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Water Resources Data for Arkansas

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-80-1

WATER YEAR 1980

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

CALENDAR FOR WATER YEAR 1980

1979

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Water Resources Data for Arkansas

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-80-1

WATER YEAR 1980

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

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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

1981

PREFACE

This report was prepared by personnel of the Arkansas district of the Water Resources Division of the U.S. Geological Survey under the supervision of J. H. Hubble, acting district chief, and Alfred Clebsch, Jr., regional hydrologist, Central Region. It was done in cooperation with the State of Arkansas and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, chief hydrologist, U.S. Geological Survey, and R. J. Dingman, assistant chief hydrologist of Scientific Publications and Data Management.

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Water resources data for the 1980 water year for Arkansas consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 60 gaging stations; stage and contents for four lakes and reservoirs; water quality for 152 stations, 69 partial-record flow stations, eight lakes; and water levels for 79 observation wells. Also included are 116 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

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WATER RESOURCES DATA FOR ARKANSAS, 1980

INTRODUCTION

Water resources data for the 1980 water year for Arkansas consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels of wells. This report contains discharge records for 60 gaging stations, stage and contents for four lakes and reservoirs; water quality for 152 gaging stations, 69 partial-record stations, and eight lakes; and water levels for 79 observation wells. Also included are data for 116 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

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

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjuction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report AR-80-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

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

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

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

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

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

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

The following organizations aided in collecting records:

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

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Streamflow and rainfall were below normal in the 1980 water year for most of the State. Consequently, there were no outstanding floods during the year.

The drought experienced in the State during the period June through August was the worst in about 25 years. Record low rainfall was recorded in many areas of the State. The city of Jonesboro, in the northeastern part of the State, recorded 1.10 inches of rainfall during the period June through August. The drought was not broken until September 24 when the entire State was covered by heavy rains.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of northern Arkansas, was 47 percent of median for the year, being normal for six months and deficient for six months.

Runoff at the index station on the Saline River near Rye, which is representative of southern Arkansas, was 127 percent of median for the year, being excessive for four months, normal for six months, and deficient for two months.

Even though the summer of 1980 was one of the driest on record, only at one regular gaging station, Saline River near Sheridan, was there a new record one-day low flow established. Flow for August and September was about 30 percent of median for the Buffalo River near St. Joe, and flow for July was 37 percent of the median at Saline River near Rye.

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

The water table in the deposits of Quaternary Age slopes southward from an altitude of about 280 feet National Geodetic Vertical Datum in the northeastern part of the State, to about 100 feet in the southeastern part. The normal slope of the water table is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression, trending northwestward to southeastward through the area. Water levels are as much as 115 feet below land surface in places in Arkansas County. Water levels in the alluvium west of Crowley's Ridge in Poinsett and Cross Counties are as much as 103 feet below land surface.

Water levels in the Sparta Sand of Tertiary age declined about ten feet in the Grand Prairie, and as much as 5 feet in the El Dorado, Magnolia, and Pine Bluff areas, owing to withdrawals for rice irrigation and industrial use. Elsewhere in the State, water levels in the Sparta Sand declined an average of nearly 3 feet from the previous year. Large withdrawals of water at El Dorado, Magnolia, and Pine Bluff for municipal and industrial uses are responsible for the large water level declines in those areas. Water levels in the deepest parts of the cones of depression at El Dorado and Magnolia are at an altitude of 164 and 30 feet below mean sea level, respectively. Water levels are more than 400 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of about 60 feet below mean sea level or approximately 265 feet below land surface.

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 cholophyll and lacking roots, stems, and leaves.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter my be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 on the following page. 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	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*.....	0.11119	Iodide (I^{-1}).....	0.00788
Ammonia as NH_4^{-1}	.05544	Iron (Fe^{+3})*.....	.05372
Barium (Ba^{+2}).....	.01456	Lead (Pb^{+2})*.....	.00965
Bicarbonate (HCO_3^{-1}).....	.01639	Lithium (Li^{+1})*.....	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2}).....	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.....	.03640
Carbonate (CO_3^{-2}).....	.03333	Nickel (Ni^{+2})*.....	.03406
Chloride (Cl^{-1}).....	.02821	Nitrate (NO_3^{-1}).....	.01613
Chromium (Cr^{+6})*.....	.11539	Nitrite (NO_2^{-1}).....	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).....	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1}).....	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Flouride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.....	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2}).....	.02082
Hydroxide (OH^{-1}).....	.05880	Zinc (Zn^{+2})*.....	.03060

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

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

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

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

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

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

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

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

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

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

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

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

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picurie yields 2.22 dpm (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 are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

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

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

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

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

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

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because of 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 (Rose, 1966). There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

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

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

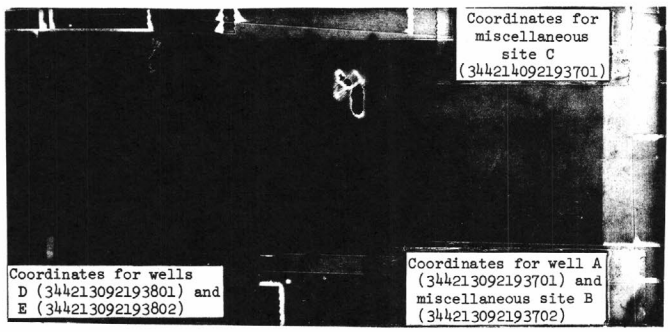
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream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

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

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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



SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

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

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

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

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

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

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

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

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

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

Previously published streamflow records of some stations have been found to be in error on the basis of 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 which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

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

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

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

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

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

Accuracy of Field Data and Computed Results

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

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

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

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

Other Data Available

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

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

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

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

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

810	Corps of Engineers, U.S. Army
9827	Arkansas Department of Pollution Control and Ecology
1028	U.S. Geological Survey

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 a following page.

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 accurate rate 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 Temperatures

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

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

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

[Temperature reported to nearest 0.5°C]

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

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

Sediment

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

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

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

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

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

[All values calculated to 3 significant figures]

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

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

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

Data are included for 79 wells in Arkansas (fig. 5). Ten 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; hence, the method of measurement 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). International System equivalents follow the English System numerical values in the well description.

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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

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

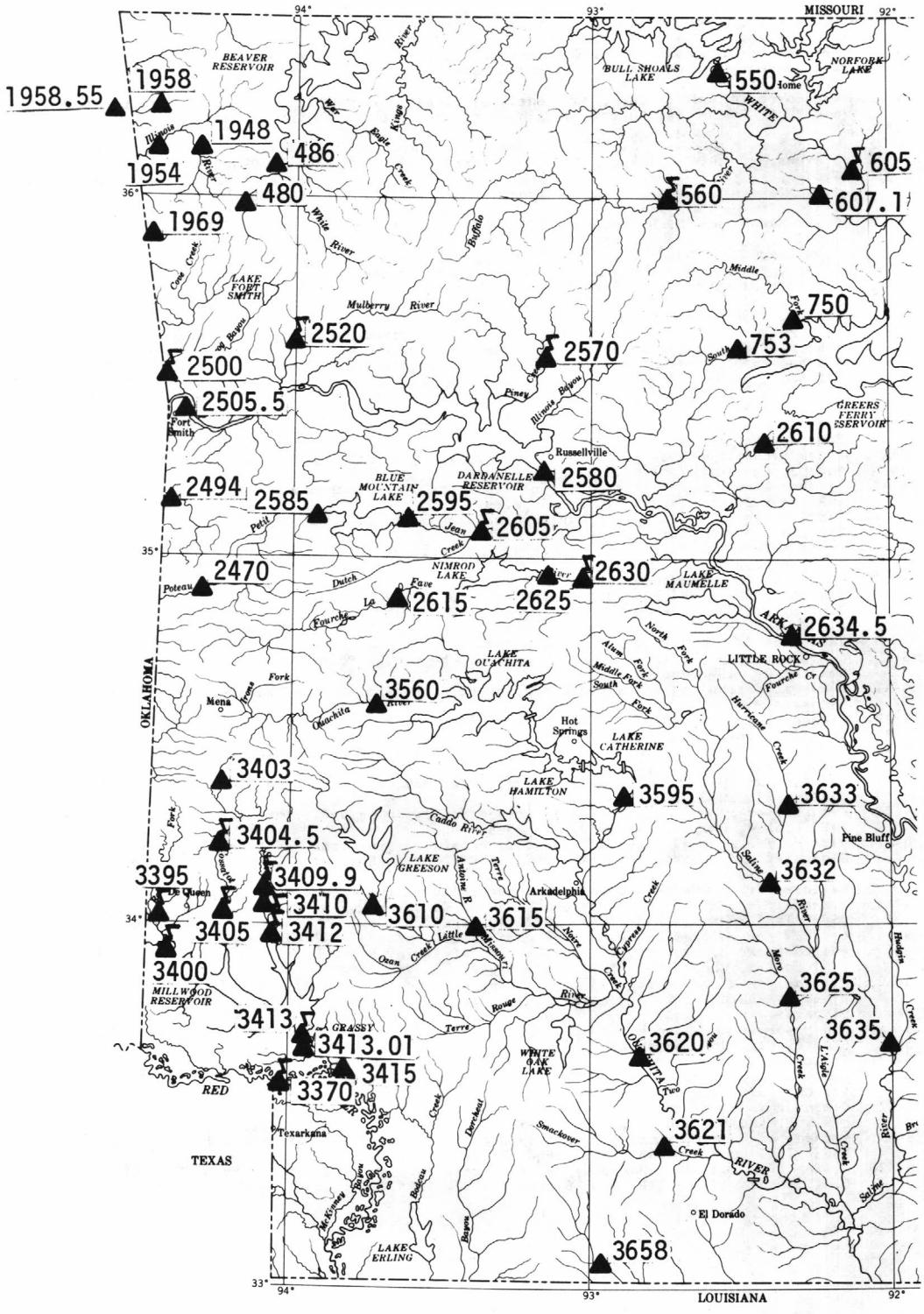


Figure 1.--Locations of continuous-record gaging stations in western Arkansas.

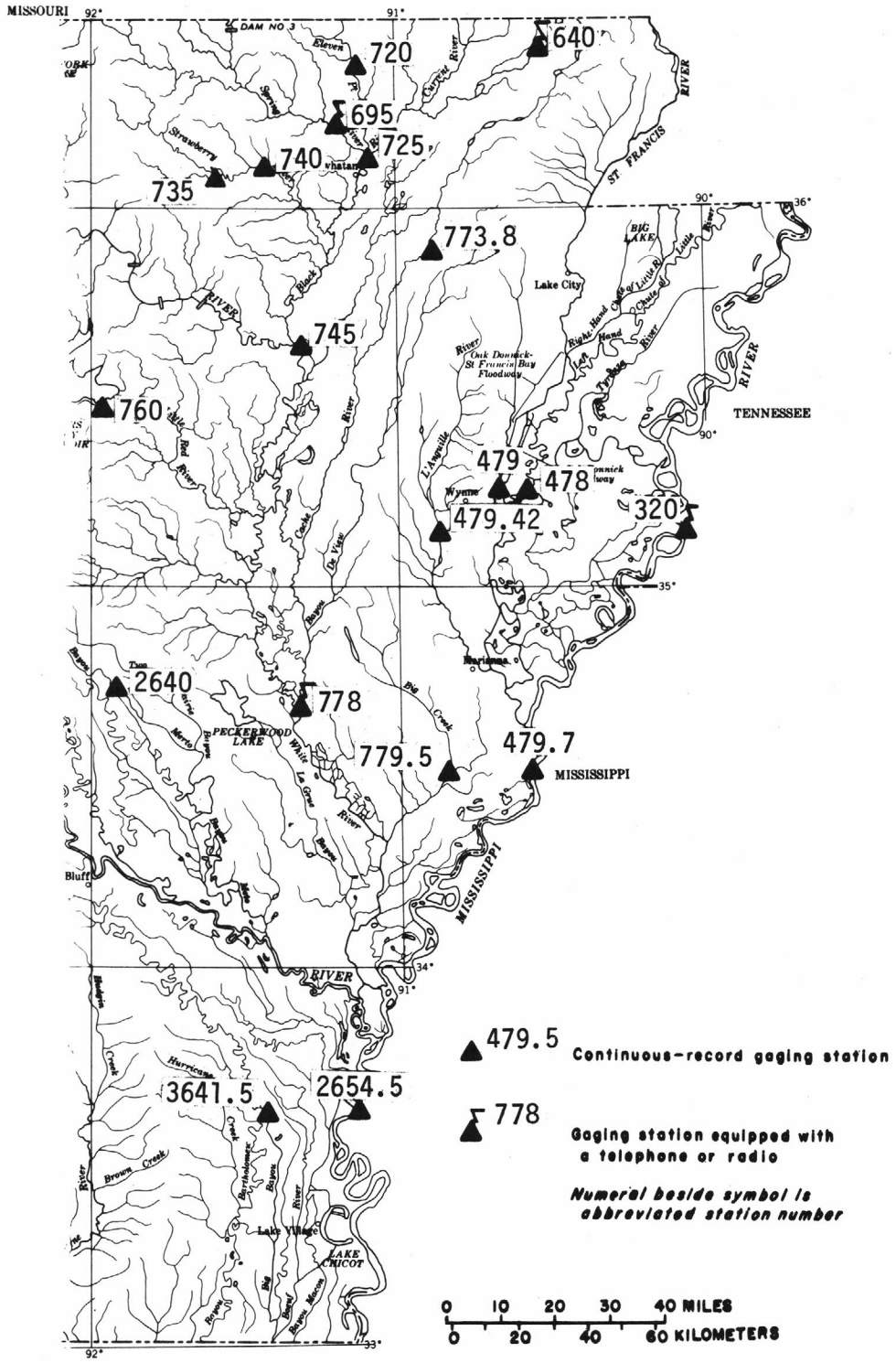


Figure 2.--Locations of continuous-record gaging stations in eastern Arkansas.

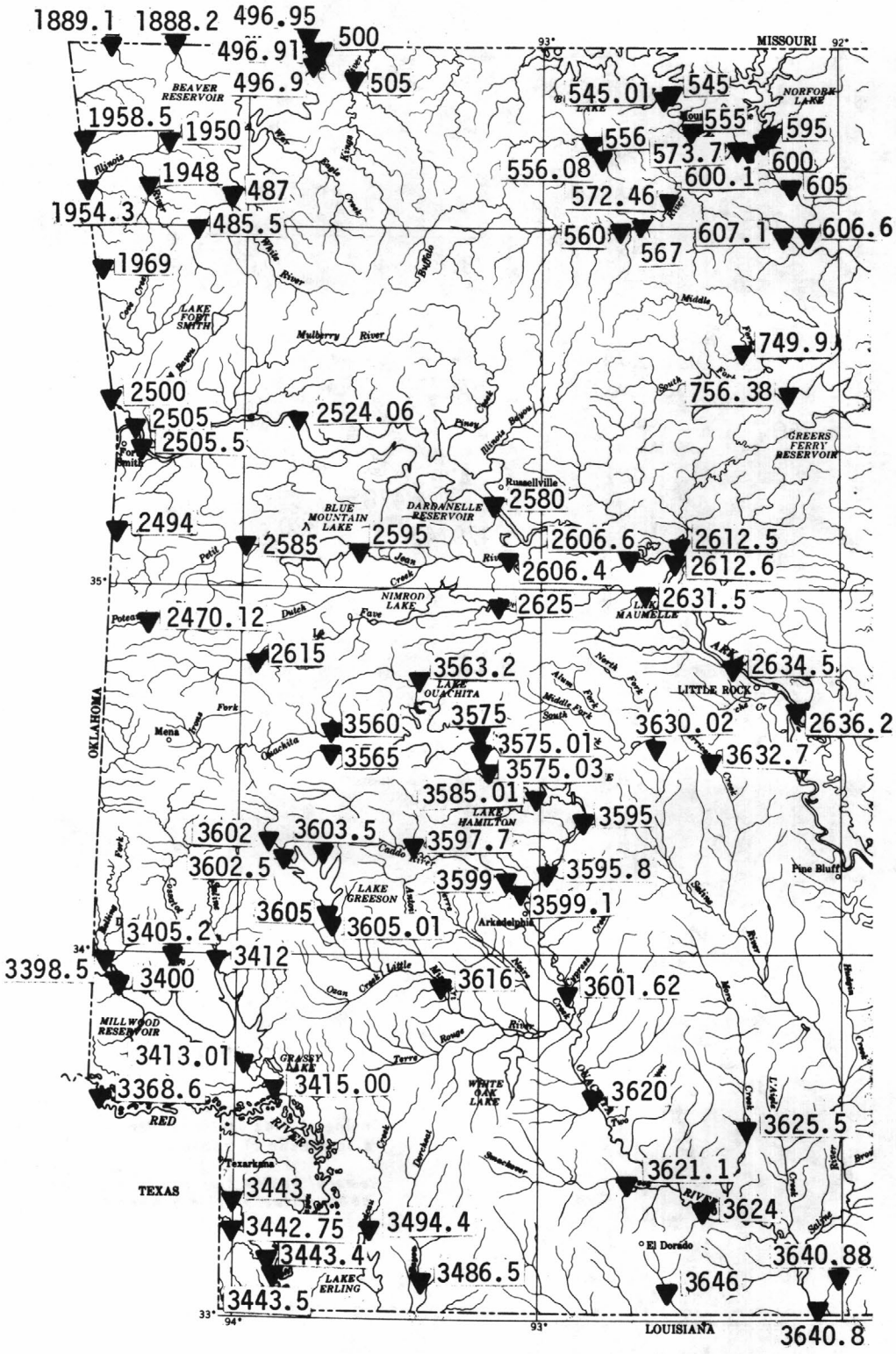


Figure 3.--Locations of water-quality stations in western Arkansas.

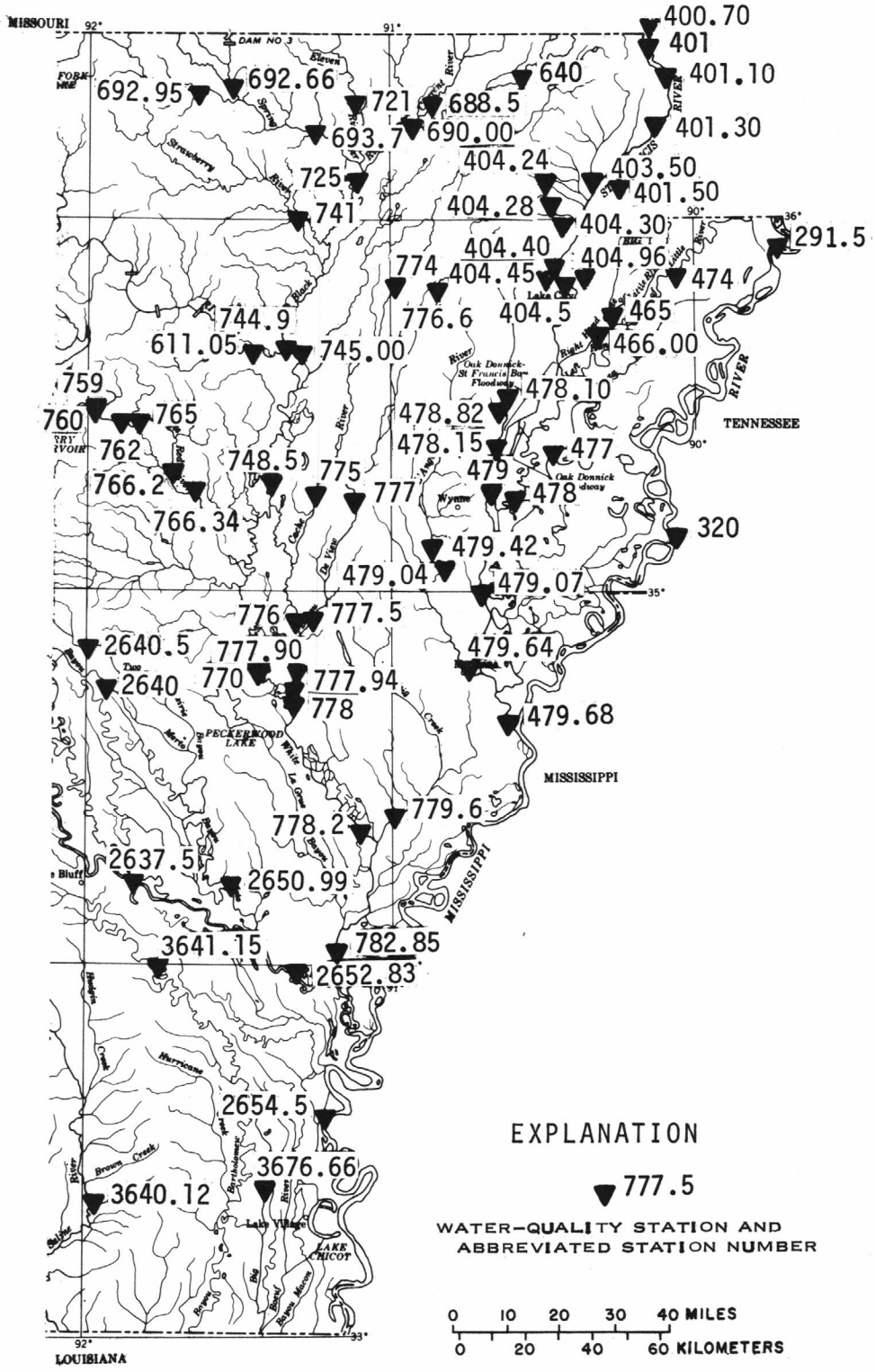


Figure 4.--Locations of water-quality stations in eastern Arkansas.

MISSISSIPPI RIVER MAIN STEM

07029150 MISSISSIPPI RIVER AT BARFIELD, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	0925	9827	9827	335	7.9	18.0	20.0	50	6.8	74	14
30...	1120	9827	9827	--	7.7	20.0	18.0	10	8.8	93	10
NOV											
20...	1500	9827	9827	--	7.8	19.0	13.0	30	10.3	97	17
JAN											
29...	1240	9827	9827	382	7.9	-3.0	4.0	20	12.2	93	13
FEB											
26...	1230	9827	9827	413	7.8	.0	5.0	20	12.6	98	13
MAR											
25...	1800	9827	9827	298	7.5	5.0	8.0	80	10.7	90	20
APR											
22...	1730	9827	9827	--	7.6	25.0	15.0	40	9.4	92	16
MAY											
20...	0600	9827	9827	427	8.0	21.0	21.0	15	9.9	110	--
JUN											
24...	0700	9827	9827	419	7.8	22.0	25.0	50	7.2	86	27
JUL											
22...	0705	9827	9827	--	8.0	26.0	29.0	40	8.3	106	8
AUG											
19...	0730	9827	9827	429	--	30.0	29.0	10	7.8	100	12
SEP											
16...	0730	9827	9827	405	--	25.0	26.0	15	7.2	82	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	0925	.9	370	140	36	11	13	4.0	100	15	50
30...	1120	1.4	230	--	--	--	--	--	--	15	89
NOV											
20...	1500	1.7	200	--	--	--	--	--	--	16	53
JAN											
29...	1240	<.5	40	--	39	13	15	3.0	110	18	63
FEB											
26...	1230	3.6	<13	--	--	--	--	--	--	22	64
MAR											
25...	1800	3.9	--	--	--	--	--	--	--	18	39
APR											
22...	1730	3.4	92	160	41	13	13	4.0	96	17	47
MAY											
20...	0600	6.1	<4	--	--	--	--	--	--	21	67
JUN											
24...	0700	--	60	--	--	--	--	--	--	19	58
JUL											
22...	0705	.5	--	--	46	16	1.0	3.0	120	20	71
AUG											
19...	0730	3.5	>600	--	--	--	--	--	--	24	83
SEP											
16...	0730	1.8	>600	--	--	--	--	--	--	22	57

07029150 MISSISSIPPI RIVER AT BARFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	0925	213	78	1.1	.010	.110	.40	.230	<5	<10	<5
30...	1120	270	44	.92	.010	.070	.25	--	--	--	--
NOV											
20...	1500	248	57	1.4	.020	.160	.50	.170	--	--	--
JAN											
29...	1240	244	23	1.5	.020	--	.10	.230	--	<10	<5
FEB											
26...	1230	247	13	1.2	--	.920	.50	.130	--	--	--
MAR											
25...	1800	224	164	--	--	.600	1.2	.300	--	--	--
APR											
22...	1730	237	106	1.4	.090	.050	1.5	.220	7	10	--
MAY											
20...	0600	266	38	.91	.010	.060	--	.140	--	--	--
JUN											
24...	0700	--	294	2.8	.020	.070	--	.440	--	--	--
JUL											
22...	0705	337	--	1.4	.010	.050	1.3	.380	--	<10	--
AUG											
19...	0730	--	72	.86	.010	.090	<.10	.180	--	--	--
SEP											
16...	0730	245	207	1.6	.080	--	1.1	.330	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	0925	<20	2200	10	140	80	.00	.00	.00	.00	.00
JAN											
29...	1240	<20	2500	20	180	20	--	--	--	--	--
FEB											
26...	1230	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	1730	<20	3000	<10	220	60	--	--	--	--	--
JUN											
24...	0700	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
22...	0705	<20	2900	<10	210	20	.00	.00	.00	.00	.00
AUG											
19...	0730	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	0730	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	0925	.00	.00	.00	.00	0	.00
FEB							
26...	1230	.00	.00	.00	.00	0	.00
JUN							
24...	0700	.00	.00	.00	.00	0	.00
JUL							
22...	0705	.00	.00	.00	.00	0	.00
AUG							
19...	0730	.00	.00	.00	.00	0	.00
SEP							
16...	0730	.00	.00	.00	.00	0	.00

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

WATER-QUALITY RECORDS

NOTE.--Streamflow records for the current year are not available in time for inclusion in this report. They will be published in a subsequent report.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1973 to current year.
WATER TEMPERATURES: February 1973 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 571 micromhos July 30, 1977; minimum daily, 174 micromhos Feb. 7, 1979.
WATER TEMPERATURES: Maximum daily, 31.5°C July 24, 1977; minimum daily, 0.5°C Jan. 23, 27, Feb. 3, 4, 8, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
02...	1600	1028	1028	643000	339	8.0	21.0	80	7.1	82	K710	K40
23...	1515	1028	1028	419000	405	8.0	17.5	43	8.7	94	700	<10
NOV												
19...	1600	1028	1028	531000	373	7.9	11.5	42	9.6	87	--	K150
DEC												
17...	1630	1028	1028	544000	375	8.0	5.0	50	11.6	91	400	610
JAN												
15...	1445	1028	1028	440000	349	8.0	7.0	--	11.1	94	280	430
FEB												
05...	1500	1028	1028	368000	399	8.2	3.5	6.0	12.3	92	K170	K30
APR												
22...	1350	1028	1028	988000	340	8.1	14.0	68	8.7	84	410	<10
MAY												
27...	1500	1028	1028	518000	330	8.1	22.5	26	7.7	88	K78	<10
JUN												
24...	1430	1028	1028	469000	475	7.7	26.5	40	7.3	90	1300	950
AUG												
04...	1430	1028	1028	271000	443	7.9	29.0	22	8.4	106	570	K40
18...	1630	1028	1028	305000	451	8.2	30.5	36	6.8	89	--	--
SEP												
23...	1430	1028	1028	277000	448	7.9	25.0	40	6.8	81	--	K120

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
02...	140	44	39	9.3	13	22	.5	3.1	92	55	14
23...	150	53	40	12	19	28	.7	3.5	96	76	18
NOV											
19...	150	45	40	11	15	24	.5	3.0	100	55	15
DEC											
17...	140	33	39	11	16	19	.6	2.7	110	53	14
JAN											
15...	150	45	40	11	14	17	.5	2.6	100	52	13
FEB											
05...	170	58	46	13	14	15	.5	2.4	110	55	16
APR											
22...	140	49	37	11	14	18	.5	2.6	89	51	14
MAY											
27...	140	53	36	12	16	20	.6	2.7	86	57	15
JUN											
24...	170	52	44	15	15	16	.5	3.5	120	57	18
AUG											
04...	170	45	43	14	24	24	.8	3.6	120	78	19
18...	160	65	42	14	26	25	.9	4.1	98	88	21
SEP											
23...	170	49	43	15	21	21	.7	3.5	120	67	22

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
02...	.2	5.9	194	199	.26	337000	1.1	.040	.96	1.0	.05
23...	.2	6.2	221	237	.30	250000	1.2	.030	1.7	1.7	.79
NOV											
19...	.2	6.0	233	212	.32	334000	1.4	.050	.82	.87	.08
DEC											
17...	.2	7.1	205	217	.28	301000	1.6	.070	1.4	1.5	.30
JAN											
15...	.2	7.3	219	207	.30	260000	1.5	.120	1.5	1.6	.00
FEB											
05...	.1	7.3	223	227	.30	222000	1.5	.040	.53	.57	.11
APR											
22...	.2	6.7	214	198	.29	571000	1.7	.050	1.6	1.6	1.2
MAY											
27...	.2	.3	213	198	.29	298000	.96	.020	1.3	1.3	.68
JUN											
24...	.3	7.5	241	245	.33	305000	3.0	.070	1.5	1.6	.87
AUG											
04...	.3	1.5	267	259	.36	195000	.70	.000	1.6	1.6	.91
18...	.3	2.8	269	262	.37	222000	.96	.010	.90	.91	.44
SEP											
23...	.3	7.7	278	258	.38	208000	1.5	.020	1.1	1.1	.34

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
02...	.95	2.1	9.3	.340	.370	8.3	--	--	208	361000	97
23...	.91	2.9	13	.210	.090	--	4.0	.1	108	122000	89
NOV											
19...	.79	2.3	10	.170	.080	14	--	--	114	163000	76
DEC											
17...	1.2	3.1	14	.210	.070	--	3.7	1.5	102	150000	89
JAN											
15...	1.6	3.1	14	.230	.160	7.7	--	--	134	159000	66
FEB											
05...	.46	2.1	9.2	.150	.070	8.9	--	--	38	37800	97
APR											
22...	.41	3.3	15	.240	.080	--	5.3	1.6	159	424000	89
MAY											
27...	.62	2.3	10	.170	.070	5.5	--	--	89	124000	84
JUN											
24...	.73	4.6	20	.390	.100	13	--	--	--	--	--
AUG											
04...	.69	2.3	10	.150	.060	6.6	--	--	91	66600	85
18...	.47	1.9	8.3	.180	.080	7.8	--	--	167	138000	50
SEP											
23...	.76	2.6	12	.250	.150	7.0	--	--	116	86800	11

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
23...	1515	2	1	200	200	50	2	1	<1	8
DEC										
17...	1630	1	1	400	200	200	3	1	2	8
APR										
22...	1350	2	1	200	100	100	1	--	<1	0
AUG										
04...	1430	2	2	100	40	60	2	--	<1	0

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 23...	4	4	3	0	<3	46	34	12	3100	3100
DEC 17...	8	0	0	0	<3	100	92	8	2100	2100
APR 22...	0	0	2	--	<3	10	0	10	4400	4300
AUG 04...	0	0	4	--	<3	8	4	4	1500	--

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 23...	10	11	11	0	270	270	3	.1	.1	.0
DEC 17...	50	15	15	0	160	150	6	.0	.0	.0
APR 22...	70	10	10	0	220	210	7	.0	.0	.0
AUG 04...	<10	6	6	0	130	130	3	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 23...	0	0	0	0	0	0	40	30	10
NOV 19...	--	--	--	0	--	--	--	--	--
DEC 17...	0	0	0	0	0	0	80	0	80
JAN 15...	--	--	--	0	--	--	--	--	--
APR 22...	1	1	0	4	4	0	130	100	30
MAY 27...	--	--	--	0	--	--	--	--	--
AUG 04...	1	0	1	0	0	0	30	20	10
SEP 23...	--	--	--	0	--	--	--	--	--

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)
NOV 19...	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 05...	1500	ND	ND	ND	ND	ND	ND	--	ND	ND	--	ND

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	PARATHION, TOTAL (UG/L) (39540)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
NOV 19...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 05...	ND	ND	--	ND	--	--	--	ND	--	--	--	--

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379	381	383	---	---	---	---	---	---		---	389
2	379	383	383	---	---	---	---	---	---		---	401
3	379	---	383	---	---	---	---	---	---		---	403
4	379	382	383	---	---	---	---	---	---		441	411
5	379	377	382	---	399	---	---	---	---		428	422
6	379	371	382	---	---	---	---	---	---		419	430
7	378	368	383	---	---	---	---	---	---		423	435
8	378	381	387	---	---	---	---	---	---		408	437
9	379	382	385	---	---	---	---	---	---		416	428
10	378	382	384	---	---	---	---	---	---		422	430
11	380	384	382	---	---	---	---	---	---		420	442
12	379	381	382	---	---	293	---	---	---		420	431
13	379	382	383	---	---	293	---	---	---		443	398
14	379	381	383	---	---	294	---	---	---		456	379
15	379	384	381	349	---	294	---	---	---		470	378
16	381	382	383	---	---	293	---	---	---		483	380
17	380	383	382	---	---	293	---	---	---		482	387
18	381	383	382	---	---	---	---	---	---		464	394
19	380	382	384	---	---	293	---	---	---		453	413
20	380	384	382	---	---	294	---	---	---		437	432
21	380	382	384	---	---	294	---	---	---		437	430
22	380	383	384	---	---	294	340	---	---		432	424
23	380	384	383	---	---	294	---	---	---		446	437
24	380	383	382	---	---	293	---	---	475		455	437
25	379	383	382	---	---	293	---	---	---		448	426
26	381	384	384	---	---	293	---	---	---		430	425
27	381	384	383	---	---	293	---	330	---		411	409
28	381	382	384	---	---	293	---	---	---		406	409
29	381	382	384	---	---	293	---	---	---		407	414
30	381	384	384	---	---	293	---	---	---		400	414
31	382	---	385	---	---	292	---	---	---		393	---
MEAN	380	382	383	349	399	293	340	330	475		434	415

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	21.0	19.0	---	---	---	---	---	---		---	28.0
2	22.5	21.0	18.5	---	---	---	---	---	---		---	28.0
3	22.5	20.0	19.5	---	---	---	---	---	---		---	28.0
4	22.5	20.0	18.0	---	---	---	---	---	---		30.0	28.0
5	22.5	20.0	18.5	---	3.5	---	---	---	---		30.0	28.0
6	22.5	20.0	18.0	---	---	---	---	---	---		30.0	28.0
7	22.5	20.0	18.0	---	---	---	---	---	---		30.0	28.0
8	22.0	20.0	18.0	---	---	---	---	---	---		30.0	28.0
9	22.0	20.0	---	---	---	---	---	---	---		30.0	28.0
10	22.0	20.0	18.0	---	---	---	---	---	---		30.0	28.0
11	22.0	20.0	18.0	---	---	---	---	---	---		30.0	28.0
12	22.0	20.0	---	---	---	11.0	---	---	---		30.0	28.0
13	22.0	20.0	18.0	---	---	11.0	---	---	---		30.0	28.0
14	22.0	20.0	17.5	---	---	11.5	---	---	---		30.0	28.0
15	22.0	20.0	17.5	7.0	---	11.0	---	---	---		30.0	28.0
16	22.0	20.0	17.5	---	---	11.0	---	---	---		30.0	27.0
17	21.5	20.0	17.5	---	---	11.0	---	---	---		30.0	27.0
18	21.5	20.0	17.5	---	---	---	---	---	---		30.0	27.0
19	21.5	19.5	17.5	---	---	11.5	---	---	---		30.0	27.0
20	21.5	19.0	17.5	---	---	12.5	---	---	---		30.0	28.0
21	21.5	19.0	18.0	---	---	11.5	---	---	---		28.0	28.0
22	21.0	19.5	17.5	---	---	11.0	14.0	---	---		28.0	25.0
23	21.0	19.0	18.0	---	---	12.0	---	---	---		28.0	27.0
24	21.0	19.5	17.5	---	---	11.0	---	---	26.5		28.0	25.0
25	21.0	19.0	16.0	---	---	11.0	---	---	---		28.0	25.0
26	21.0	19.5	17.5	---	---	12.0	---	---	---		28.0	25.0
27	21.0	---	17.0	---	---	12.5	---	22.5	---		28.0	25.0
28	21.0	19.0	17.0	---	---	12.0	---	---	---		28.0	25.0
29	21.0	19.0	17.0	---	---	12.5	---	---	---		28.0	22.0
30	21.0	19.0	17.0	---	---	12.5	---	---	---		28.0	20.0
31	21.0	---	17.0	---	---	12.5	---	---	---		27.0	---
MEAN	21.5	20.0	17.5	7.0	3.5	11.5	14.0	22.5	26.5		29.0	27.0

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 19,79		FEB 5,80		MAY 27,80		JUN 24.80	
TIME	1600		1500		1500		1430	
TOTAL CELLS/ML	4800		5600		9900		1300	
DIVERSITY: DIVISION	1.5		0.6		1.6		1.4	
.CLASS	1.5		0.6		1.6		1.4	
..ORDER	1.8		1.1		1.8		1.8	
...FAMILY	2.2		1.2		2.3		2.0	
....GENUS	3.2		1.5		3.3		2.3	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHLOROCOCCACEAE								
....CHLOROCOCCUM	*	0	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	400	4	140	11
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	50	1	--	-
...MICRACTINIUM	--	-	--	-	200	2	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	270	6	280	5	100	1	--	-
....CHODATELLA	--	-	--	-	200	2	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	400	4	--	-
....KIRCHNERIELLA	130	3	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	--	-	13	1
....SELENASTRUM	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-
....WESTELLA	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	400	4	--	-
....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	540	11	280	5	650	7	26	2
....TETRASTRUM	--	-	--	-	800	8	--	-
..TETRASPORALES								
...PALMELLACEAE								
....SPHAEROCYSTIS	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	150	2	--	-
...PHACOTACEAE								
....PTEROMONAS	--	-	47	1	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
....SKELETONEMA	460	9	--	-	--	-	--	-
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	--	-	--	-	--	-
....CYCLOTELLA	580	12	--	-	2900#	29	180	13
....MELOSIRA	1300#	26	280	5	1500#	15	230#	17
....STEPHANODISCUS	--	-	4100#	73	300	3	--	-
..PENNALES								
...DIATOMACEAE								
....DIATOMA	*	0	--	-	--	-	--	-
...FRAGILARIACEAE								
....ASTERIONELLA	84	2	470	8	--	-	--	-
....SYNEDRA	42	1	--	-	--	-	13	1
...NAVICULACEAE								
....GYROSIGMA	--	-	--	-	--	-	--	-
....NAVICULA	--	-	47	1	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	100	2	47	1	100	1	--	-
...SURIRELLACEAE								
....SURIRELLA	*	0	--	-	--	-	--	-
...TABELLARIACEAE								
....TABELLARIA	--	-	--	-	--	-	39	3
.CHRYSOPHYCEAE								
..CHRYSOMONADALES								
...OCHROMONADACEAE								
....OCHROMONAS	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	50	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	NOV 19,79 1600		FEB 5,80 1500		MAY 27,80 1500		JUN 24 80 1430	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	--	-	--	-	100	1	630#	47
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	63	1	--	-	--	-	64	5
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	750#	16	--	-	1500#	15	--	-
....SCHIZOTHRIX	400	8	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	42	1	--	-	50	1	--	-
....TRACHELOMONAS	42	1	--	-	50	1	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	47	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07032000 MISSISSIPPI RIVER AT MEMPHIS TN--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	AUG 4,80		AUG 18,80		SEP 23,80	
TIME	1430		1630		1430	
TOTAL CELLS/ML	47000		30000		15000	
DIVERSITY: DIVISION	1.6		1.3		1.2	
.CLASS	1.6		1.3		1.2	
..ORDER	2.5		1.6		1.8	
...FAMILY	2.6		1.7		2.2	
....GENUS	3.2		2.1		2.7	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHLOROCOCCACEAE						
....CHLOROCOCCUM	--	-	--	-	--	-
...COELASTRACEAE						
....COELASTRUM	--	-	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	530	2	--	-
...MICRACTINIACEAE						
....GOLENKINIA	--	-	--	-	--	-
....MICRACTINIUM	--	-	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	300	1	--	-	--	-
....CHODATELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	--	-	*	0
....DICTYOSPHAERIUM	1800	4	1300	5	120	1
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	890	2	--	-	80	1
....SELENASTRUM	450	1	--	-	--	-
....TETRAEDRON	--	-	*	0	*	0
....WESTELLA	1800	4	--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	860	6
....SCENEDESMUS	1500	3	400	1	880	6
....TETRASTRUM	--	-	--	-	--	-
..TETRASPORALES						
...PALMELLACEAE						
....SPHAEROCYSTIS	4800	10	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	300	1	*	0	120	1
...PHACOTACEAE						
....PTEROMONAS	--	-	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	1200	3	530	2	--	-
....CYCLOTELLA	2800	6	2500	8	520	3
....MELOSIRA	4500	10	5700#	19	1300	9
....SKELETONEMA	--	-	--	-	--	-
....STEPHANODISCUS	--	-	330	1	--	-
..PENNALES						
...DIATOMACEAE						
....DIATOMA	--	-	--	-	--	-
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	--	-	--	-
....SYNEDRA	--	-	*	0	*	0
...NAVICULACEAE						
....GYROSIGMA	--	-	*	0	--	-
....NAVICULA	--	-	*	0	--	-
...NITZSCHIACEAE						
....NITZSCHIA	7500#	16	670	2	100	1
...SURIRELLACEAE						
....SURIRELLA	--	-	--	-	--	-
...TABELLARIACEAE						
....TABELLARIA	--	-	--	-	--	-
.CHRYSOPHYCEAE						
..CHRYSOMONADALES						
...OCHROMONADACEAE						
....OCHROMONAS	--	-	--	-	*	0
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	*	0
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	AUG 4,80 1430		AUG 18,80 1630		SEP 23,80 1430	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	2400	5	--	-	--	-
....ANACYSTIS	1500	3	330	1	2200	14
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	--	-	520	3
....ANABAENOPSIS	--	-	--	-	520	3
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	880	6
....OSCILLATORIA	15000#	32	17000#	56	7000#	46
....SCHIZOTHRIX	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	*	0	--	-
....TRACHELOMONAS	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PERIPHYTON

DATE	LENGTH OF EXPOSURE (DAYS) (00022)	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70958)
AUG 18...	14	78.3	69.5	24.0	.000

07040000 ST. FRANCIS RIVER AT FISK, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 25...	0900	1028	1028	--	--	--	--	--	--	--
NOV 20...	0930	1028	1028	303	204	7.7	11.0	.76	8.6	36
DEC 19...	1430	1028	1028	2060	230	8.1	3.0	.53	--	28
JAN 25...	0830	1028	1028	608	190	7.5	5.0	.69	10.6	18
FEB 19...	1345	1028	1028	2650	210	6.8	2.5	.61	11.7	48
MAR 20...	0900	1028	1028	1270	188	8.1	9.0	.82	11.4	26
APR 23...	1430	1028	1028	1780	153	8.1	19.0	.98	9.4	31
MAY 21...	1330	1028	1028	1140	180	8.0	23.0	.61	8.9	43
JUN 18...	1400	1028	1028	114	241	8.0	25.0	.61	8.2	38
JUL 30...	1330	1028	1028	121	212	8.0	30.0	.46	7.4	45
AUG 21...	1000	1028	1028	46	248	8.2	29.0	.21	6.1	41
SEP 17...	0800	1028	1028	100	241	8.1	23.5	.37	6.5	60

DATE	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 25...	--	--	--	--	--	--	--	--	--	--
NOV 20...	29	74	83	96	100	16	25	62	98	100
DEC 19...	156	84	90	95	100	18	35	92	100	--
JAN 25...	30	88	95	99	100	35	63	99	100	--
FEB 19...	343	75	87	98	100	--	--	--	--	--
MAR 20...	89	94	96	99	100	3	7	88	99	100
APR 23...	149	91	95	99	100	2	6	64	99	100
MAY 21...	132	86	93	98	100	41	60	98	100	--
JUN 18...	12	98	98	99	100	26	39	96	100	--
JUL 30...	15	87	98	100	--	16	52	99	100	--
AUG 21...	5.1	89	94	98	100	6	11	61	93	100
SEP 17...	16	91	98	99	100	13	26	95	99	100

07040057 ST. FRANCIS RIVER NEAR POWE, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT								
25...	77	90	100	4	5	40	98	100
NOV								
20...	41	85	100	5	5	28	92	100
DEC								
20...	89	98	100	--	--	--	--	--
JAN								
25...	96	99	100	2	3	53	96	100
FEB								
20...	61	82	100	--	--	--	--	--
MAR								
19...	94	99	100	2	3	49	98	100
APR								
23...	69	96	100	0	0	48	97	100
MAY								
21...	80	95	100	2	2	62	98	100
JUN								
18...	97	99	100	10	13	36	94	100
JUL								
30...	98	100	--	2	2	36	95	100
AUG								
20...	96	100	--	1	2	34	96	100
SEP								
17...	53	66	100	4	5	35	95	100

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT 24...	1530	1028	1028	113	16.5	--	40	12	25
NOV 20...	1215	1028	1028	437	12.5	.76	56	66	79
DEC 19...	1100	1028	1028	1800	3.0	.30	171	831	55
JAN 24...	1330	1028	1028	468	5.0	.34	57	72	88
FEB 20...	0945	1028	1028	3410	3.0	.30	241	2220	85
MAR 20...	1130	1028	1028	1630	10.0	.40	133	585	74
APR 23...	1100	1028	1028	2230	19.0	.70	172	1040	41
MAY 21...	1100	1028	1028	1200	23.0	.46	362	1170	24
JUN 18...	1100	1028	1028	166	22.0	.30	41	18	83
JUL 30...	1030	1028	1028	205	29.0	.30	38	21	94
AUG 20...	1445	1028	1028	104	33.0	.15	39	11	87
SEP 17...	1000	1028	1028	123	21.0	.30	61	20	97

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 24...	27	69	100	--	4	8	76	99	100
NOV 20...	83	94	100	--	1	2	72	99	100
DEC 19...	62	98	100	--	1	2	88	100	--
JAN 24...	93	98	100	--	0	0	68	99	100
FEB 20...	95	99	100	--	--	--	--	--	--
MAR 20...	81	98	100	--	1	2	74	98	100
APR 23...	51	98	100	--	0	0	74	99	100
MAY 21...	25	64	99	100	3	3	77	100	--
JUN 18...	85	96	100	--	1	3	79	97	100
JUL 30...	95	100	--	--	6	6	80	99	100
AUG 20...	95	96	100	--	3	5	69	99	100
SEP 17...	98	99	100	--	2	3	74	99	100

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
24...	1345	1028	1028	110	17.0	--	242	72	14	19
NOV										
20...	1300	1028	1028	478	13.0	.46	304	392	19	34
DEC										
18...	1430	1028	1028	1640	3.0	.43	397	1760	31	41
JAN										
24...	1200	1028	1028	672	5.0	.30	190	345	26	34
FEB										
20...	1015	1028	1028	3280	3.0	.15	315	2790	70	80
MAR										
19...	1620	1028	1028	1700	10.0	.12	302	1390	65	78
APR										
23...	1030	1028	1028	2290	18.0	.64	205	1270	33	39
MAY										
21...	1000	1028	1028	1120	20.5	.46	234	708	43	47
JUN										
18...	0930	1028	1028	170	22.0	.37	67	31	70	73
JUL										
30...	1000	1028	1028	222	29.0	.25	44	26	95	98
AUG										
20...	1230	1028	1028	135	32.0	.18	70	26	88	95
SEP										
17...	1130	1028	1028	127	21.0	.40	91	31	86	89

DATE	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
24...	98	100	--	1	2	90	98	99	100
NOV									
20...	99	100	--	0	0	91	100	--	--
DEC									
18...	96	100	--	1	2	97	100	--	--
JAN									
24...	99	100	--	1	4	96	100	--	--
FEB									
20...	99	100	--	--	--	--	--	--	--
MAR									
19...	99	100	--	3	6	96	100	--	--
APR									
23...	99	100	--	0	1	94	100	--	--
MAY									
21...	98	99	100	5	6	91	98	100	--
JUN									
18...	96	100	--	2	2	90	98	100	--
JUL									
30...	100	--	--	2	3	92	99	100	--
AUG									
20...	98	100	--	12	13	71	97	100	--
SEP									
17...	97	100	--	1	1	89	99	100	--

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1423	9827	9827	197	7.8	28.0	21.0	10	8.3	92
24...	1140	1028	1028	275	7.9	--	13.0	--	9.0	--
30...	1600	9827	9827	--	7.7	22.0	18.0	5	8.8	93
NOV										
19...	1515	1028	1028	212	7.5	--	11.5	--	9.4	--
20...	1324	9827	9827	--	7.7	20.0	15.0	5	9.7	95
DEC										
19...	1030	1028	1028	223	8.0	--	3.0	--	--	--
JAN										
24...	1000	1028	1028	185	8.5	--	4.5	--	11.0	--
29...	1045	9827	9827	201	7.8	-2.0	2.0	30	12.5	90
FEB										
20...	1100	1028	1028	212	7.4	--	3.0	--	12.0	--
26...	1100	9827	9827	150	7.7	-2.0	3.0	40	12.4	92
MAR										
19...	1430	1028	1028	137	7.8	--	10.0	--	10.2	--
25...	0950	9827	9827	161	7.4	7.0	9.0	120	10.2	88
APR										
22...	1300	9827	9827	--	7.5	33.0	20.0	15	10.1	110
23...	0845	1028	1028	157	7.6	--	17.5	--	10.1	--
MAY										
20...	1630	9827	9827	182	7.8	27.0	23.0	15	9.9	114
21...	0830	1028	1028	187	8.3	--	22.0	--	8.8	--
JUN										
18...	0830	1028	1028	330	8.0	--	22.5	--	6.7	--
24...	1700	9827	9827	317	7.8	30.0	27.0	80	7.9	98
JUL										
22...	1640	9827	9827	--	8.4	33.0	29.0	30	12.7	163
30...	0900	1028	1028	322	8.0	--	28.0	--	5.8	--
AUG										
19...	1015	9827	9827	306	--	32.0	28.0	30	6.3	80
20...	1115	1028	1028	318	8.3	--	29.0	--	6.1	--
SEP										
16...	0945	9827	9827	363	--	31.0	26.0	5	7.7	94
16...	1600	1028	1028	349	8.3	--	24.5	--	7.7	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
02...	1423	2.0	160	98	21	11	4.0	2.0	100	7.0	5.5
30...	1600	2.2	36	--	--	--	--	--	--	10	7.0
NOV											
20...	1324	3.0	44	--	--	--	--	--	--	7.0	5.0
JAN											
29...	1045	1.8	12	--	17	11	3.6	2.0	85	15	5.5
FEB											
26...	1100	1.7	<20	--	--	--	--	--	--	14	5.0
MAR											
25...	0950	4.9	--	--	--	--	--	--	--	10	6.0
APR											
22...	1300	4.8	16	75	15	8.6	3.2	2.0	64	12	5.5
MAY											
20...	1630	3.8	20	--	--	--	--	--	--	12	6.0
JUN											
24...	1700	--	80	--	--	--	--	--	--	11	23
JUL											
22...	1640	9.5	290	--	41	18	23	3.0	180	9.0	5.0
AUG											
19...	1015	3.9	--	--	--	--	--	--	--	6.0	15
SEP											
16...	0945	4.1	20	--	--	--	--	--	--	4.0	27

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1423	117	64	<.01	.010	.050	.110	<5	<10	<5
30...	1600	163	30	.01	<.010	.040	--	--	<10	--
NOV										
20...	1324	123	24	.04	.010	.120	.070	--	<10	--
JAN										
29...	1045	127	14	.25	.010	--	.080	--	<10	<5
FEB										
26...	1100	108	80	.42	--	.060	.100	--	<10	--
MAR										
25...	0950	159	151	--	--	.150	.220	--	<10	--
APR										
22...	1300	114	42	.02	.010	<.010	.060	2	<10	--
MAY										
20...	1630	119	68	.02	<.010	.040	.110	--	<10	--
JUN										
24...	1700	--	158	3.0	.120	.150	.190	--	<10	--
JUL										
22...	1640	288	--	<.01	<.010	.050	.290	--	<10	--
AUG										
19...	1015	--	97	.03	.010	.100	.170	--	<10	--
SEP										
16...	0945	195	42	<.01	.070	--	.110	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1423	<20	1300	<10	290	30	.00	.00	.00	.00	.00
30...	1600	<20	790	--	810	<10	--	--	--	--	--
NOV											
20...	1324	<20	1200	--	530	20	--	--	--	--	--
JAN											
29...	1045	50	--	280	340	80	--	--	--	--	--
FEB											
26...	1100	20	2100	--	230	30	.00	.00	.00	.00	.00
MAR											
25...	0950	<20	4900	--	420	20	--	--	--	--	--
APR											
22...	1300	<20	1000	<10	140	<10	--	--	--	--	--
MAY											
20...	1630	<20	1300	--	280	10	--	--	--	--	--
JUN											
24...	1700	20	3100	--	350	40	.00	.00	.00	.00	.00
JUL											
22...	1640	20	1400	<10	360	30	.00	.00	.00	.00	.00
AUG											
19...	1015	<20	2000	--	340	20	.00	.00	.00	.00	.00
SEP											
16...	0945	<20	640	--	300	10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1423	.00	.00	.00	.00	0	.00
FEB							
26...	1100	.00	.00	.00	.00	0	.00
JUN							
24...	1700	.00	.00	.00	.00	0	.00
JUL							
22...	1640	.00	.00	.00	.00	0	.00
AUG							
19...	1015	.00	.00	.00	.00	0	.00
SEP							
16...	0945	.00	.00	.00	.00	0	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT									
02...	1423	9827	9827	--	--	--	--	--	--
24...	1140	1028	1028	113	.67	70	21	82	86
30...	1600	9827	9827	--	--	--	--	--	--
NOV									
19...	1515	1028	1028	447	.61	88	106	76	83
20...	1324	9827	9827	--	--	--	--	--	--
DEC									
19...	1030	1028	1028	1740	.30	116	545	94	96
JAN									
24...	1000	1028	1028	689	.13	100	186	93	95
29...	1045	9827	9827	--	--	--	--	--	--
FEB									
20...	1100	1028	1028	3250	.15	265	2330	82	88
26...	1100	9827	9827	--	--	--	--	--	--
MAR									
19...	1430	1028	1028	1860	.10	298	1500	98	99
25...	0950	9827	9827	--	--	--	--	--	--
APR									
22...	1300	9827	9827	--	--	--	--	--	--
23...	0845	1028	1028	2320	.40	77	482	89	96
MAY									
20...	1630	9827	9827	--	--	--	--	--	--
21...	0830	1028	1028	1230	.40	103	342	94	96
JUN									
18...	0830	1028	1028	181	.27	78	38	97	98
24...	1700	9827	9827	--	--	--	--	--	--
JUL									
22...	1640	9827	9827	--	--	--	--	--	--
30...	0900	1028	1028	251	.20	85	58	96	97
AUG									
19...	1015	9827	9827	--	--	--	--	--	--
20...	1115	1028	1028	135	.12	162	59	93	96
SEP									
16...	0945	9827	9827	--	--	--	--	--	--
16...	1600	1028	1028	106	.46	126	36	89	94

DATE	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
02...	--	--	--	--	--	--	--	--	--
24...	95	100	--	41	43	61	96	98	100
30...	--	--	--	--	--	--	--	--	--
NOV									
19...	96	100	--	83	86	94	99	100	--
20...	--	--	--	--	--	--	--	--	--
DEC									
19...	98	100	--	21	24	55	82	96	100
JAN									
24...	98	100	--	10	17	46	78	89	100
29...	--	--	--	--	--	--	--	--	--
FEB									
20...	92	97	100	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
MAR									
19...	99	100	--	69	87	98	99	100	--
25...	--	--	--	--	--	--	--	--	--
APR									
22...	--	--	--	--	--	--	--	--	--
23...	97	100	--	10	60	93	99	100	--
MAY									
20...	--	--	--	--	--	--	--	--	--
21...	98	100	--	9	21	52	94	100	--
JUN									
18...	98	100	--	44	58	74	92	99	100
24...	--	--	--	--	--	--	--	--	--
JUL									
22...	--	--	--	--	--	--	--	--	--
30...	98	100	--	26	37	65	87	98	100
AUG									
19...	--	--	--	--	--	--	--	--	--
20...	99	100	--	57	67	81	99	100	--
SEP									
16...	--	--	--	--	--	--	--	--	--
16...	99	100	--	45	53	70	98	100	--

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
24...	1030	1028	1028	114	17.0	.67	68	21	56	59
NOV										
19...	1445	1028	1028	429	12.5	.61	90	104	52	58
DEC										
19...	0930	1028	1028	1690	2.0	.33	178	812	66	70
JAN										
24...	0930	1028	1028	824	4.5	.30	102	227	76	80
FEB										
20...	1230	1028	1028	3050	3.0	.15	303	2500	66	72
MAR										
19...	1300	1028	1028	1950	10.0	.15	449	2360	84	87
APR										
22...	1500	1028	1028	2090	18.0	.40	133	751	68	70
MAY										
20...	1400	1028	1028	1170	22.0	.46	148	468	75	82
JUN										
17...	1500	1028	1028	184	23.5	.30	68	34	95	97
JUL										
29...	1530	1028	1028	315	31.0	.25	142	121	98	99
AUG										
20...	0945	1028	1028	196	28.0	.12	107	57	94	96
SEP										
16...	1445	1028	1028	108	26.5	.37	56	16	91	95

DATE	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
24...	96	100	--	0	1	56	97	100	--
NOV									
19...	93	100	--	0	0	65	98	100	--
DEC									
19...	98	100	--	1	1	28	96	100	--
JAN									
24...	97	99	100	0	0	13	82	97	100
FEB									
20...	95	100	--	--	--	--	--	--	--
MAR									
19...	99	100	--	1	1	19	84	100	--
APR									
22...	96	98	100	1	19	73	93	100	--
MAY									
20...	98	100	--	0	0	12	77	100	--
JUN									
17...	98	100	--	0	1	49	93	100	--
JUL									
29...	99	100	--	1	1	42	92	98	100
AUG									
20...	99	100	--	1	1	38	84	100	--
SEP									
16...	99	100	--	0	0	37	90	100	--

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT 23...	1445	1028	1028	196	16.5	.61	67	35	93	97	98
NOV 19...	1400	1028	1028	557	12.0	.61	109	164	51	61	86
DEC 18...	1330	1028	1028	--	--	--	--	--	--	--	--
JAN 23...	1530	1028	1028	1350	8.0	.24	78	284	86	89	97
FEB 21...	1015	1028	1028	3630	3.5	.15	293	2870	75	78	87
MAR 19...	1000	1028	1028	2710	9.0	.10	536	3920	99	99	99
APR 22...	1330	1028	1028	2570	19.5	.24	90	625	91	94	96
MAY 20...	1300	1028	1028	1250	21.5	.46	112	378	91	93	97
JUN 17...	1400	1028	1028	260	22.0	.24	68	48	96	97	99
JUL 29...	1430	1028	1028	467	32.0	.10	144	182	93	94	95
AUG 19...	1400	1028	1028	182	30.0	.10	92	45	96	98	99
SEP 16...	1230	1028	1028	104	27.0	.55	82	23	99	99	99

DATE	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
OCT 23...	100	--	10	11	63	97	100	--	--	--	--
NOV 19...	99	100	48	55	85	98	100	--	--	--	--
DEC 18...	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	100	--	1	1	2	60	97	100	--	--	--
FEB 21...	99	100	--	--	--	--	--	--	--	--	--
MAR 19...	100	--	0	0	1	45	97	100	--	--	--
APR 22...	99	100	1	1	8	69	98	100	--	--	--
MAY 20...	99	100	1	1	3	50	81	--	83	85	100
JUN 17...	100	--	1	1	2	50	97	100	--	--	--
JUL 29...	97	100	1	1	13	44	77	--	78	87	100
AUG 19...	100	--	3	3	6	89	100	--	--	--	--
SEP 16...	100	--	15	15	45	92	100	--	--	--	--

07040150 VARNEY RIVER NEAR SENATH, MO

LOCATION.--Lat 36°08'20", long 90°13'54", in NE 1/4 SE 1/4 sec.6, T.17 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, off county road 4.1 mi (6.6 km) west of Senath, Mo.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	CIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT										
23...	1300	1028	1028	41	334	8.0	16.0	--	7.4	362
NOV										
19...	1215	1028	1028	.00	338	7.7	15.5	.30	8.6	--
DEC										
18...	1200	1028	1028	.00	280	8.1	2.0	--	--	--
JAN										
23...	1400	1028	1028	.00	325	7.2	8.0	--	10.0	--
FEB										
19...	1245	1028	1028	.00	212	6.7	4.5	--	9.9	--
MAR										
18...	1500	1028	1028	--	144	7.5	12.0	--	7.3	--
APR										
22...	1300	1028	1028	.00	312	8.1	24.0	--	9.2	--
MAY										
20...	1215	1028	1028	.00	318	8.1	23.5	--	7.3	--
JUN										
17...	1245	1028	1028	43	333	7.8	22.0	--	4.8	237
JUL										
29...	1330	1028	1028	.00	329	7.8	32.0	--	8.5	--
AUG										
19...	1230	1028	1028	.00	329	8.3	32.5	--	8.0	--
SEP										
16...	1130	1028	1028	.00	318	8.4	27.5	--	9.2	--

DATE	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT									
23...	40	97	99	100	98	99	100	--	--
NOV									
19...	--	--	--	--	--	--	--	--	--
DEC									
18...	--	--	--	--	--	--	--	--	--
JAN									
23...	--	--	--	--	--	--	--	--	--
FEB									
19...	--	--	--	--	--	--	--	--	--
MAR									
18...	--	--	--	--	--	--	--	--	--
APR									
22...	--	--	--	--	--	--	--	--	--
MAY									
20...	--	--	--	--	--	--	--	--	--
JUN									
17...	28	99	99	100	66	79	94	99	100
JUL									
29...	--	--	--	--	--	--	--	--	--
AUG									
19...	--	--	--	--	--	--	--	--	--
SEP									
16...	--	--	--	--	--	--	--	--	--

07040350 BIG SLOUGH DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	CIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 12...	0830	1028	1028	.00	362	8.2	13.0	--	--	--
DEC 05...	1100	1028	1028	.00	235	8.1	5.5	--	9.0	--
JAN 09...	1600	1028	1028	.00	--	--	--	--	--	--
FEB 06...	1500	1028	1028	.00	350	8.1	5.0	--	12.2	--
MAR 18...	1200	1028	1028	1680	223	7.6	12.0	.15	7.2	572
APR 22...	1215	1028	1028	.00	312	8.1	23.0	--	10.3	--
MAY 20...	1130	1028	1028	.00	340	8.2	23.5	--	9.3	--
JUN 04...	1345	1028	1028	196	317	8.3	29.0	--	9.1	100
JUL 09...	1330	1028	1028	.00	363	8.4	33.0	--	9.4	--
AUG 06...	1330	1028	1028	.00	340	8.5	31.5	--	--	--
SEP 04...	1000	1028	1028	.00	430	8.4	26.0	--	5.8	--

DATE	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 12...	--	--	--	--	--	--	--	--	--	--
DEC 05...	--	--	--	--	--	--	--	--	--	--
JAN 09...	--	--	--	--	--	--	--	--	--	--
FEB 06...	--	--	--	--	--	--	--	--	--	--
MAR 18...	2600	99	99	99	100	95	96	99	100	--
APR 22...	--	--	--	--	--	--	--	--	--	--
MAY 20...	--	--	--	--	--	--	--	--	--	--
JUN 04...	53	98	99	99	100	66	80	96	99	100
JUL 09...	--	--	--	--	--	--	--	--	--	--
AUG 06...	--	--	--	--	--	--	--	--	--	--
SEP 04...	--	--	--	--	--	--	--	--	--	--

07040424 LOCUST CREEK DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
12...	0915	1028	1028	.00	398	8.0	13.0	--
DEC								
05...	0930	1028	1028	.00	400	7.7	7.0	8.2
JAN								
09...	1515	1028	1028	.00	270	7.8	3.0	10.0
FEB								
06...	1445	1028	1028	.00	379	8.0	6.5	10.2
MAR								
12...	1500	1028	1028	.00	339	7.8	10.0	--
APR								
09...	1145	1028	1028	.00	114	7.4	16.0	7.2
MAY								
07...	1400	1028	1028	.00	--	--	22.0	--
JUN								
04...	1200	1028	1028	.00	391	8.1	27.0	8.8
JUL								
09...	1230	1028	1028	.00	419	8.5	32.0	9.6
AUG								
06...	1130	1028	1028	.00	270	8.6	29.5	--
SEP								
03...	1600	1028	1028	.00	403	8.5	31.0	5.4

07040428 EIGHT MILE DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT											
12...	0900	1028	1028	.00	318	8.1	13.0	--	--	--	--
NOV											
08...	0930	1028	1028	9.0	313	7.8	10.0	--	8.0	141	3.4
DEC											
05...	0900	1028	1028	.00	299	7.6	6.0	--	9.9	--	--
JAN											
09...	1445	1028	1028	15	287	7.9	1.5	.76	11.8	79	3.2
FEB											
06...	1400	1028	1028	.00	360	7.7	3.0	--	14.0	--	--
MAR											
12...	1425	1028	1028	36	268	7.1	10.0	.24	--	31	3.0
APR											
09...	1130	1028	1028	91	128	7.8	15.0	.15	8.2	167	41
MAY											
07...	1315	1028	1028	17	308	7.9	24.0	.24	10.2	61	2.8
JUN											
04...	1215	1028	1028	18	278	8.3	28.5	.12	8.5	74	3.6
JUL											
09...	1200	1028	1028	.00	262	8.4	34.0	--	11.3	--	--
AUG											
06...	1120	1028	1028	.00	273	8.6	31.0	--	--	--	--
SEP											
03...	1530	1028	1028	4.5	322	8.6	32.5	.15	6.1	138	1.7

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV										
08...	44	45	55	100	--	0	0	10	94	100
JAN										
09...	49	57	80	97	100	0	0	1	87	100
MAR										
12...	37	45	64	100	--	2	2	15	98	100
APR										
09...	57	61	77	97	100	1	1	5	79	100
MAY										
07...	96	98	100	--	--	1	1	17	92	100
JUN										
04...	83	95	98	100	--	6	6	24	96	100
SEP										
03...	85	97	98	100	--	1	1	3	85	100

07040440 THOMPSON CREEK NEAR LESTER, AR

LOCATION.--Lat 35°52'11", long 90°27'43", in NE 1/4 NW 1/4 sec.9, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 135, 0.8 mi (1.3 km) south of Lester.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT								
11...	1600	1028	1028	.00	507	8.1	15.0	7.1
DEC								
06...	0900	1028	1028	.00	--	--	--	--
JAN								
09...	1400	1028	1028	.00	181	7.9	2.0	10.0
FEB								
06...	1230	1028	1028	.00	385	8.0	5.0	10.4
MAR								
12...	1330	1028	1028	.00	351	7.8	10.0	--
APR								
09...	1015	1028	1028	.00	97	7.3	14.0	6.7
MAY								
07...	1230	1028	1028	.00	--	--	19.0	--
JUN								
04...	1130	1028	1028	.00	446	7.7	24.0	4.0
JUL								
09...	1130	1028	1028	.00	465	8.2	29.5	6.4
AUG								
06...	1105	1028	1028	.00	370	8.0	29.0	--
SEP								
04...	0900	1028	1028	.00	383	8.1	29.0	5.8

07040445 BIG BAY DITCH NEAR LESTER, AR

LOCATION.--Lat 35°52'12", long 90°27'45", in NW 1/4 SW 1/4 sec.4, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 135, 0.8 mi (1.3 km) south of Lester.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT										
11...	1605	1028	1028	.00	480	7.9	16.0	--	6.7	--
DEC										
06...	0915	1028	1028	.00	--	--	--	--	--	--
JAN										
09...	1415	1028	1028	.00	332	7.5	2.0	--	10.2	--
FEB										
06...	1245	1028	1028	.00	508	8.0	6.0	--	11.0	--
MAR										
12...	1400	1028	1028	.00	445	7.9	10.0	--	--	--
APR										
09...	1030	1028	1028	.00	91	7.5	15.0	--	6.2	--
MAY										
07...	1300	1028	1028	.00	--	--	19.0	--	--	--
JUN										
04...	1115	1028	1028	1.0	482	8.1	25.5	.12	7.0	145
JUL										
09...	1145	1028	1028	7.4	341	8.4	28.0	.24	6.5	151
AUG										
06...	1115	1028	1028	.00	371	7.8	29.5	--	--	--
SEP										
04...	0900	1028	1028	.00	432	8.3	29.0	--	5.6	--

DATE	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
JUN										
04...	.39	80	96	99	100	23	28	63	95	100
JUL										
09...	3.0	93	96	98	100	58	70	88	99	100

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1140	9827	9827	280	7.9	24.0	22.0	15	7.6	86	11
12...	1000	1028	1028	304	8.1	--	16.0	--	--	--	--
30...	1344	9827	9827	--	7.8	24.5	19.0	10	8.1	86	9
NOV											
08...	1200	1028	1028	331	8.0	--	10.0	--	8.6	--	--
20...	1722	9827	9827	--	7.8	18.0	15.0	15	9.4	92	7
DEC											
06...	1100	1028	1028	200	7.7	--	5.0	--	9.9	--	--
JAN											
09...	1315	1028	1028	170	7.8	--	.5	--	10.8	--	--
29...	1445	9827	9827	248	7.8	.0	2.0	50	12.2	88	11
FEB											
07...	0900	1028	1028	248	8.0	--	1.5	--	12.6	--	--
26...	1445	9827	9827	182	7.6	4.0	6.0	60	11.7	94	14
MAR											
12...	1000	1028	1028	201	7.8	--	9.5	--	--	--	--
25...	1505	9827	9827	163	7.4	8.0	10.0	150	8.8	79	20
APR											
09...	1300	1028	1028	144	7.6	--	16.0	--	6.6	--	--
09...	1330	1028	1028	--	--	--	16.0	--	--	--	--
22...	0700	9827	9827	--	7.5	24.0	21.0	60	11.6	129	18
MAY											
08...	1030	1028	1028	274	7.9	--	19.5	--	6.3	--	--
20...	0815	9827	9827	286	7.9	27.0	22.0	20	7.3	83	--
JUN											
05...	1015	1028	1028	284	8.0	--	27.0	--	6.4	--	--
24...	0930	9827	9827	317	7.7	24.0	26.0	50	6.5	79	19
JUL											
10...	0930	1028	1028	348	8.5	--	31.0	--	4.9	--	--
22...	0925	9827	9827	--	8.0	27.0	29.0	30	6.4	82	10
AUG											
07...	0945	1028	1028	317	8.2	--	29.0	--	--	--	--
19...	1615	9827	9827	251	--	38.0	32.0	60	7.1	96	13
SEP											
03...	1330	1028	1028	388	8.2	--	29.0	--	5.8	--	--
16...	0530	9827	9827	385	--	21.0	25.0	10	6.7	80	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
02...	1140	2.4	120	130	33	11	8.2	3.0	140	8.0	11
30...	1344	.5	92	--	--	--	--	--	--	12	8.5
NOV											
20...	1722	1.6	20	--	--	--	--	--	--	7.0	6.5
JAN											
29...	1445	1.7	8	--	24	10	5.5	2.0	110	15	7.0
FEB											
26...	1445	2.2	<13	--	--	--	--	--	--	13	6.0
MAR											
25...	1505	3.0	110	--	--	--	--	--	--	10	7.0
APR											
22...	0700	2.1	24	85	19	7.8	4.1	2.0	72	11	5.5
MAY											
20...	0815	3.7	--	--	--	--	--	--	--	10	7.0
JUN											
24...	0930	--	50	--	--	--	--	--	--	9.0	12
JUL											
22...	0925	3.3	260	--	44	14	14	2.0	180	11	19
AUG											
19...	1615	5.5	--	--	--	--	--	--	--	8.0	9.5
SEP											
16...	0530	5.1	--	--	--	--	--	--	--	5.0	24

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1140	184	68	.01	.010	.070	--	.150	<5	<10	<5
30...	1344	192	33	.14	.020	.060	.24	--	--	<10	--
NOV											
20...	1722	157	32	.01	.010	.110	--	.110	--	--	--
JAN											
29...	1445	164	12	.14	.010	--	<.10	.090	--	<10	<5
FEB											
26...	1445	142	29	.29	--	.040	.40	.090	--	--	--
MAR											
25...	1505	228	79	--	--	.480	.40	.250	--	--	--
APR											
22...	0700	140	54	<.01	.040	.070	2.0	.120	4	<10	--
MAY											
20...	0815	178	90	<.01	.010	.040	--	.250	--	--	--
JUN											
24...	0930	--	122	.13	.020	.130	--	.390	--	<10	--
JUL											
22...	0925	314	--	.05	.010	.120	1.3	.600	--	<10	--
AUG											
19...	1615	--	100	.22	.050	.090	1.7	.270	--	--	--
SEP											
16...	0530	216	97	.01	.080	--	1.0	.260	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1140	<20	860	<10	230	20	.00	.00	.00	.00	.00
JAN											
29...	1445	<20	1100	<10	180	<10	--	--	--	--	--
FEB											
26...	1445	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	0700	<20	2200	<10	210	<10	--	--	--	--	--
JUN											
24...	0930	<20	3900	--	540	20	.00	.00	.00	.00	.00
JUL											
22...	0925	<20	1700	<10	350	<10	--	--	--	--	--
AUG											
19...	1615	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	0530	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1140	.00	.00	.00	.00	0	.00
FEB							
26...	1445	.00	.00	.00	.00	0	.00
JUN							
24...	0930	.00	.00	.00	.00	0	.00
AUG							
19...	1615	.00	.00	.00	.00	0	.00
SEP							
16...	0530	.00	.00	.00	.00	0	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
02...	1140	9827	9827	--	--	--	--	--	--	--
12...	1000	1028	1028	--	450	.30	76	92	96	97
30...	1344	9827	9827	--	--	--	--	--	--	--
NOV										
08...	1200	1028	1028	--	347	--	112	105	50	55
20...	1722	9827	9827	--	--	--	--	--	--	--
DEC										
06...	1100	1028	1028	--	1160	--	142	445	45	52
JAN										
09...	1315	1028	1028	--	1140	.61	114	351	26	31
29...	1445	9827	9827	--	--	--	--	--	--	--
FEB										
07...	0900	1028	1028	--	956	.34	35	90	60	65
26...	1445	9827	9827	--	--	--	--	--	--	--
MAR										
12...	1000	1028	1028	--	1060	.40	44	126	77	82
25...	1505	9827	9827	--	--	--	--	--	--	--
APR										
09...	1300	1028	1028	67	1410	.15	227	864	77	78
09...	1330	1028	1028	68	3490	--	--	--	--	--
22...	0700	9827	9827	--	--	--	--	--	--	--
MAY										
08...	1030	1028	1028	--	909	.24	134	329	93	97
20...	0815	9827	9827	--	--	--	--	--	--	--
JUN										
05...	1015	1028	1028	--	802	--	190	411	98	99
24...	0930	9827	9827	--	--	--	--	--	--	--
JUL										
10...	0930	1028	1028	--	442	.37	104	124	95	96
22...	0925	9827	9827	--	--	--	--	--	--	--
AUG										
07...	0945	1028	1028	--	429	.30	162	188	96	98
19...	1615	9827	9827	--	--	--	--	--	--	--
SEP										
03...	1330	1028	1028	--	212	.30	30	17	89	89
16...	0530	9827	9827	--	--	--	--	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
02...	--	--	--	--	--	--	--	--	--
12...	100	--	--	3	6	78	98	100	--
30...	--	--	--	--	--	--	--	--	--
NOV									
08...	80	98	100	1	2	83	99	100	--
20...	--	--	--	--	--	--	--	--	--
DEC									
06...	89	99	100	--	--	--	--	--	--
JAN									
09...	53	97	100	2	2	80	99	100	--
29...	--	--	--	--	--	--	--	--	--
FEB									
07...	81	92	100	8	10	45	89	98	100
26...	--	--	--	--	--	--	--	--	--
MAR									
12...	92	100	--	1	2	79	98	100	--
25...	--	--	--	--	--	--	--	--	--
APR									
09...	85	96	100	33	38	79	98	100	--
09...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
MAY									
08...	98	100	--	0	0	80	100	--	--
20...	--	--	--	--	--	--	--	--	--
JUN									
05...	99	100	--	16	25	74	98	100	--
24...	--	--	--	--	--	--	--	--	--
JUL									
10...	97	100	--	2	2	80	99	100	--
22...	--	--	--	--	--	--	--	--	--
AUG									
07...	99	100	--	3	11	93	100	--	--
19...	--	--	--	--	--	--	--	--	--
SEP									
03...	95	100	--	6	8	91	100	--	--
16...	--	--	--	--	--	--	--	--	--

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT										
11...	1515	1028	1028	37	428	8.3	17.0	--	10.1	51
NOV										
07...	1500	1028	1028	29	441	8.0	13.0	--	8.9	39
DEC										
05...	1500	1028	1028	.00	420	8.2	7.0	--	10.2	118
JAN										
09...	1300	1028	1028	.00	--	--	--	--	--	--
FEB										
06...	1200	1028	1028	.00	410	8.2	5.0	--	11.4	--
MAR										
12...	1300	1028	1028	.00	380	8.1	9.0	--	--	--
APR										
09...	1010	1028	1028	.00	--	--	--	--	--	--
MAY										
07...	1115	1028	1028	132	411	8.2	20.0	.24	7.4	56
JUN										
04...	1030	1028	1028	70	418	8.3	25.5	.24	8.9	26
JUL										
09...	1030	1028	1028	75	430	8.5	28.5	.55	7.6	52
AUG										
06...	1030	1028	1028	50	360	8.2	26.0	--	--	52
SEP										
03...	1000	1028	1028	.00	445	8.3	27.0	--	5.6	--

DATE	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
11...	5.1	91	100	--	--	5	16	86	98	100
NOV										
07...	3.1	93	100	--	--	18	64	99	100	--
DEC										
05...	.00	--	--	--	--	--	--	--	--	--
MAY										
07...	20	63	95	99	100	50	77	99	100	--
JUN										
04...	4.9	87	94	95	100	71	93	99	100	--
JUL										
09...	11	93	95	100	--	88	98	99	100	--
AUG										
06...	7.0	85	93	94	100	14	32	96	100	--

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

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1040	9827	9827	265	7.9	25.0	22.0	15	5.8	66	15
30...	1259	9827	9827	--	7.7	24.0	18.0	10	7.7	81	14
NOV											
20...	1640	9827	9827	--	7.8	19.0	15.0	25	9.6	94	14
JAN											
29...	1415	9827	9827	330	8.1	-2.0	2.0	100	12.3	89	10
FEB											
26...	1400	9827	9827	207	7.8	3.0	6.0	100	11.8	94	18
MAR											
25...	1550	9827	9827	191	7.4	6.0	10.0	160	9.0	80	25
APR											
22...	1415	9827	9827	--	7.7	32.0	24.0	60	9.5	118	17
MAY											
20...	0730	9827	9827	383	7.9	20.0	18.0	30	7.1	75	--
JUN											
24...	0900	9827	9827	430	8.1	26.0	27.0	40	6.8	84	8
JUL											
22...	0840	9827	9827	--	8.1	29.0	30.0	30	4.9	64	9
AUG											
19...	1720	9827	9827	415	--	37.0	32.0	30	5.6	76	7
SEP											
16...	0620	9827	9827	387	--	21.0	26.0	5	5.3	65	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1040	1.7	4	110	29	9.4	10	3.0	110	13	16
30...	1259	2.5	8	--	--	--	--	--	--	14	23
NOV											
20...	1640	2.1	32	--	--	--	--	--	--	16	22
JAN											
29...	1415	2.7	<4	--	33	11	11	3.0	140	15	24
FEB											
26...	1400	3.7	<20	--	--	--	--	--	--	11	18
MAR											
25...	1550	2.6	--	--	--	--	--	--	--	9.5	13
APR											
22...	1415	5.9	--	99	25	7.3	6.9	4.0	81	10	13
MAY											
20...	0730	3.5	<4	--	--	--	--	--	--	18	15
JUN											
24...	0900	--	64	--	--	--	--	--	--	20	18
JUL											
22...	0840	--	260	--	52	15	19	3.0	190	23	22
AUG											
19...	1720	3.0	--	--	--	--	--	--	--	22	22
SEP											
16...	0620	2.6	--	--	--	--	--	--	--	16	18

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1040	157	18	<.01	.010	.070	.80	.080	<5	<10	<5
30...	1259	188	29	.06	<.010	.060	.18	--	--	<10	--
NOV											
20...	1640	212	33	.13	.010	.140	.70	.120	--	<10	--
JAN											
29...	1415	237	34	.25	.040	--	.20	.200	--	<10	<5
FEB											
26...	1400	176	94	1.0	--	.100	.90	.260	--	<10	--
MAR											
25...	1550	235	118	--	--	.120	2.0	.420	--	<10	--
APR											
22...	1415	169	69	.07	.070	.040	2.3	.210	5	<10	--
MAY											
20...	0730	231	45	.10	.010	.120	--	.240	--	<10	--
JUN											
24...	0900	--	24	.06	.010	.050	--	.220	--	<10	--
JUL											
22...	0840	313	--	.02	.010	.160	1.7	.430	--	<10	--
AUG											
19...	1720	--	37	.02	.010	.150	.90	.260	--	<10	--
SEP											
16...	0620	223	27	.09	.070	--	1.8	.200	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1040	<20	480	50	82	30	.00	.00	.00	.00	.00
30...	1259	<20	510	--	140	10	--	--	--	--	--
NOV											
20...	1640	<20	1400	--	90	<10	--	--	--	--	--
JAN											
29...	1415	<20	2500	20	87	20	--	--	--	--	--
FEB											
26...	1400	<20	5700	--	120	20	.00	.00	.00	.00	.00
MAR											
25...	1550	<20	6700	--	150	30	--	--	--	--	--
APR											
22...	1415	<20	3400	<10	120	20	--	--	--	--	--
MAY											
20...	0730	<20	2000	--	190	20	--	--	--	--	--
JUN											
24...	0900	<20	1100	--	190	20	.00	.00	.00	.00	.00
JUL											
22...	0840	<20	830	<10	120	<10	.00	.00	.00	.00	.00
AUG											
19...	1720	<20	940	--	160	10	.00	.00	.00	.00	.00
SEP											
16...	0620	<20	410	--	63	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1040	.00	.00	.00	.00	0	.00
FEB							
26...	1400	.00	.00	.00	.00	4	.00
JUN							
24...	0900	.00	.00	.00	.00	0	.00
JUL							
22...	0840	.00	.00	.00	.00	0	.00
AUG							
19...	1720	.00	.00	.00	.00	0	.00
SEP							
16...	0620	.00	.00	.00	.00	0	.00

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT 11...	1400	1028	1028	637	462	8.4	16.5	--	10.2	44	76
NOV 07...	1400	1028	1028	692	436	8.2	13.0	--	10.8	39	73
DEC 05...	1400	1028	1028	2310	304	7.7	5.0	--	10.2	256	1600
JAN 09...	1215	1028	1028	2170	292	8.0	2.5	.30	11.3	217	1270
FEB 06...	1000	1028	1028	821	425	8.2	3.0	.37	12.4	58	129
MAR 12...	1200	1028	1028	911	349	8.2	9.5	.24	--	62	153
APR 09...	1000	1028	1028	3950	294	8.2	15.0	.15	7.3	413	4410
MAY 07...	1015	1028	1028	1440	439	8.4	22.0	.24	8.5	108	420
JUN 04...	0940	1028	1028	1800	395	8.3	26.5	.18	7.8	119	578
JUL 09...	0930	1028	1028	656	402	8.6	33.0	.24	6.7	82	145
AUG 06...	0945	1028	1028	329	423	8.5	28.0	.18	--	67	60
SEP 03...	0930	1028	1028	392	443	8.3	29.0	.30	7.4	53	56

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT 11...	94	96	100	--	--	52	78	96	99	100	--
NOV 07...	90	95	100	--	--	40	65	90	98	100	--
DEC 05...	59	76	96	100	--	26	53	91	99	100	--
JAN 09...	59	70	96	99	100	30	57	92	99	100	--
FEB 06...	63	67	85	98	100	19	56	98	99	100	--
MAR 12...	87	90	96	100	--	17	35	88	96	98	100
APR 09...	91	94	97	100	--	17	35	95	99	100	--
MAY 07...	94	96	99	100	--	25	52	92	99	100	--
JUN 04...	99	99	99	100	--	17	32	80	99	100	--
JUL 09...	97	98	98	100	--	25	39	91	100	--	--
AUG 06...	91	95	100	--	--	7	18	92	100	--	--
SEP 03...	98	98	99	100	--	3	3	39	79	100	--

07047400 PEMISCOT BAYOU AT DELL, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1023	9827	9827	418	8.0	19.0	20.0	15	8.9	97
30...	1230	9827	9827	--	8.1	24.0	28.0	20	13.6	166
NOV										
20...	1547	9827	9827	--	8.5	19.0	18.0	25	17.7	186
JAN										
29...	1340	9827	9827	485	7.8	-3.0	2.0	30	11.3	82
FEB										
26...	1330	9827	9827	468	7.7	3.0	6.0	30	12.7	101
MAR										
25...	1610	9827	9827	162	7.2	6.0	10.0	900	7.8	69
APR										
22...	1430	9827	9827	--	8.0	32.0	25.0	20	19.6	233
MAY										
20...	0700	9827	9827	422	7.5	18.0	20.0	20	4.5	49
JUN										
24...	0830	9827	9827	86	7.2	26.0	24.0	120	7.1	84
JUL										
22...	0810	9827	9827	--	7.9	27.0	28.0	40	5.4	68
AUG										
19...	1755	9827	9827	161	--	37.0	33.0	40	5.3	7

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1023	6.7	570	160	41	13	27	6.0	180	19	30
30...	1230	--	>980	--	--	--	--	--	--	18	32
NOV											
20...	1547	11	9	--	--	--	--	--	--	22	28
JAN											
29...	1340	4.8	12	--	43	14	25	5.0	220	15	32
FEB											
26...	1330	5.1	20	--	--	--	--	--	--	16	27
MAR											
25...	1610	6.5	10	--	--	--	--	--	--	7.0	16
APR											
22...	1430	22	--	230	60	17	17	5.0	220	10	27
MAY											
20...	0700	4.6	--	--	--	--	--	--	--	15	20
JUN											
24...	0830	--	--	--	--	--	--	--	--	5.5	6.0
JUL											
22...	0810	--	--	--	52	20	20	6.0	230	21	33
AUG											
19...	1755	3.7	--	--	--	--	--	--	--	8.0	12

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
02...	1023	270	64	.41	.070	.060	2.700	<5	<10	<5
30...	1230	282	70	1.3	.100	.050	--	--	<10	--
NOV										
20...	1547	302	47	1.5	.100	.130	4.300	--	<10	--
JAN										
29...	1340	306	24	.76	.030	--	2.100	--	<10	<10
FEB										
26...	1330	303	18	.57	--	.760	1.100	--	<10	--
MAR										
25...	1610	252	417	--	--	.280	.150	--	<10	--
APR										
22...	1430	307	106	.16	.080	<.010	.630	7	<10	--
MAY										
20...	0700	261	106	2.1	.150	3.800	.800	--	<10	--
JUN										
24...	0830	--	--	<.01	.590	.320	2.700	--	<10	--
JUL										
22...	0810	371	--	.10	.040	.150	1.300	--	<10	--
AUG										
19...	1755	--	39	.19	.130	.740	.680	--	<10	--

07047400 PEMISCOT BAYOU AT DELL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1023	<20	970	<10	280	30	.00	.00	.00	.00	.00
30...	1230	<20	1300	--	270	10	--	--	--	--	--
NOV											
20...	1547	<20	1500	--	1100	<10	--	--	--	--	--
JAN											
29...	1340	70	2500	320	740	90	--	--	--	--	--
FEB											
26...	1330	20	1800	--	710	40	.00	.00	.00	.00	.00
MAR											
25...	1610	40	10000	--	460	120	--	--	--	--	--
APR											
22...	1430	<20	2800	<10	840	10	--	--	--	--	--
MAY											
20...	0700	<20	4100	--	690	820	--	--	--	--	--
JUN											
24...	0830	60	50000	--	820	200	.00	.00	.00	.00	.00
JUL											
22...	0810	<20	900	70	330	20	.00	.00	.00	.00	.00
AUG											
19...	1755	<20	1500	--	340	10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1023	.00	.00	.00	.00	0	.00
FEB							
26...	1330	.00	.00	.00	.00	0	.00
JUN							
24...	0830	.00	.00	.00	.04	0	.00
JUL							
22...	0810	.00	.00	.00	.00	0	.00
AUG							
19...	1755	.00	.00	.00	.00	0	.00

07047700 TYRONZA RIVER NEAR TWIST, AR

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
02...	0805	1.9	580	190	49	15	11	5.0	180	7.0	22
30...	0940	2.4	160	--	--	--	--	--	--	8.5	32
JAN											
29...	1905	1.9	90	--	47	16	12	4.0	210	6.5	33
FEB											
26...	1745	1.9	<13	--	--	--	--	--	--	8.0	33
MAR											
26...	0830	5.4	--	--	--	--	--	--	--	3.5	14
APR											
23...	0915	--	--	290	80	20	15	5.0	240	7.5	35
MAY											
21...	0845	3.2	--	--	--	--	--	--	--	6.5	28
JUN											
25...	0830	--	--	--	--	--	--	--	--	6.5	27
JUL											
23...	0900	5.9	--	--	44	16	13	4.0	180	11	36
AUG											
19...	0820	4.3	120	--	--	--	--	--	--	11	38
SEP											
17...	0815	--	--	--	--	--	--	--	--	11	33

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	0805	252	96	.04	.010	.070	.220	5	<10	<5
30...	0940	306	46	.04	<.010	.060	--	--	<10	--
JAN										
29...	1905	287	44	.26	.030	--	.230	--	<10	<5
FEB										
26...	1745	303	74	.45	--	.120	.210	--	<10	--
MAR										
26...	0830	208	762	--	--	.080	1.000	--	<10	--
APR										
23...	0915	342	--	<.01	.020	<.010	.280	4	<10	--
MAY										
21...	0845	277	202	.82	.090	.100	.460	--	<10	--
JUN										
25...	0830	--	884	.96	.140	.190	--	--	<10	--
JUL										
23...	0900	340	--	.27	.050	.120	.450	--	<10	--
AUG										
19...	0820	--	95	<.01	<.010	.050	.240	--	<10	--
SEP										
17...	0815	328	118	.03	.070	--	.260	--	<10	--

07047700 TYRONZA RIVER NEAR TWIST, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	0805	<20	2100	20	250	40	.00	.00	.00	.00	.00
30...	0940	<20	1200	--	490	<10	--	--	--	--	--
JAN											
29...	1905	20	3700	30	280	40	--	--	--	--	--
FEB											
26...	1745	20	3600	--	480	50	.00	.00	.00	.00	.00
MAR											
26...	0830	30	11000	--	240	120	--	--	--	--	--
APR											
23...	0915	<20	3900	<10	220	10	--	--	--	--	--
MAY											
21...	0845	<20	9400	--	300	30	--	--	--	--	--
JUN											
25...	0830	30	17000	--	480	110	.00	.00	.00	.00	.00
JUL											
23...	0900	<20	4200	<10	170	30	.00	.00	.00	.00	.00
AUG											
19...	0820	<20	2100	--	210	20	.00	.00	.00	.00	.00
SEP											
17...	0815	<20	2800	--	350	10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	0805	.00	.00	.00	.00	0	.00
FEB							
26...	1745	.00	.00	.00	.00	4	.00
JUN							
25...	0830	.00	.00	.00	.00	0	.00
JUL							
23...	0900	.00	.00	.00	.00	0	.00
AUG							
19...	0820	.00	.00	.00	.00	0	.00
SEP							
17...	0815	.00	.00	.00	.00	0	.00

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

WATER-QUALITY RECORDS

NOTE.--Streamflow records for the current year are not available in time for inclusion in this report. They will be published in a subsequent report.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to current year.
WATER TEMPERATURES: January 1973 to current year.

REMARKS.--The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 4.0 mi (6.4 km) 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.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 546 micromhos Oct. 4, 1976; minimum daily, 46 micromhos Apr. 3, 1975.
WATER TEMPERATURES: Maximum daily, 34.0°C July 24-26, 1980; minimum daily, 0.0°C on several days during January 1977, January 1978, and Feb. 9, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 543 micromhos Sept. 12; minimum daily, 86 micromhos Mar. 21.
WATER TEMPERATURES: Maximum daily, 30.0°C Jul. 24, 26; minimum daily, 2.0°C Feb. 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
04...	0930	1028	1028	2260	278	8.1	20.5	53	7.2	79	K190	240
NOV												
07...	1600	1028	1028	468	483	7.9	12.5	14	9.4	88	K56	<10
28...	1500	1028	1028	4780	131	7.5	8.0	200	8.8	74	430	1000
JAN												
02...	1600	1028	1028	948	304	7.7	6.0	180	9.8	77	--	--
23...	1500	1028	1028	2320	250	7.9	6.0	620	11.1	88	--	--
FEB												
26...	1400	1028	1028	2210	271	8.0	7.0	110	10.0	82	--	--
MAR												
25...	1500	1028	1028	--	122	7.7	10.0	680	9.2	81	--	--
APR												
23...	1600	1028	1028	1380	298	7.5	7.5	140	11.0	--	--	--
MAY												
20...	1530	1028	80020	1810	350	7.9	24.0	99	6.0	71	--	--
JUN												
11...	0800	1028	80010	923	457	8.0	22.0	68	6.1	70	--	--
AUG												
04...	1230	1028	80020	430	450	8.3	29.0	22	6.8	--	--	--
27...	0900	1028	80010	320	516	8.1	27.0	35	6.4	79	--	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
04...	120	13	34	9.3	8.1	17	.3	2.8	110	20	7.3
NOV											
07...	240	7	67	17	11	12	.3	2.9	230	24	6.1
28...	54	8	15	4.0	3.1	10	.2	4.6	46	12	3.0
JAN											
02...	150	20	42	11	7.1	12	.3	3.2	130	22	4.1
23...	110	14	31	8.4	5.8	10	.2	2.8	98	16	4.1
FEB											
26...	130	24	38	9.5	7.7	11	.3	2.7	110	22	7.2
MAR											
25...	41	1	11	3.4	10	33	.7	1.5	40	13	5.5
APR											
23...	150	18	41	11	7.7	10	.3	2.9	130	20	5.8
MAY											
20...	160	4	46	12	9.3	11	.3	2.7	160	22	7.4
JUN											
11...	220	21	62	16	11	10	.3	2.7	200	23	9.2
AUG											
04...	230	4	64	18	10	8	.3	2.8	230	23	4.7
27...	250	0	68	19	14	11	.4	3.6	250	22	8.7

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
04...	.2	14	158	162	.21	964	.04	.040	1.4	1.4	.49
NOV											
07...	.2	20	302	287	.41	382	.03	.030	.56	.59	.07
28...	.1	10	95	82	.13	1230	.41	.160	1.5	1.7	.80
JAN											
02...	.1	17	187	187	.25	479	.38	.110	1.6	1.7	.30
23...	.1	13	145	142	.20	908	.37	.130	1.1	1.2	.68
FEB											
26...	.2	13	176	171	.24	1050	.99	.170	.93	1.1	.50
MAR											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	.1	5.5	100	77	.14	--	.79	.500	2.5	3.0	1.4
25...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	.2	7.7	321	180	.44	1200	.27	.010	1.6	1.6	.97
MAY											
20...	.2	17	224	215	.30	1100	.67	.030	1.8	1.8	.50
JUN											
11...	.2	19	278	264	.38	693	.07	.100	1.1	1.2	.29
AUG											
04...	.3	18	297	279	.40	345	.06	.000	1.2	1.2	.00
27...	.2	14	293	300	.40	253	.00	.350	2.1	2.4	.80

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
04...	.91	1.4	6.4	.210	.210	--	--	--	130	793	73
NOV											
07...	.52	.62	2.7	.130	.020	16	--	--	--	--	--
28...	.90	2.1	9.3	.430	.110	7.0	--	--	--	--	--
JAN											
02...	1.4	2.1	9.2	.400	.050	--	6.1	--	--	--	--
23...	.52	1.6	7.0	.640	.050	16	--	--	--	--	--
FEB											
26...	.60	2.1	9.3	.180	.050	9.9	--	--	--	--	--
MAR											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	1.6	3.8	17	5.300	4.800	18	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
APR											
23...	.63	1.9	8.3	.360	.130	--	9.6	--	--	--	--
MAY											
20...	1.3	2.5	11	.250	.120	--	9.4	1.6	--	--	--
JUN											
11...	.91	1.3	5.6	.320	.130	14	--	--	--	--	--
AUG											
04...	1.2	1.3	5.6	.210	.070	9.5	--	--	--	--	--
27...	1.6	2.4	11	.210	.140	17	--	--	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
04...	0930	3	2	200	0	200	0	0	<1	0
NOV										
07...	1600	--	--	--	--	--	--	--	--	--
JAN										
02...	1600	4	1	600	400	200	0	0	<1	10
23...	1500	--	--	--	--	--	--	--	--	--
FEB										
26...	1400	--	--	--	--	--	--	--	--	--
APR										
23...	1600	3	3	400	200	200	1	--	<1	0
AUG										
27...	0900	--	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT										
04...	0	10	1	0	<3	8	5	3	2800	2800
JAN										
02...	10	0	2	0	<3	11	11	0	7600	7600
APR										
23...	0	0	3	--	<3	5	0	8	8200	4700

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT										
04...	20	25	25	0	250	250	4	.0	.0	.0
JAN										
02...	20	12	10	2	350	210	140	.0	.0	.1
APR										
23...	3500	24	24	0	290	100	190	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
04...	0	0	0	0	0	0	60	0	80
NOV									
07...	--	--	--	0	--	--	--	--	--
JAN									
02...	0	0	0	0	0	0	60	60	<3
23...	--	--	--	0	--	--	--	--	--
FEB									
26...	--	--	--	0	--	--	--	--	--
APR									
23...	0	0	0	4	4	0	60	30	30
AUG									
27...	--	--	--	1	--	--	--	--	--

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	P,P' DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39311)	DDE, TOTAL (UG/L) (39365)	P,P' DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39321)
NOV											
07...	1600	ND	--	ND	--	ND	--	ND	--	ND	--
09...	1600	--	ND	--	ND	--	ND	--	1.0	--	1.5
JAN											
23...	1500	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	DDT, TOTAL (UG/L) (39370)	P,P' DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39301)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)
NOV											
07...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
09...	--	2.8	--	ND	--	ND	--	ND	--	ND	--
JAN											
23...	ND	--	ND	--	ND	--	ND	--	ND	--	ND

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)
NOV											
07...	--	ND	--	ND	--	ND	--	ND	--	ND	--
09...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
JAN											
23...	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
NOV											
07...	ND	--	ND	--	ND	--	ND	--	ND	ND	ND
09...	--	ND	--	ND	--	ND	--	ND	--	--	--
JAN											
23...	ND	--	ND	--	ND	--	ND	--	--	--	--

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	460	198	267	463	344	138	392	445	315	490	525
2	233	442	213	298	474	344	148	400	451	339	500	527
3	252	433	223	329	491	348	152	406	451	374	489	516
4	277	451	240	349	482	354	169	418	450	381	499	534
5	324	456	276	285	488	361	182	420	450	429	505	538
6	340	468	308	284	486	366	208	419	443	446	508	---
7	365	479	332	327	477	375	223	427	437	454	514	539
8	386	485	376	319	476	349	188	429	448	423	513	532
9	385	483	396	---	455	303	111	433	448	425	508	523
10	392	482	411	---	464	340	102	436	455	437	504	525
11	391	487	420	---	471	370	124	444	465	475	509	537
12	396	492	434	---	471	347	119	449	475	410	514	543
13	383	480	245	---	470	353	160	446	489	415	516	524
14	383	477	158	---	417	324	134	342	512	403	519	529
15	380	479	135	---	327	321	128	335	504	418	519	527
16	397	484	128	---	189	293	126	352	504	415	515	528
17	423	486	195	222	155	159	137	356	487	422	520	509
18	445	494	212	229	174	113	146	324	498	443	520	509
19	477	488	283	273	188	96	389	331	497	458	523	524
20	394	494	302	303	216	94	221	370	459	484	522	490
21	394	504	302	311	267	86	246	404	492	493	527	488
22	411	178	336	348	269	102	282	282	504	207	526	487
23	409	155	334	270	305	107	311	270	506	181	531	405
24	432	144	179	220	337	101	337	259	501	202	521	332
25	434	131	140	233	359	106	347	347	249	282	520	213
26	441	133	125	303	291	116	275	391	202	381	524	184
27	466	131	126	361	306	164	330	396	217	413	529	199
28	471	141	139	398	319	164	357	420	244	447	527	214
29	474	158	189	421	332	146	377	432	256	457	531	492
30	470	171	233	438	---	140	398	437	296	472	537	178
31	472	---	148	446	---	129	---	443	---	488	540	---
MEAN	391	378	250	315	366	236	219	387	428	400	517	454

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	16.5	6.5	6.0	2.5	7.0	13.0	16.5	23.5	28.0	31.0	33.0
2	21.5	14.0	5.5	6.5	2.5	5.0	14.0	17.0	26.5	30.0	32.0	30.0
3	21.0	15.0	3.0	7.0	3.5	3.5	15.0	20.0	27.0	30.5	29.5	30.5
4	20.0	14.5	3.5	5.5	2.5	4.0	16.0	20.5	27.5	32.5	29.0	30.5
5	19.0	13.5	5.0	5.5	4.0	5.0	16.5	19.5	28.0	32.0	28.0	31.0
6	20.0	14.5	6.5	5.5	3.5	6.0	16.5	20.0	30.0	31.0	30.0	32.5
7	20.0	13.5	7.0	5.0	3.5	7.0	16.0	21.5	28.0	31.0	31.0	32.5
8	19.0	13.0	8.0	4.5	3.5	10.0	16.5	18.5	27.0	31.0	31.5	30.5
9	20.0	14.0	8.0	4.5	3.0	10.0	15.0	18.5	24.5	30.5	32.5	30.5
10	17.5	13.0	6.5	6.0	2.0	12.0	15.5	21.0	23.0	30.5	32.0	30.0
11	16.5	11.0	7.0	12.0	2.5	12.0	16.0	21.0	23.0	29.5	30.0	31.5
12	17.0	9.0	8.5	9.5	2.5	11.0	15.5	20.0	22.5	32.5	29.5	31.0
13	17.5	8.5	6.0	8.0	3.0	10.5	13.0	21.0	22.0	33.0	29.5	33.0
14	17.0	8.0	4.0	8.5	4.5	10.5	10.5	21.0	27.0	33.0	29.0	32.0
15	17.0	8.0	4.0	10.0	6.0	10.5	9.0	20.0	25.5	33.0	29.5	32.5
16	18.0	9.0	4.0	---	5.5	12.0	10.0	20.0	28.0	33.5	31.0	31.0
17	19.0	12.0	4.0	10.0	5.0	11.5	11.5	21.5	24.5	33.5	29.0	30.0
18	20.0	12.5	3.0	9.5	4.5	11.0	12.0	22.5	24.0	33.0	29.0	30.0
19	20.0	12.5	4.0	9.0	5.0	10.5	16.5	21.0	24.0	33.0	31.0	27.5
20	20.5	14.0	4.5	11.0	6.0	12.0	16.5	21.0	23.0	33.0	31.0	25.5
21	22.0	14.0	7.5	10.0	8.5	10.5	18.0	23.0	25.0	29.0	31.5	25.0
22	21.5	15.5	8.5	9.0	10.5	11.0	20.0	20.0	27.0	25.5	32.0	25.5
23	18.5	13.5	11.0	7.0	12.0	12.0	21.5	20.0	27.0	25.0	32.0	24.0
24	16.5	12.0	12.0	6.0	12.0	12.0	22.0	22.0	23.5	26.0	34.0	21.5
25	15.5	10.5	11.0	6.5	12.0	11.0	19.0	23.0	23.0	26.5	33.5	21.5
26	15.0	10.0	9.5	7.0	10.0	11.0	15.0	25.0	26.0	30.5	34.0	21.0
27	18.0	9.5	9.0	6.0	7.0	11.0	15.0	24.5	27.0	28.5	32.0	20.5
28	17.5	9.0	8.0	6.0	7.0	11.5	15.0	25.0	28.5	30.5	32.0	19.0
29	16.5	8.0	7.0	6.5	9.0	12.0	15.0	25.5	30.0	30.0	33.0	16.5
30	18.0	7.0	7.0	3.5	---	12.0	16.0	26.0	29.0	31.0	33.0	17.0
31	18.0	---	7.0	2.5	---	12.0	---	26.0	---	30.0	32.0	---
MEAN	18.5	12.0	6.5	7.0	5.5	10.0	15.5	21.5	26.0	30.5	31.0	27.5

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT												
11...	1300	1028	1028	--	45	332	8.0	15.0	--	8.3	--	--
NOV												
07...	1300	1028	1028	--	868	382	8.2	13.0	--	10.6	64	150
DEC												
05...	1200	1028	1028	--	3430	204	7.4	9.5	--	10.4	181	1680
JAN												
09...	1030	1028	1028	67	4420	270	8.0	2.0	.46	11.3	215	2570
09...	1100	1028	1028	68	2400	270	8.0	2.0	.46	11.3	131	849
FEB												
06...	0830	1028	1028	67	1660	309	8.1	1.5	.37	12.9	199	892
06...	0900	1028	1028	68	1150	--	--	1.5	.46	--	106	329
MAR												
12...	0930	1028	1028	67	1910	207	7.9	9.5	.30	--	262	1350
12...	1030	1028	1028	68	1500	--	--	9.5	.30	--	120	486
APR												
09...	0800	1028	1028	67	5830	204	8.0	15.0	.15	6.5	208	3270
09...	0830	1028	1028	68	3010	--	--	15.0	--	--	166	1350
MAY												
07...	0930	1028	1028	67	1630	289	8.2	21.0	.15	7.1	331	1460
07...	0945	1028	1028	68	883	--	--	21.0	.27	--	195	465
JUN												
04...	0815	1028	1028	67	1310	300	8.3	25.5	.10	6.5	244	863
04...	0845	1028	1028	68	842	--	--	25.5	.10	--	198	450
JUL												
09...	0830	1028	1028	--	232	333	8.5	29.0	.30	6.4	108	68
AUG												
06...	0800	1028	1028	--	537	399	8.3	28.0	.30	9.4	98	142
SEP												
03...	0830	1028	1028	--	472	403	8.2	27.0	.30	7.2	48	61

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV											
07...	67	72	96	100	--	1	1	10	80	99	100
DEC											
05...	84	90	98	100	--	26	65	95	99	100	--
JAN											
09...	29	31	90	99	100	56	69	87	98	100	--
09...	57	62	82	98	100	10	22	77	100	--	--
FEB											
06...	58	71	85	98	100	10	16	75	100	--	--
06...	76	81	89	100	--	10	18	92	99	100	--
MAR											
12...	41	48	86	100	--	2	3	38	95	99	100
12...	71	79	95	100	--	1	1	12	94	98	100
APR											
09...	58	62	97	100	--	0	0	81	100	--	--
09...	73	76	92	99	100	1	3	58	98	100	--
MAY											
07...	69	72	97	100	--	51	75	95	100	--	--
07...	94	96	99	100	--	4	4	7	91	100	--
JUN											
04...	81	87	97	100	--	1	2	65	98	100	--
04...	98	98	99	100	--	2	4	52	99	100	--
JUL											
09...	80	82	99	100	--	0	0	57	99	100	--
AUG											
06...	81	91	92	100	--	1	1	69	99	100	--
SEP											
03...	94	96	99	100	--	4	5	49	97	100	--

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT 11...	1130	1028	1028	121	13.0	--	40	13	57
NOV 07...	0930	1028	1028	747	12.5	--	52	105	86
DEC 05...	0930	1028	1028	5180	9.0	--	372	5200	50
JAN 09...	0915	1028	1028	5430	1.0	.46	240	3520	36
FEB 05...	1700	1028	1028	2790	3.0	.40	140	1060	71
MAR 11...	1800	1028	1028	3010	9.5	.37	147	1200	75
APR 08...	1600	1028	1028	8340	16.0	.15	357	8040	65
MAY 06...	1600	1028	1028	2270	22.0	.15	171	1050	90
JUN 03...	1430	1028	1028	1810	26.5	.12	174	850	97
JUL 08...	1530	1028	1028	335	35.0	.30	100	90	92
AUG 05...	1530	1028	1028	491	27.0	.24	126	167	65
SEP 02...	1700	1028	1028	381	29.0	.30	56	58	95

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 11...	76	95	100	--	0	0	39	95	100
NOV 07...	91	94	100	--	1	1	14	95	100
DEC 05...	59	98	100	--	0	0	63	99	100
JAN 09...	44	98	99	100	0	0	54	97	100
FEB 05...	75	91	99	100	37	76	99	100	--
MAR 11...	81	99	100	--	1	2	81	99	100
APR 08...	70	78	95	100	0	0	54	98	100
MAY 06...	94	99	100	--	1	2	87	99	100
JUN 03...	99	100	--	--	1	3	83	98	100
JUL 08...	96	99	100	--	1	1	25	97	100
AUG 05...	72	96	100	--	1	1	44	98	100
SEP 02...	97	99	100	--	1	1	41	97	100

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
11...	1100	1028	1028	136	522	8.1	13.0	--	--
NOV									
07...	0800	1028	1028	126	495	7.8	11.0	--	9.6
DEC									
05...	0800	1028	1028	189	480	7.9	9.0	--	9.7
JAN									
09...	0830	1028	1028	313	290	7.9	3.0	.61	10.3
FEB									
05...	1630	1028	1028	233	470	8.1	6.0	.52	10.4
MAR									
11...	1700	1028	1028	237	465	7.7	9.5	.37	--
APR									
08...	1530	1028	1028	5240	94	7.6	16.0	.15	7.8
MAY									
06...	1545	1028	1028	275	479	8.4	24.0	.15	8.7
JUN									
03...	1400	1028	1028	243	480	8.3	26.5	.15	6.5
JUL									
08...	1430	1028	1028	217	519	8.4	35.0	.37	9.3
AUG									
05...	1515	1028	1028	94	520	7.5	28.0	.24	9.1
SEP									
02...	1630	1028	1028	82	406	8.4	31.0	.30	7.0

DATE	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)
OCT									
11...	65	24	69	90	97	100	--	0	0
NOV									
07...	55	19	67	81	96	100	--	1	1
DEC									
05...	174	89	39	74	98	100	--	2	2
JAN									
09...	47	40	55	74	91	96	100	1	1
FEB									
05...	66	42	79	88	92	100	--	10	22
MAR									
11...	64	41	81	93	98	100	--	46	53
APR									
08...	1900	26900	91	93	99	99	100	30	40
MAY									
06...	108	80	70	89	99	100	--	95	97
JUN									
03...	72	47	90	97	99	100	--	3	3
JUL									
08...	52	30	77	93	95	100	--	8	10
AUG									
05...	49	12	90	99	100	--	--	1	1
SEP									
02...	48	11	98	98	99	100	--	2	3

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)
OCT									
11...	6	10	13	--	14	18	22	45	100
NOV									
07...	7	9	11	--	11	16	29	63	100
DEC									
05...	51	95	100	--	--	--	--	--	--
JAN									
09...	90	100	--	--	--	--	--	--	--
FEB									
05...	95	100	--	--	--	--	--	--	--
MAR									
11...	91	99	100	--	--	--	--	--	--
APR									
08...	98	99	100	--	--	--	--	--	--
MAY									
06...	98	99	100	--	--	--	--	--	--
JUN									
03...	72	94	99	100	--	--	--	--	--
JUL									
08...	16	21	23	--	23	25	34	53	100
AUG									
05...	10	14	16	--	18	23	37	62	100
SEP									
02...	14	17	18	--	18	20	32	54	100

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

WATER-QUALITY RECORDS

NOTE.--Streamflow records for the current year are not available in time for inclusion in this report. They will be published in a subsequent report.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to current year.
WATER TEMPERATURES: October 1973 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 489 micromhos Jul. 28, 1980; minimum daily, 90 micromhos Mar. 17, 1980.
WATER TEMPERATURES: Maximum daily, 34.5°C July 13, 1980; minimum daily, 0.0°C on several days during January 1977, January 1978, and January 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 489 micromhos Jul. 28; minimum daily, 90 micromhos Mar. 17.
WATER TEMPERATURES: Maximum daily, 34.5°C Jul. 13; minimum daily, 0.0°C Jan. 12.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
03...	1600	1028	1028	512	324	8.3	21.0	20	9.2	102	K13	K12
10...	1500	1028	1028	238	465	8.2	16.5	--	10.0	--	--	--
NOV												
06...	1600	1028	1028	872	402	8.0	13.0	--	10.0	--	--	--
07...	1400	1028	1028	843	396	7.9	12.5	15	11.5	107	K40	K56
28...	1400	1028	1028	6010	192	7.7	8.5	160	9.5	81	340	1800
DEC												
04...	1600	1028	1028	--	230	7.8	9.0	--	9.7	--	--	--
JAN												
02...	1500	1028	1028	8280	187	7.5	4.5	180	10.7	82	--	--
08...	1345	1028	1028	5760	228	7.5	1.5	--	10.8	--	--	--
20...	1245	--	--	--	--	8.5	--	--	--	--	K22	K16
23...	1400	1028	1028	6190	220	7.9	6.0	120	10.8	86	--	--
FEB												
05...	1430	1028	1028	2860	330	8.1	2.0	--	11.8	--	--	--
26...	1245	1028	1028	4430	182	7.9	7.0	90	11.8	97	--	--
MAR												
11...	1600	1028	1028	4020	241	8.0	10.0	--	11.2	--	--	--
25...	1430	1028	1028	--	163	7.5	10.0	230	9.2	81	--	--
APR												
08...	1430	1028	1028	14100	135	7.8	16.0	--	7.6	--	--	--
23...	1430	--	--	7340	--	--	--	--	--	--	--	--
23...	1500	1028	1028	--	241	7.6	8.0	110	11.4	--	--	--
MAY												
06...	1430	1028	1028	3160	305	8.3	22.0	--	8.0	--	--	--
20...	1430	1028	80020	1950	312	8.1	24.0	60	7.7	91	--	--
JUN												
03...	1215	1028	1028	2560	280	8.3	26.0	--	6.9	--	--	--
10...	1500	1028	80010	1760	368	8.3	24.0	76	7.5	83	--	--
JUL												
08...	1300	1028	1028	489	420	8.6	34.0	--	7.9	--	--	--
AUG												
04...	1145	1028	80020	774	395	8.3	28.5	37	7.3	--	--	--
05...	1415	1028	1028	1140	418	7.9	28.5	--	9.7	--	--	--
27...	1000	1028	80020	466	433	8.3	28.0	34	7.2	91	--	--
SEP												
02...	1430	1028	1028	552	408	8.5	29.0	--	7.2	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
03...	150	10	42	11	7.5	13	.3	2.6	140	24	5.0
NOV											
28...	78	9	21	6.3	5.5	13	.3	3.9	69	16	7.6
JAN											
02...	79	12	20	7.1	4.7	16	.2	2.8	67	15	5.8
23...	93	10	24	8.0	5.4	11	.2	2.3	83	15	5.8
FEB											
26...	90	17	24	7.3	6.1	13	.3	2.1	73	17	5.6
MAR											
25...	72	17	19	5.9	6.5	16	.3	1.6	55	14	5.0
APR											
23...	--	--	--	--	--	--	--	--	--	--	--
23...	110	31	28	8.8	6.0	11	.3	2.1	75	16	4.9
MAY											
20...	150	4	42	12	8.4	10	.3	2.3	150	14	7.2
JUN											
10...	180	15	47	14	9.4	10	.3	2.1	160	17	8.3
AUG											
04...	180	0	49	14	12	13	.4	2.3	180	21	10
27...	200	11	54	16	12	11	.4	2.6	190	23	10

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
03...	.2	16	196	193	.27	271	.01	.020	.91	.93	.06
NOV											
07...	.2	12	240	216	.33	546	.44	.020	.52	.54	.09
28...	.3	11	126	115	.17	2050	.09	.040	1.5	1.5	.86
JAN											
02...	.1	9.9	111	107	.15	2480	.19	.120	1.7	1.8	.50
23...	.1	11	138	122	.19	2310	.17	.070	.51	.58	.15
FEB											
26...	.2	8.9	125	118	.17	1500	.65	.120	.72	.84	.06
MAR											
25...	.1	7.9	108	96	.15	--	.72	.250	1.5	1.7	.60
APR											
23...	--	--	--	--	--	--	--	--	--	--	--
23...	.2	9.3	164	145	.22	--	.03	.010	1.3	1.3	.10
MAY											
20...	.2	14	209	190	.28	1100	.01	.010	1.4	1.4	.30
JUN											
10...	.2	16	217	210	.30	1030	.05	.070	1.1	1.2	.44
AUG											
04...	.3	17	252	234	.34	527	.02	.010	1.1	1.1	.00
27...	.2	17	259	249	.35	326	.00	.120	1.2	1.3	.79

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
03...	.87	.94	4.2	.110	.110	--	5.1	1.3	77	106	55
10...	--	--	--	--	--	--	--	--	34	22	--
NOV											
06...	--	--	--	--	--	--	--	--	146	344	--
07...	.45	.98	4.3	.110	.060	5.7	--	--	--	--	--
28...	.64	1.6	7.0	.370	.100	11	--	--	--	--	--
JAN											
02...	1.3	2.0	8.8	.260	.050	--	7.1	1.6	--	--	--
08...	--	--	--	--	--	--	--	--	212	3300	--
23...	.43	.75	3.3	.220	.040	6.9	--	--	--	--	--
FEB											
05...	--	--	--	--	--	--	--	--	144	1110	--
26...	.78	1.5	6.6	.190	.050	12	--	--	--	--	--
MAR											
11...	--	--	--	--	--	--	--	--	148	1610	--
25...	1.1	2.4	11	.420	.090	12	--	--	--	--	--
APR											
08...	--	--	--	--	--	--	--	--	553	21100	--
23...	--	--	--	--	--	--	--	--	--	--	
23...	1.2	1.3	5.9	.230	.060	--	9.1	--	--	--	--
MAY											
06...	--	--	--	--	--	--	--	--	210	1790	--
20...	1.1	1.4	6.2	.040	.090	--	5.9	1.8	--	--	--
JUN											
03...	--	--	--	--	--	--	--	--	170	1180	--
10...	.76	1.3	5.5	.240	.100	9.3	--	--	--	--	--
JUL											
08...	--	--	--	--	--	--	--	--	218	288	--
AUG											
04...	1.3	1.1	5.0	.210	.200	10	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	104	320	--
27...	.51	1.3	5.8	.200	.020	9.3	--	--	--	--	--
SEP											
02...	--	--	--	--	--	--	--	--	54	80	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
03...	1600	2	2	--	--	200	0	0	<1	0
NOV										
07...	1400	--	--	--	--	--	--	--	--	--
JAN										
02...	1500	2	1	300	200	90	0	0	<1	10
23...	1400	--	--	--	--	--	--	--	--	--
FEB										
26...	1245	--	--	--	--	--	--	--	--	--
APR										
23...	1500	2	1	300	200	100	1	--	<1	0
AUG										
27...	1000	--	--	--	--	--	--	--	--	--

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT										
03...	0	0	0	0	<3	4	3	1	1100	1100
JAN										
02...	10	0	2	0	<3	8	7	1	5100	5100
APR										
23...	0	0	2	--	<3	2	0	11	5300	5200

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT										
03...	50	18	17	1	--	--	80	.1	.1	.0
JAN										
02...	40	10	7	3	180	170	10	.0	.0	.0
APR										
23...	110	12	12	0	300	290	8	.0	.0	.0

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT									
03...	0	0	0	0	0	0	--	--	8
NOV									
07...	--	--	--	0	--	--	--	--	--
JAN									
02...	0	0	0	0	0	0	50	50	<3
23...	--	--	--	0	--	--	--	--	--
FEB									
26...	--	--	--	0	--	--	--	--	--
APR									
23...	0	0	0	3	3	0	50	50	3
AUG									
27...	--	--	--	1	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT							
03...	1600	1028	1028	--	--	--	--
10...	1500	1028	1028	87	98	100	--
NOV							
06...	1600	1028	1028	73	84	99	100
JAN							
08...	1345	1028	1028	47	58	88	98
FEB							
05...	1430	1028	1028	70	73	96	100
MAR							
11...	1600	1028	1028	72	80	98	100
APR							
08...	1430	1028	1028	94	98	99	100
MAY							
06...	1430	1028	1028	74	82	97	100
JUN							
03...	1215	1028	1028	94	97	99	100
JUL							
08...	1300	1028	1028	53	55	69	100
AUG							
05...	1415	1028	1028	92	96	99	100
SEP							
02...	1430	1028	1028	98	98	99	100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT						
03...	--	--	--	--	--	--
10...	--	4	6	62	99	100
NOV						
06...	--	2	2	50	97	100
JAN						
08...	100	4	42	99	100	--
FEB						
05...	--	40	66	98	100	--
MAR						
11...	--	2	11	97	100	--
APR						
08...	--	1	9	86	99	100
MAY						
06...	--	2	3	49	99	100
JUN						
03...	--	0	0	24	97	100
JUL						
08...	--	1	1	24	96	100
AUG						
05...	--	1	1	16	94	100
SEP						
02...	--	1	1	47	98	100

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	304	424	199	175	318	243	182	264	282	372	432	408
2	348	444	193	188	335	240	170	257	317	394	416	409
3	325	436	200	188	338	240	159	263	326	357	416	413
4	418	394	202	199	343	231	175	291	338	368	396	417
5	372	402	207	220	350	220	173	304	350	385	417	417
6	368	411	216	229	344	220	181	311	463	383	432	418
7	410	391	227	229	338	246	188	319	358	390	441	422
8	468	393	217	228	351	257	242	341	358	379	445	420
9	469	411	261	233	348	257	142	346	377	391	446	420
10	483	413	262	238	354	261	191	345	382	441	444	422
11	476	406	278	186	354	261	200	346	395	417	441	428
12	428	404	275	179	358	286	191	361	391	418	428	430
13	488	407	272	184	360	288	200	209	385	422	413	432
14	488	400	235	194	347	305	156	277	387	458	393	438
15	488	396	212	182	350	319	133	325	404	434	398	463
16	482	386	231	196	344	128	138	332	399	444	402	464
17	473	396	204	204	274	90	153	291	404	449	407	458
18	394	390	204	198	249	96	154	319	409	446	401	462
19	440	398	176	202	216	146	176	326	416	424	421	459
20	405	389	211	208	202	181	193	307	404	440	339	456
21	408	385	222	208	193	165	208	351	423	443	362	467
22	461	197	239	223	206	168	227	358	431	117	378	453
23	472	---	245	233	215	176	253	214	425	266	373	313
24	438	260	142	230	225	182	252	252	332	394	405	196
25	382	263	118	246	242	171	271	306	361	426	375	200
26	427	237	162	266	219	178	235	320	382	417	419	181
27	419	210	189	278	234	194	226	314	322	433	444	188
28	421	188	180	283	234	215	240	307	306	489	426	268
29	423	187	168	293	232	195	237	305	314	446	413	240
30	421	200	165	295	---	154	257	313	358	448	406	328
31	424	---	168	305	---	156	---	276	---	465	411	---
MEAN	427	352	209	223	292	209	197	305	373	405	411	383

WTR YR 1980 MEAN 315 MAX 489 MIN 90

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.5	15.5	5.5	4.5	1.0	5.5	13.0	16.0	23.0	28.0	30.0	30.0
2	21.0	14.0	5.0	6.0	1.5	3.5	14.0	17.0	25.0	29.5	31.0	32.0
3	18.5	14.5	4.5	5.5	2.5	2.0	15.0	19.0	26.5	30.0	31.0	29.5
4	18.5	15.0	5.0	4.5	1.5	3.0	16.0	21.0	27.0	32.5	28.5	30.0
5	18.0	13.0	4.0	4.5	2.0	4.0	17.0	19.0	27.0	31.0	28.0	33.0
6	19.5	14.5	5.0	4.5	2.0	5.5	16.0	20.0	27.0	31.5	30.0	29.5
7	20.5	13.0	5.0	4.5	2.0	7.0	16.0	21.0	26.5	30.5	31.0	33.5
8	18.0	13.0	7.0	4.0	2.0	11.0	17.0	18.0	27.5	30.0	32.0	30.0
9	20.0	13.5	7.0	4.5	1.5	11.0	16.0	18.0	22.0	30.0	32.0	30.0
10	14.0	12.5	5.5	4.0	2.0	12.5	16.0	21.0	22.0	29.5	32.5	29.5
11	13.5	10.5	6.5	10.0	1.0	11.0	17.0	20.5	23.0	28.0	29.0	30.0
12	14.5	10.5	8.0	5.0	.0	10.0	16.0	20.0	21.0	22.5	29.0	30.0
13	17.5	7.5	7.0	6.5	.5	9.5	14.0	21.0	21.5	34.5	29.0	31.0
14	17.0	6.5	5.5	6.5	3.0	10.0	10.0	21.0	26.5	33.0	29.0	32.0
15	17.0	7.5	5.0	8.0	5.5	10.0	9.0	20.0	27.5	32.5	29.0	32.5
16	18.5	8.0	4.5	8.5	4.5	11.5	10.0	19.5	25.0	32.5	32.0	32.0
17	19.5	10.5	4.0	9.0	4.5	11.5	10.5	22.0	24.0	32.5	30.5	29.5
18	17.5	11.5	2.5	9.5	4.0	10.0	13.5	24.0	24.0	32.5	28.5	29.5
19	20.0	11.5	3.0	9.0	3.0	10.5	16.0	23.0	24.0	32.5	30.5	28.0
20	22.5	12.5	3.0	9.0	4.0	11.5	17.0	21.0	23.0	33.0	30.5	26.0
21	24.0	13.5	4.0	8.5	6.0	10.5	18.0	22.0	24.5	29.0	30.5	25.0
22	21.0	14.0	6.5	8.0	7.5	11.0	21.0	20.0	27.0	25.0	31.5	25.0
23	18.5	---	9.0	6.5	10.0	12.0	22.0	19.0	27.0	26.0	31.5	20.5
24	14.0	11.0	10.0	6.0	10.5	12.0	22.5	18.0	26.0	27.0	33.5	21.0
25	13.5	11.0	10.0	6.0	10.0	11.0	18.0	26.0	28.0	27.0	33.5	21.0
26	15.5	10.0	8.0	6.5	7.5	10.5	14.5	26.0	29.0	31.0	33.5	19.0
27	18.0	10.0	3.0	6.0	6.5	10.0	15.0	25.0	28.0	28.5	32.0	20.0
28	17.5	9.5	7.5	5.0	7.0	11.0	14.5	25.5	28.0	31.0	32.0	18.5
29	16.5	8.0	6.5	3.5	8.0	12.0	14.5	26.0	28.0	30.0	33.0	16.5
30	16.0	7.0	6.0	2.5	---	12.5	15.0	25.0	26.5	31.0	33.0	17.0
31	18.0	---	6.0	1.0	---	12.0	---	25.5	---	30.0	30.0	---
MEAN	18.0	11.5	6.0	6.0	4.0	9.5	15.5	21.5	25.5	30.0	31.0	27.0

WTR YR 1980 MEAN 17.0 MAX 34.5 MIN .0

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JUNE 1980

DATE	NOV 7,79	JUN 10,80
TIME	1400	1500
TOTAL CELLS/ML	12000	2200
DIVERSITY: DIVISION	1.7	1.3
.CLASS	1.7	1.3
..ORDER	2.1	1.7
...FAMILY	2.7	2.2
....GENUS	3.2	3.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)				
.CHLOROPHYCEAE				
..CHLOROCOCCALES				
...HYDRODICTYACEAE				
....PEDIASTRUM	--	-	40	2
...MICRACTINIACEAE				
....GOLENKINIA	420	4	20	1
....MICRACTINIUM	490	4	--	-
...OOCYSTACEAE				
....ANKISTRODESMUS	420	4	*	0
....CHLORELLA	--	-	40	2
....DICTYOSPHAERIUM	120	1	--	-
....GLOEOACTINIUM	--	-	40	2
....KIRCHNERIELLA	--	-	60	3
....SELENASTRUM	550	5	60	3
...SCENEDESMACEAE				
....ACTINASTRUM	--	-	560#	26
....CRUCIGENIA	490	4	--	-
....SCENEDESMUS	1900#	16	120	5
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	420	4	*	0

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980--CONTINUED

DATE TIME	NOV 7,79 1400		JUN 10,80 1500	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHRYSOPHYTA				
.BACILLARIOPHYCEAE				
..CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	1300	11	380#	17
....MELOSIRA	1100	9	520#	24
..PENNALES				
...FRAGILARIACEAE				
....SYNEDRA	--	-	*	0
...NAVICULACEAE				
....NAVICULA	61	1	--	-
...NITZSCHIACEAE				
....NITZSCHIA	1300	11	210	10
CRYPTOPHYTA (CRYPTOMONADS)				
.CRYPTOPHYCEAE				
..CRYPTOMONADALES				
...CRYPTOMONADACEAE				
....CRYPTOMONAS	180	2	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
.CYANOPHYCEAE				
..CHROOCOCCALES				
...CHROOCOCCACEAE				
....ANACYSTIS	3100#	26	70	3
....GOMPHOSPHAERIA	--	-	*	0
EUGLENOPHYTA (EUGLENOIDS)				
.EUGLENOPHYCEAE				
..EUGLENALES				
...EUGLENACEAE				
....EUGLENA	--	-	20	1
PYRRHOPHYTA (FIRE ALGAE)				
.DINOPHYCEAE				
..PERIDINIALES				
...GLENODINIACEAE				
....GLENODINIUM	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PERIPHYTON

DATE	PERI-PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERI-PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70958)
OCT				
03...	19.8	18.0	1.56	.880
NOV				
07...	2.60	2.20	.890	.690

07047904 CLARK CORNER CUTOFF NEAR COLT, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT									
10...	1200	1028	1028	408	17.0	--	38	42	90
NOV									
06...	1300	1028	1028	1090	15.0	--	73	215	86
DEC									
04...	1400	1028	1028	6410	9.5	--	116	2010	99
JAN									
08...	1215	1028	1028	6380	1.5	.24	241	4150	42
FEB									
05...	1300	1028	1028	3120	2.0	.30	95	800	91
MAR									
11...	1330	1028	1028	3960	10.0	.37	119	1270	92
MAY									
06...	1145	1028	1028	3130	21.0	.12	187	1580	93
JUN									
03...	1115	1028	1028	2400	24.0	.10	192	1240	94
JUL									
08...	1130	1028	1028	846	31.5	.30	96	219	94
AUG									
05...	1130	1028	1028	795	27.5	.30	156	335	58
SEP									
02...	1300	1028	1028	657	31.0	.23	45	80	99

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT									
10...	95	100	--	--	18	30	78	99	100
NOV									
06...	90	95	100	--	7	12	57	98	100
DEC									
04...	99	100	--	--	--	--	--	--	--
JAN									
08...	48	60	98	100	1	3	71	98	100
FEB									
05...	92	94	100	--	14	34	78	96	100
MAR									
11...	97	98	100	--	30	44	84	99	100
MAY									
06...	98	99	100	--	4	5	12	59	100
JUN									
03...	95	95	98	100	3	7	27	92	100
JUL									
08...	95	98	100	--	3	9	80	97	100
AUG									
05...	68	85	99	100	10	19	74	99	100
SEP									
02...	99	99	100	--	16	20	82	99	100

07047907 ST. FRANCIS RIVER AT MADISON, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT											
11...	0830	1028	1028	98	431	8.0	16.0	.34	8.2	73	19
NOV											
06...	1210	1028	1028	951	400	8.0	15.0	--	9.3	70	180
DEC											
04...	1100	1028	1028	6130	250	7.7	9.0	--	9.9	149	2470
JAN											
08...	1030	1028	1028	5690	220	7.6	3.0	.24	11.0	133	2040
FEB											
05...	1130	1028	1028	3040	341	8.3	2.0	.46	12.6	96	788
MAR											
11...	1130	1028	1028	3810	231	8.1	10.0	.40	--	122	1260
APR											
08...	1100	1028	1028	12700	171	7.7	16.0	.15	8.2	306	10500
MAY											
06...	1030	1028	1028	3430	304	8.1	21.0	.12	7.7	225	2080
JUN											
03...	1000	1028	1028	2540	312	8.5	25.0	.10	6.8	191	1310
JUL											
08...	1030	1028	1028	1730	440	8.3	31.5	.30	6.7	117	547
AUG											
05...	1045	1028	1028	928	385	8.0	27.0	.24	7.7	107	268
SEP											
02...	1230	1028	1028	694	408	8.5	27.0	.30	6.0	67	126

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT											
11...	92	94	95	100	--	19	22	31	80	100	--
NOV											
06...	86	92	96	100	--	14	16	32	85	100	--
DEC											
04...	93	97	99	100	--	5	13	91	99	100	--
JAN											
08...	80	86	91	100	--	2	2	9	69	100	--
FEB											
05...	90	92	95	99	100	4	11	48	63	92	100
MAR											
11...	95	97	98	100	--	1	3	34	74	99	100
APR											
08...	86	87	89	99	100	1	1	19	78	100	--
MAY											
06...	94	97	99	100	--	2	3	21	66	99	100
JUN											
03...	92	97	98	100	--	5	15	39	81	98	100
JUL											
08...	97	98	99	100	--	7	17	83	96	100	--
AUG											
05...	97	99	100	--	--	28	39	64	80	100	--
SEP											
02...	96	97	99	100	--	--	--	--	--	--	--

07047942 L'ANGUILLE RIVER NEAR COLT, AR

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

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

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 769 ft^3/s (21.8 m^3/s) 19.52 in/yr (496 mm/yr), 557,100 acre-ft/yr (687 hm^3/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,280 ft^3/s (121 m^3/s) Mar. 20, gage height, 13.90 ft (4.237 m); minimum, 0.99 ft^3/s (0.028 m^3/s) July 20, gage height 2.18 ft (0.664 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	999	87	805	1080	345	249	2490	850	553	454	436	74
2	859	87	755	920	290	192	2260	761	485	409	349	90
3	792	66	685	880	210	137	1960	688	413	357	260	109
4	734	54	635	830	145	102	1830	629	336	310	176	120
5	680	44	570	785	87	79	1630	571	253	264	91	126
6	625	36	525	720	72	58	1430	509	182	179	50	131
7	564	25	480	675	66	48	1230	432	114	96	34	136
8	496	22	385	660	79	51	2900	361	67	42	26	150
9	425	20	305	610	175	55	2270	302	48	14	22	167
10	365	20	200	610	200	64	2470	237	30	6.5	19	171
11	295	18	130	805	190	66	2580	161	23	3.6	17	165
12	225	15	66	805	165	119	2460	116	18	2.7	18	152
13	130	12	610	830	165	159	2300	159	17	2.0	21	136
14	79	12	645	880	265	162	3000	270	22	1.9	23	125
15	44	13	620	880	335	190	2730	521	26	1.6	23	118
16	22	10	610	830	415	454	2700	734	24	1.9	21	117
17	15	12	595	805	550	2350	2410	904	24	2.1	17	156
18	13	13	535	785	620	2690	2100	1090	27	2.1	15	195
19	12	13	480	755	635	3210	1780	1480	34	1.8	16	174
20	10	15	425	700	610	3630	1510	1320	41	1.1	16	168
21	12	15	364	675	595	3920	1260	1020	56	1.4	16	180
22	15	620	305	700	560	3310	1040	1040	71	549	15	185
23	25	740	245	720	530	2900	871	1320	79	691	13	212
24	20	755	610	685	496	3630	791	1150	255	704	14	442
25	15	805	770	675	458	2900	783	1080	356	958	16	760
26	15	920	880	645	412	2550	942	1000	384	1270	21	944
27	15	1080	1450	610	367	2140	1290	878	470	1090	28	1220
28	15	1080	1670	560	324	2130	1480	791	504	838	35	1520
29	20	1000	1550	515	283	2000	1320	728	505	717	45	1730
30	20	880	1340	470	---	2670	1050	670	487	616	57	1600
31	40	---	1250	415	---	2580	---	614	---	525	69	---
TOTAL	7596	8489	20495	22515	9644	44795	54867	22386	5904	10111.7	1979	11573
MEAN	245	283	661	726	333	1445	1829	722	197	326	63.8	386
MAX	999	1080	1670	1080	635	3920	3000	1480	553	1270	436	1730
MIN	10	10	66	415	66	48	783	116	17	1.1	13	74
CFSM	.46	.53	1.24	1.36	.62	2.70	3.42	1.35	.37	.61	.12	.72
IN.	.53	.59	1.43	1.57	.67	3.11	3.82	1.56	.41	.70	.14	.80
AC-FT	15070	16840	40650	44660	19130	88850	108800	44400	11710	20060	3930	22960

CAL YR 1979 TOTAL 377704.0 MEAN 1035 MAX 5250 MIN 10 CFSM 1.94 IN 26.26 AC-FT 749200
WTR YR 1980 TOTAL 220354.7 MEAN 602 MAX 3920 MIN 1.1 CFSM 1.13 IN 15.32 AC-FT 437100

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
03...	1400	1028	1028	787	191	7.9	--	19.0	22	4.6	49
17...	1145	1028	--	16	--	--	21.0	18.0	--	--	--
NOV											
08...	0900	1028	1028	22	308	7.7	--	11.0	47	6.5	59
29...	0900	1028	1028	1000	185	7.3	--	6.0	55	6.6	53
JAN											
03...	0900	1028	1028	880	137	7.0	--	45.0	140	9.2	71
09...	1105	1028	--	612	--	--	2.5	3.0	--	--	--
24...	0900	1028	1028	687	153	7.3	--	4.5	160	9.2	72
FEB											
12...	1030	1028	--	162	--	--	-1.0	2.5	--	--	--
27...	0900	1028	1028	373	181	7.6	--	4.5	110	9.8	75
MAR											
26...	0930	1028	1028	2650	87	7.3	--	8.0	190	9.2	77
APR											
15...	1250	1028	--	2780	--	--	22.0	11.0	--	--	--
MAY											
21...	1030	1028	80020	1040	8	6.9	--	21.0	180	4.7	52
JUN											
09...	1115	1028	--	50	--	--	28.5	24.0	--	--	--
JUL											
10...	1030	1028	80020	6.4	383	7.5	--	30.0	48	2.2	29
AUG											
04...	0925	1028	--	172	--	--	31.5	28.0	--	--	--
27...	1230	1028	80020	26	605	8.1	--	26.0	31	5.0	61

DATE	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT										
03...	4.5	170	380	75	8	19	6.6	6.2	14	.3
NOV										
08...	2.5	230	230	120	10	30	11	14	27	.6
29...	3.2	280	300	61	13	15	5.7	9.1	22	.5
JAN										
03...	--	--	--	46	11	11	4.4	7.6	24	.5
24...	--	--	--	55	10	14	4.8	7.9	22	.5
FEB										
27...	--	--	--	61	11	16	5.2	9.4	24	.5
MAR										
26...	--	--	--	31	10	8.1	2.5	6.5	30	.5
MAY										
21...	--	--	--	28	11	7.4	2.3	3.3	19	.3
JUL										
10...	--	--	--	160	13	39	16	20	21	.7
AUG										
27...	--	--	--	260	0	60	26	27	18	.7

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT										
03...	5.2	67	12	8.7	.1	10	102	109	.14	217
NOV										
08...	7.3	110	21	18	.2	12	196	181	.27	11.6
29...	8.9	48	15	15	.1	13	124	111	.17	335
JAN										
03...	4.4	35	16	8.9	.2	11	114	85	.16	271
24...	4.8	45	15	8.2	.1	11	113	94	.15	210
FEB										
27...	3.9	50	21	8.9	.2	8.2	117	104	.16	118
MAR										
26...	1.5	21	12	7.1	.3	8.5	109	60	.15	780
MAY										
21...	2.8	17	19	1.9	.1	8.7	74	57	.10	208
JUL										
10...	4.0	150	26	15	.5	16	244	227	.33	4.22
AUG										
27...	2.9	260	24	22	.2	22	368	340	.50	25.8

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT										
03...	.01	.00	.050	.000	.06	.00	1.1	1.1	1.1	.00
NOV										
08...	.40	.38	.130	.090	.16	.12	1.2	.75	1.3	.46
29...	.05	.08	.050	.030	.06	.04	1.1	.71	1.1	.36
JAN										
03...	.12	.12	.120	.060	.15	.08	1.6	1.2	1.7	.40
24...	.17	.17	.100	.070	.12	.09	.83	.89	.93	.00
FEB										
27...	.28	.28	.150	.120	.18	.15	1.1	.74	1.2	.34
MAR										
26...	.21	.21	.230	.040	.28	.05	1.5	1.3	1.7	.40
MAY										
21...	.39	.23	.250	.230	.30	.30	1.3	1.5	1.5	.00
JUL										
10...	.27	.15	.220	.160	.27	.21	1.5	1.3	1.7	.20
AUG										
27...	.28	.00	.000	.020	.00	.03	.69	.84	.69	.00

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)
OCT										
03...	1.1	1.1	1.1	4.9	.110	.34	.100	--	6.7	1.0
NOV										
08...	.84	1.7	1.2	7.5	.230	.71	.080	--	--	--
29...	.74	1.2	.82	5.1	.210	.64	.070	--	--	--
JAN										
03...	1.3	1.8	1.4	8.1	.200	.61	.060	13	--	--
24...	.96	1.1	1.1	4.9	.230	.71	.060	--	--	--
FEB										
27...	.86	1.5	1.1	6.6	.220	.67	.050	--	--	--
MAR										
26...	1.3	1.9	1.5	8.5	.220	.67	.080	--	--	--
MAY										
21...	1.7	1.9	1.9	8.4	.160	.49	.080	--	--	--
JUL										
10...	1.5	2.0	1.7	8.7	.290	.89	.110	12	--	--
AUG										
27...	.86	.97	.86	4.3	.200	.61	.100	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
03...	1400	2	0	2	100	20	80	0	0	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT										
03...	10	10	0	0	<3	5	3	2	1500	380

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT									
03...	12	9	3	410	230	180	.1	.0	.1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 03...	12	9	3	410	230	180	.1	.0	.1

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 03...	0	0	0	0	0	0	10	1	9

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)
OCT 03...	1400	.00	6	.00	.0	.0	23	.00	16	.00	10	.00

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39373)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39571)	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39399)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)
OCT 03...	23	.00	.0	.00	8.7	.00	.00	.6	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39531)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA-THION, TOTAL (UG/L) (39600)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI-THION, TOTAL (UG/L) (39790)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)
OCT 03...	.00	.2	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39541)	PER-THANE TOTAL (UG/L) (39034)	TOX-APHENE, TOTAL (UG/L) (39400)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 03...	.00	.00	.0	.00	0	0	.00	.0	.13	.14	.00

07047964 L'ANGUILLE RIVER AT MARIANNA, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1155	9827	9827	140	7.4	19.0	19.0	80	6.6	70
30...	1315	9827	9827	--	7.4	19.0	18.0	5	4.6	48
NOV										
27...	1105	9827	9827	114	7.0	16.0	10.0	200	8.1	72
FEB										
05...	1115	9827	9827	292	7.1	1.0	4.0	160	9.4	72
26...	1240	9827	9827	232	7.2	2.0	9.0	160	8.8	76
MAR										
25...	1250	9827	9827	62	7.5	10.0	12.0	240	8.2	76
APR										
22...	1235	9827	9827	75	6.7	28.0	19.0	150	6.1	65
MAY										
20...	1100	9827	9827	172	7.2	21.0	21.0	100	5.7	63
JUL										
01...	1240	9827	9827	--	7.4	35.0	29.0	150	4.6	59
22...	1250	9827	9827	--	7.2	29.0	26.0	60	4.2	51
AUG										
19...	1155	9827	9827	--	7.8	30.0	29.0	20	7.2	92
SEP										
16...	1155	9827	9827	654	7.9	34.0	26.0	--	6.8	83

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1155	2.5	230	55	12	5.2	6.0	4.0	54	11	6.0
30...	1315	3.2	96	--	--	--	--	--	--	13	31
NOV											
27...	1105	3.4	340	--	--	--	--	--	--	9.5	7.0
FEB											
05...	1115	2.7	<4	--	--	--	11	4.0	110	13	20
26...	1240	2.6	39	--	--	--	--	--	--	12	22
MAR											
25...	1250	3.6	36	--	--	--	--	--	--	5.5	11
APR											
22...	1235	2.7	--	41	6.1	3.4	2.4	4.0	23	3.5	16
MAY											
20...	1100	3.2	--	--	--	--	--	--	--	7.0	15
JUL											
01...	1240	3.1	4	--	--	--	--	--	--	20	21
22...	1250	--	--	--	24	8.7	54	--	150	46	23
AUG											
19...	1155	6.2	8	--	--	--	--	--	--	24	25
SEP											
16...	1155	3.5	--	--	--	--	--	--	--	37	19

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1155	102	26	.03	.010	.110	.170	<5	<10	<5
30...	1315	318	24	.12	<.010	.400	.150	--	<10	--
NOV										
27...	1105	138	46	.04	.030	.220	.380	--	<10	--
FEB										
05...	1115	237	80	.14	.040	.180	--	--	<10	20
26...	1240	215	64	.22	.050	.130	.390	--	<10	--
MAR										
25...	1250	220	62	.11	--	.240	.420	--	<10	--
APR										
22...	1235	205	47	.12	.170	.120	.300	10	<10	30
MAY										
20...	1100	239	162	.38	.080	.240	.550	--	<10	--
JUL										
01...	1240	212	117	.42	.070	.190	.350	--	<10	--
22...	1250	--	--	.11	.240	3.400	3.500	--	<10	--
AUG										
19...	1155	329	36	.28	.010	.040	.200	--	<10	--
SEP										
16...	1155	382	60	.19	.050	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1155	<20	1900	<10	65	20	.00	.00	.00	.00	.00
30...	1315	<20	980	--	2400	<10	--	--	--	--	--
NOV											
27...	1105	<20	4900	--	150	30	--	--	--	--	--
FEB											
05...	1115	<20	--	<10	530	20	--	--	--	--	--
26...	1240	<20	4800	--	270	20	.00	.00	.00	.00	.00
MAR											
25...	1250	<20	5800	--	120	20	--	--	--	--	--
APR											
22...	1235	<20	6300	<10	140	20	--	--	--	--	--
MAY											
20...	1100	<20	13000	--	430	20	--	--	--	--	--
JUL											
01...	1240	<20	3400	--	500	10	.00	.00	.00	.00	.00
22...	1250	20	--	20	--	--	.00	.00	.00	.00	.00
AUG											
19...	1155	<20	1800	--	400	<10	.00	.00	.00	.00	.00
SEP											
16...	1155	<20	1400	--	290	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1155	.00	.00	.00	.00	0	.00
FEB							
26...	1240	.00	.00	.00	.00	0	.00
JUL							
01...	1240	.00	.00	.00	.00	0	.00
22...	1250	.00	.00	.00	.00	0	.00
AUG							
19...	1155	.00	.00	.00	.00	0	.00
SEP							
16...	1155	.00	.00	.00	.00	0	.00

07047968 ST. FRANCIS RIVER NORTH OF HELENA, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1300	9827	9827	162	7.5	20.0	21.0	70	6.1	68	17
30...	1150	9827	9827	--	7.7	18.0	18.0	10	7.7	81	12
NOV											
27...	1250	9827	9827	144	7.3	18.0	11.0	150	6.9	62	35
FEB											
05...	1315	9827	9827	303	7.6	2.0	3.0	30	11.5	85	13
26...	1130	9827	9827	205	7.4	.0	8.0	150	10.2	86	16
MAR											
25...	1155	9827	9827	104	--	10.0	12.0	280	9.3	86	23
APR											
22...	1115	9827	9827	129	7.0	27.0	19.0	150	7.6	81	20
MAY											
20...	1155	9827	9827	296	7.7	23.0	21.0	75	6.0	67	--
JUL											
01...	1125	9827	9827	--	7.5	33.0	29.0	320	5.0	64	11
22...	1100	9827	9827	--	7.6	28.0	26.0	60	3.0	37	39
AUG											
19...	1300	9827	9827	--	8.1	35.0	30.0	15	9.4	124	12
SEP											
16...	1120	9827	9827	517	8.0	32.0	27.0	5	8.0	99	17

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1300	3.0	--	78	19	6.5	5.6	4.0	67	9.0	9.0
30...	1150	3.8	19	--	--	--	--	--	--	9.5	23
NOV											
27...	1250	3.6	--	--	--	--	--	--	--	7.5	9.0
FEB											
05...	1315	2.9	<4	--	--	--	8.1	3.0	140	8.0	16
26...	1130	--	26	--	--	--	--	--	--	7.5	17
MAR											
25...	1155	--	--	--	--	--	--	--	--	6.0	16
APR											
22...	1115	3.5	--	79	16	6.2	3.1	5.0	47	4.0	14
MAY											
20...	1155	3.5	--	--	--	--	--	--	--	7.5	13
JUL											
01...	1125	4.2	--	--	--	--	--	--	--	8.5	12
22...	1100	--	<4	--	41	14	9.0	--	150	11	16
AUG											
19...	1300	3.6	--	--	--	--	--	--	--	13	18
SEP											
16...	1120	4.5	4	--	--	--	--	--	--	16	15

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1300	131	38	.27	.040	.170	.50	.220	<5	<10	<5
30...	1150	251	28	.07	<.010	.090	.42	.160	--	--	--
NOV											
27...	1250	181	112	.45	.070	.340	1.4	.450	--	--	--
FEB											
05...	1315	208	--	.17	.020	.100	<.10	--	--	<10	20
26...	1130	184	76	.71	.080	.120	--	.280	--	--	--
MAR											
25...	1155	276	177	.40	--	.290	--	.530	--	--	--
APR											
22...	1115	226	117	.20	.210	.120	1.8	.330	13	<10	30
MAY											
20...	1155	218	112	.76	.070	.170	.90	.340	--	--	--
JUL											
01...	1125	206	157	.71	.180	.200	1.2	.380	--	--	--
22...	1100	--	--	.17	.050	.290	--	2.600	--	<10	--
AUG											
19...	1300	259	16	.01	<.010	.030	--	.120	--	--	--
SEP											
16...	1120	310	41	.09	.060	--	1.5	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1300	<20	2800	20	48	20	.00	.00	.00	.00	.00
FEB											
05...	1315	<20	--	<10	420	10	--	--	--	--	--
26...	1130	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	1115	<20	7100	<10	140	30	--	--	--	--	--
JUL											
01...	1125	--	--	--	--	--	.00	.00	.00	.00	.00
22...	1100	30	--	30	--	--	.00	.00	.00	.00	.00
AUG											
19...	1300	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	1120	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1300	.00	.00	.00	.00	0	.00
FEB							
26...	1130	.00	.00	.00	.00	0	.00
JUL							
01...	1125	.00	.00	.00	.00	0	.00
22...	1100	.00	.00	.00	.00	0	.00
AUG							
19...	1300	.00	.00	.00	.00	0	.00
SEP							
16...	1120	.00	.00	.00	.00	0	.00

07048000 WEST FORK WHITE RIVER AT GREENLAND, AR

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

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

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 107 ft^3/s (3.03 m^3/s), 17.49 in/yr (444 mm/yr), 77,500 acre-ft/yr (95.6 hm^3/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,850 ft^3/s (52.4 m^3/s) May 18, gage height, 5.06 ft (1.542 m); no peak above base of 3,000 ft^3/s (85 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	.65	9.0	18	9.5	15	198	31	36	7.3	.00	.00
2	.10	.90	7.5	17	9.5	14	143	43	31	4.3	.00	.00
3	.05	1.3	6.3	18	9.0	13	218	68	28	3.0	.00	.00
4	.10	3.5	5.9	16	8.3	13	159	52	25	2.4	.00	.00
5	.10	3.8	5.2	15	7.9	12	123	44	22	1.9	.00	.00
6	.10	3.5	4.4	14	7.7	12	99	40	19	1.5	.00	.00
7	.10	3.2	4.1	13	7.6	11	85	37	16	1.4	.00	.00
8	.05	4.8	3.8	12	9.8	11	74	34	14	1.4	.00	.00
9	.10	11	3.5	12	8.7	11	62	32	13	1.0	.00	.00
10	.10	16	3.5	11	8.5	10	54	29	11	.92	.00	.00
11	.10	14	3.2	10	8.5	10	49	27	9.4	.68	.00	.00
12	.10	11	3.5	9.8	8.0	12	44	25	8.2	.62	.00	.00
13	.10	9.9	3.2	9.0	8.5	13	40	23	7.2	.55	.00	.00
14	.10	8.5	3.0	8.9	12	13	39	21	6.5	.49	.00	.00
15	.10	7.5	3.0	8.5	42	14	37	20	5.5	.54	.00	.00
16	.15	6.3	2.7	8.5	42	15	34	168	7.0	.51	.00	.00
17	.15	6.7	2.7	8.0	35	148	37	116	11	.58	.00	.00
18	.15	5.5	3.2	8.0	31	77	40	820	11	.55	.00	.00
19	.10	5.2	3.0	8.2	29	57	36	461	13	.50	.00	.00
20	.15	5.9	3.0	8.5	27	54	34	216	54	.47	.00	.00
21	.10	97	3.2	8.7	25	78	33	307	144	.46	.00	.00
22	.35	85	5.5	8.7	23	62	31	556	54	.43	.00	.00
23	.20	47	7.1	9.0	22	168	30	337	41	.25	.00	.00
24	.20	33	51	9.4	20	575	29	220	28	.23	.00	.00
25	.20	26	59	9.6	19	261	29	143	23	.14	.00	.00
26	.20	21	44	10	18	158	33	99	19	.04	.00	.00
27	.20	16	37	9.6	16	110	37	74	17	.00	.00	.00
28	.20	14	31	9.6	16	106	34	58	14	.00	.00	.00
29	.20	11	26	9.5	15	242	32	49	11	.00	.00	.00
30	.40	10	24	9.7	---	634	31	47	8.2	.00	.00	.00
31	.40	---	21	9.5	---	302	---	42	---	.00	.00	---
TOTAL	4.75	489.15	392.5	336.7	503.5	3231	1924	4239	707.0	32.16	.00	.00
MEAN	.15	16.3	12.7	10.9	17.4	104	64.1	137	23.6	1.04	.000	.000
MAX	.40	97	59	18	42	634	218	820	144	7.3	.00	.00
MIN	.05	.65	2.7	8.0	7.6	10	29	20	5.5	.00	.00	.00
CFSM	.002	.20	.15	.13	.21	1.25	.77	1.65	.28	.01	.000	.000
IN.	.00	.22	.18	.15	.23	1.45	.86	1.90	.32	.01	.00	.00
AC-FT	9.4	970	779	668	999	6410	3820	8410	1400	64	.00	.00

CAL YR 1979 TOTAL 36752.04 MEAN 101 MAX 2510 MIN .05 CFSM 1.22 IN 16.45 AC-FT 72900
WTR YR 1980 TOTAL 11859.76 MEAN 32.4 MAX 820 MIN .00 CFSM .39 IN 5.31 AC-FT 23520

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
09...	0820	9827	9827	268	7.4	14.0	17.0	10	5.1	53
NOV										
06...	0825	9827	9827	259	7.2	7.5	10.0	60	5.7	50
DEC										
04...	0835	9827	9827	157	--	4.0	5.0	15	12.2	95
JAN										
08...	0835	9827	9827	167	7.4	-2.0	3.0	10	12.0	89
FEB										
05...	0835	9827	9827	172	7.5	2.0	4.0	10	12.7	97
MAR										
04...	0830	9827	9827	156	7.5	12.0	7.5	10	12.7	106
APR										
01...	0835	9827	9827	112	7.3	14.0	11.0	150	10.4	94
MAY										
06...	0750	9827	9827	143	7.6	13.0	17.0	15	7.5	77
JUN										
03...	0750	9827	9827	122	7.1	25.0	25.0	20	8.9	106
JUL										
08...	0905	9827	9827	--	7.9	28.0	28.0	20	12.0	152
29...	0745	9827	9827	--	7.7	28.0	24.0	40	4.5	53
AUG										
26...	0829	9827	9827	239	7.7	26.0	25.0	40	5.2	62
SEP										
23...	0705	9827	9827	264	7.6	19.0	20.0	5	3.1	34

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	0820	3.9	24	110	37	3.8	8.2	2.0	94	12	21
NOV											
06...	0825	2.7	360	--	--	--	--	--	--	8.5	39
DEC											
04...	0835	3.4	8	--	--	<8.0	--	--	--	6.5	14
JAN											
08...	0835	2.8	32	--	19	3.0	5.2	1.0	50	8.0	27
FEB											
05...	0835	--	<4	--	--	--	--	--	--	7.0	21
MAR											
04...	0830	1.1	<4	--	--	--	--	--	--	8.0	19
APR											
01...	0835	1.5	16	49	--	2.2	3.0	1.0	31	4.0	25
MAY											
06...	0750	4.1	56	--	--	--	--	--	--	4.5	17
JUN											
03...	0750	6.2	160	--	--	--	--	--	--	3.0	13
JUL											
08...	0905	10	16	--	26	3.6	6.0	2.0	86	26	13
29...	0745	2.4	120	--	--	--	--	--	--	10	13
AUG											
26...	0829	4.0	180	--	--	--	--	--	--	9.0	6.0
SEP											
23...	0705	2.7	100	--	--	--	--	--	--	13	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	0820	170	14	.03	.010	.110	.070	<5	<10	<5
NOV										
06...	0825	186	30	.43	.040	.150	.870	--	<10	--
DEC										
04...	0835	98	6	.29	.010	.020	.030	--	<10	--
JAN										
08...	0835	108	3	.25	.010	.120	.010	--	<10	--
FEB										
05...	0835	98	2	.10	<.010	.030	.010	--	<10	--
MAR										
04...	0830	74	4	.09	.020	.010	--	--	<10	--
APR										
01...	0835	90	26	.61	.020	.490	.060	<1	<10	3
MAY										
06...	0750	--	--	.06	.010	.020	.050	--	<10	--
JUN										
03...	0750	66	30	.17	.010	.090	.010	--	<10	--
JUL										
08...	0905	121	30	.09	.010	.140	.140	--	<10	--
29...	0745	116	24	.02	<.010	.120	.070	--	<10	--
AUG										
26...	0829	145	19	.01	<.010	.030	.080	--	<10	--
SEP										
23...	0705	154	49	.05	.010	.100	.100	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
09...	0820	<20	1200	<10	670	20
NOV						
06...	0825	<20	460	--	450	20
DEC						
04...	0835	<20	<30	--	--	30
JAN						
08...	0835	<20	230	20	40	<10
FEB						
05...	0835	<20	<30	--	68	<10
MAR						
04...	0830	<20	720	--	58	20
APR						
01...	0835	<20	1800	<10	42	<10
MAY						
06...	0750	30	1900	--	120	190
JUN						
03...	0750	<20	2000	--	50	10
JUL						
08...	0905	<20	710	<10	390	30
29...	0745	<20	420	--	540	230
AUG						
26...	0829	<20	520	--	420	<10
SEP						
23...	0705	<20	1100	--	530	<10

07048600 WHITE RIVER NEAR FAYETTEVILLE, AR

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

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

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 516 ft^3/s (14.6 m^3/s), 17.52 in/yr (445 mm/yr), 373,800 acre-ft/yr (461 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,400 ft^3/s (1,310 m^3/s) Nov. 25, 1973, gage height, 30.29 ft (9.232 m), from rating curve extended above 30,900 ft^3/s (875 m^3/s); minimum, 0.80 ft^3/s (0.020 m^3/s), Sept. 21, 22, 1980, gage height, 0.81 ft (0.241 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,190 ft^3/s (147 m^3/s) May 18, gage height, 10.79 ft (3.289 m), no peak above base of 8,000 ft^3/s (230 m^3/s); minimum, 0.80 ft^3/s (0.02 m^3/s) Sept. 21, 22, gage height, 0.81 ft (0.247 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	22	41	123	48	85	993	260	178	14	15	7.6
2	9.8	16	37	111	48	75	776	306	129	12	26	7.6
3	9.8	14	32	116	45	75	785	317	116	11	26	7.6
4	9.8	14	29	100	42	70	702	295	99	13	20	7.6
5	11	13	28	89	42	65	571	248	83	11	13	7.3
6	12	12	25	81	39	62	488	220	67	9.8	10	7.3
7	14	10	22	69	43	58	432	194	52	9.8	8.3	7.3
8	9.8	17	21	67	59	55	420	164	42	10	8.0	7.0
9	8.7	67	19	64	48	56	420	142	37	10	7.9	7.9
10	8.3	18	22	67	45	53	369	126	31	9.4	7.6	13
11	14	14	18	47	43	57	325	115	28	8.3	7.6	10
12	20	12	14	55	41	75	298	116	26	11	7.6	8.6
13	17	11	20	41	43	66	260	149	19	11	7.6	7.0
14	15	9.0	20	44	61	76	253	87	17	11	7.3	7.0
15	15	8.3	36	45	205	79	237	80	14	9.8	7.3	6.8
16	21	7.3	47	43	265	85	217	827	23	9.4	7.3	6.6
17	19	6.7	55	42	288	750	228	597	49	9.8	7.5	6.4
18	18	6.4	51	43	263	763	270	2750	41	9.8	7.8	15
19	17	6.7	48	54	241	549	255	1740	58	10	8.0	27
20	19	7.3	44	64	226	485	237	955	62	11	8.0	1.8
21	20	77	42	64	203	652	226	736	246	11	8.3	.83
22	24	149	48	59	181	513	215	1410	120	10	9.0	.98
23	27	66	52	60	154	750	203	1370	298	9.8	9.0	1.4
24	22	41	293	59	137	2340	200	1020	78	10	9.0	4.0
25	20	72	524	58	123	1310	200	728	47	9.9	9.0	6.9
26	20	100	389	56	117	925	275	541	33	9.4	9.0	8.2
27	20	78	303	54	105	710	322	426	27	6.9	9.0	6.0
28	20	63	244	54	99	715	309	345	19	6.1	8.9	31
29	20	52	205	54	92	1050	288	285	16	6.3	8.2	51
30	23	48	167	51	---	2780	267	237	15	7.4	7.9	2.8
31	77	---	137	51	---	1470	---	213	---	5.3	7.6	---
TOTAL	565.4	1037.7	3033	1985	3346	16854	11041	16999	2070	303.2	312.7	289.51
MEAN	18.2	34.6	97.8	64.0	115	544	368	548	69.0	9.78	10.1	9.65
MAX	77	149	524	123	288	2780	993	2750	298	14	26	51
MIN	4.2	6.4	14	41	39	53	200	80	14	5.3	7.3	.83
CFSM	.05	.09	.25	.16	.29	1.36	.92	1.37	.17	.02	.03	.02
IN.	.05	.10	.28	.18	.31	1.57	1.03	1.58	.19	.03	.03	.03
AC-FT	1120	2060	6020	3940	6640	33430	21900	33720	4110	601	620	574

CAL YR 1979 TOTAL 216618.50 MEAN 593 MAX 7510 MIN 1.4 CFSM 1.48 IN 20.15 AC-FT 429700
WTR YR 1980 TOTAL 57836.51 MEAN 158 MAX 2780 MIN .83 CFSM .40 IN 5.38 AC-FT 114700

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
16...	1010	1028	1028	.0	139	7.7	19.0	179	8.0
16...	1012	1028	1028	10.0	139	7.9	19.0	--	8.0
16...	1014	1028	1028	20.0	139	7.9	19.0	--	8.0
16...	1016	1028	1028	30.0	139	7.9	19.0	--	8.0
16...	1018	1028	1028	40.0	140	7.9	19.0	--	7.9
16...	1020	1028	1028	50.0	140	7.8	19.0	--	7.7
16...	1022	1028	1028	55.0	141	7.2	18.0	--	4.0
16...	1024	1028	1028	56.0	142	6.9	16.0	--	2.1
16...	1026	1028	1028	58.0	142	6.9	15.0	--	2.6
16...	1028	1028	1028	60.0	142	6.9	14.0	--	2.7
16...	1030	1028	1028	67.0	140	6.8	13.0	--	2.4
16...	1032	1028	1028	70.0	140	6.8	12.5	--	2.5
16...	1034	1028	1028	80.0	140	6.8	11.5	--	3.2
16...	1036	1028	1028	90.0	140	6.8	10.5	--	3.8
16...	1038	1028	1028	100	140	6.8	9.5	--	4.5
16...	1040	1028	1028	110	142	6.8	9.0	--	4.5
16...	1042	1028	1028	120	142	6.8	8.5	--	4.2
16...	1044	1028	1028	130	144	6.8	8.0	--	3.5
16...	1046	1028	1028	140	146	6.8	7.5	--	2.5
16...	1048	1028	1028	150	147	6.8	7.0	--	1.9
16...	1050	1028	1028	160	148	6.8	7.0	--	1.3
16...	1052	1028	1028	170	148	6.8	7.0	--	.9
16...	1054	1028	1028	180	150	6.8	7.0	--	.5
16...	1055	1028	1028	190	156	6.8	7.0	--	.0
NOV									
06...	1020	1028	1028	.0	138	8.1	16.0	163	8.3
06...	1022	1028	1028	10.0	137	8.0	16.0	--	8.3
06...	1024	1028	1028	20.0	137	7.9	16.0	--	8.2
06...	1026	1028	1028	30.0	137	7.9	16.0	--	8.2
06...	1028	1028	1028	40.0	137	7.9	16.0	--	8.2
06...	1030	1028	1028	50.0	137	7.8	16.0	--	8.2
06...	1032	1028	1028	60.0	137	7.8	16.0	--	8.2
06...	1034	1028	1028	64.0	137	7.2	15.0	--	4.5
06...	1036	1028	1028	65.0	137	6.9	13.0	--	1.6
06...	1038	1028	1028	70.0	137	6.7	12.0	--	1.8
06...	1040	1028	1028	80.0	137	6.6	11.0	--	2.5
06...	1042	1028	1028	90.0	139	6.6	10.0	--	3.1
06...	1044	1028	1028	100	139	6.6	9.5	--	3.8
06...	1046	1028	1028	110	140	6.6	9.0	--	4.0
06...	1048	1028	1028	120	141	6.6	8.5	--	3.4
06...	1050	1028	1028	130	142	6.5	8.0	--	2.7
06...	1052	1028	1028	140	143	6.5	7.5	--	2.1
06...	1054	1028	1028	150	144	6.5	7.5	--	1.5
06...	1056	1028	1028	160	144	6.5	7.0	--	1.2
06...	1057	1028	1028	170	145	6.5	7.0	--	.7
06...	1058	1028	1028	180	147	6.5	7.0	--	.3
06...	1100	1028	1028	184	149	6.6	7.0	--	.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
05...	1450	1028	1028	.0	180	146	7.7	10.5	--	--
05...	1452	1028	1028	10.0	--	146	7.7	10.5	--	--
05...	1455	1028	1028	20.0	--	146	7.7	10.5	--	--
05...	1500	1028	1028	25.0	180	146	7.7	10.5	0	.60
05...	1503	1028	1028	30.0	--	147	7.7	10.5	--	--
05...	1506	1028	1028	40.0	--	147	7.7	10.5	--	--
05...	1509	1028	1028	50.0	--	147	7.7	10.5	--	--
05...	1512	1028	1028	60.0	--	147	7.7	10.5	--	--
05...	1515	1028	1028	70.0	--	147	7.7	10.5	--	--
05...	1520	1028	1028	80.0	--	147	7.7	10.5	--	--
05...	1530	1028	1028	90.0	--	147	7.7	10.5	--	--
05...	1545	1028	1028	100	180	147	7.8	10.5	5	.70
05...	1546	1028	1028	110	--	149	--	9.5	--	--
05...	1548	1028	1028	120	--	149	--	8.5	--	--
05...	1550	1028	1028	130	--	150	--	8.5	--	--
05...	1552	1028	1028	140	--	152	--	8.0	--	--
05...	1554	1028	1028	150	--	153	--	7.5	--	--
05...	1556	1028	1028	160	--	153	--	7.0	--	--
05...	1558	1028	1028	170	--	156	--	7.0	--	--
05...	1600	1028	1028	180	--	158	--	6.5	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
05...	157	9.0	--	0	--	--	--	--	--	--
05...	--	9.0	--	--	--	--	--	--	--	--
05...	--	8.9	--	--	--	--	--	--	--	--
05...	--	8.9	1.1	--	65	8	22	55	2.4	1.3
05...	--	8.9	--	--	--	--	--	--	--	--
05...	--	8.9	--	--	--	--	--	--	--	--
05...	--	8.9	--	--	--	--	--	--	--	--
05...	--	8.9	--	--	--	--	--	--	--	--
05...	--	9.0	--	--	--	--	--	--	--	--
05...	--	9.0	--	--	--	--	--	--	--	--
05...	--	9.0	--	--	--	--	--	--	--	--
05...	--	8.9	1.0	--	65	8	22	55	2.4	1.4
05...	--	3.0	--	--	--	--	--	--	--	--
05...	--	2.8	--	--	--	--	--	--	--	--
05...	--	2.6	--	--	--	--	--	--	--	--
05...	--	1.5	--	--	--	--	--	--	--	--
05...	--	1.0	--	--	--	--	--	--	--	--
05...	--	1.0	--	--	--	--	--	--	--	--
05...	--	.3	--	--	--	--	--	--	--	--
05...	--	.3	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	57	4.8	3.1	.18	.000	.44	.44	.62	2.7	.010
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	57	5.2	3.0	.16	.000	.66	.66	.82	3.6	.010
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	.000	50	0	0	0	80	20	3.8	0	70
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	.000	110	0	0	7	80	20	.0	0	10
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
08...	1550	1028	1028	.0	148	7.4	7.5	100	9.0
08...	1552	1028	1028	10.0	150	7.4	7.5	--	8.9
08...	1554	1028	1028	20.0	150	7.4	7.5	--	8.8
08...	1556	1028	1028	30.0	150	7.4	7.5	--	8.8
08...	1558	1028	1028	40.0	151	7.4	7.5	--	8.8
08...	1600	1028	1028	50.0	152	7.3	7.5	--	8.8
08...	1602	1028	1028	60.0	152	7.3	7.5	--	8.8
08...	1604	1028	1028	70.0	151	7.3	7.5	--	8.8
08...	1606	1028	1028	80.0	151	7.3	7.5	--	8.8
08...	1608	1028	1028	90.0	151	7.3	7.5	--	8.8
08...	1610	1028	1028	100	151	7.3	7.5	--	8.7
08...	1612	1028	1028	110	151	7.2	7.5	--	8.6
08...	1614	1028	1028	120	151	7.2	7.5	--	8.4
08...	1616	1028	1028	130	151	7.2	7.5	--	7.6
08...	1618	1028	1028	140	152	7.1	7.5	--	6.4
08...	1622	1028	1028	160	159	6.7	7.5	--	.0
08...	1624	1028	1028	170	162	6.7	7.5	--	.0
08...	1625	1028	1028	180	164	6.7	7.0	--	.0
FEB									
14...	1500	1028	1028	.0	146	7.7	6.0	125	10.2
14...	1502	1028	1028	10.0	146	7.7	6.0	--	10.4
14...	1504	1028	1028	20.0	146	7.7	5.5	--	10.4
14...	1506	1028	1028	30.0	146	7.7	5.5	--	10.3
14...	1508	1028	1028	40.0	146	7.7	5.5	--	10.2
14...	1510	1028	1028	50.0	146	7.7	5.5	--	10.2
14...	1512	1028	1028	60.0	146	7.7	5.5	--	10.2
14...	1514	1028	1028	70.0	146	7.7	5.5	--	10.2
14...	1516	1028	1028	80.0	147	7.7	5.5	--	10.2
14...	1518	1028	1028	90.0	147	7.7	5.5	--	10.2
14...	1520	1028	1028	100	147	7.7	5.5	--	10.2
14...	1522	1028	1028	110	147	7.7	5.5	--	10.2
14...	1524	1028	1028	120	147	7.7	5.5	--	10.2
14...	1526	1028	1028	130	147	7.7	5.5	--	10.2
14...	1528	1028	1028	140	147	7.7	5.5	--	10.3
14...	1530	1028	1028	150	147	7.7	5.5	--	10.3
14...	1532	1028	1028	160	147	7.7	5.5	--	10.4
14...	1534	1028	1028	170	147	7.7	5.5	--	10.4
14...	1535	1028	1028	180	147	7.7	5.5	--	10.4

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAR									
12...	1430	1028	1028	.0	140	7.8	6.0	132	11.3
12...	1432	1028	1028	10.0	140	7.8	6.0	--	11.3
12...	1434	1028	1028	20.0	140	7.7	6.0	--	11.2
12...	1436	1028	1028	30.0	140	7.7	6.0	--	11.2
12...	1438	1028	1028	40.0	140	7.7	6.0	--	11.2
12...	1440	1028	1028	50.0	141	7.7	5.5	--	11.2
12...	1442	1028	1028	60.0	141	7.7	5.5	--	11.2
12...	1444	1028	1028	70.0	141	7.7	5.5	--	11.1
12...	1446	1028	1028	80.0	141	7.7	5.5	--	11.0
12...	1448	1028	1028	90.0	141	7.6	5.5	--	11.0
12...	1450	1028	1028	100	141	7.6	5.5	--	10.9
12...	1452	1028	1028	110	141	7.6	5.5	--	10.9
12...	1454	1028	1028	120	141	7.6	5.5	--	10.9
12...	1456	1028	1028	130	141	7.6	5.5	--	10.8
12...	1458	1028	1028	140	141	7.6	5.5	--	10.8
12...	1500	1028	1028	150	141	7.6	5.5	--	10.8
12...	1502	1028	1028	160	141	7.6	5.5	--	10.7
12...	1504	1028	1028	170	141	7.5	5.5	--	10.6
12...	1505	1028	1028	177	141	7.5	5.5	--	10.5
APR									
08...	1530	1028	1028	.0	137	8.1	10.5	254	10.8
08...	1532	1028	1028	10.0	137	8.1	10.5	--	10.8
08...	1534	1028	1028	20.0	137	8.1	10.5	--	10.8
08...	1536	1028	1028	30.0	137	8.1	10.5	--	10.8
08...	1538	1028	1028	40.0	137	8.1	10.5	--	10.8
08...	1540	1028	1028	50.0	138	8.1	10.5	--	10.8
08...	1542	1028	1028	60.0	138	8.1	10.5	--	10.8
08...	1544	1028	1028	70.0	138	8.0	9.5	--	10.9
08...	1546	1028	1028	73.0	138	8.0	8.5	--	10.9
08...	1548	1028	1028	80.0	138	7.9	7.5	--	10.9
08...	1550	1028	1028	90.0	138	7.8	6.5	--	10.8
08...	1552	1028	1028	100	138	7.8	6.0	--	10.7
08...	1554	1028	1028	110	138	7.8	6.0	--	10.7
08...	1556	1028	1028	120	138	7.7	6.0	--	10.6
08...	1558	1028	1028	130	138	7.7	5.5	--	10.5
08...	1600	1028	1028	140	139	7.7	5.5	--	10.4
08...	1602	1028	1028	150	139	7.7	5.5	--	10.3
08...	1604	1028	1028	160	139	7.6	5.5	--	10.1
08...	1605	1028	1028	170	139	7.6	5.5	--	10.1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
MAY										
07...	1615	1028	1028	.0	195	144	8.2	17.5	--	--
07...	1618	1028	1028	10.0	--	144	8.2	17.5	--	--
07...	1621	1028	1028	11.0	--	142	8.3	15.0	--	--
07...	1624	1028	1028	12.0	--	142	8.3	14.0	--	--
07...	1626	1028	1028	15.0	--	141	8.3	13.0	--	--
07...	1628	1028	1028	20.0	--	141	8.3	12.0	--	--
07...	1630	1028	1028	25.0	195	141	8.1	11.0	0	.80
07...	1632	1028	1028	30.0	--	142	8.0	10.0	--	--
07...	1634	1028	1028	40.0	--	142	7.9	9.5	--	--
07...	1636	1028	1028	50.0	--	142	7.8	9.5	--	--
07...	1640	1028	1028	60.0	--	142	7.7	8.5	--	--
07...	1642	1028	1028	70.0	--	142	7.6	8.0	--	--
07...	1646	1028	1028	80.0	--	142	7.6	7.0	--	--
07...	1648	1028	1028	90.0	--	142	7.5	6.5	--	--
07...	1650	1028	1028	100	195	142	7.5	6.5	0	.30
07...	1652	1028	1028	110	--	142	7.5	6.0	--	--
07...	1654	1028	1028	120	--	142	7.5	6.0	--	--
07...	1656	1028	1028	130	--	142	7.5	6.0	--	--
07...	1658	1028	1028	140	--	142	7.4	6.0	--	--
07...	1700	1028	1028	150	--	142	7.4	6.0	--	--
07...	1703	1028	1028	160	--	142	7.4	6.0	--	--
07...	1704	1028	1028	170	--	143	7.4	5.5	--	--
07...	1708	1028	1028	180	--	143	7.4	5.5	--	--
07...	1710	1028	1028	190	--	143	7.4	5.5	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
MAY										
07...	246	9.6	--	0	--	--	--	--	--	--
07...	--	9.6	--	--	--	--	--	--	--	--
07...	--	10.4	--	--	--	--	--	--	--	--
07...	--	10.7	--	--	--	--	--	--	--	--
07...	--	11.1	--	--	--	--	--	--	--	--
07...	--	11.0	--	--	--	--	--	--	--	--
07...	--	10.8	2.0	--	61	8	21	52	2.0	.9
07...	--	10.6	--	--	--	--	--	--	--	--
07...	--	10.5	--	--	--	--	--	--	--	--
07...	--	10.3	--	--	--	--	--	--	--	--
07...	--	10.2	--	--	--	--	--	--	--	--
07...	--	10.0	--	--	--	--	--	--	--	--
07...	--	9.9	--	--	--	--	--	--	--	--
07...	--	9.8	--	--	--	--	--	--	--	--
07...	--	9.8	1.7	--	64	11	22	55	2.1	.9
07...	--	9.8	--	--	--	--	--	--	--	--
07...	--	9.8	--	--	--	--	--	--	--	--
07...	--	9.7	--	--	--	--	--	--	--	--
07...	--	9.6	--	--	--	--	--	--	--	--
07...	--	9.6	--	--	--	--	--	--	--	--
07...	--	9.5	--	--	--	--	--	--	--	--
07...	--	9.3	--	--	--	--	--	--	--	--
07...	--	9.3	--	--	--	--	--	--	--	--
07...	--	9.2	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	53	4.5	2.7	.19	.080	.32	.40	.59	2.6	.010
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
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07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	53	9.6	2.7	.23	.040	.22	.26	.49	2.2	.010
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
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07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY										
07...	--	--	--	--	--	--	--	--	--	--
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07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	.010	50	0	0	3	80	0	.0	5	0
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
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07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	.050	40	0	0	2	60	0	.0	2	20
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
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07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
19...	1510	1028	1028	.0	149	8.2	26.0	186	7.6
19...	1512	1028	1028	10.0	148	8.2	25.0	--	7.6
19...	1514	1028	1028	20.0	148	8.2	24.5	--	7.6
19...	1516	1028	1028	29.0	148	8.2	23.5	--	7.6
19...	1518	1028	1028	30.0	148	8.2	22.0	--	8.7
19...	1520	1028	1028	31.0	148	8.2	20.0	--	9.3
19...	1522	1028	1028	32.0	148	8.3	18.5	--	9.8
19...	1524	1028	1028	33.0	148	8.3	17.5	--	10.0
19...	1526	1028	1028	34.0	148	8.3	16.5	--	10.4
19...	1528	1028	1028	35.0	148	8.3	15.0	--	10.8
19...	1530	1028	1028	36.0	148	8.3	14.0	--	11.0
19...	1532	1028	1028	37.0	147	8.3	13.0	--	10.9
19...	1534	1028	1028	40.0	147	8.2	12.5	--	10.9
19...	1536	1028	1028	43.0	147	8.2	11.5	--	10.9
19...	1538	1028	1028	50.0	148	8.0	10.5	--	10.2
19...	1540	1028	1028	60.0	148	7.7	9.5	--	9.4
19...	1542	1028	1028	70.0	149	7.6	9.0	--	8.9
19...	1544	1028	1028	80.0	149	7.5	8.5	--	8.4
19...	1546	1028	1028	90.0	149	7.4	7.5	--	8.2
19...	1548	1028	1028	100	149	7.4	7.0	--	8.2
19...	1550	1028	1028	110	149	7.4	6.5	--	8.2
19...	1552	1028	1028	120	149	7.4	6.5	--	8.2
19...	1554	1028	1028	130	148	7.3	6.0	--	8.1
19...	1556	1028	1028	140	148	7.3	6.0	--	8.1
19...	1558	1028	1028	150	148	7.3	6.0	--	8.1
19...	1600	1028	1028	160	148	7.3	6.0	--	8.0
19...	1602	1028	1028	170	149	7.3	6.0	--	7.7
19...	1603	1028	1028	180	150	7.3	6.0	--	7.4
19...	1604	1028	1028	190	150	7.2	6.0	--	6.9
19...	1605	1028	1028	194	151	7.2	6.0	--	5.8
JUL									
16...	1110	1028	1028	.0	142	8.5	30.5	252	6.7
16...	1112	1028	1028	10.0	142	8.5	30.5	--	6.7
16...	1114	1028	1028	20.0	142	8.4	30.0	--	6.7
16...	1116	1028	1028	26.0	142	8.4	30.0	--	6.7
16...	1118	1028	1028	27.0	142	8.5	27.5	--	8.4
16...	1120	1028	1028	28.0	140	8.6	26.0	--	8.9
16...	1122	1028	1028	29.0	139	8.7	24.0	--	9.5
16...	1124	1028	1028	30.0	139	8.7	23.0	--	10.0
16...	1126	1028	1028	31.0	139	8.7	21.5	--	10.4
16...	1128	1028	1028	32.0	138	8.7	20.0	--	10.6
16...	1130	1028	1028	33.0	138	8.7	19.0	--	10.7
16...	1132	1028	1028	34.0	138	8.7	18.0	--	11.0
16...	1134	1028	1028	35.0	138	8.7	17.0	--	11.0
16...	1136	1028	1028	36.0	138	8.7	16.0	--	11.1
16...	1138	1028	1028	38.0	138	8.7	15.0	--	11.2
16...	1140	1028	1028	39.0	138	8.7	14.0	--	11.4
16...	1142	1028	1028	40.0	138	8.6	13.5	--	11.3
16...	1144	1028	1028	43.0	138	8.5	12.5	--	11.0
16...	1146	1028	1028	46.0	138	8.3	11.5	--	10.7
16...	1148	1028	1028	50.0	138	8.0	10.5	--	9.9
16...	1150	1028	1028	60.0	139	7.8	9.5	--	8.8
16...	1152	1028	1028	70.0	139	7.6	9.0	--	8.2
16...	1154	1028	1028	80.0	139	7.6	8.5	--	7.7
16...	1156	1028	1028	90.0	139	7.5	7.5	--	7.4
16...	1158	1028	1028	100	139	7.5	7.0	--	7.3
16...	1200	1028	1028	110	138	7.5	6.5	--	7.3
16...	1202	1028	1028	120	138	7.5	6.5	--	7.3
16...	1204	1028	1028	130	139	7.4	6.5	--	7.1
16...	1206	1028	1028	140	139	7.4	6.0	--	7.0
16...	1208	1028	1028	150	140	7.4	6.0	--	6.8
16...	1210	1028	1028	160	140	7.4	6.0	--	6.8
16...	1212	1028	1028	170	140	7.4	6.0	--	6.5
16...	1214	1028	1028	180	142	7.3	6.0	--	6.1
16...	1215	1028	1028	187	144	7.3	6.0	--	5.5

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG										
13...	1430	1028	1028	.0	190	147	8.5	29.0	--	--
13...	1440	1028	1028	10.0	--	147	8.4	28.5	--	--
13...	1445	1028	1028	20.0	--	147	8.4	28.5	--	--
13...	1450	1028	1028	25.0	190	148	8.4	28.0	0	.80
13...	1451	1028	1028	28.0	--	148	8.3	27.0	--	--
13...	1452	1028	1028	29.0	--	147	8.3	26.0	--	--
13...	1453	1028	1028	30.0	--	145	8.4	25.0	--	--
13...	1454	1028	1028	31.0	--	143	8.5	23.0	--	--
13...	1455	1028	1028	32.0	--	143	8.5	22.0	--	--
13...	1456	1028	1028	33.0	--	142	8.6	21.0	--	--
13...	1457	1028	1028	34.0	--	141	8.6	20.0	--	--
13...	1458	1028	1028	35.0	--	140	8.6	19.0	--	--
13...	1459	1028	1028	36.0	--	140	8.6	18.0	--	--
13...	1500	1028	1028	38.0	--	140	8.7	17.0	--	--
13...	1501	1028	1028	39.0	--	140	8.7	15.0	--	--
13...	1502	1028	1028	40.0	--	141	8.6	14.5	--	--
13...	1503	1028	1028	43.0	--	141	8.3	13.5	--	--
13...	1504	1028	1028	46.0	--	141	8.1	12.5	--	--
13...	1505	1028	1028	50.0	--	141	7.9	11.5	--	--
13...	1506	1028	1028	60.0	--	141	7.7	10.5	--	--
13...	1507	1028	1028	70.0	--	141	7.6	9.5	--	--
13...	1508	1028	1028	80.0	--	141	7.6	9.0	--	--
13...	1509	1028	1028	90.0	--	141	7.5	8.5	--	--
13...	1510	1028	1028	100	190	141	7.5	8.5	0	.60
13...	1512	1028	1028	110	--	140	7.4	7.0	--	--
13...	1514	1028	1028	120	--	140	7.4	7.0	--	--
13...	1516	1028	1028	130	--	140	7.4	6.5	--	--
13...	1520	1028	1028	140	--	140	7.4	6.5	--	--
13...	1522	1028	1028	150	--	141	7.4	6.5	--	--
13...	1524	1028	1028	160	--	141	7.4	6.5	--	--
13...	1526	1028	1028	170	--	146	7.3	6.5	--	--
13...	1528	1028	1028	180	--	150	7.3	6.5	--	--
13...	1530	1028	1028	190	--	158	7.3	6.0	--	--

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG										
13...	108	7.4	--	K350	--	--	--	--	--	--
13...	--	7.4	--	--	--	--	--	--	--	--
13...	--	7.4	--	--	--	--	--	--	--	--
13...	--	7.3	.2	--	75	19	26	65	2.4	1.5
13...	--	7.3	--	--	--	--	--	--	--	--
13...	--	7.7	--	--	--	--	--	--	--	--
13...	--	8.5	--	--	--	--	--	--	--	--
13...	--	10.1	--	--	--	--	--	--	--	--
13...	--	10.6	--	--	--	--	--	--	--	--
13...	--	11.1	--	--	--	--	--	--	--	--
13...	--	11.6	--	--	--	--	--	--	--	--
13...	--	11.8	--	--	--	--	--	--	--	--
13...	--	12.0	--	--	--	--	--	--	--	--
13...	--	12.5	--	--	--	--	--	--	--	--
13...	--	12.1	--	--	--	--	--	--	--	--
13...	--	11.9	--	--	--	--	--	--	--	--
13...	--	11.0	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	9.4	--	--	--	--	--	--	--	--
13...	--	8.4	--	--	--	--	--	--	--	--
13...	--	8.0	--	--	--	--	--	--	--	--
13...	--	7.8	--	--	--	--	--	--	--	--
13...	--	6.9	--	--	--	--	--	--	--	--
13...	--	6.8	.0	--	72	19	25	62	2.2	1.4
13...	--	6.6	--	--	--	--	--	--	--	--
13...	--	6.5	--	--	--	--	--	--	--	--
13...	--	6.4	--	--	--	--	--	--	--	--
13...	--	6.4	--	--	--	--	--	--	--	--
13...	--	6.2	--	--	--	--	--	--	--	--
13...	--	5.7	--	--	--	--	--	--	--	--
13...	--	3.9	--	--	--	--	--	--	--	--
13...	--	2.5	--	--	--	--	--	--	--	--
13...	--	1.9	--	--	--	--	--	--	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	56	6.2	3.5	.00	.000	.65	.65	.65	2.9	.030
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
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13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	53	6.2	3.3	.32	.000	1.0	1.0	1.3	5.8	.020
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
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13...	--	--	--	--	--	--	--	--	--	--

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	240	1	10	5	80	10	.1	2	40
13...	--	--	--	--	--	--	--	--	--	--
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13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	120	0	10	4	60	10	.0	3	10
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP									
16...	1625	1028	1028	.0	150	8.4	26.0	180	7.6
16...	1626	1028	1028	10.0	150	8.4	26.0	--	7.6
16...	1628	1028	1028	20.0	150	8.3	26.0	--	7.5
16...	1630	1028	1028	30.0	150	8.3	26.0	--	7.5
16...	1632	1028	1028	39.0	150	8.3	25.5	--	7.7
16...	1634	1028	1028	40.0	142	8.6	19.5	--	11.0
16...	1636	1028	1028	41.0	142	8.6	18.5	--	11.2
16...	1638	1028	1028	43.0	142	8.6	17.5	--	11.6
16...	1640	1028	1028	44.0	142	8.5	16.0	--	11.6
16...	1642	1028	1028	45.0	141	8.5	15.0	--	11.6
16...	1644	1028	1028	47.0	141	8.3	14.0	--	10.8
16...	1646	1028	1028	50.0	141	7.8	13.0	--	8.8
16...	1648	1028	1028	52.0	141	7.6	12.0	--	8.2
16...	1650	1028	1028	55.0	141	7.6	11.0	--	7.6
16...	1652	1028	1028	60.0	141	7.5	10.0	--	7.0
16...	1654	1028	1028	70.0	141	7.4	9.5	--	6.4
16...	1656	1028	1028	80.0	141	7.4	9.0	--	6.1
16...	1658	1028	1028	90.0	140	7.3	8.5	--	5.8
16...	1700	1028	1028	100	140	7.3	7.5	--	5.4
16...	1702	1028	1028	110	140	7.3	7.0	--	5.2
16...	1704	1028	1028	120	140	7.2	6.5	--	5.0
16...	1706	1028	1028	130	140	7.2	6.5	--	4.8
16...	1708	1028	1028	140	140	7.2	6.0	--	4.6
16...	1710	1028	1028	150	141	7.2	6.0	--	4.4
16...	1712	1028	1028	160	142	7.2	6.0	--	4.1
16...	1714	1028	1028	170	144	7.2	6.0	--	3.4
16...	1715	1028	1028	179	149	7.1	6.0	--	2.0

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
OCT										
16...	0935	1028	1028	142	6.8	8.5	--	--	8.9	--
NOV										
06...	0930	1028	1028	145	7.1	7.5	--	--	8.2	--
DEC										
05...	1350	1028	1028	145	7.2	10.0	0	.60	8.9	1.3
JAN										
08...	1440	1028	1028	186	7.2	8.0	--	--	10.8	--
FEB										
14...	1420	1028	1028	154	7.5	7.0	--	--	10.7	--
MAR										
12...	1345	1028	1028	140	7.7	5.5	--	--	11.3	--
APR										
08...	1500	1028	1028	134	7.9	8.5	--	--	12.1	--
MAY										
07...	1530	1028	1028	140	7.8	9.5	0	.60	10.6	1.9
JUN										
19...	1405	1028	1028	157	7.8	11.0	--	--	10.2	--
JUL										
16...	1030	1028	1028	132	7.7	8.5	--	--	9.6	--
AUG										
13...	1350	1028	1028	140	7.5	9.0	0	1.5	7.8	.9
SEP										
16...	1600	1028	1028	131	7.4	9.5	--	--	6.6	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
05...	0	76	15	25	62	3.2	1.4	61	5.4	3.2
MAY										
07...	0	68	15	23	58	2.5	.9	53	5.3	3.1
AUG										
13...	6	76	22	27	68	2.2	1.5	54	6.9	3.6

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
05...	.40	.000	1.2	1.2	1.6	7.1	.000	.000	70
MAY									
07...	.20	.080	.28	.36	.56	2.5	.010	.010	20
AUG									
13...	.31	.000	1.1	1.1	1.4	6.2	.060	.000	310

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

WATER QUALTIY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT									
16...	--	--	--	--	--	--	--	--	--
NOV									
06...	--	--	--	--	--	--	--	--	--
DEC									
05...	0	0	7	60	5	80	.1	14	10
JAN									
08...	--	--	--	--	--	--	--	--	--
FEB									
14...	--	--	--	--	--	--	--	--	--
MAR									
12...	--	--	--	--	--	--	--	--	--
APR									
08...	--	--	--	--	--	--	--	--	--
MAY									
07...	0	0	3	20	3	10	.0	4	10
JUN									
19...	--	--	--	--	--	--	--	--	--
JUL									
16...	--	--	--	--	--	--	--	--	--
AUG									
13...	1	10	5	160	2	80	.0	2	20
SEP									
16...	--	--	--	--	--	--	--	--	--

07049695 WHITE RIVER ABOVE BUSCH, AR

LOCATION.--Lat 36°26'32", long 93°50'13", temperature recorder on left bank 1.5 mi (2.4 km) south of Busch, Carroll County, Hydrologic Unit 11010001, 100 ft (30 m) upstream from Spider Creek, and 3.4 mi (5.5 km) downstream from Beaver Dam.

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

PERIOD OF RECORD.--October 1968 to August 1969, May 1972 to September 1976, October 1977 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1968 to August 1969, May 1972 to September 1976, October 1977 to current year.

INSTRUMENTATION.--Temperature recorder since May 1972.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 29.0°C Aug. 18, 1975; minimum daily, -1.0°C Nov. 7, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 26.5°C Jun. 19; minimum daily, -1.0°C Nov. 7, 1979.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	18.0	9.0	---	---							---	---
2	14.0	7.0	---	---							---	---
3	14.5	7.0	---	---							---	---
4	12.0	9.0	---	---							---	---
5	11.5	7.0	8.0	1.5							---	---
6	16.0	9.0	6.0	.5							---	---
7	17.0	7.0	6.5	-1.0							---	---
8	14.5	6.5	6.0	5.0							---	---
9	10.5	4.0	7.0	5.0							---	---
10	11.5	6.5	5.0	2.0							---	---
11	11.5	5.5	4.5	.5							---	---
12	10.5	7.0	6.0	.5							---	---
13	10.5	5.0	---	---							---	---
14	11.5	7.0	---	---							---	---
15	10.5	8.5	---	---							---	---
16	---	---	---	---							---	---
17	---	---	---	---							---	---
18	---	---	---	---							---	---
19	---	---	---	---							10.0	4.5
20	20.0	14.0	---	---							8.0	4.5
21	19.5	15.0	---	---							9.0	4.5
22	16.5	5.5	---	---							10.5	6.0
23	13.5	2.0	---	---							9.5	7.0
24	14.0	3.0	---	---							7.0	4.5
25	14.5	3.5	---	---							7.0	4.5
26	16.0	2.0	---	---							8.0	5.0
27	---	---	---	---							8.0	4.5
28	---	---	---	---							8.0	5.0
29	---	---	---	---							9.0	7.0
30	---	---	---	---							7.0	6.5
31	---	---	---	---							7.0	5.0
MONTH	20.0	2.0	8.0	-1.0							10.5	4.5

07049695 WHITE RIVER ABOVE BUSCH, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.5	6.5	12.0	9.0	17.0	8.0	20.0	6.5	14.0	7.0		
2	13.5	9.0	11.0	7.0	19.0	6.5	21.0	6.5	14.0	7.0		
3	14.0	10.0	12.0	6.5	18.0	7.0	---	---	16.0	6.5		
4	11.5	9.5	12.0	6.5	21.0	5.5	15.5	6.5	20.5	8.0		
5	10.5	8.0	13.5	6.5	18.5	6.0	21.0	7.0	18.0	7.0		
6	11.5	9.0	15.5	6.5	18.0	5.5	23.0	7.0	18.0	6.5		
7	12.0	9.5	---	---	14.0	6.0	21.0	6.0	13.0	7.0		
8	11.5	9.0	---	---	19.5	11.5	13.5	6.0	14.0	7.0		
9	10.5	7.0	---	---	21.0	7.0	13.5	6.0	18.0	7.0		
10	12.0	7.0	---	---	20.5	6.5	14.0	6.0	19.5	8.0		
11	11.0	8.5	---	---	23.0	9.0	14.5	6.0	25.0	7.0		
12	10.0	6.5	---	---	20.0	9.0	16.0	6.0	23.0	7.0		
13	7.0	4.5	---	---	24.5	9.5	18.5	6.0	23.0	7.0		
14	5.0	3.5	16.0	8.5	21.0	10.0	16.5	6.0	24.0	7.0		
15	11.0	4.0	12.0	9.5	22.0	9.5	14.0	6.0	24.0	7.0		
16	14.5	4.0	12.0	9.0	21.0	8.0	19.0	6.0	24.0	7.0		
17	18.0	9.0	20.0	11.0	15.0	7.0	18.5	6.5	25.5	8.0		
18	14.5	8.0	14.0	10.5	13.5	9.0	18.0	6.5	25.0	7.0		
19	18.5	6.0	15.0	10.0	26.5	7.0	20.0	8.0	23.0	7.0		
20	18.5	8.0	19.5	8.0	15.0	7.0	23.0	8.5	---	---		
21	20.0	9.0	14.5	9.0	17.0	7.0	20.0	8.0	---	---		
22	20.0	8.0	14.0	11.5	21.0	7.0	15.5	8.0	---	---		
23	21.0	8.0	15.5	11.0	20.0	7.0	21.0	9.5	---	---		
24	20.5	11.0	16.5	8.0	24.0	8.0	23.5	8.5	---	---		
25	12.0	6.5	22.0	8.0	24.0	7.0	19.5	8.5	---	---		
26	9.0	6.5	19.5	8.5	18.5	6.0	13.5	7.0	---	---		
27	10.0	6.5	19.5	6.5	18.5	6.0	15.0	7.0	---	---		
28	14.0	7.0	19.5	8.5	20.5	8.5	18.5	8.0	---	---		
29	13.5	8.0	16.5	14.5	20.5	8.5	15.5	6.5	---	---		
30	13.5	8.0	22.0	9.0	20.0	8.0	12.0	6.5	---	---		
31	---	---	15.5	8.0			12.0	6.5	---	---		
MONTH	21.0	3.5	22.0	6.5	26.5	5.5	23.5	6.0	25.5	6.5		

07050000 WHITE RIVER AT BEAVER, AR

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

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
09...	1135	9827	9827	154	7.3	12.0	12.0	0	7.6	70	--
NOV											
06...	1115	9827	9827	156	7.5	7.0	9.0	0	10.0	86	--
DEC											
04...	1105	9827	9827	116	--	11.0	8.0	5	11.0	92	--
JAN											
08...	1100	9827	9827	142	7.2	.5	3.0	5	9.0	67	--
FEB											
05...	1120	9827	9827	140	7.5	6.0	8.0	5	10.3	87	--
MAR											
04...	1115	9827	9827	145	7.7	14.0	9.5	5	11.8	103	--
APR											
01...	1050	9827	9827	209	7.9	19.0	12.0	5	11.1	103	--
MAY											
06...	1035	9827	9827	154	7.8	24.0	15.0	--	11.7	115	0
JUN											
03...	1100	9827	9827	165	7.0	27.0	15.0	5	9.8	96	--
JUL											
08...	1200	9827	9827	--	7.4	43.0	18.0	5	8.6	91	--
29...	1045	9827	9827	--	7.7	29.0	15.0	15	9.1	89	--
SEP											
23...	1345	9827	9827	152	7.6	22.0	10.0	--	8.1	72	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1135	1.7	48	63	22	2.3	2.7	1.0	56	3.0	6.0
NOV											
06...	1115	2.1	12	--	--	--	--	--	--	5.0	8.0
DEC											
04...	1105	2.3	4	--	--	--	--	--	--	4.5	4.0
JAN											
08...	1100	1.7	4	--	19	2.0	2.4	1.0	61	5.0	9.0
FEB											
05...	1120	--	<4	--	--	--	--	--	--	5.0	7.0
MAR											
04...	1115	1.6	<4	--	--	--	--	--	--	5.0	6.0
APR											
01...	1050	2.5	<4	100	--	6.4	1.6	1.0	97	4.5	8.0
MAY											
06...	1035	1.0	4	--	--	--	--	--	--	4.0	10
JUN											
03...	1100	1.8	20	--	--	--	--	--	--	4.0	9.0
JUL											
08...	1200	2.0	52	--	24	4.7	3.0	1.0	74	6.5	5.0
29...	1045	2.5	20	--	--	--	--	--	--	9.0	9.0
SEP											
23...	1345	2.8	76	--	--	--	--	--	--	7.5	--

07050000 WHITE RIVER AT BEAVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1135	89	2	.40	.010	.080	.010	<5	<10	<5
NOV										
06...	1115	94	<1	.44	.010	.050	.010	--	--	--
DEC										
04...	1105	96	1	.42	<.010	.020	.010	--	--	--
JAN										
08...	1100	92	2	.27	.010	.140	.010	--	<10	--
FEB										
05...	1120	84	4	.25	.010	.160	.020	--	--	--
MAR										
04...	1115	73	4	.26	.010	.010	--	--	--	--
APR										
01...	1050	126	8	.20	.010	.040	.010	<1	<10	<1
MAY										
06...	1035	--	--	.25	<.010	.010	.010	--	--	--
JUN										
03...	1100	79	5	.28	.010	.050	.010	--	--	--
JUL										
08...	1200	101	2	.45	<.010	.050	.060	--	<10	--
29...	1045	89	2	.35	<.010	.030	.010	--	--	--
SEP										
23...	1345	82	6	.46	<.010	.030	<.010	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
09...	1135	<20	30	<10	78	20
JAN						
08...	1100	<20	20	20	240	<10
APR						
01...	1050	<20	250	<10	33	<10
JUL						
08...	1200	<20	30	<10	31	<10

07050500 KINGS RIVER NEAR BERRYVILLE, AR

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
09...	1030	9827	9827	295	8.0	12.0	16.0	5	9.4	94	7
NOV											
06...	1030	9827	9827	314	8.1	6.0	10.5	5	11.0	98	4
DEC											
04...	1020	9827	9827	252	--	10.0	5.5	5	14.0	111	1
JAN											
08...	1015	9827	9827	204	7.9	2.0	4.0	10	13.7	105	--
FEB											
05...	1025	9827	9827	252	8.2	5.0	5.0	10	14.2	111	4
MAR											
04...	1020	9827	9827	222	8.3	13.0	9.0	5	14.4	124	4
APR											
01...	1000	9827	9827	195	7.8	16.0	11.0	15	10.9	--	<3
MAY											
06...	1055	9827	9827	220	8.1	21.0	18.0	5	10.3	108	6
JUN											
03...	1000	9827	9827	259	7.6	26.0	25.0	10	6.2	74	6
JUL											
08...	1115	9827	9827	--	8.2	31.0	32.0	10	7.7	101	57
29...	0940	9827	9827	--	8.1	28.0	26.0	45	6.3	77	--
AUG											
26...	1020	9827	9827	383	7.7	26.0	27.0	10	5.8	72	9
SEP											
23...	1445	9827	9827	353	8.6	22.0	22.0	--	8.7	99	17

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1030	5.1	80	130	35	11	8.2	2.0	120	14	6.0
NOV											
06...	1030	3.3	48	--	--	--	--	--	--	11	8.0
DEC											
04...	1020	4.3	8	--	--	--	--	--	--	5.5	5.0
JAN											
08...	1015	3.8	4	--	27	5.0	2.5	1.0	97	6.5	10
FEB											
05...	1025	--	<4	--	--	--	--	--	--	7.5	9.0
MAR											
04...	1020	2.9	8	--	--	--	--	--	--	6.0	7.0
APR											
01...	1000	5.5	48	91	--	5.6	1.6	1.0	82	5.0	8.0
MAY											
06...	1055	2.6	140	--	--	--	--	--	--	5.0	8.0
JUN											
03...	1000	.2	180	--	--	--	--	--	--	3.5	8.0
JUL											
08...	1115	4.8	40	--	36	10	5.0	2.0	140	8.0	4.0
29...	0940	2.5	230	--	--	--	--	--	--	14	8.0
AUG											
26...	1020	2.2	20	--	--	--	--	--	--	17	6.0
SEP											
23...	1445	6.7	260	--	--	--	--	--	--	19	--

07050500 KINGS RIVER NEAR BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
09...	1030	177	3	.06	.010	.070	.40	.270	<5	<10	<5
NOV											
06...	1030	175	2	.86	.020	.050	.03	.500	--	--	--
DEC											
04...	1020	143	1	.29	<.010	.010	.00	.090	--	--	--
JAN											
08...	1015	124	2	.37	.010	.110	1.7	.080	--	<10	--
FEB											
05...	1025	135	1	.48	.010	.580	.80	.140	--	--	--
MAR											
04...	1020	106	1	.30	.010	.010	<.10	--	--	--	--
APR											
01...	1000	115	10	.54	.020	.060	.80	.070	<1	<10	<1
MAY											
06...	1055	--	--	.30	.040	.010	.40	.140	--	--	--
JUN											
03...	1000	147	8	.55	.040	.090	--	.090	--	--	--
JUL											
08...	1115	169	8	.14	<.010	.060	--	.300	--	<10	--
29...	0940	190	6	.06	<.010	.030	.80	.140	--	--	--
AUG											
26...	1020	222	17	.13	<.010	.060	.90	.110	--	--	--
SEP											
23...	1445	194	25	.11	<.010	.020	1.2	.390	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
09...	1030	<20	70	<10	29	20
JAN						
08...	1015	<20	--	20	<10	<10
APR						
01...	1000	<20	540	<10	79	<10
JUL						
08...	1115	<20	100	<10	46	10

07053400 TABLE ROCK LAKE NEAR BRANSON, MO

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
16...	1340	1028	1028	.0	220	7.8	20.0	170	7.5
16...	1342	1028	1028	10.0	220	8.1	19.0	--	7.5
16...	1344	1028	1028	20.0	220	8.1	19.0	--	7.4
16...	1346	1028	1028	30.0	220	8.0	19.0	--	7.3
16...	1348	1028	1028	40.0	220	8.0	19.0	--	7.3
16...	1350	1028	1028	50.0	220	8.0	19.0	--	7.2
16...	1352	1028	1028	55.0	240	7.4	18.0	--	.8
16...	1354	1028	1028	56.0	245	7.3	16.5	--	.2
16...	1356	1028	1028	60.0	245	7.3	16.0	--	.1
16...	1358	1028	1028	68.0	200	7.1	15.0	--	.4
16...	1400	1028	1028	70.0	200	7.1	15.0	--	.6
16...	1402	1028	1028	80.0	185	7.0	14.5	--	1.5
16...	1404	1028	1028	90.0	175	7.0	14.0	--	2.1
16...	1406	1028	1028	100	177	7.0	13.5	--	1.3
16...	1408	1028	1028	110	200	7.1	13.0	--	.5
16...	1410	1028	1028	120	200	7.1	12.5	--	.7
16...	1412	1028	1028	130	210	7.1	12.0	--	1.1
16...	1414	1028	1028	140	220	7.1	11.5	--	.6
16...	1416	1028	1028	150	220	7.1	10.5	--	.1
16...	1418	1028	1028	160	220	7.1	10.0	--	.0
16...	1420	1028	1028	170	225	7.1	10.0	--	.0
16...	1422	1028	1028	180	240	7.1	9.5	--	.0
16...	1423	1028	1028	190	245	7.2	9.0	--	.0
16...	1424	1028	1028	200	255	7.3	8.5	--	.0
16...	1425	1028	1028	210	260	7.3	8.0	--	.0

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV									
06...	1440	1028	1028	.0	220	8.1	16.5	186	7.5
06...	1442	1028	1028	10.0	220	8.1	16.5	--	7.4
06...	1444	1028	1028	20.0	220	8.0	16.5	--	7.4
06...	1446	1028	1028	30.0	225	8.0	16.5	--	7.4
06...	1448	1028	1028	40.0	225	8.0	16.5	--	7.4
06...	1450	1028	1028	50.0	225	8.0	16.5	--	7.4
06...	1452	1028	1028	60.0	225	8.0	16.5	--	7.4
06...	1454	1028	1028	70.0	220	8.0	16.5	--	7.4
06...	1456	1028	1028	80.0	220	8.0	16.5	--	7.3
06...	1458	1028	1028	85.0	220	7.5	15.5	--	6.0
06...	1500	1028	1028	90.0	205	7.4	14.5	--	.8
06...	1502	1028	1028	100	195	7.2	14.0	--	.5
06...	1504	1028	1028	110	195	7.1	13.5	--	.5
06...	1506	1028	1028	120	210	7.1	13.0	--	.0
06...	1508	1028	1028	130	230	7.2	12.5	--	.0
06...	1510	1028	1028	140	235	7.2	12.0	--	.0
06...	1512	1028	1028	150	240	7.2	11.5	--	.0
06...	1514	1028	1028	160	240	7.1	10.5	--	.0
06...	1516	1028	1028	170	235	7.1	10.0	--	.0
06...	1517	1028	1028	180	230	7.1	9.5	--	.0
06...	1518	1028	1028	190	240	7.1	9.0	--	.0
06...	1519	1028	1028	200	255	7.2	8.5	--	.0
06...	1520	1028	1028	208	265	7.3	8.5	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
07...	0935	1028	1028	.0	206	230	7.8	11.5	--	--
07...	0936	1028	1028	10.0	--	230	7.8	11.5	--	--
07...	0938	1028	1028	20.0	--	230	7.8	11.5	--	--
07...	0940	1028	1028	25.0	206	213	7.8	11.5	0	.60
07...	0942	1028	1028	30.0	--	230	7.8	11.5	--	--
07...	0944	1028	1028	40.0	--	230	7.8	11.5	--	--
07...	0946	1028	1028	50.0	--	230	7.8	11.5	--	--
07...	0948	1028	1028	60.0	--	230	7.8	11.5	--	--
07...	0950	1028	1028	70.0	--	230	7.8	11.5	--	--
07...	0952	1028	1028	80.0	--	230	7.8	11.5	--	--
07...	0954	1028	1028	90.0	--	230	7.8	11.5	--	--
07...	0955	1028	1028	100	206	230	7.8	11.5	0	.70
07...	0956	1028	1028	110	--	230	7.8	11.5	--	--
07...	0958	1028	1028	120	--	230	7.8	11.5	--	--
07...	1000	1028	1028	130	--	230	7.8	11.5	--	--
07...	1002	1028	1028	140	--	230	7.8	11.5	--	--
07...	1004	1028	1028	150	--	235	7.7	11.5	--	--
07...	1006	1028	1028	160	--	240	7.4	11.0	--	--
07...	1008	1028	1028	170	--	250	7.3	10.5	--	--
07...	1010	1028	1028	180	--	260	7.2	9.5	--	--
07...	1012	1028	1028	190	--	265	7.2	9.0	--	--
07...	1014	1028	1028	200	--	265	7.2	9.0	--	--
07...	1015	1028	1028	206	--	280	7.2	9.0	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
07...	120	8.0	--	0	--	--	--	--	--	--
07...	--	8.0	--	--	--	--	--	--	--	--
07...	--	8.0	--	--	--	--	--	--	--	--
07...	--	7.9	1.2	--	110	14	35	88	5.5	1.4
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.8	--	--	--	--	--	--	--	--
07...	--	7.9	1.4	--	110	12	34	85	5.3	1.4
07...	--	7.6	--	--	--	--	--	--	--	--
07...	--	7.6	--	--	--	--	--	--	--	--
07...	--	7.6	--	--	--	--	--	--	--	--
07...	--	7.6	--	--	--	--	--	--	--	--
07...	--	6.0	--	--	--	--	--	--	--	--
07...	--	1.9	--	--	--	--	--	--	--	--
07...	--	.2	--	--	--	--	--	--	--	--
07...	--	.1	--	--	--	--	--	--	--	--
07...	--	.1	--	--	--	--	--	--	--	--
07...	--	.1	--	--	--	--	--	--	--	--
07...	--	.1	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	96	2.0	4.7	.16	.020	.39	.41	.57	2.5	.000
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	95	1.8	4.6	.16	.020	.53	.55	.71	3.1	.000
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
09...	1200	1028	1028	.0	215	7.7	8.5	126	8.8
09...	1202	1028	1028	10.0	215	7.8	8.5	--	8.8
09...	1204	1028	1028	20.0	215	7.8	8.5	--	8.8
09...	1206	1028	1028	30.0	215	7.8	8.5	--	8.8
09...	1208	1028	1028	40.0	215	7.8	8.5	--	8.8
09...	1210	1028	1028	50.0	215	7.8	8.5	--	8.8
09...	1212	1028	1028	60.0	215	7.8	8.5	--	8.8
09...	1214	1028	1028	70.0	215	7.8	8.5	--	8.8
09...	1216	1028	1028	80.0	210	7.8	8.5	--	8.8
09...	1218	1028	1028	90.0	210	7.8	8.5	--	8.8
09...	1220	1028	1028	100	210	7.8	8.5	--	8.8
09...	1222	1028	1028	110	210	7.8	8.5	--	8.8
09...	1224	1028	1028	120	210	7.8	8.5	--	8.8
09...	1226	1028	1028	130	210	7.8	8.5	--	8.8
09...	1228	1028	1028	140	210	7.8	8.5	--	8.8
09...	1230	1028	1028	150	210	7.8	8.5	--	8.9
09...	1232	1028	1028	160	210	7.8	8.5	--	8.9
09...	1234	1028	1028	170	210	7.8	8.5	--	8.8
09...	1236	1028	1028	180	210	7.8	8.5	--	8.8
09...	1238	1028	1028	190	210	7.8	8.0	--	8.7
09...	1239	1028	1028	200	210	7.8	8.0	--	8.7
09...	1240	1028	1028	205	210	7.8	8.0	--	8.7
FEB									
13...	1600	1028	1028	.0	230	7.8	6.0	156	10.2
13...	1602	1028	1028	10.0	230	7.8	6.0	--	10.2
13...	1604	1028	1028	20.0	230	7.9	6.0	--	10.2
13...	1606	1028	1028	30.0	230	7.9	6.0	--	10.2
13...	1608	1028	1028	40.0	230	7.9	6.0	--	10.2
13...	1610	1028	1028	50.0	230	7.9	6.0	--	10.2
13...	1612	1028	1028	60.0	240	7.9	6.0	--	10.2
13...	1614	1028	1028	70.0	240	7.9	6.0	--	10.2
13...	1616	1028	1028	80.0	240	7.9	6.0	--	10.2
13...	1618	1028	1028	90.0	240	7.9	6.0	--	10.2
13...	1620	1028	1028	100	240	7.9	6.0	--	10.2
13...	1622	1028	1028	110	240	7.9	6.0	--	10.2
13...	1624	1028	1028	120	240	7.9	6.0	--	10.2
13...	1626	1028	1028	130	240	7.9	5.5	--	10.2
13...	1628	1028	1028	140	240	7.9	5.5	--	10.2
13...	1630	1028	1028	150	240	7.9	5.5	--	10.2
13...	1632	1028	1028	160	240	7.9	5.5	--	10.2
13...	1634	1028	1028	170	240	7.9	5.5	--	10.2
13...	1636	1028	1028	180	240	7.9	5.5	--	10.2
13...	1638	1028	1028	190	240	7.9	5.5	--	10.2
13...	1639	1028	1028	200	240	7.9	5.5	--	10.0
13...	1640	1028	1028	206	240	7.8	5.5	--	10.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR								
13...	0940	1028	1028	.0	215	8.1	5.5	11.7
13...	0942	1028	1028	10.0	215	8.1	5.5	11.6
13...	0944	1028	1028	20.0	215	8.1	5.5	11.6
13...	0946	1028	1028	30.0	215	8.1	5.5	11.6
13...	0948	1028	1028	40.0	215	8.1	5.5	11.5
13...	0950	1028	1028	50.0	215	8.1	5.5	11.5
13...	0952	1028	1028	60.0	215	8.1	5.5	11.5
13...	0954	1028	1028	70.0	215	8.1	5.5	11.5
13...	0956	1028	1028	80.0	215	8.1	5.5	11.5
13...	0958	1028	1028	90.0	215	8.1	5.5	11.5
13...	1000	1028	1028	100	215	8.1	5.5	11.5
13...	1002	1028	1028	110	215	8.0	5.5	11.4
13...	1004	1028	1028	120	215	8.0	5.5	11.4
13...	1006	1028	1028	130	215	8.0	5.5	11.4
13...	1008	1028	1028	140	215	8.0	5.5	11.4
13...	1010	1028	1028	150	215	8.0	5.5	11.4
13...	1012	1028	1028	160	215	8.0	5.5	11.4
13...	1014	1028	1028	170	215	8.0	5.5	11.4
13...	1016	1028	1028	180	215	8.0	5.5	11.4
13...	1018	1028	1028	190	215	8.0	5.5	11.4
13...	1019	1028	1028	200	215	8.0	5.5	11.4
13...	1020	1028	1028	207	215	8.0	5.5	11.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
APR									
09...	0900	1028	1028	.0	225	8.3	9.5	96.0	11.0
09...	0902	1028	1028	10.0	225	8.3	9.5	--	11.0
09...	0904	1028	1028	20.0	225	8.3	9.5	--	11.0
09...	0906	1028	1028	30.0	220	8.3	9.5	--	10.9
09...	0908	1028	1028	40.0	220	8.3	9.5	--	10.9
09...	0910	1028	1028	50.0	220	8.3	9.5	--	10.9
09...	0912	1028	1028	60.0	220	8.3	9.5	--	10.8
09...	0914	1028	1028	70.0	220	8.3	9.5	--	10.8
09...	0916	1028	1028	80.0	220	8.3	9.5	--	10.8
09...	0918	1028	1028	90.0	220	8.3	9.0	--	10.8
09...	0920	1028	1028	100	220	8.2	9.0	--	10.8
09...	0922	1028	1028	102	220	8.1	8.0	--	10.8
09...	0924	1028	1028	110	220	8.1	7.0	--	10.8
09...	0926	1028	1028	120	220	8.1	6.5	--	10.7
09...	0928	1028	1028	130	220	8.0	6.5	--	10.7
09...	0930	1028	1028	140	220	8.0	6.5	--	10.7
09...	0932	1028	1028	150	220	8.0	6.5	--	10.7
09...	0934	1028	1028	160	220	8.0	6.0	--	10.6
09...	0936	1028	1028	170	220	8.0	6.0	--	10.6
09...	0938	1028	1028	180	220	8.0	6.0	--	10.6
09...	0940	1028	1028	190	220	8.0	6.0	--	10.6
09...	0942	1028	1028	200	220	8.0	6.0	--	10.5
09...	0944	1028	1028	210	220	8.0	6.0	--	10.5
09...	0945	1028	1028	220	220	8.0	6.0	--	10.5

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
MAY										
08...	0915	1028	1028	.0	173	220	8.3	16.0	--	--
08...	0916	1028	1028	10.0	--	220	8.3	15.5	--	--
08...	0918	1028	1028	20.0	--	220	8.3	15.0	--	--
08...	0919	1028	1028	21.0	--	220	8.3	13.5	--	--
08...	0920	1028	1028	25.0	173	220	8.3	12.5	0	.30
08...	0924	1028	1028	30.0	--	220	8.2	12.0	--	--
08...	0926	1028	1028	40.0	--	220	8.2	11.0	--	--
08...	0930	1028	1028	50.0	--	220	8.1	10.0	--	--
08...	0932	1028	1028	60.0	--	220	8.1	9.5	--	--
08...	0934	1028	1028	70.0	--	220	8.0	9.0	--	--
08...	0936	1028	1028	80.0	--	220	8.0	9.0	--	--
08...	0938	1028	1028	90.0	--	220	8.0	8.0	--	--
08...	0940	1028	1028	100	173	220	7.9	7.5	0	.40
08...	0942	1028	1028	110	--	220	7.9	7.0	--	--
08...	0944	1028	1028	120	--	220	7.9	6.5	--	--
08...	0946	1028	1028	130	--	220	7.9	6.5	--	--
08...	0948	1028	1028	140	--	220	7.8	6.0	--	--
08...	0950	1028	1028	150	--	220	7.8	6.0	--	--
08...	0952	1028	1028	160	--	220	7.8	6.0	--	--
08...	0954	1028	1028	170	--	225	7.8	6.0	--	--
08...	0955	1028	1028	173	--	225	7.8	6.0	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
MAY										
08...	456	10.1	--	0	--	--	--	--	--	--
08...	--	10.1	--	--	--	--	--	--	--	--
08...	--	10.1	--	--	--	--	--	--	--	--
08...	--	10.8	--	--	--	--	--	--	--	--
08...	--	10.8	3.7	--	110	18	36	90	5.4	1.2
08...	--	10.8	--	--	--	--	--	--	--	--
08...	--	10.6	--	--	--	--	--	--	--	--
08...	--	10.4	--	--	--	--	--	--	--	--
08...	--	10.3	--	--	--	--	--	--	--	--
08...	--	10.2	--	--	--	--	--	--	--	--
08...	--	10.2	--	--	--	--	--	--	--	--
08...	--	10.1	--	--	--	--	--	--	--	--
08...	--	9.9	.9	--	110	20	37	92	5.3	1.2
08...	--	9.9	--	--	--	--	--	--	--	--
08...	--	9.7	--	--	--	--	--	--	--	--
08...	--	9.6	--	--	--	--	--	--	--	--
08...	--	9.4	--	--	--	--	--	--	--	--
08...	--	9.2	--	--	--	--	--	--	--	--
08...	--	8.9	--	--	--	--	--	--	--	--
08...	--	8.8	--	--	--	--	--	--	--	--
08...	--	8.7	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	94	7.0	6.0	.27	.040	.27	.31	.58	2.6	.000
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	94	6.2	4.8	.30	.010	.25	.26	.56	2.5	.010
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	.040	0	1	0	8	60	0	.0	13	20
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	.040	20	1	0	7	90	0	.0	10	20
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
20...	1030	1028	1028	.0	230	8.5	24.5	133	8.4
20...	1032	1028	1028	10.0	230	8.5	24.5	--	8.4
20...	1034	1028	1028	20.0	230	8.5	23.5	--	8.7
20...	1036	1028	1028	23.0	230	8.5	22.5	--	9.6
20...	1038	1028	1028	25.0	230	8.5	21.5	--	10.1
20...	1040	1028	1028	26.0	235	8.5	19.5	--	10.2
20...	1042	1028	1028	27.0	235	8.5	18.5	--	10.4
20...	1044	1028	1028	30.0	235	8.5	17.5	--	10.4
20...	1046	1028	1028	32.0	235	8.4	16.5	--	10.1
20...	1048	1028	1028	35.0	240	8.4	15.5	--	9.9
20...	1050	1028	1028	37.0	240	8.4	14.5	--	9.9
20...	1052	1028	1028	40.0	240	8.3	14.0	--	9.8
20...	1054	1028	1028	44.0	240	8.3	13.0	--	9.8
20...	1056	1028	1028	46.0	240	8.2	12.0	--	9.7
20...	1058	1028	1028	50.0	240	8.2	11.0	--	9.6
20...	1100	1028	1028	60.0	240	8.1	10.0	--	8.8
20...	1102	1028	1028	70.0	240	8.0	9.5	--	8.3
20...	1104	1028	1028	80.0	240	7.9	9.0	--	8.1
20...	1106	1028	1028	90.0	240	7.8	8.5	--	8.0
20...	1108	1028	1028	100	240	7.8	8.0	--	8.0
20...	1110	1028	1028	110	240	7.8	7.5	--	8.0
20...	1112	1028	1028	120	240	7.8	7.0	--	8.0
20...	1114	1028	1028	130	245	7.8	7.0	--	7.9
20...	1116	1028	1028	140	250	7.8	6.5	--	7.6
20...	1117	1028	1028	150	260	7.8	6.5	--	7.3
20...	1118	1028	1028	160	260	7.8	6.5	--	7.0
20...	1119	1028	1028	170	265	7.7	6.5	--	6.6
20...	1120	1028	1028	172	265	7.7	6.5	--	6.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
17...	1000	1028	1028	.0	210	8.5	31.0	264	6.8
17...	1002	1028	1028	10.0	210	8.5	31.0	--	6.8
17...	1004	1028	1028	20.0	210	8.5	30.5	--	7.0
17...	1006	1028	1028	24.0	210	8.6	29.5	--	9.2
17...	1008	1028	1028	25.0	210	8.7	27.5	--	11.1
17...	1010	1028	1028	26.0	210	8.7	26.5	--	11.4
17...	1012	1028	1028	27.0	210	8.7	25.5	--	11.4
17...	1014	1028	1028	30.0	210	8.7	24.5	--	10.9
17...	1016	1028	1028	31.0	210	8.6	23.5	--	10.0
17...	1018	1028	1028	32.0	215	8.3	22.5	--	8.2
17...	1020	1028	1028	33.0	215	8.1	21.5	--	7.4
17...	1022	1028	1028	35.0	220	7.8	20.5	--	6.3
17...	1024	1028	1028	36.0	220	7.6	19.0	--	5.0
17...	1026	1028	1028	39.0	220	7.5	18.0	--	4.3
17...	1028	1028	1028	40.0	220	7.5	17.0	--	4.8
17...	1030	1028	1028	45.0	225	7.7	16.0	--	6.5
17...	1032	1028	1028	47.0	225	7.8	15.0	--	7.3
17...	1034	1028	1028	50.0	225	7.9	14.0	--	7.4
17...	1036	1028	1028	55.0	225	7.9	13.0	--	7.0
17...	1038	1028	1028	60.0	225	7.8	12.0	--	7.0
17...	1040	1028	1028	70.0	225	7.8	11.0	--	6.9
17...	1042	1028	1028	80.0	225	7.8	10.0	--	6.9
17...	1044	1028	1028	90.0	225	7.8	9.5	--	6.9
17...	1046	1028	1028	100	230	7.8	9.0	--	6.2
17...	1048	1028	1028	110	235	7.8	9.0	--	6.1
17...	1050	1028	1028	120	240	7.8	8.5	--	6.0
17...	1052	1028	1028	130	240	7.7	8.0	--	5.9
17...	1054	1028	1028	140	240	7.7	7.5	--	5.7
17...	1056	1028	1028	150	250	7.7	7.5	--	4.9
17...	1058	1028	1028	160	255	7.6	7.0	--	4.1
17...	1100	1028	1028	167	260	7.6	7.0	--	3.4

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
AUG										
28...	1550	1028	1028	.0	163	189	8.6	28.5	--	--
28...	1600	1028	1028	10.0	--	192	8.5	28.0	--	--
28...	1605	1028	1028	20.0	--	192	8.5	27.5	--	--
28...	1610	1028	1028	25.0	163	192	8.5	27.5	0	1.1
28...	1612	1028	1028	29.0	--	194	8.5	26.5	--	--
28...	1614	1028	1028	30.0	--	200	8.2	25.5	--	--
28...	1615	1028	1028	32.0	--	205	8.0	24.5	--	--
28...	1616	1028	1028	34.0	--	210	7.8	23.5	--	--
28...	1617	1028	1028	36.0	--	215	7.7	22.5	--	--
28...	1618	1028	1028	37.0	--	220	7.6	21.5	--	--
28...	1620	1028	1028	39.0	--	220	7.6	20.5	--	--
28...	1622	1028	1028	40.0	--	225	7.5	19.5	--	--
28...	1624	1028	1028	43.0	--	225	7.5	18.5	--	--
28...	1625	1028	1028	46.0	--	225	7.5	17.5	--	--
28...	1626	1028	1028	50.0	--	225	7.5	16.5	--	--
28...	1627	1028	1028	53.0	--	225	7.5	15.5	--	--
28...	1628	1028	1028	56.0	--	225	7.5	14.5	--	--
28...	1630	1028	1028	60.0	--	225	7.5	14.0	--	--
28...	1632	1028	1028	65.0	--	225	7.5	13.0	--	--
28...	1634	1028	1028	70.0	--	225	7.6	12.5	--	--
28...	1636	1028	1028	80.0	--	225	7.6	11.0	--	--
28...	1638	1028	1028	90.0	--	225	7.6	10.5	--	--
28...	1640	1028	1028	100	163	241	7.6	10.0	0	.50
28...	1642	1028	1028	110	--	225	7.6	9.5	--	--
28...	1644	1028	1028	120	--	225	7.6	9.0	--	--
28...	1646	1028	1028	130	--	230	7.6	8.5	--	--
28...	1648	1028	1028	140	--	230	7.6	8.0	--	--
28...	1650	1028	1028	150	--	235	7.5	8.0	--	--
28...	1653	1028	1028	160	--	240	7.4	7.5	--	--
28...	1655	1028	1028	163	--	240	7.4	7.0	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
AUG										
28...	108	8.1	--	0	--	--	--	--	--	--
28...	--	8.0	--	--	--	--	--	--	--	--
28...	--	7.4	--	--	--	--	--	--	--	--
28...	--	6.8	.8	--	95	0	29	72	5.4	1.6
28...	--	6.1	--	--	--	--	--	--	--	--
28...	--	5.1	--	--	--	--	--	--	--	--
28...	--	4.8	--	--	--	--	--	--	--	--
28...	--	4.4	--	--	--	--	--	--	--	--
28...	--	3.9	--	--	--	--	--	--	--	--
28...	--	3.4	--	--	--	--	--	--	--	--
28...	--	2.9	--	--	--	--	--	--	--	--
28...	--	2.3	--	--	--	--	--	--	--	--
28...	--	2.1	--	--	--	--	--	--	--	--
28...	--	2.1	--	--	--	--	--	--	--	--
28...	--	2.5	--	--	--	--	--	--	--	--
28...	--	2.5	--	--	--	--	--	--	--	--
28...	--	2.8	--	--	--	--	--	--	--	--
28...	--	3.2	--	--	--	--	--	--	--	--
28...	--	3.4	--	--	--	--	--	--	--	--
28...	--	3.6	--	--	--	--	--	--	--	--
28...	--	4.7	--	--	--	--	--	--	--	--
28...	--	4.6	--	--	--	--	--	--	--	--
28...	--	4.4	.7	--	120	10	38	95	6.2	1.4
28...	--	4.0	--	--	--	--	--	--	--	--
28...	--	4.0	--	--	--	--	--	--	--	--
28...	--	3.8	--	--	--	--	--	--	--	--
28...	--	3.1	--	--	--	--	--	--	--	--
28...	--	1.7	--	--	--	--	--	--	--	--
28...	--	.4	--	--	--	--	--	--	--	--
28...	--	.2	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	100	6.6	5.6	.00	.040	.31	.35	.35	1.6	.000
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	110	6.7	6.1	.57	.020	.22	.24	.81	3.6	.080
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	.010	60	1	50	23	50	0	.0	2	70
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	.000	50	0	10	9	70	10	.0	4	80
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
17...	0850	1028	1028	.0	190	8.5	25.5	108	7.8
17...	0852	1028	1028	10.0	190	8.5	25.5	--	7.8
17...	0854	1028	1028	20.0	190	8.5	25.5	--	7.7
17...	0856	1028	1028	30.0	195	8.3	25.5	--	6.0
17...	0858	1028	1028	32.0	205	7.9	24.5	--	4.4
17...	0900	1028	1028	34.0	215	7.7	23.5	--	2.7
17...	0902	1028	1028	36.0	220	7.6	22.5	--	1.8
17...	0904	1028	1028	39.0	225	7.5	21.5	--	1.1
17...	0906	1028	1028	40.0	225	7.5	20.5	--	.8
17...	0908	1028	1028	43.0	230	7.5	19.5	--	.7
17...	0910	1028	1028	44.0	230	7.4	17.0	--	.6
17...	0912	1028	1028	48.0	235	7.4	16.0	--	.7
17...	0914	1028	1028	50.0	235	7.4	16.0	--	.8
17...	0916	1028	1028	55.0	235	7.4	15.0	--	1.2
17...	0918	1028	1028	60.0	235	7.4	14.5	--	.9
17...	0920	1028	1028	65.0	230	7.5	13.5	--	2.8
17...	0922	1028	1028	70.0	225	7.5	12.5	--	3.4
17...	0924	1028	1028	80.0	225	7.5	11.5	--	3.4
17...	0926	1028	1028	90.0	220	7.6	10.5	--	5.2
17...	0928	1028	1028	100	220	7.6	9.5	--	5.5
17...	0930	1028	1028	110	225	7.6	9.0	--	4.3
17...	0932	1028	1028	120	230	7.6	9.0	--	4.3
17...	0934	1028	1028	130	230	7.6	8.5	--	3.6
17...	0936	1028	1028	140	230	7.5	8.0	--	2.3
17...	0938	1028	1028	150	235	7.4	7.5	--	.6
17...	0940	1028	1028	160	240	7.4	7.0	--	.1

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
OCT										
16...	1500	1028	1028	210	7.5	14.5	--	--	9.2	--
NOV										
06...	1400	1028	1028	220	7.5	12.5	--	--	6.1	--
DEC										
07...	0800	1028	1028	230	7.6	11.5	0	1.2	8.5	1.7
JAN										
09...	1100	1028	1028	212	7.7	9.0	--	--	10.2	--
FEB										
13...	1700	1028	1028	240	7.9	6.5	--	--	10.3	--
MAR										
13...	0845	1028	1028	220	8.0	6.0	--	--	11.7	--
APR										
09...	0815	1028	1028	218	8.0	6.5	--	--	11.1	--
MAY										
08...	0820	1028	1028	238	7.9	7.5	0	.60	10.8	1.2
JUN										
20...	0930	1028	1028	260	8.0	9.0	--	--	7.7	--
JUL										
17...	0910	1028	1028	230	7.8	9.5	--	--	8.8	--
AUG										
28...	1500	1028	1028	258	7.6	9.5	0	1.3	7.4	1.7
SEP										
17...	0815	1028	1028	250	7.6	10.0	--	--	7.6	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
07...	3	110	15	35	88	6.2	1.4	98	2.5	4.8
MAY										
08...	12	120	22	38	95	6.6	1.2	100	6.1	4.9
AUG										
28...	9	120	0	36	90	6.6	1.5	120	7.1	5.9

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
07...	.16	.070	.47	.54	.70	3.1	.030	.020	60
MAY									
08...	.34	.090	.54	.63	.97	4.3	.020	.020	10
AUG									
28...	.62	.060	.32	.38	1.0	4.4	.010	.010	50

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
07...	1	0	0	90	2	260	.0	7	50
MAY									
08...	1	0	4	70	6	20	.0	9	20
AUG									
28...	1	0	7	90	5	50	.1	2	70

07053700 LAKE TANEYCOMO AT BRANSON, MO

LOCATION.--Lat 36°38'09", long 93°15'52", in SE 1/4 NW 1/4 sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 1101003, 1000 ft. (300 m) downstream from Turkey Creek, at bridge on Business Route 65 in Branson.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
OCT											
18...	1430	1028	29001	--	--	227	7.5	15.5	--	--	--
NOV											
15...	1030	1028	29001	--	--	218	7.6	12.0	--	--	--
DEC											
05...	1700	1028	1028	.0	15	--	--	--	--	--	53.0
05...	1705	1028	1028	3.0	15	233	7.7	11.0	5	1.1	--
05...	1710	1028	1028	12.0	15	237	7.7	11.0	5	1.8	--
19...	1140	1028	29001	--	--	256	7.7	10.0	--	--	--
JAN											
23...	1000	1028	29001	--	--	237	7.6	7.0	--	--	--
FEB											
27...	0940	1028	29001	--	--	244	7.7	5.5	--	--	--
MAR											
20...	1030	1028	29001	--	--	215	8.1	8.0	--	--	--
APR											
22...	1000	1028	29001	--	--	218	7.0	8.0	--	--	--
MAY											
07...	1915	1028	1028	.0	17	--	--	--	--	--	170
07...	1920	1028	1028	3.5	17	230	7.7	8.5	0	.70	--
07...	1925	1028	1028	13.5	17	229	7.9	8.5	5	.60	--
21...	1100	1028	29001	--	--	233	7.9	11.0	--	--	--
JUN											
11...	1100	1028	29001	--	--	240	7.9	13.5	--	--	--
JUL											
23...	0820	1028	29001	--	--	232	7.9	15.0	--	--	--
AUG											
06...	0900	1028	29001	--	--	260	7.7	11.0	--	--	--
28...	1800	1028	1028	.0	20	--	--	--	--	--	114
28...	1805	1028	1028	4.0	20	236	7.8	10.0	0	.90	--
28...	1810	1028	1028	16.0	20	242	7.7	10.0	0	.70	--
SEP											
17...	0840	1028	29001	--	--	238	8.0	14.0	--	--	--

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	BICARBONATE (MG/L AS HCO3) (00440)	CARBONATE (MG/L AS CO3) (00445)
OCT											
18...	4.6	--	88	94	0	31	--	4.4	--	124	0
NOV											
15...	7.8	--	32	--	--	--	--	--	--	120	0
DEC											
05...	--	--	19	--	--	--	--	--	--	--	--
05...	7.2	1.7	--	110	7	34	85	5.4	1.5	--	--
05...	7.5	1.5	--	120	16	37	92	5.8	1.6	--	--
19...	9.2	--	470	--	--	--	--	--	--	140	0
JAN											
23...	11.0	--	140	100	0	32	--	5.2	--	132	0
FEB											
27...	11.9	--	--	--	--	--	--	--	--	128	0
MAR											
20...	11.8	--	12	--	--	--	--	--	--	108	0
APR											
22...	10.2	--	12	110	6	32	--	6.0	--	120	0
MAY											
07...	--	--	27	--	--	--	--	--	--	--	--
07...	9.8	1.6	--	110	14	35	88	5.7	1.1	--	--
07...	9.1	1.4	--	110	14	35	88	5.5	1.1	--	--
21...	11.2	--	800	--	--	--	--	--	--	124	0
JUN											
11...	10.8	--	32	--	--	--	--	--	--	116	0
JUL											
23...	8.9	--	240	110	--	34	--	6.0	--	--	0
AUG											
06...	6.2	--	160	--	--	--	--	--	--	140	0
28...	--	--	35	--	--	--	--	--	--	--	--
28...	6.4	.7	--	120	6	37	92	5.8	1.4	--	--
28...	6.2	.5	--	120	7	37	92	5.9	1.4	--	--
SEP											
17...	4.8	--	2300	--	--	--	--	--	--	48	0

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3) (00410)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
OCT											
18...	102	6.3	30	2.5	.38	.010	--	--	--	--	.040
NOV											
15...	98	4.8	--	--	.22	.070	--	--	--	--	.020
DEC											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	100	--	6.9	4.8	.18	.150	.43	.58	.76	3.4	.010
05...	100	--	81	4.9	.18	.100	.53	.63	.81	3.6	.020
19...	115	4.5	--	--	.13	<.010	--	--	--	--	.040
JAN											
23...	108	5.3	--	6.1	.25	.020	--	--	--	--	<.020
FEB											
27...	105	4.1	--	--	.23	<.010	--	--	--	--	.030
MAR											
20...	89	1.4	--	--	.26	<.010	--	--	--	--	<.020
APR											
22...	98	19	10	5.6	.28	<.010	--	--	--	--	.040
MAY											
07...	--	--	--	--	--	--	--	--	--	--	--
07...	97	--	5.1	5.1	.26	.060	1.1	1.2	1.5	6.5	.030
07...	96	--	5.4	5.1	.26	.020	.51	.53	.79	3.5	.010
21...	102	2.5	--	--	--	.010	--	--	--	--	<.020
JUN											
11...	95	2.3	--	--	.28	.020	--	--	--	--	1.100
JUL											
23...	--	--	<10	6.6	.51	.090	--	--	--	--	.070
AUG											
06...	115	4.5	--	--	.61	.020	--	--	--	--	.140
28...	--	--	--	--	--	--	--	--	--	--	--
28...	110	--	6.5	5.9	.55	.030	.26	.29	.84	3.7	.000
28...	110	--	7.5	5.9	.54	.040	.23	.27	.81	3.6	.010
SEP											
17...	39	.8	--	--	--	.060	--	--	--	--	<.020

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
18...	--	--	--	--	4	153	120	<.1	--	130
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.000	20	1	0	0	120	350	.0	0	10
05...	.000	40	1	0	1	430	340	.0	0	50
19...	--	--	--	--	--	--	--	--	--	--
JAN										
23...	--	--	--	--	2	110	53	4.9	--	4
APR										
22...	--	--	--	--	<1	36	<10	--	--	18
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	.030	40	0	0	1	90	30	.1	2	40
07...	.100	60	0	0	3	80	30	.0	3	20
21...	--	--	--	--	--	--	--	--	--	--
JUL										
23...	--	--	--	--	3	140	42	3.7	--	14
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	.010	50	1	0	7	60	60	.1	1	40
28...	.000	50	1	0	7	90	70	.0	3	120

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT									
17...	1040	1028	1028	.0	265	8.2	20.0	215	7.7
17...	1042	1028	1028	10.0	265	8.2	20.0	--	7.5
17...	1044	1028	1028	20.0	265	8.2	20.0	--	7.5
17...	1046	1028	1028	30.0	270	8.2	20.0	--	7.3
17...	1048	1028	1028	40.0	270	8.0	19.5	--	6.4
17...	1050	1028	1028	50.0	270	7.3	18.5	--	.4
17...	1052	1028	1028	55.0	265	7.2	17.5	--	.6
17...	1054	1028	1028	60.0	265	7.2	17.0	--	.9
17...	1056	1028	1028	70.0	260	7.2	16.5	--	2.2
17...	1058	1028	1028	80.0	255	7.2	16.0	--	2.6
17...	1100	1028	1028	90.0	255	7.2	15.6	--	2.9
17...	1102	1028	1028	100	255	7.2	15.0	--	2.9
17...	1104	1028	1028	110	260	7.1	14.0	--	2.6
17...	1106	1028	1028	120	265	7.1	13.0	--	2.4
17...	1108	1028	1028	130	265	7.1	12.0	--	2.6
17...	1110	1028	1028	140	265	7.0	11.0	--	1.4
17...	1112	1028	1028	150	265	6.9	10.5	--	.2
17...	1113	1028	1028	160	270	6.9	9.5	--	.1
17...	1114	1028	1028	170	275	6.9	9.0	--	.1
17...	1115	1028	1028	173	275	7.0	8.5	--	.0
NOV									
07...	1100	1028	1028	.0	265	8.3	17.0	218	7.1
07...	1102	1028	1028	10.0	270	8.3	17.0	--	7.1
07...	1104	1028	1028	20.0	270	8.3	17.0	--	7.0
07...	1106	1028	1028	30.0	270	8.3	17.0	--	7.0
07...	1108	1028	1028	40.0	270	8.3	17.0	--	7.0
07...	1110	1028	1028	50.0	270	8.3	17.0	--	7.0
07...	1112	1028	1028	60.0	270	8.3	17.0	--	7.0
07...	1114	1028	1028	70.0	270	8.3	17.0	--	7.0
07...	1116	1028	1028	80.0	270	8.3	17.0	--	7.0
07...	1118	1028	1028	90.0	270	8.2	17.0	--	6.7
07...	1120	1028	1028	97.0	260	7.7	16.0	--	1.6
07...	1122	1028	1028	100	260	7.6	15.5	--	1.3
07...	1124	1028	1028	110	260	7.6	15.0	--	1.1
07...	1126	1028	1028	120	260	7.5	14.0	--	.5
07...	1128	1028	1028	126	270	7.5	13.0	--	.1
07...	1130	1028	1028	130	280	7.5	12.5	--	.0
07...	1132	1028	1028	137	280	7.4	11.5	--	.0
07...	1134	1028	1028	140	280	7.4	11.0	--	.0
07...	1136	1028	1028	150	280	7.4	10.5	--	.0
07...	1138	1028	1028	160	280	7.4	9.5	--	.0
07...	1140	1028	1028	166	280	7.4	9.0	--	.0

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
18...	1545	1028	1028	.0	167	260	7.9	11.0	--	--
18...	1546	1028	1028	10.0	--	260	7.9	11.0	--	--
18...	1548	1028	1028	20.0	--	260	7.9	11.0	--	--
18...	1550	1028	1028	25.0	167	260	7.9	11.0	5	.90
18...	1552	1028	1028	30.0	--	260	7.9	11.0	--	--
18...	1554	1028	1028	40.0	--	260	7.9	10.5	--	--
18...	1556	1028	1028	50.0	--	260	7.9	10.5	--	--
18...	1558	1028	1028	60.0	--	260	7.9	10.5	--	--
18...	1600	1028	1028	70.0	--	260	7.9	10.5	--	--
18...	1602	1028	1028	80.0	--	260	7.9	10.5	--	--
18...	1604	1028	1028	90.0	--	260	7.9	10.5	--	--
18...	1605	1028	1028	100	167	272	7.9	10.5	5	1.2
18...	1606	1028	1028	110	--	260	7.9	10.5	--	--
18...	1608	1028	1028	120	--	230	7.9	10.5	--	--
18...	1610	1028	1028	130	--	260	7.9	10.5	--	--
18...	1612	1028	1028	140	--	270	7.9	10.5	--	--
18...	1613	1028	1028	150	--	280	7.8	10.5	--	--
18...	1614	1028	1028	160	--	280	7.7	10.0	--	--
18...	1615	1028	1028	167	--	280	7.6	10.0	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
18...	144	7.0	--	0	--	--	--	--	--	--
18...	--	6.8	--	--	--	--	--	--	--	--
18...	--	6.8	--	--	--	--	--	--	--	--
18...	--	6.5	1.2	--	150	23	40	100	13	1.3
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.5	--	--	--	--	--	--	--	--
18...	--	6.4	--	--	--	--	--	--	--	--
18...	--	6.4	.8	--	140	12	37	92	12	1.2
18...	--	6.4	--	--	--	--	--	--	--	--
18...	--	6.4	--	--	--	--	--	--	--	--
18...	--	6.3	--	--	--	--	--	--	--	--
18...	--	6.2	--	--	--	--	--	--	--	--
18...	--	4.2	--	--	--	--	--	--	--	--
18...	--	2.5	--	--	--	--	--	--	--	--
18...	--	.4	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	130	6.5	4.0	.20	.040	.37	.41	.61	2.7	.010
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	130	6.7	4.4	.20	.040	.36	.40	.60	2.7	.000
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	.000	50	1	8	9	70	30	.0	4	20
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	.010	0	1	12	6	40	70	.0	4	10
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JAN									
10...	1100	1028	1028	.0	280	7.9	9.0	175	8.4
10...	1102	1028	1028	10.0	280	7.9	9.0	--	8.4
10...	1104	1028	1028	20.0	280	7.9	9.0	--	8.3
10...	1106	1028	1028	30.0	280	7.9	9.0	--	8.3
10...	1108	1028	1028	40.0	280	7.9	9.0	--	8.3
10...	1110	1028	1028	50.0	280	7.9	9.0	--	8.3
10...	1112	1028	1028	60.0	280	7.9	9.0	--	8.3
10...	1114	1028	1028	70.0	280	7.9	9.0	--	8.3
10...	1116	1028	1028	80.0	280	7.9	9.0	--	8.3
10...	1118	1028	1028	90.0	280	7.9	9.0	--	8.3
10...	1120	1028	1028	100	280	7.9	9.0	--	8.3
10...	1122	1028	1028	110	280	7.9	9.0	--	8.3
10...	1124	1028	1028	120	280	7.9	9.0	--	8.3
10...	1126	1028	1028	130	280	7.9	9.0	--	8.2
10...	1127	1028	1028	140	280	7.9	9.0	--	7.8
10...	1128	1028	1028	150	285	7.9	9.0	--	7.8
10...	1129	1028	1028	160	295	7.9	9.0	--	7.4
10...	1130	1028	1028	168	300	7.8	9.0	--	6.3
FEB									
13...	1315	1028	1028	.0	285	8.0	7.0	175	10.3
13...	1316	1028	1028	10.0	285	8.0	7.0	--	10.3
13...	1318	1028	1028	20.0	290	8.0	7.0	--	10.3
13...	1320	1028	1028	30.0	290	8.0	7.0	--	10.2
13...	1322	1028	1028	40.0	295	8.0	7.0	--	10.2
13...	1324	1028	1028	50.0	295	8.0	6.5	--	10.2
13...	1326	1028	1028	60.0	295	8.0	6.5	--	10.2
13...	1328	1028	1028	70.0	295	8.0	6.5	--	10.2
13...	1330	1028	1028	80.0	295	8.0	6.5	--	10.2
13...	1332	1028	1028	90.0	295	8.0	6.5	--	10.2
13...	1334	1028	1028	100	295	8.0	6.5	--	10.2
13...	1336	1028	1028	110	295	8.0	6.5	--	10.3
13...	1338	1028	1028	120	295	8.0	6.5	--	10.3
13...	1340	1028	1028	130	300	8.0	6.5	--	10.3
13...	1342	1028	1028	140	300	8.0	6.5	--	10.3
13...	1344	1028	1028	150	300	8.0	6.5	--	10.3
13...	1348	1028	1028	160	300	8.0	6.5	--	10.0
13...	1350	1028	1028	167	300	7.9	6.5	--	9.8
MAR									
12...	0940	1028	1028	.0	270	8.1	6.5	196	11.6
12...	0942	1028	1028	10.0	270	8.1	6.5	--	11.6
12...	0944	1028	1028	20.0	270	8.1	6.5	--	11.6
12...	0946	1028	1028	30.0	270	8.1	6.5	--	11.6
12...	0948	1028	1028	40.0	270	8.1	6.5	--	11.6
12...	0950	1028	1028	50.0	270	8.1	6.5	--	11.6
12...	0952	1028	1028	60.0	275	8.1	6.5	--	11.5
12...	0954	1028	1028	70.0	275	8.1	6.5	--	11.4
12...	0956	1028	1028	80.0	275	8.1	6.0	--	11.4
12...	0958	1028	1028	90.0	275	8.0	6.0	--	11.4
12...	1000	1028	1028	100	275	8.0	6.0	--	11.4
12...	1002	1028	1028	110	275	8.0	6.0	--	11.3
12...	1004	1028	1028	120	275	8.0	6.0	--	11.2
12...	1006	1028	1028	130	275	8.0	6.0	--	11.2
12...	1007	1028	1028	140	275	8.0	6.0	--	11.1
12...	1008	1028	1028	150	275	8.0	6.0	--	11.1
12...	1009	1028	1028	160	275	8.0	6.0	--	11.0
12...	1010	1028	1028	169	275	8.0	6.0	--	10.9

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
APR									
08...	0950	1028	1028	.0	255	8.3	8.5	304	11.3
08...	0952	1028	1028	10.0	255	8.3	8.5	--	11.3
08...	0954	1028	1028	20.0	255	8.3	8.0	--	11.3
08...	0956	1028	1028	30.0	255	8.3	8.0	--	11.2
08...	0958	1028	1028	40.0	255	8.3	8.0	--	11.2
08...	1000	1028	1028	50.0	260	8.3	7.5	--	11.2
08...	1002	1028	1028	60.0	260	8.3	7.5	--	11.2
08...	1004	1028	1028	70.0	260	8.3	7.5	--	11.1
08...	1006	1028	1028	80.0	260	8.3	7.0	--	11.1
08...	1008	1028	1028	90.0	260	8.3	7.0	--	11.0
08...	1010	1028	1028	100	260	8.2	6.5	--	11.0
08...	1012	1028	1028	110	260	8.2	6.5	--	10.9
08...	1014	1028	1028	120	260	8.2	6.5	--	10.9
08...	1016	1028	1028	130	260	8.2	6.0	--	10.8
08...	1017	1028	1028	140	260	8.2	6.0	--	10.8
08...	1018	1028	1028	150	260	8.2	6.0	--	10.7
08...	1019	1028	1028	160	260	8.1	6.0	--	10.4
08...	1020	1028	1028	170	260	8.0	6.0	--	10.0

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
MAY										
13...	2000	1028	1028	.0	173	240	8.3	19.0	--	--
13...	2005	1028	1028	10.0	--	250	8.3	19.0	--	--
13...	2010	1028	1028	20.0	--	250	8.3	18.5	--	--
13...	2015	1028	1028	25.0	173	274	8.2	18.0	0	.70
13...	2016	1028	1028	30.0	--	250	8.2	17.0	--	--
13...	2020	1028	1028	34.0	--	250	8.2	16.0	--	--
13...	2022	1028	1028	36.0	--	250	8.2	15.0	--	--
13...	2024	1028	1028	40.0	--	255	8.1	14.0	--	--
13...	2026	1028	1028	41.0	--	255	7.9	12.5	--	--
13...	2028	1028	1028	45.0	--	255	7.8	11.5	--	--
13...	2030	1028	1028	50.0	--	255	7.7	10.5	--	--
13...	2032	1028	1028	60.0	--	255	7.6	9.5	--	--
13...	2034	1028	1028	70.0	--	255	7.6	9.5	--	--
13...	2036	1028	1028	80.0	--	255	7.5	9.0	--	--
13...	2038	1028	1028	90.0	--	255	7.5	9.0	--	--
13...	2040	1028	1028	100	173	276	8.1	8.0	0	.30
13...	2042	1028	1028	110	--	255	7.3	7.5	--	--
13...	2044	1028	1028	120	--	255	7.3	7.0	--	--
13...	2046	1028	1028	130	--	255	7.2	7.0	--	--
13...	2048	1028	1028	140	--	255	7.2	6.5	--	--
13...	2050	1028	1028	150	--	255	7.1	6.5	--	--
13...	2052	1028	1028	160	--	255	7.1	6.5	--	--
13...	2054	1028	1028	170	--	255	7.1	6.0	--	--
13...	2055	1028	1028	173	--	255	7.0	6.6	--	--

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY										
13...	170	10.3	--	0	--	--	--	--	--	--
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.6	--	--	--	--	--	--	--	--
13...	--	10.8	.9	--	140	15	36	90	11	1.1
13...	--	11.1	--	--	--	--	--	--	--	--
13...	--	11.5	--	--	--	--	--	--	--	--
13...	--	11.6	--	--	--	--	--	--	--	--
13...	--	11.5	--	--	--	--	--	--	--	--
13...	--	11.2	--	--	--	--	--	--	--	--
13...	--	11.0	--	--	--	--	--	--	--	--
13...	--	10.6	--	--	--	--	--	--	--	--
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.1	--	--	--	--	--	--	--	--
13...	--	10.1	.8	--	140	18	37	92	11	1.0
13...	--	10.0	--	--	--	--	--	--	--	--
13...	--	9.9	--	--	--	--	--	--	--	--
13...	--	9.9	--	--	--	--	--	--	--	--
13...	--	9.8	--	--	--	--	--	--	--	--
13...	--	9.6	--	--	--	--	--	--	--	--
13...	--	9.3	--	--	--	--	--	--	--	--
13...	--	9.3	--	--	--	--	--	--	--	--
13...	--	9.2	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	120	4.7	3.4	.12	.020	.31	.33	.45	2.0	.010
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	120	5.8	3.5	.20	.040	.55	.59	.79	3.5	.010
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOV ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	10	1	0	2	60	10	.0	2	20
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	10	1	0	1	40	10	.0	2	10
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
19...	1010	1028	1028	.0	280	8.4	25.0	204	8.5
19...	1012	1028	1028	10.0	280	8.3	25.0	--	8.5
19...	1014	1028	1028	20.0	280	8.3	24.0	--	10.4
19...	1016	1028	1028	22.0	280	8.3	23.0	--	11.1
19...	1018	1028	1028	23.0	280	8.3	22.0	--	11.9
19...	1020	1028	1028	24.0	280	8.4	21.0	--	13.0
19...	1022	1028	1028	25.0	280	8.4	20.0	--	13.3
19...	1024	1028	1028	26.0	275	8.4	19.0	--	13.7
19...	1026	1028	1028	30.0	275	8.4	18.0	--	13.5
19...	1028	1028	1028	31.0	275	8.4	16.5	--	13.5
19...	1030	1028	1028	32.0	280	8.4	15.5	--	13.5
19...	1032	1028	1028	37.0	280	8.4	14.5	--	13.3
19...	1034	1028	1028	40.0	285	8.4	13.5	--	12.9
19...	1036	1028	1028	47.0	285	8.3	12.5	--	11.1
19...	1038	1028	1028	50.0	290	8.3	12.0	--	10.8
19...	1040	1028	1028	60.0	290	8.1	11.0	--	10.0
19...	1042	1028	1028	70.0	290	8.0	10.5	--	9.4
19...	1044	1028	1028	80.0	290	8.0	10.0	--	9.1
19...	1046	1028	1028	90.0	290	7.9	9.5	--	8.9
19...	1048	1028	1028	100	290	7.9	9.0	--	8.9
19...	1050	1028	1028	110	290	7.9	8.5	--	8.8
19...	1052	1028	1028	120	290	7.9	7.5	--	8.7
19...	1054	1028	1028	130	285	7.8	7.0	--	8.6
19...	1056	1028	1028	140	285	7.8	7.0	--	8.5
19...	1057	1028	1028	150	285	7.8	6.5	--	8.4
19...	1058	1028	1028	160	290	7.8	6.5	--	8.0
19...	1059	1028	1028	170	295	7.7	6.5	--	6.8
19...	1100	1028	1028	172	295	7.7	6.5	--	6.6
JUL									
15...	1240	1028	1028	.0	260	8.4	31.5	270	6.6
15...	1242	1028	1028	10.0	260	8.4	31.0	--	6.6
15...	1244	1028	1028	20.0	260	8.4	30.0	--	8.2
15...	1246	1028	1028	21.0	260	8.5	28.0	--	9.9
15...	1248	1028	1028	23.0	260	8.5	27.0	--	10.6
15...	1250	1028	1028	24.0	255	8.5	24.5	--	12.0
15...	1252	1028	1028	25.0	255	8.6	23.5	--	12.6
15...	1254	1028	1028	27.0	255	8.6	22.5	--	13.1
15...	1256	1028	1028	30.0	255	8.6	21.5	--	13.6
15...	1258	1028	1028	31.0	255	8.6	20.5	--	13.7
15...	1300	1028	1028	33.0	255	8.6	19.5	--	13.2
15...	1302	1028	1028	34.0	260	8.5	18.0	--	12.8
15...	1304	1028	1028	37.0	265	8.5	17.0	--	11.7
15...	1306	1028	1028	40.0	265	8.5	16.5	--	11.6
15...	1308	1028	1028	45.0	265	8.4	15.5	--	11.0
15...	1310	1028	1028	50.0	270	8.4	15.0	--	10.1
15...	1312	1028	1028	55.0	270	8.3	14.0	--	9.6
15...	1314	1028	1028	60.0	270	8.2	13.0	--	8.8
15...	1316	1028	1028	70.0	275	8.1	12.0	--	8.1
15...	1318	1028	1028	80.0	275	7.9	11.0	--	7.5
15...	1320	1028	1028	90.0	275	7.9	10.0	--	7.3
15...	1322	1028	1028	100	275	7.9	9.5	--	7.3
15...	1324	1028	1028	110	275	7.9	9.0	--	7.3
15...	1326	1028	1028	120	270	7.9	8.5	--	7.1
15...	1328	1028	1028	130	170	7.8	8.0	--	6.7
15...	1330	1028	1028	140	270	7.7	7.5	--	6.5
15...	1332	1028	1028	150	270	7.7	7.0	--	6.0
15...	1334	1028	1028	160	270	7.7	7.0	--	5.5
15...	1335	1028	1028	170	275	7.7	6.5	--	4.9

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
SEP										
02...	1500	1028	1028	.0	172	260	8.3	26.5	--	--
02...	1502	1028	1028	10.0	--	260	8.4	26.5	--	--
02...	1504	1028	1028	20.0	--	260	8.4	26.5	--	--
02...	1505	1028	1028	25.0	172	248	8.4	26.5	0	.10
02...	1506	1028	1028	30.0	--	260	8.4	26.0	--	--
02...	1508	1028	1028	32.0	--	260	8.5	25.0	--	--
02...	1512	1028	1028	34.0	--	260	8.5	22.5	--	--
02...	1514	1028	1028	35.0	--	260	8.5	21.0	--	--
02...	1516	1028	1028	36.0	--	260	8.5	20.0	--	--
02...	1518	1028	1028	38.0	--	270	8.4	19.0	--	--
02...	1520	1028	1028	43.0	--	280	8.3	18.0	--	--
02...	1522	1028	1028	45.0	--	280	8.2	17.0	--	--
02...	1524	1028	1028	50.0	--	280	7.9	16.0	--	--
02...	1526	1028	1028	55.0	--	280	7.6	15.0	--	--
02...	1528	1028	1028	60.0	--	280	7.6	14.5	--	--
02...	1530	1028	1028	70.0	--	280	7.6	13.5	--	--
02...	1532	1028	1028	80.0	--	280	7.6	12.5	--	--
02...	1534	1028	1028	90.0	--	280	7.6	11.0	--	--
02...	1535	1028	1028	100	172	280	7.8	10.5	0	.30
02...	1536	1028	1028	110	--	280	7.7	9.5	--	--
02...	1538	1028	1028	120	--	280	7.7	9.0	--	--
02...	1540	1028	1028	130	--	280	7.7	8.5	--	--
02...	1542	1028	1028	140	--	280	7.6	8.0	--	--
02...	1544	1028	1028	150	--	280	7.6	7.5	--	--
02...	1546	1028	1028	160	--	280	7.6	7.0	--	--
02...	1548	1028	1028	165	--	280	7.6	7.0	--	--
02...	1549	1028	1028	170	--	280	7.6	7.0	--	--
02...	1550	1028	1028	172	--	280	7.6	7.0	--	--
17...	1300	1028	1028	.0	--	230	8.4	26.0	--	--
17...	1302	1028	1028	10.0	--	230	8.4	26.0	--	--
17...	1304	1028	1028	20.0	--	230	8.4	26.0	--	--
17...	1306	1028	1028	30.0	--	230	8.4	26.0	--	--
17...	1308	1028	1028	36.0	--	230	8.4	25.0	--	--
17...	1310	1028	1028	38.0	--	230	8.4	24.0	--	--
17...	1312	1028	1028	40.0	--	230	8.4	23.0	--	--
17...	1314	1028	1028	41.0	--	230	8.4	22.0	--	--
17...	1316	1028	1028	42.0	--	235	8.4	20.5	--	--
17...	1318	1028	1028	44.0	--	240	8.3	19.5	--	--
17...	1320	1028	1028	45.0	--	245	8.2	18.5	--	--

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
SEP										
02...	276	9.0	--	0	--	--	--	--	--	--
02...	--	9.0	--	--	--	--	--	--	--	--
02...	--	9.6	--	--	--	--	--	--	--	--
02...	--	13.7	2.7	--	130	19	32	80	12	1.3
02...	--	12.1	--	--	--	--	--	--	--	--
02...	--	14.3	--	--	--	--	--	--	--	--
02...	--	15.5	--	--	--	--	--	--	--	--
02...	--	15.4	--	--	--	--	--	--	--	--
02...	--	14.7	--	--	--	--	--	--	--	--
02...	--	13.0	--	--	--	--	--	--	--	--
02...	--	11.8	--	--	--	--	--	--	--	--
02...	--	10.8	--	--	--	--	--	--	--	--
02...	--	10.7	--	--	--	--	--	--	--	--
02...	--	5.1	--	--	--	--	--	--	--	--
02...	--	4.1	--	--	--	--	--	--	--	--
02...	--	4.2	--	--	--	--	--	--	--	--
02...	--	5.0	--	--	--	--	--	--	--	--
02...	--	5.4	--	--	--	--	--	--	--	--
02...	--	5.6	2.6	--	140	8	37	92	11	1.3
02...	--	5.8	--	--	--	--	--	--	--	--
02...	--	5.7	--	--	--	--	--	--	--	--
02...	--	5.2	--	--	--	--	--	--	--	--
02...	--	4.9	--	--	--	--	--	--	--	--
02...	--	4.3	--	--	--	--	--	--	--	--
02...	--	3.8	--	--	--	--	--	--	--	--
02...	--	3.1	--	--	--	--	--	--	--	--
02...	--	2.3	--	--	--	--	--	--	--	--
02...	--	2.3	--	--	--	--	--	--	--	--
17...	204	8.4	--	--	--	--	--	--	--	--
17...	--	8.4	--	--	--	--	--	--	--	--
17...	--	8.4	--	--	--	--	--	--	--	--
17...	--	8.4	--	--	--	--	--	--	--	--
17...	--	10.7	--	--	--	--	--	--	--	--
17...	--	13.1	--	--	--	--	--	--	--	--
17...	--	14.2	--	--	--	--	--	--	--	--
17...	--	14.3	--	--	--	--	--	--	--	--
17...	--	13.4	--	--	--	--	--	--	--	--
17...	--	11.6	--	--	--	--	--	--	--	--
17...	--	11.2	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
SEP										
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	110	6.3	4.9	.00	.000	.50	.50	.50	2.2	.020
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	130	5.6	4.4	.31	.000	.58	.58	.89	3.9	.010
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP										
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	.000	50	0	0	3	60	0	.1	2	40
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	.000	40	1	10	2	50	10	.0	6	30
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP								
17...	1322	1028	1028	48.0	245	8.0	17.5	8.8
17...	1324	1028	1028	50.0	250	7.8	17.0	7.1
17...	1326	1028	1028	55.0	255	7.6	16.0	4.4
17...	1328	1028	1028	60.0	255	7.5	15.5	2.9
17...	1330	1028	1028	70.0	255	7.5	14.5	2.9
17...	1332	1028	1028	80.0	255	7.5	13.5	3.8
17...	1334	1028	1028	85.0	260	7.5	12.5	4.2
17...	1336	1028	1028	90.0	260	7.6	11.5	4.4
17...	1338	1028	1028	100	255	7.6	10.5	5.0
17...	1340	1028	1028	110	255	7.7	9.5	5.3
17...	1342	1028	1028	120	255	7.7	9.0	4.9
17...	1344	1028	1028	130	260	7.6	8.5	4.5
17...	1346	1028	1028	140	260	7.6	8.0	4.0
17...	1348	1028	1028	150	260	7.6	7.0	3.6
17...	1349	1028	1028	160	260	7.6	7.0	2.4
17...	1350	1028	1028	170	265	7.5	7.0	.7

07054501 WHITE RIVER AT BULL SHOALS DAM, AR

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

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
OCT									
16...	1045	9827	9827	256	7.5	17.0	13.0	5	--
17...	1140	1028	1028	260	7.2	--	14.0	--	--
NOV									
07...	1230	1028	1028	275	7.9	--	15.0	--	--
13...	1030	9827	9827	261	7.6	5.0	9.0	0	--
DEC									
04...	1020	9827	9827	281	7.9	4.0	12.0	5	--
18...	1650	1028	1028	280	7.9	9.0	10.0	5	.70
JAN									
10...	1200	1028	1028	280	8.0	--	9.0	--	--
FEB									
05...	1000	9827	9827	277	8.0	1.0	6.0	5	--
13...	1215	1028	1028	266	8.0	--	7.0	--	--
26...	1000	9827	9827	272	8.1	.0	6.0	15	--
MAR									
12...	0910	1028	1028	269	8.1	--	6.0	--	--
25...	0945	9827	9827	279	8.0	5.0	7.0	15	--
APR									
08...	0830	1028	1028	255	8.2	--	6.5	--	--
MAY									
06...	1000	9827	9827	285	8.0	21.0	9.0	--	--
13...	2100	1028	1028	277	8.0	18.0	8.0	0	.40
20...	0950	9827	9827	279	8.0	18.0	10.0	5	--
JUN									
19...	0900	1028	1028	280	7.9	--	8.5	--	--
24...	1000	9827	9827	294	8.0	28.0	12.0	5	--
JUL									
15...	1145	1028	1028	275	8.0	--	9.5	--	--
22...	1000	9827	9827	--	8.0	27.0	14.0	5	--
AUG									
19...	0945	9827	9827	282	7.7	30.0	13.0	5	--
SEP									
02...	1400	1028	1028	280	8.0	27.0	12.0	0	.10
16...	0950	9827	9827	287	7.8	27.0	13.0	--	--
17...	1410	1028	1028	255	8.0	--	11.0	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)
OCT									
16...	1045	3.2	30	<.1	<4	--	130	--	36
17...	1140	2.6	--	--	--	--	--	--	--
NOV									
07...	1230	4.9	--	--	--	--	--	--	--
13...	1030	6.5	56	--	4	--	--	--	--
DEC									
04...	1020	8.2	76	.7	<4	--	--	--	--
18...	1650	7.7	--	1.0	--	0	150	16	--
JAN									
10...	1200	9.6	--	--	--	--	--	--	--
FEB									
05...	1000	11.6	93	2.1	<4	--	--	--	--
13...	1215	11.4	--	--	--	--	--	--	--
26...	1000	11.6	93	.7	<5	--	--	--	--
MAR									
12...	0910	11.2	--	--	--	--	--	--	--
25...	0945	12.3	101	1.6	<4	--	--	--	--
APR									
08...	0830	11.7	--	--	--	--	--	--	--
MAY									
06...	1000	11.0	95	.7	<4	--	--	--	--
13...	2100	10.2	--	.5	--	0	140	8	--
20...	0950	11.0	97	--	8	--	--	--	--
JUN									
19...	0900	9.2	--	--	--	--	--	--	--
24...	1000	9.5	88	1.5	<4	--	--	--	--
JUL									
15...	1145	7.5	--	--	--	--	--	--	--
22...	1000	8.8	85	2.5	<4	--	--	--	38
AUG									
19...	0945	8.1	76	2.1	15	--	--	--	--
SEP									
02...	1400	9.4	--	1.4	--	1	140	8	--
16...	0950	7.5	71	.8	4	--	--	--	--
17...	1410	8.2	--	--	--	--	--	--	--

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)
OCT								
16...	1045	--	--	9.3	--	2.7	1.0	110
DEC								
18...	1650	37	92	--	13	--	1.2	130
FEB								
05...	1000	--	--	--	--	2.4	1.0	140
MAY								
06...	1000	--	--	--	--	--	--	130
13...	2100	37	92	--	11	--	.9	130
JUL								
22...	1000	--	--	11	--	3.0	15	140
SEP								
02...	1400	37	92	--	11	--	1.3	130

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT									
16...	1045	6.0	8.0	--	1	.50	.010	--	.030
NOV									
13...	1030	5.0	5.5	157	4	.29	.010	--	--
DEC									
04...	1020	4.0	6.0	152	2	.18	.010	--	.060
18...	1650	7.9	3.9	--	--	--	--	.21	.000
FEB									
05...	1000	6.0	6.0	153	1	.23	<.010	--	.050
26...	1000	6.0	6.0	160	8	.20	.010	--	.040
MAR									
25...	0945	3.0	7.0	166	4	.21	<.010	--	.010
MAY									
06...	1000	10	5.0	153	--	.21	.010	--	.020
13...	2100	5.9	3.5	--	--	--	--	.23	.080
20...	0950	6.0	6.0	155	1	.22	<.010	--	.020
JUN									
24...	1000	8.0	6.0	158	--	.33	.010	--	.050
JUL									
22...	1000	9.0	8.0	80	2	.33	<.010	--	.040
AUG									
19...	0945	7.0	6.5	137	1	.30	<.010	--	.020
SEP									
02...	1400	7.5	5.1	--	--	--	--	.28	.000
16...	0950	3.0	7.5	156	6	.33	.020	--	--

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)
OCT										
16...	1045	--	--	--	--	.010	--	--	<5	<10
NOV										
13...	1030	--	--	--	--	<.010	--	--	--	--
DEC										
04...	1020	--	--	--	--	<.010	--	--	--	--
18...	1650	.40	.40	.61	2.7	.000	.000	30	1	--
FEB										
05...	1000	--	--	--	--	.010	--	--	--	<10
26...	1000	--	--	--	--	<.010	--	--	--	--
MAY										
06...	1000	--	--	--	--	<.010	--	--	--	<10
13...	2100	.43	.51	.74	3.3	.050	.000	20	1	--
20...	0950	--	--	--	--	<.010	--	--	--	--
JUN										
24...	1000	--	--	--	--	<.010	--	--	--	--
JUL										
22...	1000	--	--	--	--	--	--	--	--	<10
AUG										
19...	0945	--	--	--	--	.020	--	--	--	--
SEP										
02...	1400	.39	.39	.67	3.0	.010	.000	40	0	--
16...	0950	--	--	--	--	<.010	--	--	--	--

DATE	TIME	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)
OCT									
16...	1045	<5	<20	<30	<10	33	20	--	--
DEC									
18...	1650	8	2	20	1	150	0	.0	0
FEB									
05...	1000	<5	<20	--	<10	40	<10	--	--
MAY									
06...	1000	--	<20	70	--	14	<10	--	--
13...	2100	0	1	100	3	10	10	.0	1
JUL									
22...	1000	--	<20	30	<10	<10	20	--	--
SEP									
02...	1400	10	2	50	3	10	20	.0	2

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 13...	1030	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07055000 WHITE RIVER NEAR FLIPPIN, AR

LOCATION.--Lat 36°18'35", long 92°33'28", NE 1/4 NW 1/4 sec.10, T.19 N., R.15 W., Marion County, Hydrologic Unit 11010003, on right bank 1.4 mi (2.3 km) upstream from Hightower Creek, 3.2 mi (5.1 km) northeast of Flippin, 11.9 mi (19.1 km) downstream from Bull Shoals Dam, 11.8 mi (19.0 km) upstream from Crooked Creek, and at mile 406.7 (654.4 km).

DRAINAGE AREA.--6,081 mi^2 (15,750 km^2).

PERIOD OF RECORD.--October 1928 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

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

GAGE.--Water-stage recorder. Datum of gage is 419.66 ft (127.912 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Dec. 21, 1938, nonrecording gage at site 1.1 mi (1.7 km) upstream at datum 1.52 ft (0.463 m) higher.

REMARKS.--Records good. Flow completely regulated since July 24, 1951, by Bull Shoals Lake, 11.9 mi (19.1 km) upstream, capacity, 5,408,000 acre-ft (6.67 km^3). Prior to this date, some regulation at low flow by Lake Taneycomo (Missouri) 100 mi (161 km) upstream, capacity, 23,700 acre-ft (29.2 hm^3). Some regulation since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft (4.40 km^3), and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft (2.41 km^3).

AVERAGE DISCHARGE.--52 years, 6,008 ft^3/s (170 m^3/s), 4,353,000 acre-ft/yr (5,370 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 215,000 ft^3/s (6,090 m^3/s) Apr. 17, 1945, gage height, 39.82 ft (12.137 m); minimum daily, 90 ft^3/s (2.55 m^3/s) Aug. 3, 1949, caused by temporary storage behind Bull Shoals Dam upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 16, 1927, reached a stage of 45.4 ft (13.84 m) original site and datum, or about 41 ft (12.5 m), present site and datum, discharge, 240,000 ft^3/s (6,800 m^3/s), from data by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,700 ft^3/s (700 m^3/s) July 14, gage height, 12.48 ft (3.804 m); minimum daily, 207 ft^3/s (5.86 m^3/s) Nov. 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5360	8850	624	395	5950	7700	449	3930	7580	10800	5390	1510
2	5220	7130	731	3420	2520	5450	258	9310	15700	3850	1860	936
3	4840	4550	7260	1790	575	7890	657	15200	6560	5920	959	3010
4	5830	2290	3210	2820	3270	9250	886	5270	6350	7920	1450	1980
5	6630	5450	1750	2800	1340	7880	794	3030	10400	6750	1760	6040
6	3770	9990	1700	1760	2380	7470	426	4180	9930	5650	4150	4740
7	2010	12900	1960	7660	1920	7710	1720	4400	8620	7170	8190	3880
8	7870	8170	3080	664	2170	1980	3510	5390	3710	9460	4280	8960
9	8480	6610	1310	4600	646	976	5330	5640	399	9230	3910	2770
10	8560	3070	3650	5830	333	2630	3530	3530	596	9970	1620	634
11	6320	1420	3180	3250	1880	6360	5670	2930	436	10300	7810	3120
12	2890	9030	8340	777	4550	9230	3410	7150	761	10400	4680	1890
13	1090	8980	1470	240	2870	5930	2580	7130	1830	8650	1070	2020
14	217	6290	902	268	523	3170	7470	12600	9140	13600	1230	1150
15	4460	6630	419	940	1400	993	1630	13200	3360	10600	2530	1330
16	10700	3470	1290	1960	1740	1230	1640	12000	1040	10800	2210	1770
17	17500	913	12000	903	2810	6670	1790	10300	1430	7410	2040	1010
18	15300	218	4840	788	11700	4570	1760	3880	3520	7430	2360	683
19	16100	1620	2440	1100	3200	3100	793	5790	3470	6030	5330	984
20	16300	987	383	565	474	4750	246	3630	602	3480	4210	815
21	17300	570	360	818	238	2150	5550	3830	3190	1020	1340	2790
22	19100	558	243	1340	234	436	2560	3380	978	1380	1730	1410
23	18000	212	331	1220	230	360	3720	3370	3090	3190	724	457
24	9860	309	1630	1330	233	1730	2680	2060	3190	1400	505	399
25	7740	207	533	659	2580	2420	4690	4660	7730	3210	902	682
26	4370	1250	710	271	2760	4000	5220	1280	9570	2020	3650	539
27	1780	1220	1390	555	992	3100	1170	2650	9850	953	831	595
28	1390	2140	6660	3790	1580	1260	3740	4910	11300	1950	1170	632
29	7000	3340	1330	2080	5490	677	5870	1860	3330	3750	2650	411
30	14700	2790	969	2770	---	723	5080	1690	5090	7810	2490	467
31	14200	---	1350	10300	---	918	---	5450	---	6440	1130	---
TOTAL	264887	121164	76045	67663	66588	122713	84829	173630	152752	198543	84161	57614
MEAN	8545	4039	2453	2183	2296	3958	2828	5601	5092	6405	2715	1920
MAX	19100	12900	12000	10300	11700	9250	7470	15200	15700	13600	8190	8960
MIN	217	207	243	240	230	360	246	1280	399	953	505	399
AC-FT	525400	240300	150800	134200	132100	243400	168300	344400	303000	393800	166900	114300

CAL YR 1979 TOTAL 2648980 MEAN 7257 MAX 24000 MIN 207 AC-FT 5254000
WTR YR 1980 TOTAL 1470589 MEAN 4018 MAX 19100 MIN 207 AC-FT 2917000

07055500 WHITE RIVER AT COTTER, AR

LOCATION.--Lat 36°16'02", long 92°32'39", in NW 1/4 NW 1/4 sec.26, T.19 N., R.15 W., Marion County, Hydrologic Unit 11010003, temperature recorder on right bank, 300 ft (91 m) downstream from bridge on U.S. Highway 62, 2.0 mi (3.2 km) southwest of Cotter, 3.3 mi (5.3 km) downstream from Hightower Creek, and 17.0 mi (27.4 km) downstream from Bull Shoals Dam.

DRAINAGE AREA.--6,129 mi^2 (15,874 km^2).

PERIOD OF RECORD.--October 1947 to July 1959, October 1966 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to May 1955, December 1955 to July 1959, October 1966 to current year.

INSTRUMENTATION.--Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 26.0°C Sept. 20, 1954; minimum daily, 0.0°C Feb. 8, 1971, Jan. 18, 31, 1977, and on many days during winter months in 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 25.5°C Aug. 5.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	14.5	12.0										
2	14.0	11.5										
3	14.0	11.0										
4	13.5	11.0										
5	13.5	10.5										
6	14.0	11.5										
7	15.5	11.0										
8	15.0	12.0										
9	13.0	12.0										
10	13.5	11.0										
11	14.0	11.0										
12	15.5	11.5										
13	14.5	11.5										
14	14.0	9.5										
15	13.5	12.0										
16	14.0	12.0										
17	13.5	13.0										
18	---	---										
19	---	---										
20	---	---										
21	---	---										
22	---	---										
23	---	---										
24	---	---										
25	---	---										
26	---	---										
27	---	---										
28	---	---										
29	---	---										
30	---	---										
31	---	---										
MONTH	15.5	9.5										

WHITE RIVER BASIN

07055500 WHITE RIVER AT COTTER, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	9.5	8.5	16.5	8.5	15.5	9.0	15.5	10.0	21.0	13.5
2	---	---	10.0	8.0	15.0	8.5	15.0	9.0	19.0	10.0	18.5	12.0
3	---	---	9.0	8.0	15.0	8.5	20.0	9.5	19.5	14.0	19.0	11.5
4	---	---	11.5	8.0	16.0	9.0	14.0	9.5	21.0	14.5	16.5	11.0
5	---	---	13.5	8.0	15.0	8.5	15.0	9.5	21.5	14.0	13.5	11.5
6	---	---	12.0	8.5	14.5	8.5	16.5	9.5	20.0	11.0	18.5	10.5
7	---	---	12.0	8.0	15.5	9.0	---	---	14.0	10.5	18.5	10.5
8	---	---	10.0	8.0	---	---	---	---	19.0	10.5	16.0	10.5
9	---	---	10.5	7.0	---	---	---	---	18.5	10.5	18.5	10.5
10	---	---	14.0	7.0	20.0	14.0	16.0	8.5	20.0	11.0	19.5	14.0
11	---	---	15.0	8.5	20.0	14.5	16.0	9.5	19.5	10.5	20.0	11.0
12	---	---	11.5	9.0	19.0	15.5	15.5	9.5	19.5	10.5	19.0	11.0
13	---	---	12.0	8.5	20.0	13.0	---	---	15.5	11.0	19.0	12.0
14	---	---	9.5	8.0	14.5	9.0	---	---	19.5	14.5	18.5	12.0
15	---	---	9.0	8.0	16.5	9.0	---	---	20.5	12.0	20.5	14.5
16	---	---	8.5	8.5	15.5	10.5	---	---	19.5	11.5	19.0	12.0
17	---	---	10.5	8.5	15.5	10.5	---	---	20.5	12.0	15.5	13.0
18	---	---	10.5	8.5	18.0	9.0	---	---	15.5	11.5	19.5	13.5
19	---	---	13.0	9.0	15.5	9.0	---	---	19.0	10.5	20.0	14.5
20	---	---	14.5	8.5	13.5	10.5	18.0	10.0	19.0	10.5	20.0	14.0
21	---	---	14.5	9.0	19.0	9.5	19.0	10.5	19.0	11.0	20.0	12.0
22	---	---	10.5	8.5	19.0	9.0	20.5	14.0	20.0	13.0	16.5	11.5
23	---	---	11.5	8.5	20.5	10.0	20.0	10.5	19.0	11.5	15.5	15.0
24	---	8.0	14.0	9.0	18.5	9.5	19.0	10.0	21.0	15.5	17.0	14.0
25	13.0	8.0	11.5	9.0	14.5	9.0	18.0	12.0	20.5	14.0	18.0	15.5
26	10.0	8.0	16.5	9.0	15.5	9.0	13.5	10.5	20.0	11.0	15.5	13.0
27	8.5	8.0	18.0	10.0	16.0	9.0	21.0	13.5	19.0	10.5	14.0	13.0
28	12.0	9.5	16.5	8.5	17.0	9.0	20.0	13.0	19.0	14.5	13.5	13.0
29	11.5	8.0	16.5	8.5	15.5	9.0	15.5	10.5	19.5	11.5	14.0	13.0
30	10.5	8.0	18.0	11.0	18.5	9.5	14.5	10.0	19.0	11.0	15.0	13.0
31	---	---	15.0	9.0	---	---	14.5	10.0	20.5	13.0	---	---
MONTH	13.0	8.0	18.0	7.0	20.5	8.5	21.0	8.5	21.5	10.0	21.0	10.5

07056000 BUFFALO RIVER NEAR ST. JOE, AR

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

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

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 1,030 ft^3/s (29.2 m^3/s) 16.87 in/yr (428 mm/yr), 746,200 acre-ft/yr (920 hm^3/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,660 ft^3s (217 m^3/s) Dec. 24, gage height, 12.31 ft (3.752 m), no peak above base of 13,000 ft^3/s (370 m^3/s); minimum 11 ft^3/s (0.31 m^3/s) Sept. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	81	220	620	207	284	2030	603	490	213	44	14
2	69	93	200	546	198	274	1690	553	421	193	42	14
3	67	134	190	490	193	261	1450	507	371	174	39	13
4	63	124	175	447	187	253	1270	464	331	158	38	14
5	61	111	160	406	186	247	1100	424	297	141	36	14
6	58	102	150	379	180	249	975	391	270	130	35	13
7	54	96	145	356	177	251	924	407	247	121	34	13
8	52	103	140	342	190	244	1490	417	224	112	32	12
9	49	373	135	321	193	237	1680	360	204	106	31	12
10	48	695	128	309	192	230	1330	344	189	98	30	12
11	46	569	126	302	186	223	1150	317	175	92	29	12
12	43	378	147	325	184	229	1020	358	163	88	29	11
13	41	285	238	315	186	245	921	462	152	84	27	29
14	39	236	509	316	193	277	1060	538	143	80	26	35
15	40	204	577	308	248	303	1180	460	133	76	26	35
16	40	181	509	302	528	292	1470	1430	131	72	25	30
17	40	164	430	313	761	769	1410	4600	152	70	24	27
18	42	150	368	313	676	2130	1280	3000	1120	66	23	21
19	42	139	324	313	608	1540	1370	2340	2240	64	23	21
20	44	134	296	308	569	1210	1160	1830	1100	61	22	19
21	46	146	280	299	530	1120	990	2000	691	57	21	18
22	61	596	272	294	475	1120	908	2330	486	53	20	18
23	51	1010	1230	285	430	990	817	2770	1270	50	20	34
24	50	683	6350	277	393	1950	743	2970	938	48	19	34
25	49	504	3860	268	365	2420	736	2240	691	47	19	38
26	48	397	2340	260	338	1900	774	1650	503	48	18	39
27	48	333	1650	251	318	1550	829	1210	393	47	18	42
28	51	289	1200	238	302	1360	801	949	327	45	16	52
29	47	255	969	229	287	1330	720	808	274	45	16	53
30	49	240	821	223	---	1990	658	703	236	45	15	61
31	99	---	713	216	---	2460	---	585	---	44	15	---
TOTAL	1609	8805	24852	10171	9480	27938	33936	38020	14362	2728	812	760
MEAN	51.9	294	802	328	327	901	1131	1226	479	88.0	26.2	25.3
MAX	99	1010	6350	620	761	2460	2030	4600	2240	213	44	61
MIN	39	81	126	216	177	223	658	317	131	44	15	11
CFSM	.06	.36	.97	.40	.39	1.09	1.36	1.48	.58	.11	.03	.03
IN.	.07	.40	1.12	.46	.43	1.25	1.52	1.71	.64	.12	.04	.03
AC-FT	3190	17460	49290	20170	18800	55420	67310	75410	28490	5410	1610	1510

CAL YR 1979	TOTAL	529565	MEAN	1451	MAX	20000	MIN 39	CFSM 1.75	IN 23.76	AC-FT	1050000	
WTR YR 1980	TOTAL	173473	MEAN	474	MAX	6350	MIN 11	CFSM .57	IN 7.78	AC-FT	344100	

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

WATER-QUALITY RECORDS

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
16...	0900	9827	9827	246	7.8	15.0	16.0	10	8.4	84	4
NOV											
13...	0840	9827	9827	240	7.6	3.0	8.0	5	10.7	90	4
DEC											
04...	0830	9827	9827	209	7.9	-1.0	5.0	5	11.9	93	1
FEB											
05...	0800	9827	9827	193	7.8	.0	4.0	5	11.9	91	<1
26...	0800	9827	9827	171	8.0	-6.0	5.0	5	12.0	94	<3
MAR											
25...	0805	9827	9827	154	7.8	7.0	9.0	10	10.8	93	7
MAY											
06...	0830	9827	9827	201	7.9	16.0	17.0	--	8.7	90	3
20...	0815	9827	9827	157	7.8	17.0	18.0	20	8.7	92	--
JUN											
24...	0815	9827	9827	239	8.0	27.0	23.0	40	7.5	86	7
JUL											
22...	0830	9827	9827	--	7.9	26.0	27.0	10	6.2	77	<1
AUG											
19...	0850	9827	9827	235	7.7	27.0	26.0	5	6.7	82	1
SEP											
16...	0830	9827	9827	239	7.9	26.0	22.0	--	6.3	78	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	0900	.9	32	110	39	3.6	2.1	.8	110	5.5	4.0
NOV											
13...	0840	--	37	--	--	--	--	--	--	4.5	5.0
DEC											
04...	0830	2.5	8	--	--	--	--	--	--	4.0	3.0
FEB											
05...	0800	2.3	4	--	--	--	1.7	.6	110	3.5	5.0
26...	0800	.7	<5	--	--	--	--	--	--	3.5	5.0
MAR											
25...	0805	1.5	68	--	--	--	--	--	--	3.5	3.0
MAY											
06...	0830	.9	8	--	--	--	--	--	88	5.0	9.0
20...	0815	--	80	--	--	--	--	--	--	--	4.0
JUN											
24...	0815	2.8	60	--	--	--	--	--	--	4.0	6.0
JUL											
22...	0830	1.6	8	--	42	3.2	2.0	.9	120	8.5	5.0
AUG											
19...	0850	2.8	<4	--	--	--	--	--	--	6.0	4.0
SEP											
16...	0830	2.4	<4	--	--	--	--	--	--	5.5	1.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
16...	0900	--	2	.04	.010	.020	.20	.020	<5	<10	<5
NOV											
13...	0840	139	6	.13	.010	--	1.5	.010	--	--	--
DEC											
04...	0830	119	1	.01	<.010	.020	.00	<.010	--	--	--
FEB											
05...	0800	104	<1	.07	<.010	.050	.10	.010	--	<10	<5
26...	0800	99	2	.01	.010	.110	.70	.010	--	--	--
MAR											
25...	0805	113	14	.11	<.010	.020	1.1	--	--	--	--
MAY											
06...	0830	110	--	.02	<.010	.010	.10	<.010	--	<10	--
20...	0815	107	7	.16	<.010	.010	.40	.020	--	--	--
JUN											
24...	0815	154	--	.22	.010	.060	.50	.050	--	--	--
JUL											
22...	0830	143	4	.05	<.010	.050	.40	--	--	<10	--
AUG											
19...	0850	134	2	.03	<.010	.040	.60	.030	--	--	--
SEP											
16...	0830	132	5	.06	.010	--	1.1	<.010	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	0900	<20	40	40	24	30	--	--	--	--	--
NOV											
13...	0840	--	--	--	--	--	.00	.00	.00	.00	.00
FEB											
05...	0800	<20	--	<10	<10	<10	--	--	--	--	--
MAY											
06...	0830	<20	80	--	53	<10	--	--	--	--	--
JUL											
22...	0830	<20	70	<10	21	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
13...	0840	.00	.00	.00	.00	0	.00

07057246 WHITE RIVER NEAR LONE ROCK, AR

LOCATION.--Lat 36°11'35", long 92°22'52", in NE 1/4 sec.33, T.18 N., R.13 W., Baxter County, Hydrologic Unit 11010004, 2.0 mi (3.2 km) above Shipps Ferry, and at mile 384.3.

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1978 to current year.

INSTRUMENTATION.--Temperature recorder since October 1978.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 28.0°C Jul. 22, 1980; minimum daily, 0.5°C Feb. 19, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.0°C Jul. 22; minimum daily, 1.0°C Feb. 8, 11.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.0	14.0	14.5	13.0	11.0	9.5	---	---	6.0	5.0	5.0	4.0
2	16.0	13.0	14.5	13.0	12.0	10.5	---	---	5.5	5.0	5.5	3.5
3	15.5	13.0	---	---	12.0	9.0	---	---	5.0	4.0	6.0	4.0
4	15.0	13.0	---	---	10.5	7.0	---	---	5.0	3.5	6.0	5.5
5	15.5	11.5	14.0	11.0	11.0	10.0	---	---	6.5	4.5	6.5	4.5
6	14.5	13.0	14.0	13.0	10.5	9.5	---	---	6.5	4.5	6.0	4.0
7	16.5	13.0	14.0	13.0	10.0	9.5	---	---	4.5	3.5	9.5	5.5
8	19.0	14.5	13.5	12.0	10.0	8.0	---	---	3.5	1.0	6.5	5.0
9	14.5	12.0	12.0	12.0	9.0	5.5	---	---	4.5	2.0	9.0	5.5
10	13.5	11.5	---	---	9.0	5.5	---	---	6.0	1.0	13.0	5.5
11	15.5	11.5	---	---	7.0	5.0	---	---	8.0	1.0	8.5	5.5
12	15.0	13.0	---	---	9.0	6.5	---	---	6.0	3.0	5.5	5.0
13	15.0	11.5	---	---	9.0	7.0	---	---	6.5	4.5	---	---
14	16.0	10.0	---	---	9.0	8.0	---	---	9.0	5.0	---	---
15	18.0	12.0	---	---	9.0	8.0	---	---	9.5	6.5	---	---
16	15.5	13.0	---	---	10.0	7.0	---	---	6.5	3.5	---	---
17	15.0	15.5	---	---	9.5	5.5	---	---	5.0	2.0	9.5	5.5
18	17.0	15.5	---	---	9.0	6.0	---	---	5.5	3.0	8.0	4.5
19	17.0	16.0	16.5	12.0	11.0	9.0	---	---	5.5	5.0	9.0	6.5
20	15.5	13.5	15.5	14.0	12.0	11.0	---	---	8.0	5.5	9.0	6.5
21	18.0	13.5	15.0	14.0	10.0	8.0	---	---	11.5	6.5	8.5	5.0
22	14.5	13.0	14.0	10.5	9.5	6.5	8.0	5.5	11.5	8.0	10.0	6.5
23	15.0	13.0	---	---	8.5	5.5	8.0	5.0	11.0	8.5	10.0	9.5
24	15.0	14.0	---	---	6.5	3.5	9.0	5.0	8.5	7.0	9.5	8.0
25	15.0	13.5	---	---	11.0	3.0	9.0	6.0	8.0	5.5	8.0	6.5
26	15.5	13.5	---	---	---	---	8.0	5.5	6.5	4.0	8.0	6.0
27	19.0	13.0	---	---	---	---	5.5	4.5	9.5	4.5	8.5	6.0
28	---	---	---	---	---	---	5.5	3.5	13.0	7.0	9.5	7.0
29	---	---	---	---	---	---	5.5	4.5	9.0	5.0	10.0	9.0
30	14.5	14.0	---	---	---	---	4.5	3.5	---	---	10.0	9.0
31	14.5	13.5	---	---	---	---	5.0	3.5	---	---	10.0	9.0
MONTH	19.0	10.0	16.5	10.5	12.0	3.0	9.0	3.5	13.0	1.0	13.0	3.5

07057246 WHITE RIVER NEAR LONE ROCK, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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

07057370 WHITE RIVER NEAR NORFORK, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1145	9827	9827	271	7.8	18.0	15.0	5	8.4	82
NOV										
13...	1130	9827	9827	277	7.7	7.0	11.0	0	8.7	78
DEC										
04...	1105	9827	9827	288	8.0	7.0	11.0	5	9.7	87
FEB										
05...	1110	9827	9827	272	8.1	3.0	5.0	5	11.2	88
26...	1110	9827	9827	283	8.2	.0	5.0	10	12.9	101
MAR										
25...	1045	9827	9827	251	8.0	5.0	8.0	15	11.2	94
MAY										
06...	1050	9827	9827	281	8.2	21.0	14.0	--	11.1	107
20...	1050	9827	9827	235	8.0	24.0	14.0	10	10.2	98
JUN										
24...	1045	9827	9827	283	8.1	29.0	17.0	10	9.3	96
JUL										
22...	1055	9827	9827	--	8.2	30.0	20.0	5	9.6	104
AUG										
19...	1035	9827	9827	280	8.0	31.0	17.0	5	9.8	101
SEP										
16...	1045	9827	9827	282	8.3	29.0	22.0	--	9.4	107

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1145	.1	24	130	36	9.5	2.1	1.0	120	7.0	6.0
NOV											
13...	1130	--	16	--	--	--	--	--	--	5.5	6.0
DEC											
04...	1105	1.2	16	--	--	--	--	--	--	6.0	4.0
FEB											
05...	1110	1.0	<4	--	--	--	2.6	1.0	140	6.0	5.0
26...	1110	.6	<5	--	--	--	--	--	--	6.5	6.0
MAR											
25...	1045	1.5	40	--	--	--	--	--	--	4.5	3.0
MAY											
06...	1050	.4	<4	--	--	--	--	--	110	5.0	12
20...	1050	--	<4	--	--	--	--	--	--	5.5	6.0
JUN											
24...	1045	1.0	120	--	--	--	--	--	--	5.5	7.0
JUL											
22...	1055	1.3	4	--	37	11	3.0	2.0	140	8.5	8.0
AUG											
19...	1035	1.2	12	--	--	--	--	--	--	7.5	7.0
SEP											
16...	1045	1.1	240	--	--	--	--	--	--	8.0	3.0

07057370 WHITE RIVER NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1145	--	4	.47	.010	.010	.010	<5	<10	<5
NOV										
13...	1130	157	4	.31	.010	--	<.010	--	<10	--
DEC										
04...	1105	156	4	.19	.010	.040	.010	--	<10	--
FEB										
05...	1110	156	4	.22	<.010	.030	.010	--	<10	<5
26...	1110	167	5	.16	.010	.040	<.010	--	<10	--
MAR										
25...	1045	156	4	.13	.010	.010	--	--	<10	--
MAY										
06...	1050	148	--	.15	<.010	.170	<.010	--	<10	--
20...	1050	133	8	.18	<.010	.020	.010	--	<10	--
JUN										
24...	1045	155	--	.29	.010	.040	.030	--	<10	--
JUL										
22...	1055	155	3	.17	<.010	.040	--	--	<10	--
AUG										
19...	1035	140	3	.25	<.010	.030	.020	--	<10	--
SEP										
16...	1045	164	13	.22	.020	--	.010	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
16...	1145	20	680	<10	33	70
NOV						
13...	1130	<20	490	--	110	20
DEC						
04...	1105	<20	<30	--	<10	30
FEB						
05...	1110	<20	--	20	46	30
26...	1110	30	470	--	53	60
MAR						
25...	1045	<20	340	--	130	40
MAY						
06...	1050	<20	80	--	33	20
20...	1050	<20	350	--	21	20
JUN						
24...	1045	20	230	--	64	30
JUL						
22...	1055	<20	70	<10	19	50
AUG						
19...	1035	<20	70	--	16	40
SEP						
16...	1045	60	90	--	23	70

07059500 NORFORK LAKE NEAR NORFORK, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
17...	1330	1028	1028	.0	285	8.1	21.0	146	6.7
17...	1332	1028	1028	10.0	285	8.0	20.5	--	6.5
17...	1334	1028	1028	20.0	285	8.0	20.5	--	6.4
17...	1336	1028	1028	30.0	290	8.0	20.5	--	6.4
17...	1338	1028	1028	40.0	290	8.0	20.5	--	6.3
17...	1340	1028	1028	50.0	290	8.0	20.5	--	6.3
17...	1342	1028	1028	60.0	290	8.0	20.5	--	6.2
17...	1344	1028	1028	70.0	300	7.5	20.0	--	2.0
17...	1346	1028	1028	80.0	305	7.3	19.0	--	.1
17...	1348	1028	1028	90.0	300	7.3	18.0	--	.0
17...	1350	1028	1028	100	300	7.2	17.0	--	.0
17...	1352	1028	1028	103	295	7.2	16.0	--	.0
17...	1354	1028	1028	110	295	7.2	15.0	--	.0
17...	1356	1028	1028	120	310	7.2	14.0	--	.0
17...	1358	1028	1028	125	315	7.2	13.0	--	.0
17...	1400	1028	1028	130	325	7.2	12.5	--	.0
17...	1402	1028	1028	135	335	7.2	11.5	--	.0
17...	1403	1028	1028	140	335	7.2	10.5	--	.0
17...	1404	1028	1028	150	335	7.2	9.5	--	.0
17...	1405	1028	1028	157	335	7.3	9.5	--	.1
NOV									
07...	1430	1028	1028	.0	305	8.2	18.0	128	6.7
07...	1432	1028	1028	10.0	305	8.2	18.0	--	6.5
07...	1434	1028	1028	20.0	305	8.2	18.0	--	6.3
07...	1436	1028	1028	30.0	305	8.1	18.0	--	6.3
07...	1438	1028	1028	40.0	305	8.1	18.0	--	6.3
07...	1440	1028	1028	50.0	305	8.1	18.0	--	6.3
07...	1442	1028	1028	60.0	305	8.1	18.0	--	6.3
07...	1444	1028	1028	70.0	305	8.1	17.5	--	6.3
07...	1446	1028	1028	80.0	305	8.1	17.5	--	6.3
07...	1448	1028	1028	90.0	310	8.1	17.5	--	6.4
07...	1450	1028	1028	100	310	8.1	17.5	--	6.4
07...	1452	1028	1028	105	310	7.7	16.5	--	2.7
07...	1454	1028	1028	110	310	7.6	16.0	--	.2
07...	1456	1028	1028	118	315	7.5	15.0	--	.0
07...	1458	1028	1028	120	320	7.5	14.5	--	.0
07...	1500	1028	1028	124	330	7.5	13.5	--	.0
07...	1502	1028	1028	130	335	7.5	12.5	--	.0
07...	1504	1028	1028	140	345	7.5	11.5	--	.0
07...	1505	1028	1028	150	345	7.5	10.5	--	.0

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
18...	1250	1028	1028	.0	155	300	7.9	10.5	--	--
18...	1252	1028	1028	10.0	--	300	7.9	10.5	--	--
18...	1254	1028	1028	20.0	--	300	7.9	10.5	--	--
18...	1255	1028	1028	25.0	155	300	7.9	10.5	5	1.4
18...	1256	1028	1028	30.0	--	300	7.9	10.5	--	--
18...	1258	1028	1028	40.0	--	300	7.9	10.5	--	--
18...	1300	1028	1028	50.0	--	300	7.9	10.5	--	--
18...	1302	1028	1028	60.0	--	300	7.9	10.5	--	--
18...	1304	1028	1028	70.0	--	300	7.9	10.5	--	--
18...	1306	1028	1028	80.0	--	300	7.9	10.5	--	--
18...	1308	1028	1028	90.0	--	300	7.9	10.5	--	--
18...	1310	1028	1028	100	155	300	7.9	10.5	5	1.4
18...	1312	1028	1028	110	--	300	7.9	10.5	--	--
18...	1314	1028	1028	120	--	300	7.9	10.5	--	--
18...	1316	1028	1028	130	--	300	7.9	10.5	--	--
18...	1318	1028	1028	140	--	300	7.9	10.5	--	--
18...	1319	1028	1028	150	--	300	7.9	10.0	--	--
18...	1320	1028	1028	156	--	300	7.9	10.0	--	--

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
18...	114	7.5	--	0	--	--	--	--	--	--
18...	--	7.3	--	--	--	--	--	--	--	--
18...	--	7.2	--	--	--	--	--	--	--	--
18...	--	7.2	1.3	--	170	14	35	88	21	1.2
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	1.3	--	170	7	34	85	20	1.2
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.1	--	--	--	--	--	--	--	--
18...	--	7.0	--	--	--	--	--	--	--	--

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	160	6.2	2.5	.20	.000	.25	.25	.45	2.0	.020
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	160	4.4	2.4	.19	.000	.26	.26	.45	2.0	.020
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	.010	0	1	12	7	90	70	.0	2	10
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	.000	10	1	16	6	120	70	.0	2	10
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
10...	1400	1028	1028	.0	325	8.1	9.0	94.0	9.3
10...	1402	1028	1028	10.0	325	8.1	9.0	--	9.3
10...	1404	1028	1028	20.0	325	8.1	8.5	--	9.3
10...	1406	1028	1028	30.0	325	8.1	8.5	--	9.2
10...	1408	1028	1028	40.0	325	8.1	8.5	--	9.2
10...	1410	1028	1028	50.0	325	8.1	8.5	--	9.2
10...	1412	1028	1028	60.0	325	8.1	8.5	--	9.2
10...	1414	1028	1028	70.0	325	8.1	8.5	--	9.2
10...	1416	1028	1028	80.0	325	8.1	8.5	--	9.2
10...	1418	1028	1028	90.0	325	8.1	8.5	--	9.2
10...	1420	1028	1028	100	325	8.1	8.5	--	9.2
10...	1422	1028	1028	110	325	8.1	8.5	--	9.2
10...	1424	1028	1028	120	325	8.1	8.5	--	9.2
10...	1426	1028	1028	130	325	8.1	8.5	--	9.2
10...	1428	1028	1028	140	325	8.1	8.5	--	9.2
10...	1429	1028	1028	150	325	8.1	8.5	--	9.1
10...	1430	1028	1028	154	325	8.1	8.5	--	9.1
FEB									
13...	1015	1028	1028	.0	312	8.3	5.5	100	10.7
13...	1016	1028	1028	10.0	320	8.3	6.0	--	10.6
13...	1018	1028	1028	20.0	320	8.3	6.0	--	10.6
13...	1020	1028	1028	30.0	320	8.3	6.0	--	10.5
13...	1022	1028	1028	40.0	320	8.3	6.0	--	10.5
13...	1024	1028	1028	50.0	320	8.3	6.0	--	10.5
13...	1026	1028	1028	60.0	320	8.3	6.0	--	10.5
13...	1028	1028	1028	70.0	320	8.3	6.0	--	10.5
13...	1030	1028	1028	80.0	320	8.3	6.0	--	10.4
13...	1032	1028	1028	90.0	320	8.3	6.0	--	10.4
13...	1034	1028	1028	100	320	8.3	6.0	--	10.4
13...	1036	1028	1028	110	320	8.3	6.0	--	10.4
13...	1038	1028	1028	120	320	8.3	6.0	--	10.4
13...	1040	1028	1028	130	320	8.3	6.0	--	10.4
13...	1043	1028	1028	140	320	8.3	6.0	--	10.4
13...	1045	1028	1028	150	320	8.3	6.0	--	10.4

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
11...	1500	1028	1028	.0	315	8.3	6.0	98.0	11.8
11...	1502	1028	1028	10.0	315	8.3	6.0	--	11.8
11...	1504	1028	1028	20.0	315	8.3	6.0	--	11.8
11...	1506	1028	1028	30.0	315	8.2	6.0	--	11.7
11...	1508	1028	1028	40.0	315	8.2	6.0	--	11.7
11...	1510	1028	1028	50.0	315	8.2	6.0	--	11.7
11...	1512	1028	1028	60.0	315	8.2	6.0	--	11.7
11...	1514	1028	1028	70.0	315	8.2	6.0	--	11.7
11...	1516	1028	1028	80.0	315	8.2	6.0	--	11.7
11...	1518	1028	1028	90.0	315	8.2	6.0	--	11.6
11...	1520	1028	1028	100	315	8.2	6.0	--	11.6
11...	1522	1028	1028	110	315	8.2	6.0	--	11.5
11...	1524	1028	1028	120	315	8.1	5.5	--	11.3
11...	1526	1028	1028	130	315	8.1	5.5	--	11.3
11...	1528	1028	1028	140	315	8.1	5.5	--	11.3
11...	1530	1028	1028	150	320	8.1	5.5	--	11.3
APR									
07...	1430	1028	1028	.0	295	8.3	9.5	175	11.4
07...	1432	1028	1028	10.0	295	8.3	9.0	--	11.4
07...	1434	1028	1028	20.0	300	8.3	8.5	--	11.3
07...	1436	1028	1028	30.0	300	8.3	8.0	--	11.3
07...	1438	1028	1028	40.0	300	8.3	8.0	--	11.3
07...	1440	1028	1028	50.0	300	8.3	8.0	--	11.2
07...	1442	1028	1028	60.0	300	8.3	7.5	--	11.2
07...	1444	1028	1028	70.0	300	8.2	7.5	--	11.1
07...	1446	1028	1028	80.0	300	8.2	7.0	--	10.9
07...	1448	1028	1028	90.0	300	8.2	6.5	--	10.8
07...	1450	1028	1028	100	300	8.2	6.5	--	10.7
07...	1452	1028	1028	110	300	8.2	6.5	--	10.6
07...	1454	1028	1028	120	305	8.2	6.5	--	10.6
07...	1456	1028	1028	130	305	8.1	6.0	--	10.4
07...	1458	1028	1028	140	305	8.1	6.0	--	10.4
07...	1459	1028	1028	150	305	8.1	6.0	--	10.4
07...	1500	1028	1028	159	305	8.1	6.0	--	10.3

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
MAY										
14...	1015	1028	1028	.0	157	300	7.5	18.5	--	--
14...	1020	1028	1028	10.0	--	300	7.6	18.5	--	--
14...	1025	1028	1028	20.0	--	300	7.6	18.5	--	--
14...	1030	1028	1028	25.0	157	327	8.2	17.5	0	.40
14...	1032	1028	1028	27.0	--	300	7.6	16.5	--	--
14...	1034	1028	1028	28.0	--	300	7.6	15.0	--	--
14...	1036	1028	1028	29.0	--	300	7.6	13.5	--	--
14...	1038	1028	1028	30.0	--	300	7.6	13.0	--	--
14...	1040	1028	1028	35.0	--	300	7.6	12.0	--	--
14...	1041	1028	1028	40.0	--	300	7.5	11.0	--	--
14...	1042	1028	1028	50.0	--	290	7.5	10.5	--	--
14...	1043	1028	1028	60.0	--	290	7.5	10.0	--	--
14...	1044	1028	1028	70.0	--	290	7.4	9.5	--	--
14...	1046	1028	1028	80.0	--	290	7.4	9.0	--	--
14...	1048	1028	1028	90.0	--	290	7.2	8.5	--	--
14...	1050	1028	1028	100	157	328	8.0	8.0	0	.40
14...	1052	1028	1028	110	--	290	7.0	7.5	--	--
14...	1054	1028	1028	120	--	290	7.0	7.5	--	--
14...	1056	1028	1028	130	--	290	6.9	7.0	--	--
14...	1058	1028	1028	140	--	290	6.9	7.0	--	--
14...	1059	1028	1028	150	--	290	6.8	7.0	--	--
14...	1100	1028	1028	157	--	290	6.8	7.0	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
MAY										
14...	179	9.8	--	0	--	--	--	--	--	--
14...	--	9.9	--	--	--	--	--	--	--	--
14...	--	9.9	--	--	--	--	--	--	--	--
14...	--	10.0	1.1	--	180	17	38	95	20	1.0
14...	--	10.2	--	--	--	--	--	--	--	--
14...	--	10.4	--	--	--	--	--	--	--	--
14...	--	10.5	--	--	--	--	--	--	--	--
14...	--	10.6	--	--	--	--	--	--	--	--
14...	--	10.6	--	--	--	--	--	--	--	--
14...	--	10.4	--	--	--	--	--	--	--	--
14...	--	10.4	--	--	--	--	--	--	--	--
14...	--	10.0	--	--	--	--	--	--	--	--
14...	--	9.8	--	--	--	--	--	--	--	--
14...	--	9.7	--	--	--	--	--	--	--	--
14...	--	9.4	--	--	--	--	--	--	--	--
14...	--	9.4	1.0	--	170	8	36	90	19	1.1
14...	--	9.4	--	--	--	--	--	--	--	--
14...	--	9.4	--	--	--	--	--	--	--	--
14...	--	9.3	--	--	--	--	--	--	--	--
14...	--	9.1	--	--	--	--	--	--	--	--
14...	--	9.0	--	--	--	--	--	--	--	--
14...	--	8.7	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	160	4.5	6.0	.23	.130	.37	.50	.73	3.2	.010
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	160	4.6	2.2	.26	.120	.31	.43	.69	3.1	.020
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	.000	40	0	0	1	60	0	.1	4	10
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	.010	70	1	0	4	40	10	.1	2	30
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
18...	0910	1028	1028	.0	305	8.3	24.5	216	8.8
18...	0912	1028	1028	10.0	305	8.3	24.5	--	8.8
18...	0914	1028	1028	18.0	305	8.3	23.5	--	10.2
18...	0916	1028	1028	20.0	305	8.3	22.5	--	10.5
18...	0918	1028	1028	22.0	310	8.3	21.5	--	10.6
18...	0920	1028	1028	24.0	310	8.3	20.5	--	10.6
18...	0922	1028	1028	25.0	310	8.3	19.5	--	10.7
18...	0924	1028	1028	27.0	315	8.3	18.5	--	10.6
18...	0926	1028	1028	28.0	315	8.3	17.0	--	10.4
18...	0928	1028	1028	30.0	315	8.3	16.5	--	10.2
18...	0930	1028	1028	31.0	315	8.2	15.0	--	9.9
18...	0932	1028	1028	35.0	315	8.2	14.0	--	9.7
18...	0934	1028	1028	38.0	315	8.2	13.0	--	9.4
18...	0936	1028	1028	40.0	315	8.1	12.5	--	9.2
18...	0938	1028	1028	50.0	310	8.1	11.5	--	8.8
18...	0940	1028	1028	60.0	310	8.0	10.5	--	8.2
18...	0942	1028	1028	70.0	310	8.0	9.5	--	8.1
18...	0944	1028	1028	80.0	310	8.0	9.5	--	8.1
18...	0946	1028	1028	90.0	315	7.9	9.0	--	7.8
18...	0948	1028	1028	100	315	7.9	8.5	--	7.7
18...	0950	1028	1028	110	315	7.9	8.5	--	7.5
18...	0952	1028	1028	120	315	7.8	8.0	--	7.2
18...	0954	1028	1028	130	315	7.8	8.0	--	7.0
18...	0956	1028	1028	140	320	7.8	7.5	--	6.7
18...	0958	1028	1028	150	320	7.8	7.5	--	6.6
18...	0959	1028	1028	160	320	7.8	7.5	--	6.2
18...	1000	1028	1028	164	320	7.7	7.5	--	6.0

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
15...	0930	1028	1028	.0	300	8.5	31.0	324	7.6
15...	0932	1028	1028	10.0	300	8.5	31.0	--	7.6
15...	0934	1028	1028	20.0	300	8.6	30.0	--	11.3
15...	0936	1028	1028	21.0	300	8.6	28.5	--	12.1
15...	0938	1028	1028	23.0	300	8.6	27.5	--	12.7
15...	0940	1028	1028	25.0	300	8.6	26.5	--	13.0
15...	0942	1028	1028	28.0	300	8.6	25.5	--	13.3
15...	0944	1028	1028	30.0	300	8.6	24.5	--	13.6
15...	0946	1028	1028	32.0	305	8.6	23.5	--	13.1
15...	0948	1028	1028	33.0	315	8.6	22.0	--	12.0
15...	0950	1028	1028	35.0	315	8.5	21.0	--	11.2
15...	0952	1028	1028	37.0	315	8.5	20.0	--	10.7
15...	0954	1028	1028	40.0	320	8.4	19.0	--	9.9
15...	0956	1028	1028	41.0	320	8.4	17.5	--	9.6
15...	0958	1028	1028	43.0	320	8.4	16.5	--	9.4
15...	1000	1028	1028	45.0	320	8.3	15.5	--	9.0
15...	1002	1028	1028	47.0	320	8.3	14.5	--	8.8
15...	1004	1028	1028	50.0	320	8.3	13.5	--	8.7
15...	1006	1028	1028	55.0	320	8.2	12.5	--	8.4
15...	1008	1028	1028	60.0	320	8.2	11.5	--	8.1
15...	1010	1028	1028	70.0	320	8.1	10.5	--	7.8
15...	1012	1028	1028	80.0	325	8.1	9.5	--	7.5
15...	1014	1028	1028	90.0	325	8.1	9.5	--	7.0
15...	1016	1028	1028	100	325	8.0	9.0	--	6.7
15...	1018	1028	1028	110	330	8.0	9.0	--	6.2
15...	1020	1028	1028	120	335	7.9	8.5	--	5.4
15...	1022	1028	1028	130	335	7.8	8.5	--	5.0
15...	1024	1028	1028	140	335	7.8	8.0	--	4.8
15...	1026	1028	1028	150	330	7.8	8.0	--	4.2
15...	1028	1028	1028	160	330	7.7	8.0	--	3.1
15...	1030	1028	1028	162	330	7.7	8.0	--	2.9

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
SEP										
04...	1145	1028	1028	.0	143	280	8.4	27.5	--	--
04...	1146	1028	1028	10.0	--	290	8.4	27.5	--	--
04...	1148	1028	1028	20.0	--	290	8.4	27.5	--	--
04...	1150	1028	1028	25.0	143	300	8.4	27.0	0	.30
04...	1151	1028	1028	30.0	--	300	8.4	27.0	--	--
04...	1152	1028	1028	34.0	--	320	8.1	26.0	--	--
04...	1153	1028	1028	36.0	--	320	7.9	25.0	--	--
04...	1154	1028	1028	39.0	--	320	7.9	24.0	--	--
04...	1155	1028	1028	41.0	--	325	7.8	23.0	--	--
04...	1156	1028	1028	42.0	--	320	7.8	22.0	--	--
04...	1157	1028	1028	45.0	--	320	7.6	21.0	--	--
04...	1158	1028	1028	46.0	--	325	7.6	19.5	--	--
04...	1200	1028	1028	50.0	--	330	7.6	18.5	--	--
04...	1202	1028	1028	51.0	--	330	7.6	17.5	--	--
04...	1204	1028	1028	54.0	--	330	7.6	16.5	--	--
04...	1206	1028	1028	58.0	--	330	7.6	15.5	--	--
04...	1208	1028	1028	60.0	--	330	7.7	14.5	--	--
04...	1210	1028	1028	63.0	--	330	7.7	13.5	--	--
04...	1212	1028	1028	67.0	--	330	7.7	12.5	--	--
04...	1214	1028	1028	70.0	--	330	7.8	11.5	--	--
04...	1216	1028	1028	80.0	--	330	7.8	10.5	--	--
04...	1218	1028	1028	90.0	--	330	7.8	9.5	--	--
04...	1220	1028	1028	100	143	335	7.8	9.5	0	.50
04...	1222	1028	1028	110	--	335	7.7	9.0	--	--
04...	1224	1028	1028	120	--	335	7.7	9.0	--	--
04...	1226	1028	1028	130	--	340	7.6	8.5	--	--
04...	1228	1028	1028	140	--	340	7.6	8.5	--	--
04...	1230	1028	1028	143	--	340	7.1	8.5	--	--
18...	0930	1028	1028	.0	--	300	8.4	26.5	--	--
18...	0932	1028	1028	10.0	--	300	8.4	26.5	--	--
18...	0934	1028	1028	20.0	--	300	8.4	26.5	--	--
18...	0936	1028	1028	30.0	--	300	8.3	26.5	--	--
18...	0938	1028	1028	40.0	--	310	7.8	25.5	--	--
18...	0940	1028	1028	41.0	--	315	7.6	24.0	--	--
18...	0942	1028	1028	42.0	--	315	7.5	23.0	--	--
18...	0944	1028	1028	43.0	--	310	7.4	22.0	--	--
18...	0946	1028	1028	45.0	--	310	7.3	21.0	--	--
18...	0948	1028	1028	47.0	--	305	7.2	20.0	--	--
18...	0950	1028	1028	50.0	--	305	7.2	19.0	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
SEP										
04...	270	9.8	--	0	--	--	--	--	--	--
04...	--	7.9	--	--	--	--	--	--	--	--
04...	--	7.9	--	--	--	--	--	--	--	--
04...	--	7.9	1.6	--	160	0	29	72	21	1.2
04...	--	7.9	--	--	--	--	--	--	--	--
04...	--	7.5	--	--	--	--	--	--	--	--
04...	--	6.9	--	--	--	--	--	--	--	--
04...	--	6.9	--	--	--	--	--	--	--	--
04...	--	6.8	--	--	--	--	--	--	--	--
04...	--	6.6	--	--	--	--	--	--	--	--
04...	--	5.1	--	--	--	--	--	--	--	--
04...	--	4.6	--	--	--	--	--	--	--	--
04...	--	4.1	--	--	--	--	--	--	--	--
04...	--	4.0	--	--	--	--	--	--	--	--
04...	--	3.8	--	--	--	--	--	--	--	--
04...	--	4.0	--	--	--	--	--	--	--	--
04...	--	4.2	--	--	--	--	--	--	--	--
04...	--	4.5	--	--	--	--	--	--	--	--
04...	--	4.7	--	--	--	--	--	--	--	--
04...	--	4.7	--	--	--	--	--	--	--	--
04...	--	5.0	--	--	--	--	--	--	--	--
04...	--	5.0	--	--	--	--	--	--	--	--
04...	--	4.3	1.1	--	170	5	37	92	20	1.2
04...	--	3.4	--	--	--	--	--	--	--	--
04...	--	2.1	--	--	--	--	--	--	--	--
04...	--	1.4	--	--	--	--	--	--	--	--
04...	--	.4	--	--	--	--	--	--	--	--
04...	--	.1	--	--	--	--	--	--	--	--
18...	168	7.6	--	--	--	--	--	--	--	--
18...	--	7.6	--	--	--	--	--	--	--	--
18...	--	7.6	--	--	--	--	--	--	--	--
18...	--	7.6	--	--	--	--	--	--	--	--
18...	--	4.9	--	--	--	--	--	--	--	--
18...	--	4.6	--	--	--	--	--	--	--	--
18...	--	4.3	--	--	--	--	--	--	--	--
18...	--	3.9	--	--	--	--	--	--	--	--
18...	--	3.5	--	--	--	--	--	--	--	--
18...	--	3.2	--	--	--	--	--	--	--	--
18...	--	2.7	--	--	--	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
SEP										
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	160	3.2	2.6	.00	.000	.45	.45	.45	2.0	.020
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	170	2.9	2.5	.32	.000	.49	.49	.81	3.6	.030
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
SEP										
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.000	40	1	10	3	50	10	.0	5	30
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.000	40	0	0	4	80	30	.0	3	40
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP								
18...	0952	1028	1028	52.0	305	7.2	18.0	2.4
18...	0954	1028	1028	54.0	300	7.2	17.0	2.3
18...	0956	1028	1028	56.0	300	7.1	16.0	2.2
18...	0958	1028	1028	58.0	305	7.2	15.0	2.3
18...	1000	1028	1028	59.0	305	7.2	14.0	2.6
18...	1002	1028	1028	60.0	305	7.2	13.5	2.8
18...	1004	1028	1028	65.0	305	7.2	12.5	3.2
18...	1006	1028	1028	70.0	305	7.3	11.5	3.5
18...	1008	1028	1028	75.0	305	7.3	10.5	3.5
18...	1010	1028	1028	80.0	305	7.3	10.0	3.9
18...	1012	1028	1028	90.0	305	7.3	9.5	3.7
18...	1014	1028	1028	100	305	7.3	9.0	3.5
18...	1016	1028	1028	110	310	7.3	8.5	3.0
18...	1018	1028	1028	120	315	7.2	8.5	1.4
18...	1020	1028	1028	130	320	7.2	8.0	.5
18...	1022	1028	1028	140	320	7.2	8.0	.1
18...	1024	1028	1028	150	320	7.2	7.5	.1
18...	1025	1028	1028	153	325	7.2	7.5	.1

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

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

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

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

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

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
OCT										
17...	1300	1028	1028	315	7.6	14.0	--	--	9.1	--
NOV										
07...	1400	1028	1028	325	8.2	13.5	--	--	9.4	--
DEC										
18...	1340	1028	1028	300	7.9	10.5	10	1.9	8.3	1.8
JAN										
10...	1320	1028	1028	320	8.1	9.0	--	--	9.9	--
FEB										
13...	0915	1028	1028	312	8.3	5.5	--	--	11.2	--
MAR										
11...	1400	1028	1028	315	8.3	6.5	--	--	12.3	--
APR										
07...	1340	1028	1028	300	8.1	10.0	--	--	12.0	--
MAY										
14...	0940	1028	1028	350	8.2	9.0	0	1.0	12.4	.6
JUN										
18...	1015	1028	1028	315	8.0	11.0	--	--	9.7	--
JUL										
15...	0830	1028	1028	315	8.1	9.5	--	--	10.8	--
SEP										
04...	0940	1028	1028	325	7.9	13.5	5	2.5	10.0	3.1
18...	1030	1028	1028	340	8.1	13.0	--	--	13.2	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L AS CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
18...	0	160	1	33	82	19	1.2	160	5.6	3.9
MAY										
14...	1	180	7	38	95	20	.9	170	6.4	84
SEP										
04...	0	180	9	37	92	21	1.1	170	4.1	2.5

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
18...	.21	.230	.44	.67	.88	3.9	.100	.030	40
MAY									
14...	.20	.060	.41	.47	.67	3.0	.030	.010	50
SEP									
04...	.16	.030	.97	1.0	1.2	5.1	.060	.010	80

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
18...	1	12	2	50	1	150	.0	1	10
MAY									
14...	1	0	1	100	0	20	.1	5	10
SEP									
04...	1	0	3	180	4	160	.0	2	20

07060010 NORTH FORK RIVER AT NORFORK, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1155	9827	9827	296	7.7	18.0	16.0	5	4.8	48
NOV										
13...	1140	9827	9827	318	7.7	7.0	11.0	5	8.6	77
DEC										
04...	1115	9827	9827	322	8.0	8.0	10.0	5	9.1	80
FEB										
05...	1120	9827	9827	305	8.1	3.0	6.0	10	11.2	90
26...	1120	9827	9827	305	8.1	2.0	6.0	10	12.3	98
MAR										
25...	1100	9827	9827	346	7.9	5.0	7.0	10	11.2	92
MAY										
06...	1105	9827	9827	335	8.2	21.0	14.0	5	10.4	100
20...	1105	9827	9827	339	7.9	21.0	11.0	5	10.2	92
JUN										
24...	1100	9827	9827	343	8.3	30.0	11.0	15	10.2	92
JUL										
22...	1110	9827	9827	--	8.7	32.0	15.0	5	10.6	94
AUG										
19...	1050	9827	9827	332	7.8	29.0	17.0	10	7.7	73
SEP										
16...	1055	9827	9827	353	8.0	24.0	15.0	--	8.7	85

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
16...	1155	--	3	.11	<.010	.140	.010	<5	<10	<5
NOV										
13...	1140	181	4	.12	.010	--	.010	--	--	--
DEC										
04...	1115	178	2	.16	.010	.020	<.010	--	--	--
FEB										
05...	1120	166	2	.21	<.010	.040	.010	--	<10	6
26...	1120	175	4	.18	.010	.040	<.010	--	--	--
MAR										
25...	1100	202	3	.08	.010	.010	--	--	--	--
MAY										
06...	1105	173	--	.06	<.010	.390	<.010	--	<10	--
20...	1105	182	2	.13	<.010	.020	<.010	--	--	--
JUN										
24...	1100	185	--	.24	.010	.020	<.010	--	--	--
JUL										
22...	1110	193	2	.19	<.010	.040	--	--	<10	--
AUG										
19...	1050	178	3	.29	<.010	.020	.020	--	--	--
SEP										
16...	1055	188	5	.21	.020	--	<.010	--	--	--

07060010 NORTH FORK RIVER AT NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
16...	1155	.8	16	160	33	18	1.7	1.0	130	5.0	4.0
NOV											
13...	1140	--	20	--	--	--	--	--	--	4.0	4.0
DEC											
04...	1115	.9	16	--	--	--	--	--	--	4.5	2.0
FEB											
05...	1120	1.7	<4	--	--	--	1.3	1.0	150	4.0	3.0
26...	1120	.9	<5	--	--	--	--	--	--	5.0	3.0
MAR											
25...	1100	2.0	<4	--	--	--	--	--	--	4.0	1.0
MAY											
06...	1105	1.0	48	--	--	--	--	--	140	4.0	14
20...	1105	--	64	--	--	--	--	--	--	--	4.0
JUN											
24...	1100	--	32	--	--	--	--	--	--	4.5	5.0
JUL											
22...	1110	2.5	40	--	38	20	2.0	2.0	190	12	6.0
AUG											
19...	1050	1.1	20	--	--	--	--	--	--	6.0	5.0
SEP											
16...	1055	4.2	96	--	--	--	--	--	--	5.0	<1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1155	<20	150	<10	270	10	--	--	--	--	--
NOV											
13...	1140	--	--	--	--	--	.00	.00	.00	.00	.00
FEB											
05...	1120	<20	--	<10	58	<10	--	--	--	--	--
MAY											
06...	1105	<20	30	--	28	<10	--	--	--	--	--
JUL											
22...	1110	<20	40	<10	21	10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
13...	1140	.00	.00	.00	.00	0	.00

07060500 WHITE RIVER AT CALICO ROCK, AR

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

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

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--41 years, 9,964 ft^3/s (282 m^3/s), 7,218,000 acre-ft/yr (8,900 hm^3/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,500 ft^3/s (694 m^3/s) Feb. 18, gage height, 10.38 ft (3.164 m); minimum, 868 ft^3/s (24.6 m^3/s) Sept. 28; minimum daily, 1,190 ft^3/s (33.7 m^3/s) Sept. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8390	14800	3170	5420	13600	8040	7280	8710	8010	9240	8310	2730
2	10400	9820	1560	4690	7340	9240	5120	6230	11900	14400	7920	3330
3	10300	7700	2570	10200	3260	9130	4200	14300	16600	5020	3150	2640
4	10200	5600	9220	8330	3190	10500	4480	14300	8200	10000	2510	5230
5	12400	5180	4390	8270	6260	14100	4130	5620	10300	8900	3950	5020
6	8990	8120	2940	6360	3880	13600	3210	4230	14800	7880	5180	8720
7	7260	15700	2510	8310	5260	11900	2880	5640	12700	8400	8520	7210
8	5450	13800	3010	11600	6590	10800	5480	5640	10800	9700	11100	7090
9	13700	12400	3710	6300	6310	4950	6600	6690	4000	12200	8220	12600
10	12500	10000	1860	12600	4440	4170	9290	6450	2490	12600	7120	3430
11	10500	5240	4980	10800	3250	7550	6060	4680	3040	13000	4760	2310
12	7460	4570	5570	8800	5140	10400	9000	5500	3070	12900	12000	5650
13	3310	12600	9290	6580	8460	12900	5870	9400	4250	12200	8130	4930
14	1500	10900	2660	5880	6240	8170	6140	12000	5240	12400	4530	2730
15	3020	8270	2680	4780	3670	3820	12100	17100	11000	15500	5370	2150
16	7720	9870	2480	4840	5250	2020	5130	13400	5640	13000	5550	3290
17	16800	5440	5450	7920	3520	3200	5730	14900	3850	11400	4250	3440
18	17500	1800	16600	6220	9170	9480	5890	17100	4060	9320	4740	1800
19	17300	1760	8670	5140	13000	7030	5500	8440	10200	9090	4920	2360
20	16600	3350	6510	5250	5670	5820	3670	11400	10400	6240	7650	3940
21	17700	2010	2650	3610	2970	7460	3390	8850	5050	4170	5690	2480
22	18600	1620	4340	3620	2210	4120	11400	9360	6000	2000	2800	3810
23	19600	1530	5480	4240	2100	2840	5690	9270	5910	2970	3460	2470
24	16000	1820	17200	3360	1620	3570	7450	9530	9590	4900	2330	1490
25	8840	1990	16100	2540	2800	5880	6150	7720	8230	2310	4320	1390
26	8020	1870	11100	2720	6720	7450	7960	8860	14000	4610	1780	1470
27	5560	2730	9260	1540	6530	7800	6950	6170	14700	3530	4470	1230
28	2820	2440	9450	2470	4920	6500	4080	8020	15800	2850	1820	1230
29	2060	3430	9650	6670	7360	4710	9140	7590	13800	5090	1760	1190
30	11900	4620	4010	4050	---	6070	9410	4050	6270	7350	4490	1230
31	15700	---	4500	7340	---	6570	---	3800	---	12900	2670	---
TOTAL	328100	190980	193570	190450	160730	229790	189380	274950	259900	266070	163470	108590
MEAN	10580	6366	6244	6144	5542	7413	6313	8869	8663	8583	5273	3620
MAX	19600	15700	17200	12600	13600	14100	12100	17100	16600	15500	12000	12600
MIN	1500	1530	1560	1540	1620	2020	2880	3800	2490	2000	1760	1190
AC-FT	650800	378800	383900	377800	318800	455800	375600	545400	515500	527700	324200	215400

CAL YR 1979 TOTAL 4800080 MEAN 13150 MAX 37900 MIN 1500 AC-FT 9521000
WTR YR 1980 TOTAL 2555980 MEAN 6984 MAX 19600 MIN 1190 AC-FT 5070000

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

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

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

INSTRUMENTATION: Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Temperature records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 27.5°C July 6, 1971; minimum daily, 0.0°C Feb. 9. 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 23.5°C July 23; minimum daily, 1.0°C Feb. 4, 18, 26, Mar. 2, 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
18...	0845	1028	1028	21000	260	7.8	--	14.5	3.7	6.6
24...	1040	1028	--	20200	--	--	7.0	15.0	--	--
NOV										
08...	0840	1028	1028	16600	262	8.0	--	14.0	1.7	8.0
DEC										
05...	1000	1028	--	4090	--	--	15.0	10.0	--	--
05...	1615	1028	1028	3260	277	8.3	--	10.5	.90	12.1
JAN										
14...	1630	1028	1028	6300	311	8.2	--	8.0	2.0	12.2
16...	1010	1028	--	1880	--	--	17.5	9.5	--	--
FEB										
06...	1600	1028	1028	5770	299	8.4	--	5.0	1.5	14.2
27...	1025	1028	--	4540	--	--	13.0	6.5	--	--
MAR										
06...	0830	1028	1028	12700	294	8.1	--	5.0	.50	11.9
06...	0930	--	--	12700	--	--	--	--	--	--
APR										
22...	1150	1028	--	14200	--	--	32.0	12.5	--	--
30...	0945	1028	1028	8570	274	8.3	--	10.5	1.7	11.0
JUN										
17...	1430	1028	1028	1600	303	8.2	--	14.0	1.2	9.0
18...	1130	1028	--	3650	--	--	25.5	15.0	--	--
AUG										
06...	0745	1028	1028	2860	324	8.2	--	14.0	.70	8.5
12...	1015	1028	--	17600	--	--	35.5	13.5	--	--

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT										
18...	67	.4	370	250	130	14	38	9.6	2.5	4
NOV										
08...	97	1.9	K18	78	140	18	37	11	2.7	6
DEC										
05...	108	1.2	<3	K4	150	8	38	13	2.3	5
JAN										
14...	103	1.0	K4	K4	160	5	34	17	1.4	2
FEB										
06...	111	.7	2	<1	160	15	39	14	2.0	3
MAR										
06...	93	2.0	8	<4	160	18	37	16	2.2	3
APR										
30...	102	1.9	16	11	140	13	36	13	2.0	3
JUN										
17...	86	1.1	K250	K360	160	7	35	17	1.6	2
AUG										
06...	82	1.4	92	280	170	0	35	19	1.5	2

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT										
18...	.1	1.7	120	10	4.5	.1	4.6	149	145	.20
24...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	.1	1.7	120	11	4.2	.1	3.7	153	144	.21
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.1	1.5	140	4.6	3.6	.1	3.4	156	151	.21
JAN										
14...	.0	1.4	150	5.9	2.5	.1	3.8	168	157	.23
16...	--	--	--	--	--	--	--	--	--	--
FEB										
06...	.1	1.4	140	8.3	3.4	.0	2.5	166	155	.23
27...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	.1	1.4	140	6.6	3.6	.1	2.7	172	155	.23
06...	--	--	--	--	--	--	--	--	--	--
APR										
22...	--	--	--	--	--	--	--	--	--	--
30...	.1	1.3	130	6.4	3.3	.1	2.2	149	143	.20
JUN										
17...	.1	1.5	150	7.9	1.6	.1	2.5	169	158	.23
18...	--	--	--	--	--	--	--	--	--	--
AUG										
06...	.1	1.5	170	4.3	2.7	.1	3.4	183	171	.25
12...	--	--	--	--	--	--	--	--	--	--

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT										
18...	8450	.50	.44	.000	.000	.00	.00	.43	.37	.43
24...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	6860	.02	.02	.020	.020	.02	.03	.72	.43	.74
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	1370	.17	.15	.000	.020	.00	.03	.58	.38	.58
JAN										
14...	2860	.18	.18	.030	.030	.04	.04	.66	.34	.69
16...	--	--	--	--	--	--	--	--	--	--
FEB										
06...	2590	.14	.14	.100	.000	.12	.00	.85	.15	.95
27...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	5900	.20	.19	.000	.000	.00	.00	.37	.30	.37
06...	--	--	--	--	--	--	--	--	--	--
APR										
22...	--	--	--	--	--	--	--	--	--	--
30...	3450	.14	.16	.000	.000	.00	.00	.56	.47	.56
JUN										
17...	730	.23	.23	.010	.000	.01	.00	.86	.35	.87
18...	--	--	--	--	--	--	--	--	--	--
AUG										
06...	1410	.35	.36	.000	.000	.00	.00	.99	.44	.99
12...	--	--	--	--	--	--	--	--	--	--

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, DISSOLVED (MG/L AS N) (00602)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT										
18...	.06	.37	.93	.81	4.1	.010	.03	.010	--	2.7
24...	--	--	--	--	--	--	--	--	--	--
NOV										
08...	.29	.45	.76	.47	3.4	.010	.03	.000	--	--
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.18	.40	.75	.55	3.3	.000	.00	.010	--	--
JAN										
14...	.32	.37	.87	.55	3.9	.010	.03	.000	5.5	--
16...	--	--	--	--	--	--	--	--	--	--
FEB										
06...	.80	.15	1.1	.29	4.8	.020	.06	.010	--	--
27...	--	--	--	--	--	--	--	--	--	--
MAR										
06...	.07	.30	.57	.49	2.5	.000	.00	.000	--	--
06...	--	--	--	--	--	--	--	--	--	--
APR										
22...	--	--	--	--	--	--	--	--	--	--
30...	.09	.47	.70	.63	3.1	.010	.03	.010	--	--
JUN										
17...	.52	.35	1.1	.58	4.9	.010	.03	.010	--	--
18...	--	--	--	--	--	--	--	--	--	--
AUG										
06...	.55	.44	1.3	.80	5.9	.070	.21	.010	4.7	--
12...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT										
18...	0845	1	0	1	200	200	30	0	0	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT									
18...	0	0	0	0	<3	0	0	0	180

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT									
18...	170	10	0	0	0	100	80	20	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
18...	0	0	0	0	0	0	0	0	<3

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)
OCT 18...	0845	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)
OCT 18...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 18...	.00	.00	.00	.00	0	.00	.06	.00	.00

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	16.5	15.0	14.0	13.0	8.0	5.5	8.0	5.5	5.0	4.0	3.0	1.5
2	16.0	14.5	14.0	13.0	8.0	4.5	8.0	5.5	4.5	4.0	3.0	1.0
3	16.0	14.0	14.0	12.0	7.0	3.0	7.0	6.5	4.5	3.5	4.0	1.0
4	16.0	14.0	13.5	11.5	7.0	5.5	7.0	6.5	3.5	1.0	6.0	4.0
5	15.5	13.5	14.0	11.5	8.0	9.0	8.0	5.5	5.0	3.0	5.5	4.0
6	16.0	14.0	14.0	13.0	6.5	8.5	6.5	5.5	5.0	3.5	5.5	3.0
7	16.0	14.0	14.0	13.0	6.5	7.0	6.5	5.5	4.0	3.0	9.0	5.5
8	18.0	15.5	13.5	13.0	6.5	7.0	6.5	6.0	3.5	2.0	7.0	5.0
9	17.0	14.0	13.0	11.5	6.5	6.0	6.5	5.0	3.5	3.0	7.0	3.5
10	14.5	13.0	12.0	10.5	7.0	6.5	7.0	5.5	4.0	1.5	9.0	4.5
11	15.5	13.0	10.5	9.0	8.5	8.0	8.5	6.5	4.5	2.0	8.5	5.0
12	15.5	14.5	11.5	8.5	6.5	8.0	6.5	6.0	4.0	2.0	5.5	4.5
13	15.0	13.5	12.0	11.0	6.5	8.0	6.5	5.5	5.0	2.0	5.0	4.0
14	14.5	11.0	12.0	11.0	8.0	6.5	8.0	5.5	6.0	4.0	6.5	3.0
15	16.0	13.0	13.0	10.5	8.0	5.0	8.0	7.0	7.0	5.0	9.0	5.0
16	15.5	14.0	---	---	10.0	3.5	10.0	8.0	5.0	3.5	10.5	8.5
17	15.5	13.5	---	---	8.5	1.5	8.5	6.5	3.5	1.5	10.5	7.0
18	15.5	13.0	13.0	10.5	8.0	6.0	8.0	6.0	4.0	1.0	7.0	4.0
19	15.0	13.5	14.5	11.5	8.0	6.5	8.0	6.0	5.0	4.0	9.5	6.5
20	16.0	14.0	14.5	13.5	7.0	7.0	7.0	6.5	6.5	5.0	10.0	9.0
21	15.5	14.5	14.5	14.0	7.0	7.0	7.0	6.0	10.0	6.0	9.0	7.0
22	15.5	13.5	14.5	11.5	6.5	9.0	6.5	6.0	10.0	6.5	10.5	6.0
23	14.5	12.0	11.5	9.5	6.0	9.0	6.0	5.0	9.0	7.0	10.0	9.5
24	15.0	13.5	9.5	8.0	7.0	8.5	7.0	5.0	8.0	6.0	9.5	8.5
25	15.0	13.5	8.5	7.0	7.0	7.0	7.0	6.0	6.0	4.0	8.5	7.0
26	15.0	13.5	9.0	6.5	7.0	7.0	7.0	6.0	4.5	1.0	7.0	6.0
27	16.0	14.0	10.0	8.0	6.0	7.0	6.0	4.5	6.5	2.0	9.0	6.0
28	17.0	15.5	8.5	6.0	4.5	7.0	4.5	3.5	9.0	4.5	10.5	8.5
29	16.0	14.0	6.0	5.0	4.5	6.5	4.5	4.0	7.0	3.0	10.5	8.5
30	15.0	14.5	8.0	4.5	4.5	6.0	4.5	2.0	---	---	10.5	9.0
31	15.0	14.0	---	---	4.5	6.0	4.5	2.0	---	---	10.0	8.5
MONTH	18.0	11.0	14.5	4.5	10.0	1.5	10.0	2.0	10.0	1.0	10.5	1.0

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.0	7.0	11.5	10.0	20.5	15.5	---	---	16.0	10.5	22.0	17.0
2	14.5	10.0	11.5	10.5	18.0	14.0	---	---	15.5	11.0	22.0	15.5
3	15.5	14.5	11.5	8.5	14.0	11.0	21.5	10.5	19.0	10.0	20.5	15.0
4	14.5	10.5	11.5	9.0	15.5	11.5	16.5	13.0	21.0	16.5	19.5	14.0
5	14.5	10.5	14.0	11.5	15.0	13.0	14.5	11.0	23.0	15.0	19.0	11.5
6	15.0	12.0	16.0	13.0	15.0	13.0	15.0	13.0	21.5	12.0	16.0	13.0
7	18.0	14.0	15.5	13.0	15.0	13.0	16.0	11.5	18.0	11.5	15.0	11.5
8	16.5	11.5	13.0	11.0	14.5	13.0	14.5	10.5	14.0	11.5	16.5	14.5
9	11.5	10.0	13.0	9.5	17.0	13.0	14.0	10.5	15.0	10.5	14.0	11.0
10	11.5	9.5	15.0	11.0	19.5	11.5	13.5	10.5	16.0	10.5	18.5	12.0
11	14.0	11.0	18.0	15.0	20.5	16.0	14.0	10.5	16.5	13.5	21.0	16.0
12	13.0	10.0	17.0	15.0	19.5	13.0	14.0	10.0	15.0	11.5	19.5	13.5
13	10.0	8.5	15.0	11.5	20.5	11.5	14.5	10.5	15.5	11.5	16.5	12.0
14	8.5	6.5	13.5	11.0	21.5	12.0	14.0	11.0	15.5	11.0	20.5	16.0
15	10.0	5.5	12.0	10.0	20.0	14.0	14.0	10.0	17.0	11.5	20.5	16.0
16	13.5	8.5	11.5	9.5	17.0	14.0	14.0	10.5	17.0	13.0	21.5	14.0
17	13.5	11.5	14.0	9.5	15.5	12.0	14.0	11.0	19.5	14.0	20.5	14.5
18	14.0	11.5	14.5	12.0	19.0	13.5	14.5	12.0	18.0	15.0	19.5	15.5
19	15.0	10.0	15.5	13.5	16.5	13.0	14.5	10.5	17.0	14.0	21.0	15.5
20	17.0	13.0	15.0	13.0	17.0	14.5	15.5	14.0	16.5	14.5	20.5	13.0
21	19.0	14.5	15.0	13.0	20.0	13.0	18.5	14.5	18.0	13.5	20.5	16.0
22	16.5	11.5	14.0	11.5	20.0	18.0	21.5	16.5	19.5	13.5	20.5	16.5
23	17.0	10.0	13.5	13.0	21.5	16.0	23.5	15.5	20.5	12.0	17.0	15.0
24	16.5	13.0	14.5	13.5	21.0	15.0	19.0	12.0	21.5	16.0	17.0	15.5
25	.0	10.0	18.5	14.0	20.5	14.0	21.0	15.5	18.5	11.5	18.5	16.5
26	10.0	9.0	18.0	15.5	15.0	12.0	19.5	16.0	21.5	16.0	18.0	15.5
27	10.5	9.0	20.5	14.5	16.0	12.0	19.0	11.5	22.0	16.5	16.5	15.5
28	14.5	10.0	19.0	13.0	15.0	12.0	21.5	14.0	19.5	15.5	15.5	14.5
29	13.5	9.5	17.0	15.0	15.0	12.0	22.0	11.5	21.0	16.0	15.0	14.5
30	13.0	9.5	20.5	15.0	---	13.0	18.5	11.0	21.0	16.0	19.0	15.0
31	---	---	21.5	18.5	---	---	13.5	11.0	20.5	14.0	---	---
MONTH	19.0	5.5	21.5	8.5	21.5	11.0	23.5	10.0	23.0	10.0	22.0	11.0

07060660 WHITE RIVER AT SYLAMORE, AR

LOCATION.--Lat 35°57'00", long 92°06'40", in N 1/2 sec.12, T.15 N., R.11 W., Izard County, Hydrologic Unit 11010004, temperature recorder on right bank, 0.9 mi (1.4 km) upstream from bridge at Sylamore, 0.8 mi (1.3 km) upstream from South Sylamore Creek, and 8.5 mi (13.7 km) downstream from Wideman Creek.

DRAINAGE AREA.--10,238 mi^2 (26,516 km^2).

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

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

INSTRUMENTATION.--Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 30.5°C July 6, 1971; minimum daily, 1.0°C Feb. 9, 1971, Feb. 19, 22, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.0°C Jul. 23.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	18.0	15.5	14.5	13.5	---	---	---	---	---	---	---	---
2	16.5	15.5	14.5	13.5	---	---	---	---	---	---	---	---
3	16.0	15.0	14.5	13.0	---	---	---	---	---	---	---	---
4	16.0	15.0	14.0	11.5	---	---	---	---	---	---	---	---
5	15.5	14.5	13.5	11.0	---	---	---	---	---	---	---	---
6	15.5	14.5	14.0	13.0	---	---	---	---	---	---	---	---
7	16.5	14.0	14.0	12.0	---	---	---	---	---	---	---	---
8	19.0	15.5	14.0	13.5	---	---	---	---	---	---	---	---
9	18.0	14.0	13.5	12.0	---	---	---	---	---	---	---	---
10	14.0	13.5	12.0	11.0	---	---	---	---	---	---	10.5	6.5
11	15.0	13.5	11.5	9.5	---	---	---	---	---	---	9.0	8.0
12	16.0	14.5	10.5	9.0	---	---	---	---	---	---	8.0	6.0
13	18.0	14.0	13.0	9.5	---	---	---	---	---	---	6.0	5.5
14	16.5	12.0	---	---	---	---	---	---	---	---	8.0	5.0
15	17.0	13.5	---	---	---	---	---	---	---	---	9.5	6.0
16	16.5	15.5	---	---	---	---	---	---	---	---	10.5	9.0
17	15.5	14.5	---	---	---	---	10.0	8.5	---	---	11.0	9.0
18	15.0	14.0	---	---	---	---	9.0	8.0	5.0	7.0	9.0	8.0
19	15.5	14.5	---	---	8.5	8.0	9.0	7.0	6.0	4.5	10.0	8.0
20	16.0	15.0	---	---	8.5	8.0	9.0	8.5	8.0	6.0	11.0	10.0
21	16.5	15.5	---	---	10.0	8.5	8.5	7.0	11.5	7.0	10.5	9.0
22	16.0	14.5	---	---	10.5	9.5	---	---	13.5	8.5	11.0	8.0
23	14.5	13.5	---	---	10.5	10.0	---	---	12.0	9.0	10.5	10.0
24	15.0	14.5	---	---	10.0	9.5	---	---	9.0	8.0	11.0	9.5
25	15.5	14.5	---	---	9.5	8.5	---	---	10.5	6.0	10.0	9.0
26	16.0	14.5	---	---	8.5	8.0	---	---	6.5	4.5	9.5	8.5
27	16.0	14.5	---	---	8.5	8.0	---	---	---	---	10.0	8.0
28	19.0	15.5	---	---	8.5	8.0	---	---	---	---	11.5	9.5
29	16.5	15.5	---	---	---	---	---	---	---	---	11.0	10.5
30	16.0	15.5	---	---	---	---	---	---	---	---	11.0	10.5
31	15.5	14.5	---	---	---	---	---	---	---	---	11.0	10.0
MONTH	19.0	12.0	14.5	9.0	10.5	8.0	10.0	7.0	13.5	4.5	11.5	5.0

07060660 WHITE RIVER AT SYLAMORE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.0	9.5	14.0	11.5	22.0	16.5	19.5	16.5	18.0	13.5	26.5	20.5
2	15.0	11.5	13.0	11.5	15.5	14.0	17.0	13.5	18.5	15.5	26.0	21.5
3	17.0	14.0	12.0	10.0	14.0	13.0	20.0	14.0	22.0	16.5	25.0	21.5
4	16.0	13.5	10.5	9.5	16.5	13.0	21.0	16.0	25.5	19.0	23.0	20.0
5	17.0	13.0	16.0	10.5	16.0	14.0	18.0	15.0	25.0	21.5	22.0	17.0
6	17.0	14.0	19.0	14.0	14.5	13.0	18.5	15.5	24.0	20.5	19.5	16.5
7	19.0	14.0	---	---	14.5	12.0	19.5	16.0	21.0	18.5	17.0	16.0
8	17.0	15.0	---	---	16.0	13.5	18.0	14.0	18.5	15.0	21.0	16.0
9	15.0	12.0	15.5	13.0	18.5	13.0	15.5	14.0	---	---	18.0	14.0
10	13.5	11.0	19.0	15.0	18.5	16.0	15.5	13.5	---	---	20.0	14.0
11	14.5	11.5	18.5	16.5	22.0	18.0	15.0	13.0	---	---	24.5	17.0
12	14.5	11.0	17.0	13.5	25.0	17.0	15.0	13.5	---	---	21.5	19.0
13	11.0	10.0	14.5	12.0	22.0	18.0	15.0	14.0	---	---	20.0	17.0
14	---	---	12.0	10.5	21.0	17.0	16.0	14.0	---	---	25.0	17.0
15	---	---	11.0	10.0	20.5	14.0	14.0	13.0	---	---	26.0	20.5
16	14.0	9.5	11.0	10.0	19.0	14.0	16.5	13.5	---	---	24.0	20.5
17	14.0	13.0	12.0	10.5	17.0	14.5	16.0	13.5	---	---	21.0	18.0
18	14.5	13.0	15.0	12.0	18.5	15.0	17.0	14.0	---	---	23.5	17.0
19	15.5	13.0	17.0	13.5	18.5	15.5	17.0	14.5	---	---	25.0	19.0
20	18.5	14.0	16.5	15.0	19.0	16.0	19.5	15.0	20.0	17.0	21.5	19.0
21	21.0	15.5	17.0	14.0	19.5	16.5	20.0	16.5	21.0	15.5	24.5	19.5
22	18.5	13.0	16.0	14.0	23.0	19.5	25.5	19.0	23.5	16.5	24.0	21.0
23	16.5	12.0	16.0	14.5	24.5	19.0	28.0	20.0	23.5	19.0	21.0	17.0
24	18.0	15.5	17.0	14.0	23.0	18.0	24.0	19.5	26.5	18.5	20.0	16.5
25	15.5	12.0	19.0	12.0	21.0	16.0	27.0	19.0	21.0	19.0	20.5	18.5
26	13.5	10.0	19.0	18.0	20.0	14.5	22.0	20.0	25.5	18.5	20.0	17.0
27	11.5	10.0	19.5	17.0	15.5	14.0	21.0	18.5	25.0	20.5	18.0	16.0
28	15.0	10.5	20.5	17.0	16.0	14.0	26.0	18.5	23.0	19.0	16.0	15.5
29	16.0	13.0	19.5	17.0	15.5	13.5	23.5	20.0	25.5	19.5	17.0	15.5
30	14.5	12.0	22.0	16.0	21.0	14.0	21.0	18.5	26.5	20.5	22.0	16.0
31	---	---	23.0	20.0	---	---	19.5	19.0	24.5	19.5	---	---
MONTH	21.0	9.5	23.0	9.5	25.0	12.0	28.0	13.0	26.5	13.5	26.5	14.0

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

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

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

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 49.3 ft^3/s (1.40 m^3/s), 11.52 in/yr (293 mm/yr), 35,720 acre-ft/yr (44.0 hm^3/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,360 ft^3/s (66.8 m^3/s) Dec. 23, gage height, 7.60 ft (2.316 m), no peak above base of 2,800 ft^3/s (79 m^3/s); minimum, 2.7 ft^3/s (0.076 m^3/s) Aug. 27, Sept. 1, 2, 15, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	18	9.7	12	11	14	104	15	24	4.8	3.7	2.9
2	4.6	9.3	9.1	11	11	13	81	14	23	4.8	3.7	2.9
3	4.7	7.1	8.2	11	11	13	62	14	20	4.6	3.7	3.2
4	4.7	6.1	8.1	11	12	14	45	12	20	4.6	3.7	3.1
5	4.4	5.9	7.9	11	12	14	37	12	15	4.4	3.5	3.5
6	4.6	6.4	8.9	11	13	13	34	12	15	4.4	3.5	3.5
7	4.5	7.1	8.7	12	13	13	39	11	15	4.4	3.5	3.3
8	4.5	11	8.7	12	14	14	307	11	15	4.2	3.1	3.2
9	4.5	77	8.7	12	13	15	148	10	15	4.2	3.1	3.1
10	4.2	51	10	12	13	16	98	10	10	4.2	3.1	3.1
11	4.4	23	12	15	13	17	70	10	10	3.8	3.1	3.0
12	4.5	14	22	15	14	20	56	19	10	3.8	3.1	2.9
13	4.3	11	36	15	15	20	45	27	9.5	3.8	3.1	2.9
14	4.1	9.6	35	15	17	22	111	22	9.5	3.8	3.1	2.9
15	4.1	9.0	28	15	44	23	154	20	9.0	3.7	3.3	2.7
16	4.1	9.1	22	17	62	26	132	56	10	3.7	3.3	2.8
17	4.4	8.4	17	17	41	44	100	108	10	3.5	3.2	3.3
18	4.9	8.2	14	16	30	69	87	83	16	3.8	3.3	3.6
19	4.6	9.3	14	15	27	48	80	51	15	3.7	3.5	3.8
20	4.6	10	13	15	25	39	66	35	12	3.5	3.7	3.6
21	4.6	14	14	15	23	43	55	72	11	3.5	3.6	3.5
22	6.0	24	25	15	21	38	44	94	11	3.5	3.5	3.4
23	6.5	22	516	14	18	38	40	215	18	3.3	3.3	4.3
24	5.6	16	574	14	17	116	34	154	12	3.3	2.9	5.7
25	5.2	17	117	14	16	105	30	105	7.7	3.3	3.0	4.9
26	5.1	32	60	14	15	78	26	72	6.7	3.5	2.9	4.4
27	5.3	24	33	13	15	56	22	46	6.2	3.5	2.9	3.8
28	5.6	17	21	12	15	50	18	35	5.7	3.8	2.9	3.9
29	5.6	13	16	12	14	48	16	30	5.3	3.7	2.9	4.4
30	6.1	11	14	12	---	235	15	27	4.8	3.7	2.9	4.1
31	25	---	13	11	---	164	---	28	---	3.7	2.9	---
TOTAL	170.2	500.5	1704.0	416	565	1438	2156	1430	371.4	120.5	101.0	105.7
MEAN	5.49	16.7	55.0	13.4	19.5	46.4	71.9	46.1	12.4	3.89	3.26	3.52
MAX	25	77	574	17	62	235	307	215	24	4.8	3.7	5.7
MIN	4.1	5.9	7.9	11	11	13	15	10	4.8	3.3	2.9	2.7
CFSM	.09	.29	.95	.23	.34	.80	1.24	.79	.21	.07	.06	.06
IN.	.11	.32	1.09	.27	.36	.92	1.38	.92	.24	.08	.06	.07
AC-FT	338	993	3380	825	1120	2850	4280	2840	737	239	200	210

CAL YR 1979	TOTAL	30597.4	MEAN	83.8	MAX	2040	MIN	4.1	CFSM	1.44	IN	19.59	AC-FT	60690
WTR YR 1980	TOTAL	9078.3	MEAN	24.8	MAX	574	MIN	2.7	CFSM	.43	IN	5.81	AC-FT	18010

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
18...	1015	1028	1028	4.8	279	8.3	--	17.0	8.6	92
25...	1210	1028	--	5.0	--	--	13.0	12.5	--	--
NOV										
08...	0900	--	--	9.3	--	--	--	--	--	--
08...	0950	1028	1028	9.3	299	8.1	--	11.0	9.8	88
DEC										
05...	1430	1028	1028	6.9	304	8.2	--	6.5	12.8	103
JAN										
14...	1430	1028	1028	17	271	8.2	--	7.0	13.1	108
17...	1000	1028	--	17	--	--	5.0	7.5	--	--
FEB										
06...	1315	1028	1028	13	279	8.2	--	6.0	12.9	103
28...	1030	1028	--	15	--	--	15.0	7.0	--	--
MAR										
06...	0945	1028	1028	12	277	8.2	--	4.0	12.9	98
APR										
23...	1240	1028	--	41	--	--	26.5	18.0	--	--
29...	1615	1028	1028	340	267	8.3	--	17.0	11.7	121
MAY										
26...	1615	1028	1028	72	241	8.3	--	22.0	9.6	109
JUN										
18...	0845	1028	1028	16	264	8.1	--	20.0	8.4	91
18...	1525	1028	--	16	--	--	25.0	22.0	--	--
JUL										
07...	1515	1028	1028	4.4	262	8.4	--	31.0	10.5	140
AUG										
06...	0900	1028	1028	3.8	265	8.0	--	24.5	6.1	72
12...	1655	1028	--	3.0	--	--	36.0	29.0	--	--
27...	0945	1028	1028	2.7	266	8.2	--	23.0	6.4	74
27...	1230	--	--	2.7	--	--	--	--	--	--

DATE	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT										
18...	200	10	290	150	14	51	6.5	1.6	2	.1
NOV										
08...	--	--	--	--	--	--	--	--	--	--
08...	88	1	90	140	5	48	6.0	1.7	3	.1
DEC										
05...	<2	0	<2	170	0	54	7.3	1.6	2	.1
JAN										
14...	K220	0	K2	130	12	44	5.3	1.3	2	.1
FEB										
06...	K2	0	<1	150	11	50	6.3	1.2	2	.0
MAR										
06...	1	1	0	140	9	46	5.8	2.2	3	.1
APR										
29...	2	2	1	130	3	45	5.1	1.2	2	.0
MAY										
26...	72	2	76	130	16	42	5.1	1.1	2	.0
JUN										
18...	--	K330	K940	130	11	44	5.0	1.3	2	.1
18...	--	--	--	--	--	--	--	--	--	--
JUL										
07...	K120	K32	50	130	3	44	5.5	1.5	2	.1
AUG										
06...	--	340	K610	130	0	42	6.6	1.6	3	.1
27...	260	K34	100	130	1	42	6.4	1.6	3	.1
27...	--	--	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA) (00933)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
OCT										
18...	2.5	.9	140	--	7.1	2.1	.1	7.5	166	161
NOV										
08...	--	--	--	--	--	--	--	--	--	--
08...	2.7	1.0	140	--	8.7	2.3	.1	6.7	172	159
DEC										
05...	2.4	.8	170	--	4.8	1.8	.0	6.7	165	179
JAN										
14...	2.0	.7	120	--	7.1	2.1	.1	6.0	154	139
FEB										
06...	1.9	.7	140	--	6.0	1.7	.0	5.8	162	156
MAR										
06...	3.0	.8	130	--	6.3	2.7	.1	5.7	168	148
APR										
29...	--	.7	130	1.3	5.2	1.5	.1	6.9	144	144
MAY										
26...	--	.7	110	--	7.0	1.7	.1	8.0	141	132
JUN										
18...	--	.8	120	--	6.5	2.4	.1	8.2	150	141
18...	--	--	--	--	--	--	--	--	--	--
JUL										
07...	--	.8	130	--	5.2	2.3	.6	11	158	149
AUG										
06...	--	.9	140	--	1.7	1.9	.1	10	155	149
27...	--	.8	130	--	1.6	2.4	.1	9.8	153	143
27...	--	--	--	--	--	--	--	--	--	--

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P) (00671)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4) (00660)	CYANIDE TOTAL (MG/L AS CN) (00720)
OCT									
18...	.23	2.15	.03	.02	.000	.00	--	--	.00
NOV									
08...	--	--	--	--	--	--	--	--	--
08...	.23	4.32	.03	.03	.000	.00	.000	.00	--
DEC									
05...	.22	3.07	.02	.05	.000	.00	.010	.03	--
JAN									
14...	.21	7.07	.05	.05	.000	.00	.000	.00	--
FEB									
06...	.22	5.69	.06	.06	.010	.03	.040	.12	--
MAR									
06...	.23	5.44	.05	.05	.000	.00	.010	.03	.00
APR									
29...	.20	132	.06	.05	.010	.03	.000	.00	--
MAY									
26...	.19	27.4	.03	.03	.020	.06	.040	.12	--
JUN									
18...	.20	6.48	.10	.15	.010	.03	.040	.12	.00
18...	--	--	--	--	--	--	--	--	--
JUL									
07...	.21	1.88	.00	.00	.010	.03	.010	.03	--
AUG									
06...	.21	1.59	.04	.00	.030	.09	.010	.03	--
27...	.21	1.12	.00	.00	.030	.09	.000	.00	--
27...	--	--	--	--	--	--	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT											
18...	1015	0	--	--	0	--	--	--	0	--	--
MAR											
06...	0945	1	0	1	200	200	20	<1	1	0	<1
JUN											
18...	0845	0	0	0	0	0	20	<1	0	0	3

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 18...	0	--	--	--	0	--	--	50	--	--	6
MAR 06...	10	9	1	<3	8	0	<10	30	20	<10	4
JUN 18...	0	0	0	3	4	--	<10	180	--	<10	1

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT 18...	--	--	--	10	--	--	.0	--	--	--	0
MAR 06...	4	0	5	20	20	3	.0	.0	.0	<10	0
JUN 18...	0	49	5	20	10	8	.0	.0	.0	14	0

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 18...	--	--	0	--	--	--	--	20	--	--
MAR 06...	0	0	0	0	0	38	<6.0	70	50	17
JUN 18...	0	0	0	0	0	39	<10	20	20	<3

DATE	TIME	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)
OCT 18...	1015	<1.9	<.4	<1.3	<.3	1.1	<.4	1.1	<.4	.32	.04

DATE	TIME	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)
OCT 18...	1015	<1.3	<1.9	<.3	<.4	1.1	1.1	<.4	<.4	.04	.32

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)
OCT										
18...	1015	.00	.00	.0	.00	.00	.00	.00	.00	.00
NOV										
08...	0950	--	--	--	--	--	--	--	--	--
DEC										
05...	1430	--	--	--	--	--	--	--	--	--
JAN										
14...	1430	--	--	--	--	--	--	--	--	--
FEB										
06...	1315	--	--	--	--	--	--	--	--	--
APR										
29...	1615	--	--	--	--	--	--	--	--	--
MAY										
26...	1615	--	--	--	--	--	--	--	--	--
JUN										
18...	0845	--	--	--	--	--	--	--	--	--
JUL										
07...	1515	--	--	--	--	--	--	--	--	--
AUG										
06...	0900	--	--	--	--	--	--	--	--	--
27...	0945	--	--	--	--	--	--	--	--	--

DATE	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT										
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT									
18...	.00	.00	0	.00	.00	.00	.00	0	.00
NOV									
08...	--	--	--	--	--	--	--	12	.30
DEC									
05...	--	--	--	--	--	--	--	0	.00
JAN									
14...	--	--	--	--	--	--	--	1	.05
FEB									
06...	--	--	--	--	--	--	--	1	.04
APR									
29...	--	--	--	--	--	--	--	0	.00
MAY									
26...	--	--	--	--	--	--	--	0	.00
JUN									
18...	--	--	--	--	--	--	--	14	.60
JUL									
07...	--	--	--	--	--	--	--	1	.01
AUG									
06...	--	--	--	--	--	--	--	2	.02
27...	--	--	--	--	--	--	--	0	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT										
25...	.1	1.2	180	2.6	2.9	.1	8.1	191	181	.26
DEC										
06...	.1	1.0	170	2.3	3.0	.1	7.3	168	177	.23
JAN										
15...	.1	1.2	140	7.4	2.8	.1	7.3	156	152	.21
FEB										
07...	.1	.9	170	5.0	2.8	.0	7.4	179	182	.24
19...	.1	1.3	150	10	3.3	.1	6.6	179	167	.24
MAR										
05...	--	--	--	--	--	--	--	--	--	--
05...	.1	1.0	130	6.6	3.2	.1	6.3	157	146	.21
APR										
30...	.1	1.0	150	5.3	2.5	.1	7.2	159	160	.22
JUN										
24...	.1	1.0	200	6.4	2.6	.1	9.6	196	207	.27
AUG										
05...	.1	.7	180	2.5	3.0	.1	9.7	204	187	.28

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT										
25...	1660	.25	--	.000	--	.00	--	.50	--	.50
DEC										
06...	2160	.23	.22	.010	.020	.01	.03	.62	.61	.63
JAN										
15...	2890	.28	.28	.030	.030	.04	.04	.59	.42	.62
FEB										
07...	1950	.29	.31	.100	.000	.12	.00	.08	.18	.18
19...	--	.53	.51	.060	.070	--	.09	.66	.89	.72
MAR										
05...	--	--	--	--	--	--	--	--	--	--
05...	3130	.23	.25	.000	.000	.00	.00	2.0	.56	2.0
APR										
30...	2850	.20	.24	.000	.020	.00	.03	.56	.33	.56
JUN										
24...	2120	.23	.26	.040	.050	.05	.06	.47	.36	.51
AUG										
05...	1320	--	.00	--	--	--	--	--	--	--

DATE	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
25...	--	--	.75	--	3.3	.030	.09	--	1.4
DEC									
06...	.00	.63	.86	.85	3.8	.020	.06	.020	--
JAN									
15...	.17	.45	.90	.73	4.0	.100	.31	.020	5.0
FEB									
07...	.00	.18	.47	.49	2.1	.020	.06	.010	--
19...	.00	.96	1.3	1.5	5.5	.090	.28	.060	21
MAR									
05...	--	--	--	--	--	--	--	--	--
05...	1.4	.56	2.2	.81	9.9	.010	.03	.020	--
APR									
30...	.21	.35	.76	.59	3.4	.040	.12	.010	--
JUN									
24...	.10	.41	.74	.67	3.3	.050	.15	.020	2.0

07061105 WHITE RIVER AT OIL TROUGH, AR

LOCATION.--Lat 35°38'36", long 92°27'42", in NW 1/4 NE 1/4 sec.30, T.12 N., R.4 W., Independence County, Hydrologic Unit 11010004, at Oil Trough Ferry on State Highway 122, and 0.8 mi (1.3 km) north of Oil Trough.

DRAINAGE AREA.--11,234 mi^2 (29,096 km^2).

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

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1200	9827	9827	--	8.1	10.0	13.0	0	9.8	92
NOV 20...	1330	9827	9827	303	8.0	22.0	16.0	5	9.7	97
DEC 18...	1300	9827	9827	--	8.0	3.0	5.0	10	--	--
JAN 22...	1345	9827	9827	301	8.0	7.0	9.0	5	11.6	100
FEB 20...	1245	9827	9827	291	8.2	10.0	6.0	5	11.8	94
MAR 18...	1345	9827	9827	211	7.8	14.0	11.0	55	10.6	95
APR 15...	1515	9827	9827	--	8.0	19.0	12.0	30	11.2	104
MAY 20...	1400	9827	9827	242	7.9	27.0	13.0	40	9.4	89
JUN 17...	1430	9827	9827	288	8.0	22.0	22.0	10	8.9	97
JUL 15...	1100	9827	9827	--	8.2	35.0	19.0	20	9.7	103
AUG 12...	1045	9827	9827	--	8.1	35.0	23.0	5	8.5	98
SEP 16...	1045	9827	9827	307	8.2	33.0	24.0	--	8.1	95

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	1200	150	9	.44	<.010	.040	.010	<5	<10	<5
NOV 20...	1330	184	14	.37	.010	.090	.050	--	<10	--
DEC 18...	1300	168	2	.21	.010	.060	.020	--	<10	--
JAN 22...	1345	170	9	--	<.010	.010	--	--	<10	--
FEB 20...	1245	155	6	.18	<.010	--	<.010	--	<10	--
MAR 18...	1345	144	15	.29	.020	--	.110	--	<10	--
APR 15...	1515	141	2	.14	<.010	.010	.020	<1	<10	2
MAY 20...	1400	150	52	.21	.010	.050	.120	--	<10	--
JUN 17...	1430	--	6	--	<.010	.040	.020	--	<10	--
JUL 15...	1100	154	--	--	.010	.010	.020	--	<10	--
AUG 12...	1045	166	3	.15	<.010	.060	.010	--	--	--
SEP 16...	1045	166	9	.15	.070	--	--	--	<10	--

07061105 WHITE RIVER AT OIL TROUGH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 23...	1200	1.2	>610	130	34	10	2.7	1.0	120	7.5	7.0
NOV 20...	1330	2.5	32	--	--	--	--	--	--	6.5	4.0
DEC 18...	1300	3.4	<4	--	--	--	--	--	--	6.5	11
JAN 22...	1345	--	<4	--	31	14	2.0	1.0	160	4.5	7.0
FEB 20...	1245	2.2	4	--	--	--	--	--	--	5.0	--
MAR 18...	1345	2.3	>930	--	--	--	--	--	--	5.0	4.0
APR 15...	1515	3.3	88	120	33	8.5	1.9	1.0	110	4.0	7.0
MAY 20...	1400	2.3	350	--	--	--	--	--	--	6.0	5.0
JUN 17...	1430	4.5	80	--	--	--	--	--	--	--	9.0
JUL 15...	1100	2.7	28	--	36	13	3.0	2.0	140	8.5	--
AUG 12...	1045	5.5	170	--	--	--	--	--	--	7.5	--
SEP 16...	1045	--	20	--	--	--	--	--	--	8.0	3.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1200	20	220	<10	120	40	--	--	--	--	--
NOV 20...	1330	20	140	--	82	20	--	--	--	--	--
DEC 18...	1300	<20	970	--	100	10	--	--	--	--	--
JAN 22...	1345	<20	380	<10	94	<10	.00	.00	.00	.00	.00
FEB 20...	1245	<20	490	--	85	<10	--	--	--	--	--
MAR 18...	1345	<20	1900	--	150	<10	--	--	--	--	--
APR 15...	1515	<20	350	<10	64	<10	--	--	--	--	--
MAY 20...	1400	<20	2100	--	110	<10	--	--	--	--	--
JUN 17...	1430	<20	130	--	56	<10	--	--	--	--	--
JUL 15...	1100	<20	--	<10	26	10	--	--	--	--	--
SEP 16...	1045	<20	80	--	38	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1345	.00	.00	.00	.00	0	.00

07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW 1/4 NE 1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi (3.5 km) east of Corning, 11.9 mi (19.1 km) downstream from Cane Creek, and at mile 152.2 (244.9 km).

DRAINAGE AREA.--1,749 mi^2 (4,530 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected January 1925 to December 1929 at site 7.0 mi (11.3 km) downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft (83.180 m) above mean Gulf level (Corps of Engineers bench mark). Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft (9 m) downstream at present datum.

REMARKS.--Records good. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi (169 km) upstream, capacity, 413,700 acre-ft (510 hm^3).

AVERAGE DISCHARGE.--42 years, 1,799 ft^3/s (50.9 m^3/s), 1,303,000 acre-ft/yr (1,610 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s (1,380 m^3/s) June 13, 1945; maximum gage height, 16.92 ft (5.157 m) June 13, 1945; minimum discharge, 224 ft^3/s (6.34 m^3/s) Sept. 22-27, 1941; minimum gage height observed, -0.52 ft (-0.158 m) Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft (4.39 m), from records of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 4,150 ft^3/s (118 m^3/s) Apr. 1, gage height, 10.88 ft (3.316 m); minimum daily, 285 ft^3/s (8.07 m^3/s) Aug. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	504	1420	2360	795	1940	4010	1150	1130	481	342	316
2	525	507	1390	2460	776	1700	4070	1100	1070	523	318	316
3	513	510	1230	2500	762	1510	3680	1050	978	490	306	317
4	517	505	1160	2420	749	1400	3210	978	880	436	301	323
5	525	503	1220	2190	741	1340	2960	892	794	398	296	342
6	524	502	1250	1920	736	1280	2870	826	737	380	295	337
7	512	497	1180	1640	728	1200	2850	780	699	369	290	329
8	501	501	1070	1410	728	1130	2940	739	670	362	290	324
9	494	539	983	1240	743	1070	2890	686	651	354	290	355
10	491	687	910	1130	760	1030	2720	637	653	347	285	400
11	486	760	843	1170	751	1000	2530	606	641	342	290	388
12	475	720	824	1480	741	981	2340	595	605	337	330	360
13	461	626	980	1680	730	959	2130	619	547	331	334	341
14	447	540	1260	1670	724	930	2020	657	503	326	329	327
15	436	494	1320	1510	772	903	1960	719	477	320	353	314
16	430	475	1200	1330	1380	891	1940	729	469	316	387	307
17	423	601	1020	1220	2280	1130	1870	704	487	313	402	313
18	422	802	868	1170	2810	1900	1780	758	504	307	389	333
19	420	883	776	1120	2890	2450	1680	832	502	299	362	344
20	418	844	726	1070	2770	2520	1610	867	466	295	342	338
21	421	776	697	1040	2670	2380	1600	873	442	294	332	356
22	440	790	741	1020	2660	2320	1610	871	420	299	333	383
23	466	915	899	1000	2690	2420	1600	873	399	300	335	385
24	491	977	1270	983	2730	2530	1560	867	409	309	326	364
25	502	935	2050	953	2760	2690	1500	880	434	313	318	364
26	500	899	2700	922	2740	2800	1430	863	452	309	313	373
27	504	1070	2920	901	2650	2720	1390	814	459	318	310	357
28	506	1260	2820	879	2450	2580	1320	809	441	381	309	337
29	505	1350	2550	853	2180	2530	1250	839	420	443	313	324
30	502	1390	2340	832	---	2710	1200	900	422	424	315	317
31	505	---	2290	816	---	3270	---	1100	---	379	314	---
TOTAL	14922	22362	42907	42889	46896	56214	66520	25613	17761	11095	10049	10284
MEAN	481	745	1384	1384	1617	1813	2217	826	592	358	324	343
MAX	560	1390	2920	2500	2890	3270	4070	1150	1130	523	402	400
MIN	418	475	697	816	724	891	1200	595	399	294	285	307
AC-FT	29600	44360	85110	85070	93020	111500	131900	50800	35230	22010	19930	20400

CAL YR 1979 TOTAL 1094169 MEAN 2998 MAX 18500 MIN 418 AC-FT 2170000
WTR YR 1980 TOTAL 367512 MEAN 1004 MAX 4070 MIN 285 AC-FT 729000

07064000 BLACK RIVER NEAR CORNING, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-60, 1966, October 1970 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1956 to September 1959.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1523	9827	9827	272	8.1	23.0	23.0	10	8.2	94
30...	1656	9827	9827	--	7.9	21.0	17.0	5	8.9	92
NOV										
20...	1226	9827	9827	--	7.9	20.0	14.0	10	10.1	97
JAN										
29...	1015	9827	9827	237	7.9	-4.0	3.0	15	12.1	90
FEB										
26...	1000	9827	9827	185	7.7	4.0	5.0	15	11.3	88
MAR										
25...	1100	9827	9827	159	7.3	7.0	9.0	70	9.5	82
APR										
23...	1200	9827	9827	--	7.7	25.0	20.0	15	10.0	109
MAY										
20...	1545	9827	9827	239	7.9	27.0	22.0	15	9.0	102
JUN										
24...	1600	9827	9827	274	8.1	30.0	27.0	15	9.5	117
JUL										
23...	1535	9827	9827	--	8.2	32.0	31.0	20	8.8	117
AUG										
19...	1130	9827	9827	295	--	34.0	36.0	10	8.0	105
SEP										
16...	1045	9827	9827	297	--	31.0	26.0	--	8.3	101

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
02...	1523	152	62	.11	.010	.100	.090	6	<10	<5
30...	1656	152	32	.09	<.010	.040	--	--	--	--
NOV										
20...	1226	151	18	.09	.010	.090	.050	--	--	--
JAN										
29...	1015	142	5	.19	.010	--	.020	--	<10	<5
FEB										
26...	1000	123	13	.27	--	.030	.060	--	--	--
MAR										
25...	1100	144	47	--	--	.060	.160	--	--	--
APR										
23...	1200	127	28	.12	.020	<.010	.040	2	<10	--
MAY										
20...	1545	144	64	.25	.010	.050	.140	--	--	--
JUN										
24...	1600	--	24	.20	.010	.020	.090	--	--	--
JUL										
23...	1535	247	--	.04	.010	.050	.240	--	<10	--
AUG										
19...	1130	--	26	.08	.010	.070	.100	--	--	--
SEP										
16...	1045	165	31	.10	.080	--	.090	--	--	--

07064000 BLACK RIVER NEAR CORNING, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
02...	1523	1.5	120	130	28	15	3.8	2.0	110	6.5	6.0
30...	1656	1.4	12	--	--	--	--	--	--	5.0	9.0
NOV											
20...	1226	1.4	56	--	--	--	--	--	--	5.5	8.0
JAN											
29...	1015	3.2	8	--	23	13	3.5	.9	120	5.0	10
FEB											
26...	1000	2.3	<13	--	--	--	--	--	--	6.0	9.0
MAR											
25...	1100	1.9	240	--	--	--	--	--	--	4.5	5.0
APR											
23...	1200	2.7	16	100	21	11	2.2	1.0	92	5.0	9.0
MAY											
20...	1545	4.7	20	--	--	--	--	--	--	4.0	7.0
JUN											
24...	1600	--	36	--	--	--	--	--	--	6.5	7.0
JUL											
23...	1535	3.0	380	--	29	17	3.0	2.0	150	9.0	8.0
AUG											
19...	1130	3.0	>600	--	--	--	--	--	--	8.0	6.0
SEP											
16...	1045	2.8	48	--	--	--	--	--	--	7.0	3.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1523	<20	1200	<10	230	30	--	--	--	--	--
NOV											
20...	1226	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
29...	1015	<20	500	<10	240	<10	--	--	--	--	--
APR											
23...	1200	<20	1100	<10	150	<10	--	--	--	--	--
JUN											
24...	1600	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
23...	1535	<20	1100	<10	200	20	.00	.00	.00	.00	.00
AUG											
19...	1130	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	1045	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
20...	1226	.00	.00	.00	.00	0	.00
JUN							
24...	1600	.00	.00	.00	.00	0	.00
JUL							
23...	1535	.00	.00	.00	.00	0	.00
AUG							
19...	1130	.00	.00	.00	.00	0	.00
SEP							
16...	1045	.00	.00	.00	.00	0	.00

07068850 CURRENT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°17'55", long 90°51'30", in SE 1/4 SE 1/4 sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi (8.8 km) northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^2 (6,750 km^2).

PERIOD OF RECORD.--Water years 1955-58, October 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1615	9827	9827	298	8.2	23.0	21.0	0	8.8	98
30...	1755	9827	9827	--	7.8	21.0	17.0	0	9.4	97
NOV										
20...	1143	9827	9827	--	8.1	20.0	15.0	5	10.3	101
JAN										
29...	0945	9827	9827	294	8.1	-3.0	5.0	5	11.9	93
FEB										
26...	0930	9827	9827	256	8.0	-4.0	7.0	20	11.1	91
MAR										
25...	1130	9827	9827	231	7.6	8.0	10.0	30	10.3	91
APR										
23...	1045	9827	9827	--	7.9	24.0	19.0	5	9.5	101
MAY										
20...	1505	9827	9827	296	8.0	27.0	23.0	15	9.5	109
JUN										
24...	1500	9827	9827	311	8.1	33.0	26.0	10	8.5	104
JUL										
22...	1415	9827	9827	--	8.2	33.0	28.0	10	9.4	119
AUG										
19...	1230	9827	9827	329	--	34.0	29.0	5	8.0	103
SEP										
16...	1225	9827	9827	332	--	36.0	26.0	--	8.7	106

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
02...	1615	170	14	.19	<.010	.060	.020	<5	<10	9
30...	1755	181	5	.11	<.010	.030	--	--	--	--
NOV										
20...	1143	184	20	.13	<.010	.080	.060	--	--	--
JAN										
29...	0945	186	2	.23	.010	--	.010	--	<10	<5
FEB										
26...	0930	152	28	.30	--	.050	.060	--	--	--
MAR										
25...	1130	161	24	--	--	.190	.060	--	--	--
APR										
23...	1045	156	12	.15	.030	.030	.030	3	<10	--
MAY										
20...	1505	174	80	.22	.010	.070	.110	--	--	--
JUN										
24...	1500	--	18	.17	.010	.030	.020	--	--	--
JUL										
22...	1415	267	--	.07	<.010	.050	.160	--	<10	--
AUG										
19...	1230	--	20	.09	.010	.050	.030	--	--	--
SEP										
16...	1225	179	11	.07	.070	--	.020	--	--	--

07068850 CURRENT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
02...	1615	1.1	96	170	34	20	2.2	.8	160	5.0	4.0
30...	1755	.5	8	--	--	--	--	--	--	5.5	5.0
NOV											
20...	1143	1.4	4	--	--	--	--	--	--	5.0	4.0
JAN											
29...	0945	3.7	8	--	28	17	2.2	.8	160	3.0	5.0
FEB											
26...	0930	1.8	39	--	--	--	--	--	--	4.0	4.0
MAR											
25...	1130	1.9	140	--	--	--	--	--	--	4.0	1.0
APR											
23...	1045	3.8	<4	140	29	16	1.9	1.0	130	4.0	4.0
MAY											
20...	1505	3.3	36	--	--	--	--	--	--	5.5	3.0
JUN											
24...	1500	--	140	--	--	--	--	--	--	4.0	3.0
JUL											
22...	1415	3.1	88	--	34	21	2.0	1.0	180	9.0	4.0
AUG											
19...	1230	4.5	16	--	--	--	--	--	--	7.0	3.0
SEP											
16...	1225	1.9	4	--	--	--	--	--	--	6.5	<1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1615	<20	190	<10	61	10	--	--	--	--	--
JAN											
29...	0945	<20	170	<10	180	<10	--	--	--	--	--
APR											
23...	1045	<20	560	<10	44	90	--	--	--	--	--
JUN											
24...	1500	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
22...	1415	<20	340	<10	52	<10	.00	.00	.00	.00	.00
AUG											
19...	1230	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	1225	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JUN							
24...	1500	.00	.00	.00	.00	0	.00
JUL							
22...	1415	.00	.00	.00	.00	0	.00
AUG							
19...	1230	.00	.00	.00	.00	0	.00
SEP							
16...	1225	.00	.00	.00	.00	0	.00

07069000 BLACK RIVER AT POCAHONTAS, AR

LOCATION.--Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi (2.6 km) downstream from Fourche Creek, 6.1 mi (9.8 km) downstream from Current River, 18.1 mi (29.1 km) upstream from Spring River, and at mile 90.1 (145.0 km).

DRAINAGE AREA.--4,845 mi^2 (12,548 km^2).

PERIOD OF RECORD.--October 1965 to September 1966, October 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1500	9827	9827	--	8.2	20.0	18.0	0	8.9	94
NOV 20...	1200	9827	9827	282	8.2	22.0	14.0	5	10.2	98
DEC 18...	1130	9827	9827	--	7.8	2.0	3.0	90	--	--
JAN 22...	1225	9827	9827	258	7.9	5.0	8.0	30	10.7	90
FEB 20...	1115	9827	9827	212	7.9	8.0	5.0	40	10.4	81
MAR 18...	1200	9827	9827	195	7.7	10.0	10.0	160	10.0	88
APR 15...	1115	9827	9827	--	7.9	14.0	11.0	30	9.2	83
MAY 20...	1230	9827	9827	303	8.0	25.0	20.0	10	8.5	92
JUN 17...	1200	9827	9827	294	8.0	21.0	24.0	10	7.7	91
JUL 15...	1345	9827	9827	--	8.3	39.0	31.0	40	9.1	121
AUG 12...	1400	9827	9827	--	8.2	37.0	30.0	5	8.2	108
SEP 16...	1310	9827	9827	338	8.3	36.0	27.0	--	8.7	107

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	1500	178	10	.13	<.010	.040	.010	<5	<10	<5
NOV 20...	1200	177	11	.11	<.010	.100	.020	--	<10	--
DEC 18...	1130	178	18	.21	.010	.090	.110	--	<10	--
JAN 22...	1225	165	13	--	.010	.040	<.010	--	<10	--
FEB 20...	1115	129	10	.42	.020	--	.010	--	<10	--
MAR 18...	1200	176	102	.28	.070	--	.150	--	<10	--
APR 15...	1115	136	12	.15	<.010	.030	.050	3	<10	6
MAY 20...	1230	173	30	.22	.010	--	.040	--	<10	--
JUN 17...	1200	--	23	--	<.010	.030	.070	--	<10	--
JUL 15...	1345	165	--	--	.010	.010	.050	--	<10	--
AUG 12...	1400	166	6	.11	.010	.060	.010	--	--	--
SEP 16...	1310	180	33	.08	.060	--	--	--	<10	--

07069000 BLACK RIVER AT POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 23...	1500	1.3	28	160	33	19	2.4	1.0	160	5.5	4.0
NOV 20...	1200	1.5	20	--	--	--	--	--	--	6.5	2.0
DEC 18...	1130	3.0	<4	--	--	--	--	--	--	6.0	10
JAN 22...	1225	--	32	--	23	14	2.5	1.0	140	4.5	7.0
FEB 20...	1115	1.7	28	--	--	--	--	--	--	4.5	--
MAR 18...	1200	3.2	--	--	--	--	--	--	--	4.5	4.0
APR 15...	1115	1.4	130	77	20	6.0	2.2	1.0	110	3.5	6.0
MAY 20...	1230	3.2	24	--	--	--	--	--	--	5.5	3.0
JUN 17...	1200	1.5	--	--	--	--	--	--	--	--	5.0
JUL 15...	1345	4.8	32	--	32	22	3.0	1.0	170	7.5	--
AUG 12...	1400	3.0	>600	--	--	--	--	--	--	7.0	--
SEP 16...	1310	--	12	--	--	--	--	--	--	6.5	1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1500	<20	190	<10	110	30	--	--	--	--	--
NOV 20...	1200	<20	340	--	89	10	--	--	--	--	--
DEC 18...	1130	<20	350	--	180	20	--	--	--	--	--
JAN 22...	1225	<20	1100	10	200	<10	.00	.00	.00	.00	.00
FEB 20...	1115	<20	1500	--	80	10	--	--	--	--	--
MAR 18...	1200	<20	3800	--	180	20	--	--	--	--	--
APR 15...	1115	<20	900	<10	70	<10	--	--	--	--	--
MAY 20...	1230	<20	750	--	120	20	--	--	--	--	--
JUN 17...	1200	<20	540	--	160	<10	--	--	--	--	--
JUL 15...	1345	<20	--	<10	85	<10	--	--	--	--	--
SEP 16...	1310	<20	410	--	330	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1225	.00	.00	.00	.00	0	.00

07069266 SPRING RIVER NEAR HARDY, AR

LOCATION.--Lat 36°20'00", long 91°30'30", in SW 1/4 SW 1/4 sec.34, T.20 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at low-water bridge on county road, 1.8 mi (2.9 km) upstream from South Fork Spring River, and 2.2 mi (3.5 km) northwest of Hardy.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1630	9827	9827	--	8.2	14.0	16.0	5	8.6	86
NOV 20...	1030	9827	9827	413	8.2	20.0	15.0	5	9.6	94
DEC 18...	1000	9827	9827	--	8.2	.0	4.0	5	--	--
JAN 22...	1100	9827	9827	435	8.1	4.0	9.0	5	10.6	91
FEB 20...	0945	9827	9827	424	8.2	7.0	9.0	5	10.5	91
MAR 18...	0945	9827	9827	421	8.2	4.0	10.0	5	11.2	99
APR 15...	0945	9827	9827	--	8.2	13.0	10.0	5	11.1	98
MAY 20...	1030	9827	9827	441	8.1	21.0	18.0	5	8.0	84
JUN 17...	1030	9827	9827	435	8.0	20.0	19.0	15	7.5	80
JUL 15...	1515	9827	9827	--	8.2	41.0	26.0	30	8.1	99
AUG 12...	1515	9827	9827	--	8.2	39.0	26.0	5	8.9	109
SEP 16...	1500	9827	9827	45	8.2	36.0	23.0	--	9.4	108

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	1630	246	2	.54	.010	.050	.010	<5	<10	<5
NOV 20...	1030	248	4	.50	.010	.090	.020	--	<10	--
DEC 18...	1000	259	2	.55	<.010	.040	.020	--	<10	--
JAN 22...	1100	243	2	--	.010	.040	<.010	--	<10	--
FEB 20...	0945	237	2	.66	.010	--	.010	--	<10	--
MAR 18...	0945	243	2	.75	.010	--	<.010	--	<10	--
APR 15...	0945	232	3	.62	<.010	.010	.010	4	<10	2
MAY 20...	1030	249	16	.52	.010	.060	.070	--	<10	--
JUN 17...	1030	--	8	--	.010	.060	.040	--	<10	--
JUL 15...	1515	239	--	--	.010	.050	.040	--	<10	--
AUG 12...	1515	244	--	.40	.010	.070	.020	--	--	--
SEP 16...	1500	240	8	.36	.060	--	--	--	<10	--

07069266 SPRING RIVER NEAR HARDY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 23...	1630	.3	12	210	42	27	1.5	1.0	220	4.5	3.0
NOV 20...	1030	1.3	24	--	--	--	--	--	--	4.5	1.0
DEC 18...	1000	2.5	<4	--	--	--	--	--	--	5.5	7.0
JAN 22...	1100	--	32	--	39	24	1.0	1.0	240	5.0	3.0
FEB 20...	0945	1.8	12	--	--	--	--	--	--	4.5	--
MAR 18...	0945	2.0	16	--	--	--	--	--	--	4.5	1.0
APR 15...	0945	--	48	220	46	26	1.3	1.0	230	4.0	4.0
MAY 20...	1030	1.9	20	--	--	--	--	--	--	4.0	1.0
JUN 17...	1030	1.3	48	--	--	--	--	--	--	--	2.0
JUL 15...	1515	1.4	24	--	46	30	2.0	2.0	250	6.0	--
AUG 12...	1515	1.4	250	--	--	--	--	--	--	7.5	--
SEP 16...	1500	--	68	--	--	--	--	--	--	4.5	<1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1630	20	120	<10	41	30	--	--	--	--	--
NOV 20...	1030	<20	<30	--	21	<10	--	--	--	--	--
DEC 18...	1000	<20	<30	--	13	<10	--	--	--	--	--
JAN 22...	1100	<20	80	<10	90	<10	.00	.00	.00	.00	.00
FEB 20...	0945	<20	150	--	43	20	--	--	--	--	--
MAR 18...	0945	<20	400	--	13	<10	--	--	--	--	--
APR 15...	0945	<20	160	<10	--	<10	--	--	--	--	--
MAY 20...	1030	<20	270	--	27	<10	--	--	--	--	--
JUN 17...	1030	<20	100	--	10	<10	--	--	--	--	--
JUL 15...	1515	<20	--	<10	57	<10	--	--	--	--	--
SEP 16...	1500	<20	60	--	24	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1100	.00	.00	.00	.00	0	.00

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR

LOCATION.--Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi (0.3 km) southeast of Saddle.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	0930	9827	9827	--	8.1	6.0	14.0	5	7.3	70
NOV 20...	0915	9827	9827	371	8.2	20.0	14.0	0	10.2	98
DEC 18...	0900	9827	9827	--	8.1	1.0	1.0	10	--	--
JAN 22...	0945	9827	9827	365	8.2	4.0	7.0	5	11.4	93
FEB 20...	0910	9827	9827	297	8.1	5.0	6.0	10	12.1	97
MAR 18...	0900	9827	9827	400	8.4	3.0	8.0	3	11.3	95
APR 15...	0900	9827	9827	--	8.1	10.0	9.0	10	11.2	97
MAY 20...	0900	9827	9827	375	8.1	20.0	17.0	15	8.1	84
JUN 17...	0930	9827	9827	403	8.0	17.0	22.0	20	7.0	80
JUL 15...	1600	9827	9827	--	8.3	41.0	32.0	20	11.1	150
AUG 12...	1615	9827	9827	--	8.2	40.0	31.0	5	12.0	160
SEP 16...	1545	9827	9827	461	8.1	38.0	26.0	--	13.3	162

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	0930	217	2	.06	<.010	.050	.010	<5	<10	<5
NOV 20...	0915	224	2	.09	<.010	.100	.010	--	<10	--
DEC 18...	0900	195	2	.23	<.010	.050	.010	--	<10	--
JAN 22...	0945	204	2	--	.010	.060	<.010	--	<10	--
FEB 20...	0910	171	3	.59	<.010	--	.070	--	<10	--
MAR 18...	0900	154	2	.28	.010	--	<.010	--	<10	--
APR 15...	0900	181	1	.26	<.010	.010	.010	13	<10	1
MAY 20...	0900	219	19	.23	.010	.040	.020	--	<10	--
JUN 17...	0930	--	19	--	.010	.060	.070	--	<10	--
JUL 15...	1600	232	--	--	.010	.020	.030	--	<10	--
AUG 12...	1615	223	--	.01	<.010	.090	.010	--	--	--
SEP 16...	1545	248	7	.06	.050	--	--	--	<10	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 23...	0930	3.1	160	220	43	26	1.7	2.0	220	4.5	4.0
NOV 20...	0915	3.2	28	--	--	--	--	--	--	5.5	2.0
DEC 18...	0900	5.2	8	--	--	--	--	--	--	5.5	7.0
JAN 22...	0945	--	<4	--	33	22	1.6	.9	200	5.0	4.0
FEB 20...	0910	1.6	4	--	--	--	--	--	--	5.5	--
MAR 18...	0900	1.9	20	--	--	--	--	--	--	5.5	1.0
APR 15...	0900	1.1	130	130	35	11	1.6	1.0	180	3.5	3.0
MAY 20...	0900	1.6	20	--	--	--	--	--	--	5.5	1.0
JUN 17...	0930	.9	130	--	--	--	--	--	--	--	3.0
JUL 15...	1600	5.9	<4	--	39	28	2.0	2.0	220	5.5	--
AUG 12...	1615	2.6	32	--	--	--	--	--	--	6.5	--
SEP 16...	1545	--	52	--	--	--	--	--	--	4.5	<1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	0930	20	120	<10	30	30	--	--	--	--	--
NOV 20...	0915	<20	90	--	27	<10	--	--	--	--	--
DEC 18...	0900	<20	270	--	<10	30	--	--	--	--	--
JAN 22...	0945	<20	130	10	300	10	.00	.00	.00	.00	.00
FEB 20...	0910	<20	210	--	76	<10	--	--	--	--	--
MAR 18...	0900	<20	130	--	65	<10	--	--	--	--	--
APR 15...	0900	<20	230	<10	59	30	--	--	--	--	--
MAY 20...	0900	100	430	--	190	260	--	--	--	--	--
JUN 17...	0930	20	150	--	100	40	--	--	--	--	--
JUL 15...	1600	<20	--	<10	74	10	--	--	--	--	--
SEP 16...	1545	<20	50	--	63	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	0945	.00	.00	.00	.00	0	.00

07069370 SPRING RIVER AT RAVENDEN, AR

LOCATION.--Lat 36°13'30", long 91°15'03", in SE 1/4 NW 1/4 sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft (122 m) upstream from Starling Creek, and 0.5 mi (0.8 km) south of Ravenden.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1530	9827	9827	--	8.3	16.0	18.0	5	9.2	97
NOV 20...	1100	9827	9827	403	8.3	22.0	14.0	5	10.3	99
DEC 18...	1030	9827	9827	--	8.2	1.0	4.0	5	--	--
JAN 22...	1130	9827	9827	419	8.0	4.0	9.0	5	10.4	90
FEB 20...	1030	9827	9827	382	8.2	7.0	8.0	5	11.4	96
MAR 18...	1030	9827	9827	400	8.1	9.0	10.0	10	11.0	97
APR 15...	1030	9827	9827	--	8.2	12.0	10.0	5	10.9	96
MAY 20...	1115	9827	9827	441	8.2	22.0	20.0	5	8.4	91
JUN 17...	1115	9827	9827	441	8.1	21.0	23.0	10	7.4	85
JUL 15...	1430	9827	9827	--	8.4	41.0	30.0	30	8.5	112
AUG 12...	1445	9827	9827	--	8.3	37.0	27.0	5	--	--
SEP 16...	1415	9827	9827	438	8.3	38.0	26.0	--	8.8	107

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	1530	230	6	.31	<.010	.050	.010	<5	<10	<5
NOV 20...	1100	243	7	.24	<.010	.090	.050	--	<10	--
DEC 18...	1030	235	2	.30	<.010	.040	.040	--	<10	--
JAN 22...	1130	242	4	--	.010	.010	<.010	--	<10	--
FEB 20...	1030	207	7	.49	.010	--	.010	--	<10	--
MAR 18...	1030	231	2	.39	.010	--	.010	--	<10	--
APR 15...	1030	216	2	.38	<.010	.010	.010	4	<10	2
MAY 20...	1115	240	21	.38	.010	.030	.010	--	<10	--
JUN 17...	1115	--	24	--	<.010	.040	.080	--	<10	--
JUL 15...	1430	227	--	--	.010	.010	.050	--	<10	--
AUG 12...	1445	222	--	.15	.010	.060	.030	--	--	--
SEP 16...	1415	234	16	.17	.050	--	--	--	<10	--

07069370 SPRING RIVER AT RAVENDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 23...	1530	1.6	12	210	41	26	1.6	1.0	220	4.0	4.0
NOV 20...	1100	1.2	4	--	--	--	--	--	--	4.5	1.0
DEC 18...	1030	3.0	4	--	--	--	--	--	--	4.5	5.0
JAN 22...	1130	--	4	--	39	24	1.3	1.0	240	4.5	4.0
FEB 20...	1030	1.3	8	--	--	--	--	--	--	4.0	--
MAR 18...	1030	3.2	48	--	--	--	--	--	--	4.5	1.0
APR 15...	1030	1.5	44	160	44	12	1.2	1.0	220	4.0	4.0
MAY 20...	1115	1.7	110	--	--	--	--	--	--	5.5	2.0
JUN 17...	1115	2.0	180	--	--	--	--	--	--	--	3.0
JUL 15...	1430	2.4	110	--	45	30	2.0	2.0	240	5.5	--
AUG 12...	1445	--	>600	--	--	--	--	--	--	9.5	--
SEP 16...	1415	--	56	--	--	--	--	--	--	5.0	<1.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1530	30	50	<10	43	30	--	--	--	--	--
NOV 20...	1100	<20	220	--	34	<10	--	--	--	--	--
DEC 18...	1030	<20	990	--	41	20	--	--	--	--	--
JAN 22...	1130	<20	30	<10	63	<10	.00	.00	.00	.00	.00
FEB 20...	1030	<20	270	--	33	10	--	--	--	--	--
MAR 18...	1030	<20	470	--	43	<10	--	--	--	--	--
APR 15...	1030	<20	240	<10	29	<10	--	--	--	--	--
MAY 20...	1115	<20	390	--	120	10	--	--	--	--	--
JUN 17...	1115	<20	160	--	61	<10	--	--	--	--	--
JUL 15...	1430	<20	--	<10	33	10	--	--	--	--	--
SEP 16...	1415	<20	120	--	130	10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1130	.00	.00	.00	.00	0	.00

07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE 1/4 NE 1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi (2.9 km) upstream from Harding Creek, 3.9 mi (6.3 km) downstream from Janes Creek, 8.2 mi (13.2 km) upstream from Eleven Point River, and at mile 12.1 (19.5 km).

DRAINAGE AREA.--1,183 mi^2 (3,064 km^2).

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft (77.441 m) National Geodetic Vertical Datum of 1929. Prior to July 17, 1937, nonrecording gage at site 200 ft (61 m) downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 1,370 ft^3/s (38.8 m^3/s), 15.73 in/yr (400 mm/yr), 992,600 acre-ft/yr (1,220 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,700 ft^3/s (2,340 m^3/s) Mar. 28, 1977, gage height, 28.78 ft (8.772 m), minimum daily, 215 ft^3/s (6.09 m^3/s) Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft (9.78 m), from information by Corps of Engineers, discharge, about 125,000 ft^3/s (3,540 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,770 ft^3/s (220 m^3/s), Dec. 24, gage height, 12.97 ft (3.953 m), no peak above base of 9,000 ft^3/s (255 m^3/s); minimum, 316 ft^3/s (8.95 m^3/s) Sept. 15, 16, gage height 2.41 ft (0.735 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	456	556	887	1310	735	1020	2320	1030	1890	544	393	330
2	448	494	811	1220	724	982	2030	1000	1330	527	386	343
3	441	476	762	1190	722	955	1910	981	1050	510	381	334
4	440	463	751	1140	712	947	1770	956	923	499	385	402
5	433	453	727	1090	727	939	1640	933	848	488	379	384
6	433	448	704	1050	704	903	1550	909	787	478	380	354
7	431	440	677	1040	696	889	1520	883	745	468	377	344
8	431	478	650	1000	737	878	2350	859	696	457	372	338
9	428	1110	629	968	725	850	1760	832	668	446	368	335
10	426	1440	615	952	697	836	1580	814	644	438	364	329
11	428	1040	606	1160	683	812	1490	815	626	430	363	327
12	426	817	804	1080	680	847	1550	805	609	424	357	329
13	422	717	1580	1040	678	860	1520	890	596	416	358	328
14	414	656	1410	1030	689	834	1910	920	589	414	366	322
15	418	625	1160	1000	1200	811	2040	900	574	408	376	318
16	420	621	1020	1020	2550	879	1930	990	568	402	367	319
17	432	602	898	1010	2280	1860	1770	980	587	394	362	368
18	568	583	828	990	1840	1320	1690	970	587	391	357	348
19	471	568	789	970	1650	1200	1590	950	576	392	371	337
20	449	559	753	950	1540	1150	1510	940	569	391	364	335
21	446	611	723	926	1470	1260	1440	914	569	389	358	335
22	496	1130	721	917	1410	1260	1370	894	556	388	346	334
23	523	1230	829	892	1340	1280	1320	1290	627	378	346	365
24	473	1020	6450	879	1260	1710	1270	1490	1260	378	345	367
25	460	1030	5100	862	1210	1700	1260	1170	890	377	342	355
26	454	2890	2650	840	1140	1620	1210	1040	735	376	341	350
27	451	1660	2060	814	1100	1510	1180	950	663	394	342	345
28	451	1300	1750	795	1080	1550	1130	883	622	419	343	354
29	444	1100	1580	777	1040	1560	1090	838	590	410	353	357
30	441	976	1490	771	---	3260	1060	809	560	405	345	357
31	531	---	1400	760	---	2750	---	1240	---	399	334	---
TOTAL	13985	26093	41814	30443	32019	39232	47760	29875	22534	13230	11221	10343
MEAN	451	870	1349	982	1104	1266	1592	964	751	427	362	345
MAX	568	2890	6450	1310	2550	3260	2350	1490	1890	544	393	402
MIN	414	440	606	760	678	811	1060	805	556	376	334	318
CFSM	.38	.74	1.14	.83	.93	1.07	1.35	.82	.64	.36	.31	.29
IN.	.44	.82	1.31	.96	1.01	1.23	1.50	.94	.71	.42	.35	.33
AC-FT	27740	51760	82940	60380	63510	77820	94730	59260	44700	26240	22260	20520

CAL YR 1979	TOTAL	737605	MEAN	2021	MAX	22100	MIN 414	CFSM 1.71	IN 23.19	AC-FT	1463000	
WTR YR 1980	TOTAL	318549	MEAN	870	MAX	6450	MIN 318	CFSM .74	IN 10.02	AC-FT	631800	

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, AR

LOCATION.--Lat 36°20'48", long 91°06'48", in SE 1/4 SE 1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on left bank at downstream side of bridge on State Highway 90, 0.9 mi (1.4 km) downstream from Hincha Creek, 1.9 mi (3.1 km) upstream from Eassis Creek, 6.6 mi (10.6 km) northeast of Ravenden Springs, and at mile 21.2 (34.1 km).

DRAINAGE AREA.--1,134 mi^2 (2,937 km^2).

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to current year. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930-33, 1936-38. WSP 977: 1933, 1937-39, 1942. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft (88.996 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1938, nonrecording gage at present site at datum 0.04 ft (0.012 m) higher. Nov. 21 to Dec. 11, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--49 years, 1,126 ft^3/s (31.9 m^3/s), 13.48 in/yr (342 mm/yr), 815,800 acre-ft/yr (1,010 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,600 ft^3/s (1,060 m^3/s) Nov. 17, 1958, gage height, 20.83 ft (6.349 m), from rating curve extended above 23,000 ft^3/s (651 m^3/s); minimum observed, 226 ft^3/s (6.40 m^3/s) Sept. 9, 1936, gage height, 2.13 ft (0.649 m), present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,670 ft^3/s (104 m^3/s) Mar. 30, gage height, 7.77 ft (2.368 m), no peak above base of 6,000 ft^3/s (170 m^3/s); minimum, 418 ft^3/s (11.8 m^3/s) Sept. 27, 28, 30, gage height, 2.88 ft (0.878 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	670	625	785	1020	703	990	2010	960	1000	638	520	443
2	665	609	759	980	694	954	1820	945	941	631	511	451
3	662	599	736	962	694	932	1740	929	900	626	501	446
4	658	594	722	933	687	925	1620	912	867	624	500	457
5	653	590	714	907	693	920	1510	897	845	619	500	450
6	653	590	709	888	686	898	1430	889	826	616	494	450
7	648	585	699	880	674	885	1410	874	812	609	484	448
8	647	618	684	859	702	877	1580	862	797	603	481	447
9	647	738	671	839	683	860	1400	849	779	598	479	444
10	641	757	664	829	666	846	1320	840	766	593	476	437
11	641	714	661	910	661	831	1280	835	753	588	474	431
12	641	678	865	875	657	837	1290	851	738	583	473	430
13	635	658	940	864	651	831	1240	878	728	580	474	431
14	627	644	810	859	654	816	1310	847	723	578	483	427
15	625	633	762	849	1070	801	1320	828	717	574	483	428
16	624	627	736	852	1680	843	1330	884	715	568	473	426
17	628	621	708	843	1640	1060	1310	916	737	566	468	459
18	642	618	694	833	1400	950	1280	924	711	563	479	444
19	627	614	687	822	1290	946	1240	903	702	560	489	436
20	627	611	680	811	1240	957	1200	881	690	558	471	431
21	627	656	674	798	1210	1040	1170	862	710	557	466	430
22	657	776	680	795	1240	1070	1150	854	686	562	460	429
23	650	787	767	787	1220	1110	1120	888	706	552	455	453
24	628	739	2700	781	1180	1280	1100	1020	713	549	453	439
25	620	788	2290	777	1140	1300	1090	1030	689	547	453	432
26	616	1360	1650	768	1090	1280	1060	994	676	544	451	426
27	613	1060	1400	754	1060	1250	1040	950	668	567	448	420
28	614	941	1250	738	1040	1270	1020	916	656	561	448	423
29	610	863	1160	726	1010	1270	993	900	651	560	446	424
30	608	817	1120	721	---	2660	976	926	647	541	444	423
31	633	---	1060	715	---	2330	---	947	---	532	443	---
TOTAL	19737	21510	29437	25975	28015	33819	39359	27991	22549	17947	14680	13115
MEAN	637	717	950	838	966	1091	1312	903	752	579	474	437
MAX	670	1360	2700	1020	1680	2660	2010	1030	1000	638	520	459
MIN	608	585	661	715	651	801	976	828	647	532	443	420
CFSM	.56	.63	.84	.74	.85	.96	1.16	.80	.66	.51	.42	.39
IN.	.65	.71	.97	.85	.92	1.11	1.29	.92	.74	.59	.48	.43
AC-FT	39150	42670	58390	51520	55570	67080	78070	55520	44730	35600	29120	26010

CAL YR 1979 TOTAL 638621 MEAN 1750 MAX 14600 MIN 585 CFSM 1.54 IN 20.95 AC-FT 1267000
WTR YR 1980 TOTAL 294134 MEAN 804 MAX 2700 MIN 420 CFSM .71 IN 9.65 AC-FT 583400

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°14'13", long 91°05'05", in NW 1/4 SE 1/4 sec.33, T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S Highway 62, 6.0 mi (10.0 km) west of Pocahontas.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1430	9827	9827	--	8.1	18.0	16.0	5	9.0	90
NOV 20...	1130	9827	9827	356	8.1	21.0	14.0	5	9.8	94
DEC 18...	1100	9827	9827	--	8.1	2.0	4.0	5	--	--
JAN 22...	1200	9827	9827	355	7.9	5.0	9.0	5	10.9	94
FEB 20...	1100	9827	9827	354	8.1	8.0	9.0	10	10.9	94
MAR 18...	1050	9827	9827	334	7.9	10.0	10.0	20	10.8	96
APR 15...	1100	9827	9827	--	8.0	14.0	11.0	5	10.8	97
MAY 20...	1145	9827	9827	358	8.1	24.0	19.0	15	8.8	86
JUN 17...	1130	9827	9827	358	8.1	20.0	21.0	15	8.4	93
JUL 15...	1330	9827	9827	--	8.1	40.0	28.0	30	8.8	111
AUG 12...	1310	9827	9827	--	8.3	39.0	27.0	5	8.2	101
SEP 16...	1245	9827	9827	394	8.2	36.0	24.0	--	8.4	99

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1430	.8	8	190	38	22	1.6	1.0	180	3.5	4.0
NOV 20...	1130	1.1	20	--	--	--	--	--	--	4.0	1.0
DEC 18...	1100	3.3	12	--	--	--	--	--	--	4.0	6.0
JAN 22...	1200	--	8	--	34	20	1.4	.9	190	4.5	6.0
FEB 20...	1100	1.8	24	--	--	--	--	--	--	4.0	--
MAR 18...	1050	--	180	--	--	--	--	--	--	4.5	3.0
APR 15...	1100	.8	12	130	36	11	1.3	1.0	170	2.5	4.0
MAY 20...	1145	--	40	--	--	--	--	--	--	2.0	2.0
JUN 17...	1130	1.7	44	--	--	--	--	--	--	--	1.0
JUL 15...	1330	2.2	52	--	42	25	2.0	1.0	210	6.5	--
AUG 12...	1310	1.4	>600	--	--	--	--	--	--	7.0	--
SEP 16...	1245	--	28	--	--	--	--	--	--	4.0	<1.0

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1430	207	3	.39	.010	.050	.030	<5	<10	<5
NOV 20...	1130	273	4	.34	<.010	.120	.100	--	--	--
DEC 18...	1100	214	1	.42	.010	.040	.030	--	--	--
JAN 22...	1200	201	3	--	.010	.050	<.010	--	<10	--
FEB 20...	1100	183	14	.51	.010	--	.040	--	--	--
MAR 18...	1050	201	14	.51	.010	--	.030	--	--	--
APR 15...	1100	178	5	.45	.010	.050	<.010	7	<10	<1
MAY 20...	1145	201	24	.45	.010	.050	.040	--	--	--
JUN 17...	1130	--	13	--	.010	.040	.030	--	--	--
JUL 15...	1330	184	--	--	.010	<.010	.220	--	<10	--
AUG 12...	1310	205	--	.30	<.010	.050	.080	--	--	--
SEP 16...	1245	222	14	.22	.050	--	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1430	20	150	<10	46	20	--	--	--	--	--
JAN 22...	1200	<20	100	<10	54	<10	.00	.00	.00	.00	.00
APR 15...	1100	<20	250	<10	36	<10	--	--	--	--	--
JUL 15...	1330	<20	--	<10	140	10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1200	.00	.00	.00	.00	0	.00

07072500 BLACK RIVER AT BLACK ROCK, AR

LOCATION.--Lat 36°06'15", long 91°05'50", in NW 1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank 900 ft (274 m) downsteam from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 mi (6.0 km) downstream from Spring River, and at mile 69.3 (109.8 km).

DRAINAGE AREA.--7,369 mi^2 (19,090 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft (69.970 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft (274 m) upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft (198 m) upstream at same datum.

REMARKS.--Records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi (304 km) upstream, capacity, 413,700 acre-ft (510 hm^3).

AVERAGE DISCHARGE.--43 years, 8,446 ft^3/s (239 m^3/s), 6,119,000 acre-ft/yr (7,540 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 109,000 ft^3/s (3,090 m^3/s) Mar. 29, 1977; maximum gage height, 29.24 ft (8.912 m) Apr. 24, 1973; minimum daily discharge, 1,730 ft^3/s (49.1 m^3/s) in September, October, and November 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft (9.72 m), from records of National Weather Service, discharge, 160,000 ft^3/s (4,530 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,500 ft^3/s (439 m^3/s) Mar. 31, gage height, 13.90 ft (4.237 m); minimum daily, 2,160 ft^3/s (61.2 m^3/s) Aug. 28 - Sept. 3, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3670	3340	5460	8720	4380	8060	15400	6430	6480	3190	2540	2160
2	3560	3270	5220	8360	4300	7890	15000	6250	6540	3170	2500	2160
3	3470	3240	5060	8090	4230	7710	14800	6080	6100	3140	2460	2160
4	3380	3210	4960	7900	4170	7550	14600	5890	5620	3120	2440	2170
5	3320	3200	4880	7670	4140	7390	14000	5700	5240	3110	2400	2210
6	3290	3160	4760	7480	4100	7160	13400	5520	4950	3080	2380	2210
7	3290	3130	4640	7310	4030	6870	12700	5320	4700	3020	2380	2220
8	3280	3160	4510	7150	4050	6530	14000	5140	4420	2970	2380	2230
9	3250	3610	4410	7000	4090	6210	14000	4970	4210	2920	2390	2210
10	3220	4490	4310	6860	4030	5870	13100	4820	4050	2880	2440	2190
11	3210	4440	4200	7590	3980	5550	12200	4690	3900	2840	2440	2170
12	3200	4530	4270	7820	3940	5390	11600	4600	3790	2810	2400	2180
13	3190	4600	5960	7560	3920	5360	11200	4650	3700	2770	2360	2190
14	3100	4330	6670	7200	3920	5240	11200	4600	3630	2760	2340	2180
15	3140	4040	6240	6810	4540	5110	11500	4540	3540	2740	2350	2170
16	3130	3820	5720	6640	8140	5200	11300	4760	3440	2720	2390	2160
17	3140	3670	5300	6530	10500	8820	10900	5200	3430	2700	2380	2180
18	3260	3560	5040	6410	10900	10000	10600	5190	3420	2680	2340	2210
19	3190	3500	4810	6270	11300	9380	10200	5130	3380	2660	2330	2200
20	3140	3490	4680	6080	11200	8920	9700	5130	3350	2640	2360	2210
21	3140	3580	4480	5840	10800	9160	9270	5130	3340	2630	2300	2200
22	3210	4210	4310	5620	10300	9340	8840	5070	3310	2620	2240	2190
23	3310	4910	4340	5430	9950	9400	8440	5300	3320	2610	2200	2210
24	3280	4920	9550	5260	9690	10400	8070	6290	3710	2590	2190	2250
25	3250	4850	14400	5120	9540	11100	7760	6460	3830	2560	2180	2260
26	3220	7580	13400	5000	9260	11200	7480	6610	3590	2550	2170	2240
27	3130	7420	12300	4870	8900	11000	7250	6400	3450	2540	2170	2210
28	3180	6660	11400	4740	8580	10800	7050	6150	3350	2560	2160	2210
29	3170	6220	10600	4620	8280	10900	6840	5800	3280	2580	2160	2200
30	3170	5800	9780	4530	---	13100	6620	5540	3220	2580	2160	2190
31	3270	---	9200	4460	---	15300	---	5680	---	2560	2160	---
TOTAL	100760	129940	204860	200940	199160	261910	329020	169040	122290	86300	72090	65930
MEAN	3250	4331	6608	6482	6868	8449	10970	5453	4076	2784	2325	2198
MAX	3670	7580	14400	8720	11300	15300	15400	6610	6540	3190	2540	2260
MIN	3100	3130	4200	4460	3920	5110	6620	4540	3220	2540	2160	2160
AC-FT	199900	257700	406300	398600	395000	519500	652600	335300	242600	171200	143000	130800

CAL YR 1979 TOTAL 4965060 MEAN 13600 MAX 61900 MIN 3100 AC-FT 9848000
WTR YR 1980 TOTAL 1942240 MEAN 5307 MAX 15400 MIN 2160 AC-FT 3852000

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
25...	1315	1028	1028	3220	352	7.7	--	15.0	3.3	9.2
29...	1530	1028	--	3330	--	--	21.0	15.5	--	--
DEC										
06...	1200	1028	1028	4750	320	8.1	--	7.0	6.7	11.5
12...	1318	1028	--	4300	--	--	2.5	7.5	--	--
JAN										
15...	1100	1028	1028	6870	282	8.1	--	5.5	25	11.4
22...	1340	1028	--	5540	--	--	11.0	8.0	--	--
FEB										
07...	1010	1028	1028	4040	324	8.2	--	3.0	3.0	12.9
19...	1415	80513	80020	--	311	8.1	--	10.0	3.8	10.0
MAR										
05...	1115	1028	--	7600	--	--	9.0	6.0	--	--
05...	1315	1028	1028	7390	292	8.1	--	5.5	9.9	11.1
APR										
16...	1245	1028	--	10800	--	--	16.0	10.0	--	--
30...	1230	1028	1028	6630	320	8.2	--	15.0	19	9.0
MAY										
29...	1120	1028	--	5990	--	--	30.0	23.5	--	--
JUN										
24...	1545	1028	1028	4010	352	8.3	--	26.0	13	7.7
JUL										
08...	1445	1028	--	3060	--	--	36.0	31.5	--	--
AUG										
05...	1330	1028	1028	2400	351	8.3	--	28.5	5.0	8.3
20...	1130	1028	--	2350	--	--	34.0	26.0	--	--

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT										
25...	94	4.3	K17	K32	170	0	35	21	2.1	5
DEC										
06...	94	--	K20	K48	180	9	37	21	2.2	5
JAN										
15...	110	.6	70	460	140	1	30	16	2.0	3
FEB										
07...	96	5.0	5	<4	190	15	38	22	2.2	3
19...	88	--	--	--	160	8	32	19	2.6	3
MAR										
05...	--	--	--	--	--	--	--	--	--	--
05...	88	2.1	10	<1	150	15	30	17	2.5	4
APR										
30...	113	1.9	19	3	160	7	33	18	2.1	3
JUN										
24...	94	3.6	--	K520	190	0	40	23	2.4	3
AUG										
05...	91	106	K34	60	190	5	38	22	2.4	3

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 25...	1315	1	0	1	200	200	40	1	0	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT 25...	0	0	0	0	<3	0	0	0	230	<10

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 25...	4	4	0	60	40	20	.2	.2	.0

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 25...	0	0	0	0	0	0	10	2	8

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)
OCT 25...	1315	.00	1	.00	.0	.0	0	.00	.2	.00	.3	.00

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39373)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39571)	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39399)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)
OCT 25...	.0	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39531)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA-THION, TOTAL (UG/L) (39600)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI-THION, TOTAL (UG/L) (39790)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)
OCT 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39541)	PER-THANE TOTAL (UG/L) (39034)	TOX-APHENE, TOTAL (UG/L) (39400)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 25...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

07073500 PINEY FORK AT EVENING SHADE, AR

LOCATION.--Lat 36°04'50", long 91°36'39", in SE 1/4 NE 1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft (6 m) upstream from bridge on U.S. Highway 167, 0.8 mi (1.3 km) north of Evening Shade, and at mile 5.8 (9.3 km).

DRAINAGE AREA.--99.2 mi^2 (256.9 km^2).

PERIOD OF RECORD.--February 1939 to current year. Prior to October 1962, published as "Piney Fork Strawberry River at Evening Shade."

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

GAGE.--Water-stage recorder. Datum of gage is 420.62 ft (128.205 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 5, 1945, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 91.4 ft^3/s (2.59 m^3/s), 12.51 in/yr (318 mm/yr), 66,220 acre-ft/yr (81.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft^3/s (496 m^3/s) Jan. 24, 1949, gage height, 23.42 ft (7.138 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,060 ft^3/s (115 m^3/s) Sept. 3 at 2245 hours, gage height, 12.02 ft (3.664 m), no other peak above base of 2,000 ft^3/s (57 m^3/s); minimum, 0.28 ft^3/s (0.008 m^3/s) Sept. 2, gage height, 2.91 ft (0.887 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	57	23	39	23	29	99	39	23	5.7	1.9	.38
2	24	45	22	36	22	25	96	38	21	5.5	1.5	.34
3	23	41	21	37	22	22	96	36	19	5.0	1.6	530
4	21	38	20	37	21	22	88	35	17	4.6	2.2	542
5	18	38	19	34	21	24	76	33	17	4.1	1.7	34
6	16	35	19	33	21	25	71	31	16	3.9	1.5	18
7	14	36	19	35	21	24	68	30	15	3.9	1.3	13
8	11	43	18	34	23	24	86	29	14	3.5	1.2	10
9	8.8	65	17	32	22	23	78	27	13	2.9	1.2	8.6
10	8.3	64	16	32	23	22	68	26	12	2.8	1.4	7.2
11	8.3	67	16	38	22	21	64	25	12	2.7	1.2	7.0
12	8.0	60	19	38	21	25	71	28	11	2.7	1.0	6.5
13	7.4	55	27	35	22	27	71	32	10	2.4	1.0	6.4
14	6.3	53	39	35	21	25	155	28	9.7	2.0	1.0	5.6
15	5.4	50	35	34	30	23	154	24	9.1	2.0	1.0	5.4
16	4.9	49	31	35	86	25	121	36	8.8	2.0	1.0	4.7
17	5.1	48	29	36	62	52	105	41	9.1	1.8	1.0	7.3
18	8.5	49	26	34	56	69	100	32	10	2.4	.93	7.7
19	9.2	48	24	33	52	56	90	28	11	3.0	.89	5.7
20	8.1	50	25	32	49	54	81	25	12	2.7	.89	4.9
21	23	56	24	31	46	69	74	28	9.7	3.1	.89	4.9
22	39	67	24	30	42	63	68	35	9.4	4.2	.78	4.7
23	42	81	28	30	39	60	63	36	21	2.6	.75	6.4
24	22	79	233	29	36	129	59	45	16	2.7	.65	8.3
25	24	89	107	28	35	101	56	39	11	3.6	.61	7.1
26	32	107	74	28	32	88	53	32	9.7	2.7	.58	6.4
27	36	40	60	26	30	80	51	28	9.1	2.3	.54	5.3
28	41	30	51	25	30	80	48	25	7.9	1.9	.48	6.0
29	43	27	46	24	29	88	45	24	7.3	1.8	.44	6.7
30	41	24	45	24	---	139	42	22	5.9	2.0	.41	6.0
31	51	---	43	24	---	125	---	24	---	2.7	.34	---
TOTAL	635.3	1591	1200	998	959	1639	2397	961	376.7	95.2	31.88	1286.52
MEAN	20.5	53.0	38.7	32.2	33.1	52.9	79.9	31.0	12.6	3.07	1.03	42.9
MAX	51	107	233	39	86	139	155	45	23	5.7	2.2	542
MIN	4.9	24	16	24	21	21	42	22	5.9	1.8	.34	.34
CFSM	.21	.53	.39	.33	.33	.53	.81	.31	.13	.03	.01	.43
IN.	.24	.60	.45	.37	.36	.61	.90	.36	.14	.04	.01	.48
AC-FT	1260	3160	2380	1980	1900	3250	4750	1910	747	189	63	2550

CAL YR 1979	TOTAL	64605.30	MEAN	177	MAX	3870	MIN	4.9	CFSM	1.78	IN	24.23	AC-FT	128100
WTR YR 1980	TOTAL	12170.60	MEAN	33.3	MAX	542	MIN	.34	CFSM	.34	IN	4.56	AC-FT	24140

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, AR

LOCATION.--Lat 36°06'37", long 91°26'59", in SE 1/4 NW 1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on right bank on downstream side of bridge on State Highway 58, 0.5 mi (0.8 km) downstream from Hurricane Creek, 2.5 mi (4.0 km) northeast of Poughkeepsie, and at mile 35.9 (57.8 km).

DRAINAGE AREA.--473 mi^2 (1,225 km^2).

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 877: 1938. WSP 1211: 1938-39. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 298.07 ft (90.852 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 512 ft^3/s (14.5 m^3/s), 14.70 in/yr (373 mm/yr), 370,900 acre-ft/yr (457 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 52,000 ft^3/s (1,470 m^3/s) Jan. 24, 1949, gage height, 29.30 ft (8.931 m), from rating curve extended above 27,000 ft^3/s (765 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s (0.88 m^3/s) Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,490 ft^3/s (98.8 m^3/s) Dec. 24, gage height, 8.93 ft (2.722 m), no peak above base of 7,000 ft^3/s (198 m^3/s); minimum, 43 ft^3/s (1.21 m^3/s) Sept. 2, gage height, 1.27 ft (0.387 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	157	257	375	186	239	750	255	456	94	56	46
2	78	140	235	342	182	231	646	245	333	91	54	48
3	79	130	219	336	182	223	610	237	243	87	53	53
4	78	123	207	325	181	221	561	231	209	84	66	998
5	76	117	198	315	184	219	504	227	191	82	65	169
6	78	112	189	302	181	211	468	213	174	80	59	98
7	75	113	182	300	177	207	465	205	164	78	57	80
8	76	117	172	292	187	202	718	200	155	76	53	74
9	78	292	165	285	186	194	630	193	145	75	53	70
10	78	438	160	270	179	191	522	187	138	74	52	65
11	79	285	157	322	174	184	504	184	131	74	54	59
12	79	219	181	322	176	205	662	193	126	72	54	58
13	78	187	519	312	177	215	586	204	122	71	50	62
14	78	169	590	297	186	213	993	196	119	71	52	58
15	79	157	453	287	495	207	1070	186	114	70	53	54
16	79	145	372	292	1040	217	850	265	110	69	52	54
17	200	138	318	297	694	658	702	272	113	69	52	75
18	282	133	280	297	537	543	630	245	117	67	53	70
19	138	130	260	282	465	459	610	217	117	102	52	70
20	122	125	247	270	435	420	531	198	112	69	53	65
21	113	140	235	260	402	471	486	200	112	66	53	61
22	164	312	231	253	366	462	447	209	106	66	49	63
23	164	325	420	245	336	462	414	498	130	66	48	74
24	136	310	2850	237	310	818	387	375	130	65	48	82
25	119	471	1470	231	295	750	369	295	123	63	48	80
26	112	1050	838	223	275	610	348	247	120	61	52	75
27	106	626	642	215	262	540	327	219	110	61	50	70
28	107	417	528	207	255	549	305	202	105	61	46	72
29	103	322	468	202	245	570	287	189	100	59	49	72
30	102	287	438	200	---	989	270	179	96	57	49	72
31	160	---	414	193	---	921	---	209	---	54	48	---
TOTAL	3378	7687	13895	8586	8950	12601	16652	7175	4521	2234	1633	3047
MEAN	109	256	448	277	309	406	555	231	151	72.1	52.7	102
MAX	282	1050	2850	375	1040	989	1070	498	456	102	66	998
MIN	75	112	157	193	174	184	270	179	96	54	46	46
CFSM	.23	.54	.95	.59	.65	.86	1.17	.49	.32	.15	.11	.22
IN.	.27	.60	1.09	.68	.70	.99	1.31	.56	.36	.18	.13	.24
AC-FT	6700	15250	27560	17030	17750	24990	33030	14230	8970	4430	3240	6040

CAL YR 1979 TOTAL 305737 MEAN 838 MAX 12700 MIN 75 CFSM 1.77 IN 24.05 AC-FT 606400
WTR YR 1980 TOTAL 90359 MEAN 247 MAX 2850 MIN 46 CFSM .52 IN 7.11 AC-FT 179200

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR

LOCATION.--Lat 36°01'40", long 91°19'31", in NW 1/4 SE 1/4 sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi (3.2 km) upstream from Reeds Creek, and Cooper Creek, and 3.9 mi (6.3 km) southwest of Smithville.

DRAINAGE AREA.--539 mi^2 (1,396 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1330	9827	9827	--	8.1	20.0	18.0	10	8.0	84
NOV 20...	1245	9827	9827	376	8.2	21.0	14.5	10	10.1	98
DEC 18...	1215	9827	9827	--	8.0	2.0	3.0	30	--	--
JAN 22...	1300	9827	9827	392	8.1	5.0	8.0	5	11.5	97
FEB 20...	1200	9827	9827	344	8.1	10.0	6.0	25	12.0	96
MAR 18...	1245	9827	9827	332	8.0	13.0	10.0	40	10.9	96
APR 15...	1215	9827	9827	--	8.1	14.0	10.0	30	10.6	94
MAY 20...	1315	9827	9827	397	8.1	26.0	21.0	15	8.9	99
JUN 17...	1330	9827	9827	386	8.1	22.0	24.0	15	7.8	92
JUL 15...	1230	9827	9827	--	8.2	42.0	31.0	50	8.0	107
AUG 12...	1210	9827	9827	--	8.1	37.0	30.0	5	7.6	100
SEP 16...	1210	9827	9827	393	8.2	36.0	26.0	5	8.1	99

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1330	.8	250	200	41	23	1.9	2.0	200	7.0	5.0
NOV 20...	1245	1.3	24	--	--	--	--	--	--	5.0	4.0
DEC 18...	1215	2.8	11	--	--	--	--	--	--	5.5	10
JAN 22...	1300	--	4	--	38	22	2.4	1.0	210	5.0	7.0
FEB 20...	1200	1.0	4	--	--	--	--	--	--	4.5	--
MAR 18...	1245	1.5	220	--	--	--	--	--	--	5.0	4.0
APR 15...	1215	.9	>1000	130	36	9.9	2.1	2.0	170	4.0	7.0
MAY 20...	1315	1.4	<4	--	--	--	--	--	--	5.5	4.0
JUN 17...	1330	1.1	20	--	--	--	--	--	--	--	5.0
JUL 15...	1230	1.7	52	--	40	27	3.0	2.0	220	7.0	--
AUG 12...	1210	1.2	>240	--	--	--	--	--	--	5.5	--
SEP 16...	1210	--	140	--	--	--	--	--	--	6.0	1.0

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1330	225	9	.02	<.010	.050	.020	<5	<10	<5
NOV 20...	1245	229	12	.07	.010	.090	.030	--	<10	--
DEC 18...	1215	212	4	.26	<.010	.050	.020	--	<10	--
JAN 22...	1300	227	10	--	.010	.040	<.010	--	<10	--
FEB 20...	1200	190	4	.35	.020	--	.010	--	<10	--
MAR 18...	1245	141	22	.17	.030	--	.030	--	<10	--
APR 15...	1215	185	6	.20	.010	.010	.050	6	<10	5
MAY 20...	1315	229	25	.20	.010	.180	.010	--	<10	--
JUN 17...	1330	--	7	--	<.010	.040	.070	--	<10	--
JUL 15...	1230	237	--	--	.010	.070	.070	--	<10	--
AUG 12...	1210	211	9	.01	<.010	.080	.020	--	--	--
SEP 16...	1210	215	31	.09	.060	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1330	40	240	<10	96	50	--	--	--	--	--
NOV 20...	1245	40	320	--	120	<10	--	--	--	--	--
DEC 18...	1215	<20	1700	--	300	40	--	--	--	--	--
JAN 22...	1300	30	250	30	170	50	.00	.00	.00	.00	.00
FEB 20...	1200	130	910	--	200	180	--	--	--	--	--
MAR 18...	1245	30	1200	--	210	50	--	--	--	--	--
APR 15...	1215	40	1200	10	270	50	--	--	--	--	--
MAY 20...	1315	50	500	--	110	80	--	--	--	--	--
JUN 17...	1330	30	170	--	140	30	--	--	--	--	--
JUL 15...	1230	20	--	50	200	40	--	--	--	--	--
SEP 16...	1210	30	290	--	140	30	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1300	.00	.00	.00	.00	0	.00

07074490 BLACK RIVER AT JACKSONPORT, AR

LOCATION.--Lat 35°38'30", long 91°19'24", in SW 1/4 SW 1/4 sec.28, T.12 N., R.3 W., Jackson County, Hydrologic Unit 11010009, at Point Ferry on State Highway 69, 600 ft (183 m) upstream from mouth, and 0.7 mi (1.1 km) west of Jacksonport.

DRAINAGE AREA.--8,557 mi^2 (22,163 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBR 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1230	9827	9827	--	8.2	11.0	13.0	0	9.3	88
NOV 20...	1400	9827	9827	335	8.1	22.0	14.0	10	10.4	100
DEC 18...	1330	9827	9827	--	7.9	4.0	4.0	45	--	--
JAN 22...	1415	9827	9827	301	7.9	7.0	8.0	30	10.5	88
FEB 20...	1300	9827	9827	254	8.0	10.0	6.0	30	12.0	96
MAR 18...	1400	9827	9827	258	7.9	14.0	11.0	120	10.2	92
APR 15...	1530	9827	9827	--	8.0	19.0	14.0	30	9.5	91
MAY 20...	1430	9827	9827	342	8.1	25.0	22.0	10	9.0	102
JUN 17...	1445	9827	9827	343	8.2	22.0	25.0	15	9.1	108
JUL 15...	1130	9827	9827	--	8.4	37.0	31.0	40	8.5	115
AUG 12...	1115	9827	9827	--	8.4	34.0	30.0	5	8.3	109
SEP 16...	1100	9827	9827	364	8.5	31.0	27.0	--	9.4	116

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1230	1.3	24	170	36	20	3.3	1.0	170	7.5	4.0
NOV 20...	1400	1.3	8	--	--	--	--	--	--	6.5	2.0
DEC 18...	1330	2.6	<4	--	--	--	--	--	--	5.5	9.0
JAN 22...	1415	--	<4	--	27	16	2.7	1.0	150	--	7.0
FEB 20...	1300	1.5	12	--	--	--	--	--	--	4.5	--
MAR 18...	1400	2.1	--	--	--	--	--	--	--	4.5	3.0
APR 15...	1530	2.4	300	110	28	7.9	1.9	1.0	130	4.0	6.0
MAY 20...	1430	5.0	<4	--	--	--	--	--	--	6.5	3.0
JUN 17...	1445	2.4	16	--	--	--	--	--	--	--	5.0
JUL 15...	1130	5.8	4	--	37	23	5.0	1.0	200	11	--
AUG 12...	1115	4.0	--	--	--	--	--	--	--	7.5	--
SEP 16...	1100	--	4	--	--	--	--	--	--	9.0	<1.0

07074490 BLACK RIVER AT JACKSONPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1230	181	12	.16	<.010	.040	.010	<5	<10	<5
NOV 20...	1400	199	56	.19	<.010	.090	.050	--	<10	--
DEC 18...	1330	183	26	.24	.010	.080	.060	--	<10	--
JAN 22...	1415	182	26	--	.010	.040	.010	--	<10	--
FEB 20...	1300	150	57	.40	.010	--	.010	--	<10	--
MAR 18...	1400	183	28	.36	.040	--	.190	--	<10	--
APR 15...	1530	149	9	.20	<.010	.010	.070	<1	<10	5
MAY 20...	1430	--	58	.24	.010	.020	.110	--	<10	--
JUN 17...	1445	--	64	--	.010	.020	.080	--	<10	--
JUL 15...	1130	208	--	--	.010	.010	.080	--	<10	--
AUG 12...	1115	193	11	<.01	<.010	.090	.060	--	--	--
SEP 16...	1100	193	43	<.01	.060	--	--	--	10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1230	70	260	<10	120	50	--	--	--	--	--
NOV 20...	1400	20	1400	--	270	30	--	--	--	--	--
DEC 18...	1330	<20	230	--	22	<10	--	--	--	--	--
JAN 22...	1415	<20	1600	<10	140	<10	.00	.00	.00	.00	.00
FEB 20...	1300	<20	1700	--	91	<10	--	--	--	--	--
MAR 18...	1400	<20	4800	--	470	30	--	--	--	--	--
APR 15...	1530	<20	1600	<10	260	<10	--	--	--	--	--
MAY 20...	1430	<20	1300	--	140	<10	--	--	--	--	--
JUN 17...	1445	<20	600	--	140	<10	--	--	--	--	--
JUL 15...	1130	<20	--	20	190	10	--	--	--	--	--
SEP 16...	1100	<20	380	--	180	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1415	.00	.00	.00	.00	0	.00

07074500 WHITE RIVER AT NEWPORT, AR

LOCATION.--Lat 35°36'18", long 91°17'19", in NE 1/4 NE 1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft (30 m) below bridge on U.S. Highway 67 at Newport, 7.2 mi (11.6 km) downstream from Black River, and at mile 257.6 (414.5 km).

DRAINAGE AREA.--19,860 mi^2 (51,440 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft (59.159 m) National Geodetic Vertical Datum of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi (4.5 km) downstream at datum 2.30 ft (0.701 m) lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--Records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft (2.45 km^3), since 1948 by Clearwater Lake (Missouri), capacity 413,700 acre-ft (510 hm^3), since July 24, 1951, by Bull Shoals Lake, 149 mi (240 km) upstream, capacity 5,408,000 acre-ft (6.67 km^3), since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft (4.40 km^3), and since Dec. 26, 1963, by Beaver Lake, capacity 1,951,500 acre-ft (2.41 km^3).

AVERAGE DISCHARGE.--47 years, 22,680 ft^3/s (642 m^3/s), 16,430,000 acre-ft/yr (20,300 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft^3/s (9,610 m^3/s) Apr. 17, 1945; maximum gage height observed, 35.9 ft (10.94 m) Apr. 18, 1945; minimum discharge, 2,870 ft^3/s (81.3 m^3/s) Sept. 27-30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft (10.85 m), from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,800 ft^3/s (872 m^3/s) Dec. 26, gage height, 14.57 ft (4.441 m) minimum daily, 4,070 ft^3/s (115 m^3/s) Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14500	17300	12000	17900	11200	15300	24600	17500	12500	13600	11600	5900
2	13500	18100	11900	17400	15700	17100	25500	17400	13600	12400	11700	5080
3	14400	15800	10800	16200	15000	17300	25200	15800	16300	15300	10800	5050
4	14600	13600	9420	17600	12000	17000	24400	17800	20900	13000	9330	5370
5	14600	11700	12200	18300	9860	19100	23400	20800	17700	11000	6270	5510
6	15300	10200	12600	18200	10800	20300	22600	16700	16400	12300	5750	7750
7	14900	11200	10800	16900	10700	20600	21800	13700	18500	11200	6590	8580
8	12800	15100	9510	16300	10700	20400	21400	12900	18500	10900	8090	9050
9	11200	17300	9020	19100	11300	19500	22800	12800	16900	12300	11400	8980
10	14000	16700	9160	17100	11800	15900	23800	13100	13600	13500	10900	10400
11	15700	16300	9260	19200	11300	13100	23200	13200	10700	14300	10300	10000
12	15300	13600	9100	20900	10100	13300	24700	12200	8860	15000	8650	6560
13	13300	11700	10400	20100	9820	15700	23600	12100	8640	15100	10900	6640
14	10300	14900	14600	18600	12000	17700	24000	14100	8610	15000	11200	7230
15	8390	16000	13800	17000	12600	17300	24800	15400	9260	14100	9660	6450
16	6720	14200	12000	15800	12100	14600	27100	19400	12100	16400	7850	5390
17	9290	14300	11300	14700	14100	14300	24500	20900	11400	15300	7970	5040
18	15100	12700	10600	15500	15700	17600	22600	21000	10400	14700	7600	5420
19	19100	10200	17000	15700	17300	20800	21500	22300	8680	12800	7060	5250
20	19600	7770	16700	14700	22800	21500	20800	18700	10300	12600	7270	4740
21	19700	7300	14300	14000	20600	19900	19200	17500	13600	10700	8200	4940
22	20100	8340	11900	13400	18200	19200	17500	17100	12200	8770	8660	5350
23	20700	8550	10400	12200	16100	18800	19100	18300	10100	7150	7500	5310
24	21700	9100	14100	12100	15100	17700	19100	19900	10200	5560	5940	6420
25	20700	8970	25600	11800	14200	18000	17800	19900	11800	6390	5510	5680
26	16700	10500	30500	10800	13600	19200	17900	18600	13000	6540	5620	5020
27	14200	13000	29100	10200	14800	20600	17900	18000	15100	5910	5540	4540
28	12200	13100	26700	9590	16400	21400	17200	16300	16900	7090	4940	4400
29	9510	12600	25000	8730	15500	21300	15500	15700	17700	6000	5820	4280
30	8140	11800	24700	10400	---	21500	15700	15500	17600	6060	4770	4070
31	11100	---	20800	11300	---	22700	---	14100	---	7930	5000	---
TOTAL	447350	381930	465270	471720	401380	568700	649200	518700	402050	348900	248390	184400
MEAN	14430	12730	15010	15220	13840	18350	21640	16730	13400	11250	8013	6147
MAX	21700	18100	30500	20900	22800	22700	27100	22300	20900	16400	11700	10400
MIN	6720	7300	9020	8730	9820	13100	15500	12100	8610	5560	4770	4070
AC-FT	887300	757600	922900	935700	796100	1128000	1288000	1029000	797500	692000	492700	365800

CAL YR 1979 TOTAL 11885000 MEAN 32560 MAX 122000 MIN 6720 AC-FT 23570000
WTR YR 1980 TOTAL 5087990 MEAN 13900 MAX 30500 MIN 4070 AC-FT 10090000

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January 1978 to August 1978, November 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1961, November 1978 to current year.
WATER TEMPERATURES: October 1945 to September 1961, November 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 695 micromhos Jan. 30, 1954; minimum daily, 72 micromhos Jan. 1, 1979.
WATER TEMPERATURES: Maximum daily, 30.5°C Aug. 4, 9, 1947, Aug. 1, 1952; minimum daily, 0.5°C Feb. 1, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 353 micromhos Aug. 31; minimum daily, 205 micromhos Dec. 27.
WATER TEMPERATURES: Maximum daily, 28.0°C Jul. 25; minimum daily, 0.5°C Feb. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV												
01...	1330	1028	1028	18100	284	8.1	15.5	7.0	9.5	95	K760	410
27...	1300	1028	1028	12800	274	8.0	9.0	57	10.7	92	K3200	K5700
DEC												
13...	1420	1028	--	10300	--	--	7.5	--	--	--	--	--
27...	1330	1028	1028	29000	207	8.0	8.0	93	10.8	91	800	4100
JAN												
17...	1400	1028	1028	14500	284	7.9	7.0	21	11.5	94	230	--
FEB												
06...	1230	1028	--	11100	--	--	4.0	--	--	--	--	--
MAR												
05...	1045	1028	1028	19000	279	8.1	5.0	12	12.2	95	K20	<4
05...	1510	1028	--	19100	--	--	7.5	--	--	--	--	--
APR												
17...	1245	1028	--	22200	--	--	12.0	--	--	--	--	--
24...	1030	1028	1028	19200	275	8.0	20.0	16	8.5	92	--	140
MAY												
28...	1230	1028	1028	16200	269	8.2	23.0	23	7.1	82	--	63
29...	1520	1028	--	16500	--	--	23.5	--	--	--	--	--
JUN												
16...	1200	1028	1028	13000	324	8.3	23.0	16	8.7	100	K60	89
JUL												
10...	1045	1028	1028	14100	305	8.3	23.0	10	9.0	103	K110	120
10...	1445	1028	--	15900	--	--	24.0	--	--	--	--	--
AUG												
01...	1045	1028	1028	11900	308	8.3	26.0	10	8.3	101	K140	120
28...	1445	1028	80010	4860	345	8.2	26.5	6.5	7.8	95	<3	<4
SEP												
26...	1145	1028	1028	4820	329	8.3	21.5	9.2	8.2	92	K33	96

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV											
01...	140	9	36	12	2.7	4	.1	1.5	130	11	4.4
27...	150	6	32	16	2.5	6	.1	1.7	140	7.4	3.3
DEC											
27...	93	0	23	8.7	1.3	5	.1	1.7	94	4.3	2.5
JAN											
17...	150	8	33	16	2.5	4	.1	1.3	140	6.0	3.7
MAR											
05...	--	--	--	--	--	--	--	--	160	6.2	3.6
05...	--	--	--	--	--	--	--	--	--	--	--
APR											
24...	150	15	35	14	2.4	3	.1	1.2	130	7.8	2.8
MAY											
28...	140	8	34	13	2.3	3	.1	1.2	130	8.1	3.0
JUN											
16...	160	10	36	17	2.7	4	.1	1.4	150	7.0	4.6
JUL											
10...	150	4	37	15	2.5	3	.1	1.4	150	6.0	6.0
10...	--	--	--	--	--	--	--	--	--	--	--
AUG											
01...	170	7	37	18	2.5	3	.1	1.5	160	3.7	3.4
28...	170	3	38	19	3.6	4	.1	1.2	170	2.9	5.2
SEP											
26...	170	1	37	19	3.2	4	.1	1.4	170	4.9	5.1

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
NOV											
01...	.1	5.3	159	152	.22	7770	.36	.040	.49	.53	.03
27...	.1	6.6	157	155	.21	5430	.26	.020	1.1	1.1	.80
DEC											
27...	.1	6.1	124	106	.17	9710	.39	.020	.84	.86	.34
JAN											
17...	.1	6.3	159	154	.22	6230	.26	.020	.75	.77	.01
MAR											
05...	.1	--	--	--	--	--	.19	.020	.40	.42	.06
05...	--	--	--	--	--	--	--	--	--	--	--
APR											
24...	.1	4.9	143	147	.19	7410	.09	.000	.66	.66	.22
MAY											
28...	.1	6.8	150	148	.20	6560	.21	.030	.97	1.0	.68
JUN											
16...	.0	4.2	167	163	.23	5860	.05	.000	.70	.70	.22
JUL											
10...	.2	3.5	168	162	.23	6400	.10	.030	.56	.59	.16
10...	--	--	--	--	--	--	--	--	--	--	--
AUG											
01...	.0	3.9	172	167	.23	5530	.17	.010	.99	1.0	.00
28...	.1	6.8	190	179	.26	2490	.04	.040	.40	.44	.12
SEP											
26...	.1	7.3	195	181	.27	2540	.41	.010	.40	.41	.05

DATE	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV											
01...	.50	.89	3.9	.020	.010	5.7	5.6	.1	41	2000	81
27...	.30	1.4	6.0	.120	.010	9.9	--	--	163	5630	93
DEC											
27...	.52	1.3	5.5	.130	.020	11	--	--	122	9550	94
JAN											
17...	.76	1.0	4.6	.050	.010	--	3.5	--	20	783	96
MAR											
05...	.36	.61	2.7	.040	.010	2.7	--	--	95	4870	49
05...	--	--	--	--	--	--	--	--	--	--	--
APR											
24...	.44	.75	3.3	.150	.070	--	5.2	.8	70	3630	81
MAY											
28...	.32	1.2	5.4	.060	.030	4.9	--	--	60	2620	90
JUN											
16...	.48	.75	3.3	.050	.010	15	--	--	75	2630	62
JUL											
10...	.43	.69	3.1	.120	.030	--	11	--	34	1290	87
10...	--	--	--	--	--	--	--	--	--	--	--
AUG											
01...	1.1	1.2	5.2	.020	.000	4.5	--	--	64	2060	81
28...	.32	.48	2.1	.040	.070	4.2	--	--	23	302	71
SEP											
26...	.36	.82	3.6	.140	.040	3.7	--	--	30	390	83

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
NOV										
01...	1330	0	0	200	200	40	0	0	<1	0
27...	1300	--	--	--	--	--	--	--	--	--
JAN										
17...	1400	1	0	100	60	40	0	0	2	0
MAR										
05...	1045	--	--	--	--	--	--	--	--	--
APR										
24...	1030	0	0	100	60	40	0	--	<1	0
JUN										
16...	1200	--	--	--	--	--	--	--	--	--
JUL										
10...	1045	1	1	0	0	40	0	--	<1	0
AUG										
28...	1445	--	--	--	--	--	--	--	--	--

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
NOV										
01...	0	0	0	0	<3	3	3	0	440	250
JAN										
17...	0	0	2	0	<3	9	9	0	780	770
APR										
24...	0	0	0	--	<3	11	7	4	870	850
JUL										
10...	0	10	1	--	<3	3	2	1	610	--

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV										
01...	190	6	6	0	120	60	60	.0	.0	.0
JAN										
17...	<10	13	13	0	60	50	10	.0	.0	.0
APR										
24...	20	9	6	3	120	120	3	.1	.1	.0
JUL										
10...	<10	4	4	0	80	80	2	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV									
01...	0	0	0	0	0	0	40	30	10
27...	--	--	--	0	--	--	--	--	--
JAN									
17...	0	0	0	0	0	0	10	6	4
MAR									
05...	--	--	--	0	--	--	--	--	--
APR									
24...	0	0	0	0	0	0	30	20	10
JUN									
16...	--	--	--	0	--	--	--	--	--
JUL									
10...	0	0	0	0	0	0	30	20	8
AUG									
28...	--	--	--	1	--	--	--	--	--

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	281	310	268	325	276	240	300	308	315	321	321
2	302	283	318	269	308	279	243	301	316	308	316	334
3	302	---	310	269	306	287	248	299	310	313	312	342
4	308	---	320	277	315	280	251	309	296	311	313	335
5	307	310	313	281	323	279	244	293	296	304	330	336
6	---	318	311	283	327	288	246	302	293	314	340	310
7	---	300	310	283	320	285	246	307	300	311	324	309
8	315	301	314	286	326	289	245	312	297	315	330	322
9	324	295	318	289	321	292	245	313	310	307	313	319
10	304	---	319	286	321	294	233	312	315	305	319	320
11	300	---	318	279	324	295	240	312	321	312	311	321
12	301	---	323	276	329	298	248	315	331	291	324	324
13	---	---	312	278	331	306	256	311	333	296	323	315
14	---	---	300	280	321	300	252	302	319	311	324	333
15	340	298	300	286	322	295	250	305	331	318	307	332
16	338	305	291	290	319	303	259	303	332	304	324	340
17	337	---	289	295	316	299	267	292	326	306	328	338
18	315	---	293	298	---	223	266	294	312	300	330	342
19	290	323	293	298	274	227	269	291	318	310	334	334
20	---	341	291	293	290	252	261	281	330	312	332	338
21	---	307	300	301	274	254	274	273	289	322	324	342
22	280	---	316	301	272	262	278	278	275	326	320	335
23	281	---	308	306	270	267	280	284	268	337	325	329
24	306	---	218	312	272	264	279	271	269	345	326	316
25	308	---	217	313	272	260	286	264	245	334	336	331
26	307	312	219	318	272	258	290	268	290	345	330	341
27	---	293	205	321	276	260	287	280	295	345	334	343
28	---	292	224	323	282	266	298	271	307	338	348	344
29	329	304	249	330	280	260	301	285	302	335	336	342
30	329	---	266	326	---	255	302	265	303	346	352	344
31	284	---	264	319	---	250	---	305	---	321	353	---
MEAN	309	304	288	295	303	274	263	293	305	318	327	331

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	15.0	6.0	7.0	.5	8.0	10.5	16.0	21.0	22.5	26.0	25.0
2	19.5	14.5	6.0	7.0	2.0	8.0	13.0	16.0	23.0	23.0	25.5	25.0
3	19.0	---	5.0	---	2.0	7.0	13.0	16.5	23.0	23.5	23.0	25.0
4	17.5	---	5.5	6.0	2.0	6.0	12.0	15.0	21.5	25.0	23.0	25.0
5	17.0	13.0	5.0	6.5	3.0	4.0	12.5	14.5	20.5	24.0	24.0	25.0
6	---	13.0	6.0	6.5	2.0	3.0	13.5	17.5	21.5	25.5	24.0	25.0
7	---	12.5	7.0	6.0	2.0	5.0	13.5	17.0	21.5	24.5	25.0	25.0
8	17.5	12.0	7.0	4.0	2.0	5.0	15.0	16.5	21.5	25.0	26.0	23.0
9	17.0	12.0	7.0	3.0	2.0	5.5	14.0	17.0	20.5	24.5	24.5	22.0
10	15.5	---	7.0	4.0	2.0	5.0	14.5	17.5	21.0	23.5	23.5	21.0
11	15.5	---	7.5	7.5	1.0	10.0	15.0	18.5	21.0	22.0	23.0	20.0
12	15.5	---	7.0	6.0	1.0	9.5	14.5	19.5	21.5	22.0	24.0	21.0
13	---	---	6.0	5.0	1.0	10.0	12.5	18.5	21.5	23.0	24.5	24.0
14	---	---	6.0	4.5	4.0	9.0	12.0	19.0	23.5	22.0	23.0	24.0
15	15.5	10.5	6.0	5.0	6.0	9.0	9.5	19.0	23.5	23.0	22.0	23.0
16	15.5	10.5	6.0	7.0	4.0	9.0	10.5	16.0	23.0	22.5	24.5	23.5
17	16.0	---	5.0	7.0	4.0	7.0	11.5	18.0	22.5	22.5	25.0	22.5
18	16.5	---	3.0	8.0	---	8.5	11.5	18.0	20.5	24.0	24.5	20.5
19	16.0	12.0	3.0	8.0	5.5	8.0	15.0	16.0	21.5	24.5	25.0	23.0
20	---	13.0	4.0	8.0	4.5	8.0	15.5	17.0	21.0	24.0	25.0	23.0
21	---	13.0	6.0	8.0	6.0	9.0	15.0	18.0	21.0	24.5	26.0	23.5
22	17.5	---	6.5	7.0	6.0	9.0	14.0	18.0	22.0	26.0	24.5	23.0
23	16.0	---	7.0	6.0	7.5	10.0	14.5	17.0	22.0	27.0	27.0	22.5
24	15.5	---	7.5	6.0	8.0	10.0	15.0	18.5	23.0	26.0	25.5	21.5
25	16.0	---	7.5	6.0	8.0	10.0	16.0	19.0	23.0	28.0	25.0	22.0
26	16.0	9.5	8.0	6.0	6.0	9.0	17.0	20.0	23.5	27.5	24.5	21.0
27	---	9.0	7.5	5.5	6.0	10.0	19.0	20.0	24.0	27.0	25.0	20.0
28	---	8.0	6.5	5.0	8.0	10.0	18.0	21.0	22.0	25.5	25.0	19.0
29	15.5	7.0	6.0	4.0	5.5	10.0	17.0	22.0	22.0	25.5	23.0	19.0
30	15.5	---	6.0	3.0	---	10.0	16.0	22.0	20.5	25.5	25.0	19.5
31	15.0	---	6.0	1.0	---	10.0	---	21.0	---	26.0	25.0	---
MEAN	16.5	11.5	6.0	6.0	4.0	8.0	14.0	18.0	22.0	24.5	24.5	22.5

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 27,79	MAY 28,80	JUN 16,80	JUL 10,80	AUG 28,80
TIME	1300	1230	1200	1045	1445
TOTAL CELLS/ML	950	2400	8200	13000	47000
DIVERSITY: DIVISION	0.6	1.0	1.4	1.5	1.5
.CLASS	0.6	1.0	1.4	1.5	1.5
..ORDER	1.3	1.4	1.9	1.9	1.9
...FAMILY	1.9	1.7	2.1	2.7	2.1
....GENUS	2.1	2.4	3.1	2.8	2.8

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...COELASTRACEAE										
....COELASTRUM	--	-	--	-	--	-	330	2	--	-
...MICRACTINIACEAE										
....GOLENKINIA	--	-	--	-	50	1	--	-	*	0
....MICRACTINIUM	--	-	--	-	--	-	200	2	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	15	2	77	3	50	1	*	0	300	1
....CHLORELLA	--	-	26	1	100	1	--	-	--	-
....CHODATELLA	--	-	--	-	--	-	--	-	300	1
....DICTYOSPHAERIUM	--	-	--	-	--	-	82	1	760	2
....OOCYSTIS	--	-	--	-	250	3	330	2	--	-
....SELENASTRUM	--	-	13	1	--	-	--	-	*	0
....WESTELLA	--	-	--	-	--	-	--	-	610	1
...SCENEDESMACEAE										
....ACTINASTRUM	--	-	--	-	400	5	330	2	22000#	47
....SCENEDESMUS	--	-	150	6	300	4	530	4	300	1
....TETRASTRUM	--	-	51	2	--	-	--	-	1200	3
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	51	2	250	3	--	-	*	0
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	10	1	500#	21	2400#	29	2500#	19	5000	11
....MELOSIRA	610#	63	1200#	48	2000#	24	82	1	1400	3
..PENNALES										
...ACHNANTHACEAE										
....ACHNANTHES	--	-	--	-	--	-	*	0	--	-
...CYMBELLACEAE										
....CYMBELLA	20	2	--	-	--	-	--	-	--	-
...DIATOMACEAE										
....DIATOMA	30	3	--	-	--	-	82	1	--	-
...FRAGILARIACEAE										
....FRAGILARIA	5	1	51	2	--	-	--	-	--	-
....SYNEDRA	35	4	--	-	50	1	--	-	--	-
...GOMPHONEMATACEAE										
....GOMPHONEMA	15	2	--	-	--	-	*	0	--	-
...NAVICULACEAE										
....NAVICULA	45	5	26	1	50	1	*	0	--	-
....PLEUROSIGMA	15	2	--	-	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	66	7	100	4	450	6	1400	11	2400	5
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOCHRYSIDACEAE										
....CHROOMONAS	--	-	--	-	--	-	120	1	--	-
...CRYPTOMONADACEAE										
....CRYPTOMONAS	--	-	--	-	100	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	210	8	--	-	--	-	2400	5
....ANACYSTIS	--	-	--	-	750	9	--	-	4000	8
....COCCOCHLORIS	--	-	--	-	250	3	330	2	--	-
....GOMPHOSPHAERIA	--	-	--	-	800	10	--	-	1500	3
..HORMOGONALES										
...NOSTOCACEAE										
....APHANIZOMENON	--	-	--	-	--	-	1700	13	--	-
...OSCILLATORIACEAE										
....OSCILLATORIA	--	-	--	-	--	-	4900#	38	4300	9
....SCHIZOTHRIX	91	10	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70958)
NOV				
01...	1.26	1.18	.210	.000

07074850 WHITE RIVER NEAR AUGUSTA, AR

LOCATION.--Lat 35°17'20", long 91°23'40", (revised) in sec.27, T.8 N., R.4 W., Woodruff County, Hydrologic Unit 11010013, at bridge on U.S. Highway 64, 2.0 mi (3.2 km) west of Augusta.

DRAINAGE AREA.--20,464 mi^2 (53,002 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24...	0700	9827	9827	--	8.1	7.0	16.0	5	9.1	91
NOV 20...	1515	9827	9827	293	8.2	23.0	14.0	5	10.0	96
DEC 18...	1430	9827	9827	--	7.9	5.0	5.0	30	--	--
JAN 22...	1515	9827	9827	279	7.9	10.0	9.0	40	10.7	92
FEB 20...	1400	9827	9827	276	8.1	9.0	6.0	40	9.5	84
MAR 18...	1515	9827	9827	284	8.0	16.0	11.0	30	10.9	98
APR 15...	1645	9827	9827	--	7.9	21.0	14.0	40	9.4	90
MAY 20...	1545	9827	9827	285	8.1	28.0	18.0	15	9.8	103
JUN 17...	1545	9827	9827	324	8.2	22.0	25.0	10	9.6	114
JUL 16...	0730	9827	9827	--	8.3	29.0	24.0	30	9.4	110
AUG 12...	0715	9827	9827	--	8.4	28.0	26.0	5	9.0	110
SEP 16...	0830	9827	9827	336	8.5	22.0	27.0	--	9.6	119

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 24...	0700	.3	23	140	34	14	2.7	1.0	--	7.0	6.0
NOV 20...	1515	1.6	<4	--	--	--	--	--	--	6.5	3.0
DEC 18...	1430	4.0	<4	--	--	--	--	--	--	6.0	9.0
JAN 22...	1515	--	<4	--	29	15	2.4	2.0	150	5.5	7.0
FEB 20...	1400	2.6	<4	--	--	--	--	--	--	4.5	--
MAR 18...	1515	2.4	<4	--	--	--	--	--	--	6.0	3.0
APR 15...	1645	3.5	60	130	29	13	1.9	2.0	120	4.0	7.0
MAY 20...	1545	--	20	--	--	--	--	--	--	5.0	5.0
JUN 17...	1545	3.5	20	--	--	--	--	--	--	--	7.0
JUL 16...	0730	4.2	4	--	34	14	3.0	2.0	150	8.5	--
AUG 12...	0715	2.2	80	--	--	--	--	--	--	7.5	--
SEP 16...	0830	--	12	--	--	--	--	--	--	8.5	1.0

07074850 WHITE RIVER NEAR AUGUSTA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBE 980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 24...	0700	154	38	.41	<.010	.040	.020	<5	<10	<5
NOV 20...	1515	176	15	.26	<.010	.090	.030	<3	<10	--
DEC 18...	1430	172	16	.24	.010	.080	.040	--	<10	--
JAN 22...	1515	179	15	--	.010	.040	.010	--	<10	--
FEB 20...	1400	159	85	.31	.010	--	.030	--	<10	--
MAR 18...	1515	177	42	.42	.010	--	.080	--	<10	--
APR 15...	1645	142	12	.16	.010	.160	.120	4	<10	10
MAY 20...	1545	167	40	.20	.010	.010	.040	--	<10	--
JUN 17...	1545	--	<1	--	<.010	.030	.070	--	<10	--
JUL 16...	0730	157	--	--	.010	.020	.040	--	<10	--
AUG 12...	0715	157	4	.05	<.010	.070	.020	--	--	--
SEP 16...	0830	177	22	.01	.060	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 24...	0700	<20	530	<10	96	30	--	--	--	--	--
NOV 20...	1515	<20	370	--	100	30	--	--	--	--	--
DEC 18...	1430	<20	890	--	100	20	--	--	--	--	--
JAN 22...	1515	<20	1700	10	270	20	.00	.00	.00	.00	<.01
FEB 20...	1400	<20	2400	--	140	<10	--	--	--	--	--
MAR 18...	1515	<20	2100	--	150	<10	--	--	--	--	--
APR 15...	1645	<20	2100	<10	160	<10	--	--	--	--	--
MAY 20...	1545	<20	850	--	100	<10	--	--	--	--	--
JUN 17...	1545	<20	--	--	220	10	--	--	--	--	--
JUL 16...	0730	<20	--	<10	300	20	--	--	--	--	--
SEP 16...	0830	<20	210	--	120	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1515	.00	.00	.00	.00	0	.00

07075000 MIDDLE FORK LITTLE RED RIVER AT SHIRLEY, AR

LOCATION.--Lat 35°39'10", long 92°19'10", in SW 1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi (0.8 km) downstream from Sugar Camp (or Weavers) Creek, 1.0 mi (1.6 km) east of Shirley, and at mile 122.0 (196.3 km).

DRAINAGE AREA.--302 mi^2 (782 km^2).

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

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

GAGE.--Water-stage recorder. Datum of gage is 483.12 ft (147.255 m) National Geodetic Vertical Datum of 1929. Prior to June 6, 1939, nonrecording gage at site 70 ft (21 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 470 ft^3/s (13.3 m^3/s), 21.13 in/yr (537 mm/yr), 340,500 acre-ft/yr (420 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 101,000 ft^3/s (2,860 m^3/s) Jan. 24, 1949, gage height, 28.3 ft (8.63 m) in gage well; about 31 ft (9.4 m) on nonrecording gage, from stage-relation curve, from rating curve extended above 60,000 ft^3/s (1,700 m^3/s); no flow at times.
NOTE.--Maximum gage heights published prior to 1949 water year were referred to nonrecording gage.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft^3/s (170 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 24	0300	*15,000	425	17.99	5.483
May 17	1230	7,980	226	14.60	4.450
May 21	2000	6,310	179	13.63	4.154

No flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	348	124	320	129	167	1010	198	218	66	13	.00
2	18	204	108	281	120	156	802	179	187	52	10	.00
3	16	140	97	259	115	144	763	165	159	42	7.6	.00
4	13	108	88	250	114	144	664	151	134	34	5.6	.00
5	12	90	83	232	114	170	560	135	110	28	3.8	.00
6	10	81	79	212	119	229	492	122	90	23	2.8	.00
7	9.1	72	75	229	120	220	467	112	73	19	2.2	.00
8	8.2	71	69	300	133	206	619	121	59	15	1.5	.00
9	7.3	101	65	265	131	194	585	105	49	13	.89	.00
10	6.7	274	62	238	124	183	488	92	43	10	.50	.00
11	5.8	212	61	268	123	172	438	83	37	10	.27	.00
12	4.9	155	66	389	124	191	460	96	32	18	.00	.00
13	4.0	124	120	331	131	255	520	137	28	15	.00	.00
14	3.2	105	185	313	148	277	895	179	26	27	.00	.00
15	2.6	93	223	319	333	248	1040	213	23	37	.00	.00
16	2.4	85	201	323	667	242	1400	329	22	39	.00	.00
17	4.6	77	169	342	528	690	1090	2770	39	40	.00	.00
18	11	72	143	331	438	1060	1110	1180	90	44	.00	.00
19	11	74	131	302	393	748	915	661	1220	41	.00	.00
20	10	77	122	284	363	621	741	465	540	39	.00	.00
21	10	95	112	265	333	555	623	2480	319	39	.00	.00
22	13	268	136	254	301	481	535	3020	229	40	.00	.00
23	12	378	1250	243	270	451	458	2850	816	38	.00	.00
24	11	268	8340	228	242	1220	396	1710	679	35	.00	1.9
25	12	223	2200	215	220	1090	358	1090	409	33	.00	6.7
26	11	313	1230	200	204	825	349	753	294	31	.00	8.0
27	12	265	859	182	190	668	313	548	222	31	.00	7.7
28	16	210	643	167	184	628	279	420	167	28	.00	5.7
29	16	169	516	155	175	686	248	341	123	24	.00	5.0
30	17	143	435	149	---	1890	220	287	88	19	.00	4.0
31	250	---	374	141	---	1420	---	250	---	15	.00	---
TOTAL	559.8	4895	18366	7987	6586	16231	18838	21242	6525	945	48.16	39.00
MEAN	18.1	163	592	258	227	524	628	685	218	30.5	1.55	1.30
MAX	250	378	8340	389	667	1890	1400	3020	1220	66	13	8.0
MIN	2.4	71	61	141	114	144	220	83	22	10	.00	.00
CFSM	.06	.54	1.96	.85	.75	1.74	2.08	2.27	.72	.10	.005	.004
IN.	.07	.60	2.26	.98	.81	2.00	2.32	2.62	.80	.12	.01	.00
AC-FT	1110	9710	36430	15840	13060	32190	37370	42130	12940	1870	96	77

CAL YR 1979 TOTAL 279194.60 MEAN 765 MAX 14300 MIN 2.4 CFSM 2.53 IN 34.39 AC-FT 553800
WTR YR 1980 TOTAL 102261.96 MEAN 279 MAX 8340 MIN .00 CFSM .92 IN 12.60 AC-FT 202800

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR

LOCATION.--Lat 35°39'06", long 92°19'20", in NE 1/4 sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi (0.3 km) south of Shirley, and at mile 124.4 (200.2 km).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1345	9827	9827	96	7.2	22.0	17.0	5	8.1	84
NOV										
13...	1330	9827	9827	92	7.0	9.0	10.0	20	10.7	95
DEC										
04...	1315	9827	9827	77	7.3	12.0	6.0	5	12.4	99
FEB										
05...	1330	9827	9827	77	7.3	5.0	4.0	5	11.0	84
26...	1315	9827	9827	77	7.3	4.0	6.0	15	12.1	97
MAR										
25...	1300	9827	9827	81	7.3	8.0	9.0	10	11.0	95
MAY										
06...	1315	9827	9827	92	7.5	26.0	20.0	5	9.0	98
20...	1310	9827	9827	78	7.3	24.0	18.0	30	9.3	98
JUN										
24...	1350	9827	9827	110	7.6	32.0	22.0	100	8.2	93
JUL										
22...	1340	9827	9827	--	7.5	31.0	29.0	10	8.8	113
AUG										
19...	1315	9827	9827	132	7.2	36.0	29.0	5	8.8	113
SEP										
16...	1255	9827	9827	134	7.7	34.0	28.0	5	8.3	105

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1345	.9	<4	42	14	1.7	2.2	1.0	34	5.5	4.0
NOV											
13...	1330	--	16	--	--	--	--	--	--	4.0	7.0
DEC											
04...	1315	2.1	<4	--	--	--	--	--	--	4.5	4.0
FEB											
05...	1330	.9	<4	--	--	--	1.7	.6	29	4.0	6.0
26...	1315	.6	<5	--	--	--	--	--	--	4.5	6.0
MAR											
25...	1300	1.4	24	--	--	--	--	--	--	3.5	5.0
MAY											
06...	1315	.8	12	--	--	--	--	--	29	3.0	11
20...	1310	--	290	--	--	--	--	--	--	--	5.0
JUN											
24...	1350	2.4	--	--	--	--	--	--	--	4.5	9.0
JUL											
22...	1340	--	8	--	18	1.9	2.0	1.0	53	75	7.0
AUG											
19...	1315	7.5	<4	--	--	--	--	--	--	6.0	5.0
SEP											
16...	1255	3.3	<4	--	--	--	--	--	--	6.5	4.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1345	--	4	.00	.010	.010	.030	<5	<10	<5
NOV										
13...	1330	61	4	.00	.070	--	.010	--	<10	--
DEC										
04...	1315	50	2	.01	<.010	.040	.010	--	<10	--
FEB										
05...	1330	48	2	.01	<.010	<.010	.010	--	<10	<5
26...	1315	58	4	<.01	.010	.100	.010	--	<10	--
MAR										
25...	1300	82	13	.05	.020	.030	--	--	<10	--
MAY										
06...	1315	51	--	.01	.010	.010	.010	--	<10	--
20...	1310	64	8	.07	.010	.020	.040	--	<10	--
JUN										
24...	1350	111	--	.11	.020	.040	.230	--	<10	--
JUL										
22...	1340	72	6	<.01	<.010	.020	--	--	<10	--
AUG										
19...	1315	70	9	.01	<.010	.040	.100	--	<10	--
SEP										
16...	1255	82	15	.03	.020	--	.050	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1345	<20	510	<10	33	60	--	--	--	--	--
NOV											
13...	1330	<20	670	--	40	<10	.00	.00	.00	.00	.00
DEC											
04...	1315	<20	<30	--	<10	<10	--	--	--	--	--
FEB											
05...	1330	<20	--	10	67	30	--	--	--	--	--
26...	1315	<20	350	--	64	20	--	--	--	--	--
MAR											
25...	1300	<20	1100	--	120	20	--	--	--	--	--
MAY											
06...	1315	<20	290	--	27	30	--	--	--	--	--
20...	1310	<20	1200	--	49	30	--	--	--	--	--
JUN											
24...	1350	20	1700	--	65	40	--	--	--	--	--
JUL											
22...	1340	<20	200	10	66	30	--	--	--	--	--
AUG											
19...	1315	20	250	--	88	40	--	--	--	--	--
SEP											
16...	1255	20	290	--	110	50	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
13...	1330	.00	.00	.00	.00	0	.00

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW 1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi (0.3 km) upstream from Archey Creek, and at mile 23.7 (38.1 km).

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD Ark. 1968: 1962, 1964. WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1964 (M).

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft (146.642 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 239 ft^3/s (6.77 m^3/s), 21.93 in/yr (557 mm/yr), 173,200 acre-ft/yr (214 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,700 ft^3/s (926 m^3/s) Mar. 28, 1978, gage height, 26.43 ft (8.056 m); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,000 ft^3/s (255 m^3/s) Dec. 24 at 0300 hours, gage height, 17.11 ft (5.215 m), no other peak above base of 5,000 ft^3/s (140 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	114	62	211	74	92	506	101	96	7.7	.23	.00
2	5.8	56	58	187	69	84	417	92	80	6.8	.15	.00
3	5.3	38	56	172	68	78	506	84	68	6.0	.28	.00
4	4.9	28	50	160	66	76	403	76	58	5.5	.74	.00
5	4.5	23	50	143	66	82	329	69	48	5.0	.87	.00
6	4.2	21	48	131	66	80	289	63	41	4.5	.74	.00
7	3.9	19	47	133	66	76	289	59	35	4.0	.60	.00
8	4.2	18	45	127	73	72	796	53	31	3.6	.42	.00
9	4.2	31	42	116	71	69	501	47	27	3.2	.32	.00
10	4.1	92	41	108	68	65	395	42	25	3.2	.22	.00
11	3.7	71	40	127	65	62	340	39	22	2.7	.09	.00
12	3.2	57	46	145	68	78	364	49	20	2.3	.00	.00
13	2.9	49	86	136	71	100	411	65	18	2.2	.05	.00
14	2.7	42	120	134	85	95	817	67	17	2.0	.23	.00
15	2.5	38	119	129	228	88	725	55	15	2.0	.90	.00
16	2.5	34	112	142	363	87	654	141	15	1.5	.85	.00
17	3.2	32	100	166	295	202	547	367	47	1.8	.68	.00
18	4.1	31	90	156	258	301	534	277	224	2.1	.50	.00
19	4.2	31	85	151	238	263	441	192	164	1.5	.37	.00
20	4.1	30	82	147	221	242	376	145	79	1.3	.27	.00
21	4.2	40	79	140	200	226	323	1170	52	1.0	.16	.00
22	4.6	145	162	140	179	195	278	1020	37	1.3	.00	.00
23	5.0	147	1410	133	160	214	241	764	39	1.2	.00	.90
24	5.3	121	4330	124	142	721	211	522	32	1.1	.00	1.4
25	5.4	110	1050	119	128	559	196	369	23	.92	.00	1.6
26	5.9	103	699	113	115	437	181	272	18	.90	.00	.90
27	7.0	92	542	103	106	362	164	207	14	.90	.00	.70
28	10	82	416	96	103	366	142	165	12	.80	.00	1.4
29	10	73	339	89	97	367	125	145	10	.61	.00	1.2
30	11	66	288	86	---	886	111	133	8.9	.45	.00	.90
31	135	---	246	82	---	670	---	116	---	.32	.00	---
TOTAL	284.0	1834	10940	4146	3809	7295	11612	6966	1375.9	78.40	8.67	9.00
MEAN	9.16	61.1	353	134	131	235	387	225	45.9	2.53	.28	.30
MAX	135	147	4330	211	363	886	817	1170	224	7.7	.90	1.6
MIN	2.5	18	40	82	65	62	111	39	8.9	.32	.00	.00
CFSM	.06	.41	2.39	.91	.89	1.59	2.62	1.52	.31	.02	.002	.002
IN.	.07	.46	2.75	1.04	.96	1.83	2.92	1.75	.35	.02	.00	.00
AC-FT	563	3640	21700	8220	7560	14470	23030	13820	2730	156	17	18

CAL YR 1979 TOTAL 146597.00 MEAN 402 MAX 7570 MIN 2.5 CFSM 2.72 IN 36.85 AC-FT 290800
WTR YR 1980 TOTAL 48357.97 MEAN 132 MAX 4330 MIN .00 CFSM .89 IN 12.15 AC-FT 95920

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

LOCATION.--Lat 35°33'48", long 92°11'48", in NE 1/4 sec.30, T.11 N., R.11 W., Cleburne County, Hydrologic Unit 11010014, at the Narrows bridge on State Highway 16 and 92, 0.8 mi (1.3 km) southeast of Higden.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
OCT										
16...	1415	9827	9827	--	40	6.8	22.0	20.0	5	--
NOV										
13...	1400	9827	9827	--	42	6.5	10.0	15.0	5	--
DEC										
04...	1345	9827	9827	--	48	7.1	14.0	12.0	10	--
10...	1510	1028	1028	90	--	--	19.0	--	--	--
10...	1515	1028	1028	90	42	7.1	--	11.5	5	3.2
10...	1520	1028	1028	90	43	7.1	--	11.0	5	3.7
FEB										
05...	1350	9827	9827	--	45	6.7	5.0	5.0	5	--
26...	1350	9827	9827	--	44	7.1	3.0	6.0	10	--
MAR										
25...	1330	9827	9827	--	49	7.1	7.0	9.0	20	--
MAY										
06...	1340	9827	9827	--	45	7.1	26.0	20.0	5	--
12...	1710	1028	1028	137	--	--	21.5	--	--	--
12...	1715	1028	1028	137	41	7.3	--	15.0	0	1.7
12...	1720	1028	1028	137	46	6.0	--	8.0	5	4.2
20...	1340	9827	9827	--	46	7.3	24.0	22.0	5	--
JUN										
24...	1430	9827	9827	--	46	7.4	33.0	23.0	5	--
JUL										
22...	1410	9827	9827	--	--	7.2	29.0	29.0	5	--
AUG										
19...	1345	9827	9827	--	45	7.0	34.0	31.0	5	--
27...	1445	1028	1028	70	--	--	30.5	--	--	--
27...	1450	1028	1028	70	43	7.5	--	29.5	0	1.5
27...	1455	1028	1028	70	43	6.5	--	12.5	0	2.0
SEP										
16...	1405	9827	9827	--	51	7.4	34.0	29.0	--	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)
OCT									
16...	1415	8.3	90	.3	<4	--	15	--	4.4
NOV									
13...	1400	8.6	84	--	<4	--	--	--	--
DEC									
04...	1345	7.7	71	.9	<4	--	--	--	--
10...	1510	--	--	--	--	3	--	--	--
10...	1515	7.7	--	.2	--	--	3	0	--
10...	1520	8.0	--	.3	--	--	10	0	--
FEB									
05...	1350	10.8	84	1.5	<4	--	--	--	--
26...	1350	11.9	95	.5	5	--	--	--	--
MAR									
25...	1330	11.8	101	1.3	10	--	--	--	--
MAY									
06...	1340	10.4	113	.3	4	--	--	--	--
12...	1710	--	--	--	--	2	--	--	--
12...	1715	9.4	--	.6	--	--	17	7	--
12...	1720	7.4	--	.6	--	--	19	8	--
20...	1340	10.3	117	--	<4	--	--	--	--
JUN									
24...	1430	9.4	108	2.0	<4	--	--	--	--
JUL									
22...	1410	8.9	114	2.8	<4	--	--	--	5.0
AUG									
19...	1345	8.9	119	1.5	<4	--	--	--	--
27...	1445	--	--	--	--	0	--	--	--
27...	1450	7.3	--	.4	--	--	15	2	--
27...	1455	6.4	--	1.0	--	--	18	0	--
SEP									
16...	1405	8.9	114	1.5	<4	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)
OCT								
16...	1415	--	--	.9	--	1.3	.8	11
DEC								
10...	1515	.8	2	--	.3	--	.7	14
10...	1520	3.0	8	--	.6	--	.8	14
FEB								
05...	1350	--	--	--	--	1.2	.8	14
MAY								
06...	1340	--	--	--	--	--	--	12
12...	1715	5.0	12	--	1.0	--	.5	10
12...	1720	6.1	--	--	1.0	--	.5	11
JUL								
22...	1410	--	--	1.1	--	2.0	1.0	15
AUG								
27...	1450	4.6	12	--	.9	--	.9	13
27...	1455	5.2	13	--	1.1	--	.9	21

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, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT									
16...	1415	3.0	4.0	--	2	.00	.010	--	.010
NOV									
13...	1400	3.0	3.0	33	2	.01	.010	--	--
DEC									
04...	1345	2.0	4.5	34	2	.02	.010	--	.130
10...	1515	4.0	1.1	--	--	--	--	.06	.090
10...	1520	3.5	1.2	--	--	--	--	.06	.070
FEB									
05...	1350	2.0	3.5	28	2	.14	<.010	--	<.010
26...	1350	3.0	3.5	36	4	.11	.010	--	.040
MAR									
25...	1330	1.0	4.0	49	4	.12	.010	--	.020
MAY									
06...	1340	9.0	4.0	24	--	.07	<.010	--	.020
12...	1715	2.5	1.3	--	--	--	--	.09	.040
12...	1720	3.0	1.2	--	--	--	--	.18	.040
20...	1340	4.0	--	31	4	.05	<.010	--	.020
JUN									
24...	1430	5.0	4.0	35	--	.01	.010	--	.050
JUL									
22...	1410	6.0	8.5	24	4	<.01	<.010	--	.050
AUG									
19...	1345	3.0	5.5	16	2	.01	<.010	--	.030
27...	1450	1.8	1.6	--	--	--	--	.00	.040
27...	1455	1.9	1.7	--	--	--	--	.15	.030
SEP									
16...	1405	5.0	5.5	33	14	.04	.020	--	--

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)
OCT										
16...	1415	--	--	--	--	.010	--	--	<5	<10
NOV										
13...	1400	--	--	--	--	.010	--	--	--	--
DEC										
04...	1345	--	--	--	--	.010	--	--	--	--
10...	1515	.26	.35	.41	1.8	.010	.000	90	1	--
10...	1520	.45	.52	.58	2.6	.010	.000	110	1	--
FEB										
05...	1350	--	--	--	--	.010	--	--	--	<10
26...	1350	--	--	--	--	.010	--	--	--	--
MAY										
06...	1340	--	--	--	--	.010	--	--	--	<10
12...	1715	.28	.32	.41	1.8	.020	.000	50	1	--
12...	1720	.55	.59	.77	3.4	.020	.000	120	1	--
20...	1340	--	--	--	--	.010	--	--	--	--
JUN										
24...	1430	--	--	--	--	.010	--	--	--	--
JUL										
22...	1410	--	--	--	--	--	--	--	--	<10
AUG										
19...	1345	--	--	--	--	.030	--	--	--	--
27...	1450	.36	.40	.40	1.8	.020	.000	70	0	--
27...	1455	.21	.24	.39	1.7	.020	.000	80	0	--
SEP										
						.010	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)
OCT									
16...	1415	<5	<20	150	<10	33	30	--	--
DEC									
10...	1515	8	1	260	6	370	30	.0	0
10...	1520	12	3	320	3	370	0	.0	0
FEB									
05...	1350	<5	<20	--	<10	76	20	--	--
MAY									
06...	1340	--	<20	130	--	45	30	--	--
12...	1715	0	2	170	1	20	80	.0	5
12...	1720	0	4	380	4	190	20	.0	4
JUL									
22...	1410	--	<20	70	<10	25	80	--	--
AUG									
27...	1450	10	2	70	3	10	10	.0	3
27...	1455	10	2	110	3	60	30	.0	5

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT												
16...	1415	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB												
26...	1350	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN												
24...	1430	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL												
22...	1410	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG												
19...	1345	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP												
16...	1405	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'15", long 91°59'42", in SE 1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi (4.0 km) northeast of Heber Springs, 5.5 mi (8.8 km) upstream from Canoe Creek, and at mile 79.0 (127.1 km).

DRAINAGE AREA.--1,153 mi^2 (2,986 km^2).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
15...	1230	1028	1028	.0	38	6.7	20.5	173	9.4
15...	1232	1028	1028	10.0	38	6.7	20.0	--	9.2
15...	1234	1028	1028	20.0	38	6.7	20.0	--	9.2
15...	1236	1028	1028	30.0	38	6.6	20.0	--	9.2
15...	1238	1028	1028	40.0	39	6.6	20.0	--	8.9
15...	1240	1028	1028	48.0	39	5.9	19.0	--	1.0
15...	1242	1028	1028	50.0	39	5.9	18.0	--	1.0
15...	1244	1028	1028	55.0	39	5.9	17.0	--	1.5
15...	1246	1028	1028	60.0	40	5.9	16.5	--	1.9
15...	1248	1028	1028	70.0	40	5.9	15.5	--	3.0
15...	1250	1028	1028	80.0	40	5.9	14.5	--	3.8
15...	1252	1028	1028	90.0	39	5.9	13.5	--	4.7
15...	1254	1028	1028	100	38	5.9	12.5	--	5.3
15...	1256	1028	1028	110	38	5.8	11.5	--	5.2
15...	1257	1028	1028	120	38	5.8	10.5	--	4.3
15...	1258	1028	1028	130	40	5.8	9.5	--	2.7
15...	1259	1028	1028	140	42	5.8	9.0	--	1.6
15...	1300	1028	1028	144	44	5.9	9.0	--	1.2
NOV									
05...	1300	1028	1028	.0	38	7.4	18.0	142	7.6
05...	1302	1028	1028	10.0	38	7.3	18.0	--	7.5
05...	1304	1028	1028	20.0	38	7.3	18.0	--	7.4
05...	1306	1028	1028	30.0	38	7.3	18.0	--	7.4
05...	1308	1028	1028	40.0	38	7.3	17.5	--	7.4
05...	1310	1028	1028	50.0	38	7.3	17.5	--	7.4
05...	1312	1028	1028	60.0	40	6.7	16.5	--	1.5
05...	1314	1028	1028	70.0	40	6.5	15.5	--	2.2
05...	1316	1028	1028	80.0	39	6.4	14.5	--	3.0
05...	1318	1028	1028	85.0	39	6.3	13.5	--	3.4
05...	1320	1028	1028	90.0	38	6.3	13.0	--	3.7
05...	1322	1028	1028	95.0	38	6.3	12.0	--	4.0
05...	1324	1028	1028	100	38	6.3	11.5	--	4.0
05...	1326	1028	1028	110	38	6.2	11.0	--	3.7
05...	1327	1028	1028	120	38	6.2	10.0	--	2.6
05...	1328	1028	1028	130	40	6.1	9.5	--	1.3
05...	1329	1028	1028	140	42	6.2	9.0	--	.5
05...	1330	1028	1028	143	43	6.2	9.0	--	.3

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
10...	1110	1028	1028	.0	170	46	7.5	12.0	--	--
10...	1114	1028	1028	10.0	--	44	7.5	12.0	--	--
10...	1118	1028	1028	20.0	--	44	7.5	12.0	--	--
10...	1120	1028	1028	25.0	170	39	7.0	12.0	0	1.6
10...	1123	1028	1028	30.0	--	46	7.4	12.0	--	--
10...	1126	1028	1028	40.0	--	46	7.4	12.0	--	--
10...	1130	1028	1028	50.0	--	46	7.3	12.0	--	--
10...	1132	1028	1028	60.0	--	46	7.3	12.0	--	--
10...	1134	1028	1028	70.0	--	46	7.2	12.0	--	--
10...	1136	1028	1028	80.0	--	46	7.2	12.0	--	--
10...	1138	1028	1028	90.0	--	46	7.1	11.0	--	--
10...	1140	1028	1028	100	170	37	6.6	10.0	5	4.5
10...	1142	1028	1028	110	--	50	7.0	9.5	--	--
10...	1144	1028	1028	120	--	54	7.0	9.5	--	--
10...	1146	1028	1028	130	--	56	7.2	9.0	--	--
10...	1147	1028	1028	140	--	60	7.2	9.0	--	--
10...	1148	1028	1028	150	--	60	7.2	8.0	--	--
10...	1149	1028	1028	160	--	66	7.2	7.5	--	--
10...	1150	1028	1028	170	--	68	7.3	7.0	--	--

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
10...	126	8.0	--	0	--	--	--	--	--	--
10...	--	8.4	--	--	--	--	--	--	--	--
10...	--	8.4	--	--	--	--	--	--	--	--
10...	--	8.4	.2	--	8	0	2.1	5	.7	.5
10...	--	8.4	--	--	--	--	--	--	--	--
10...	--	8.4	--	--	--	--	--	--	--	--
10...	--	8.0	--	--	--	--	--	--	--	--
10...	--	7.9	--	--	--	--	--	--	--	--
10...	--	7.9	--	--	--	--	--	--	--	--
10...	--	6.3	--	--	--	--	--	--	--	--
10...	--	3.8	--	--	--	--	--	--	--	--
10...	--	2.0	.4	--	12	2	3.3	8	.8	.6
10...	--	1.0	--	--	--	--	--	--	--	--
10...	--	.5	--	--	--	--	--	--	--	--
10...	--	.5	--	--	--	--	--	--	--	--
10...	--	.5	--	--	--	--	--	--	--	--
10...	--	.5	--	--	--	--	--	--	--	--
10...	--	.5	--	--	--	--	--	--	--	--
10...	--	.4	--	--	--	--	--	--	--	--

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	11	7.3	1.3	.11	.010	.31	.32	.43	1.9	.010
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	10	3.2	1.1	.26	.010	1.1	1.1	1.4	6.0	.010
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	.000	90	1	16	2	60	30	.0	1	20
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	.000	240	1	16	4	190	60	.0	0	10
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN									
11...	1045	1028	1028	.0	42	6.8	9.0	65.0	9.8
11...	1046	1028	1028	10.0	42	6.9	9.0	--	9.8
11...	1048	1028	1028	20.0	42	6.9	9.0	--	9.7
11...	1050	1028	1028	30.0	42	6.9	9.0	--	9.7
11...	1052	1028	1028	40.0	42	6.9	9.0	--	9.7
11...	1054	1028	1028	50.0	42	6.9	9.0	--	9.7
11...	1056	1028	1028	60.0	42	6.9	9.0	--	9.7
11...	1058	1028	1028	70.0	42	6.9	9.0	--	9.7
11...	1100	1028	1028	80.0	42	6.9	9.0	--	9.7
11...	1102	1028	1028	90.0	42	6.9	9.0	--	9.7
11...	1104	1028	1028	100	42	6.9	9.0	--	9.7
11...	1106	1028	1028	110	42	6.9	9.0	--	9.7
11...	1107	1028	1028	120	42	6.9	9.0	--	9.7
11...	1108	1028	1028	130	42	6.9	9.0	--	9.7
11...	1109	1028	1028	140	43	6.8	9.0	--	9.1
11...	1110	1028	1028	148	44	6.8	9.0	--	8.9
FEB									
12...	1130	1028	1028	.0	41	7.1	7.0	98.0	10.7
12...	1132	1028	1028	10.0	41	7.1	7.0	--	10.6
12...	1134	1028	1028	20.0	41	7.1	7.0	--	10.6
12...	1136	1028	1028	30.0	42	7.1	7.0	--	10.6
12...	1138	1028	1028	40.0	42	7.1	7.0	--	10.6
12...	1140	1028	1028	50.0	42	7.1	7.0	--	10.6
12...	1142	1028	1028	60.0	42	7.0	7.0	--	10.6
12...	1144	1028	1028	70.0	42	7.0	7.0	--	10.6
12...	1146	1028	1028	80.0	42	7.0	7.0	--	10.6
12...	1148	1028	1028	90.0	42	7.0	7.0	--	10.6
12...	1150	1028	1028	100	42	7.0	7.0	--	10.6
12...	1152	1028	1028	110	42	7.0	7.0	--	10.6
12...	1154	1028	1028	120	42	7.0	7.0	--	10.6
12...	1156	1028	1028	130	42	7.0	6.5	--	10.6
12...	1158	1028	1028	140	42	7.0	6.5	--	10.6
12...	1200	1028	1028	146	42	7.0	6.5	--	10.5

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
11...	1110	1028	1028	.0	38	7.0	8.5	116	11.6
11...	1112	1028	1028	10.0	38	7.0	8.0	--	11.6
11...	1114	1028	1028	20.0	38	7.0	8.0	--	11.6
11...	1116	1028	1028	30.0	39	6.9	8.0	--	11.6
11...	1118	1028	1028	40.0	39	6.9	7.0	--	11.3
11...	1120	1028	1028	50.0	39	6.8	6.5	--	11.2
11...	1122	1028	1028	60.0	39	6.8	6.5	--	11.2
11...	1124	1028	1028	70.0	39	6.8	6.5	--	11.2
11...	1126	1028	1028	80.0	39	6.8	6.0	--	11.2
11...	1128	1028	1028	90.0	39	6.7	6.0	--	11.1
11...	1130	1028	1028	100	39	6.7	6.0	--	11.1
11...	1132	1028	1028	110	39	6.7	6.0	--	11.0
11...	1134	1028	1028	120	39	6.7	6.0	--	11.0
11...	1136	1028	1028	130	39	6.6	6.0	--	10.9
11...	1138	1028	1028	140	39	6.6	6.0	--	10.8
11...	1140	1028	1028	145	39	6.6	6.0	--	10.8
APR									
07...	1045	1028	1028	.0	37	7.3	10.5	130	11.0
07...	1046	1028	1028	10.0	37	7.2	10.5	--	11.0
07...	1048	1028	1028	20.0	38	7.2	10.0	--	11.0
07...	1050	1028	1028	30.0	38	7.2	9.5	--	11.0
07...	1052	1028	1028	40.0	38	7.1	9.0	--	10.9
07...	1054	1028	1028	50.0	38	7.1	8.5	--	10.9
07...	1056	1028	1028	60.0	38	7.0	8.5	--	10.8
07...	1058	1028	1028	70.0	38	7.0	8.0	--	10.8
07...	1100	1028	1028	80.0	38	7.0	7.5	--	10.8
07...	1102	1028	1028	90.0	38	6.9	7.0	--	10.6
07...	1104	1028	1028	100	38	6.8	6.5	--	10.5
07...	1106	1028	1028	110	38	6.8	6.5	--	10.4
07...	1107	1028	1028	120	38	6.8	6.5	--	10.4
07...	1108	1028	1028	130	38	6.7	6.5	--	10.4
07...	1109	1028	1028	140	38	6.7	6.5	--	10.4
07...	1110	1028	1028	150	39	6.7	6.0	--	10.3

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
MAY										
13...	0825	1028	1028	.0	152	37	--	20.0	--	--
13...	0830	1028	1028	10.0	--	37	--	19.5	--	--
13...	0835	1028	1028	20.0	--	37	--	18.5	--	--
13...	0838	1028	1028	21.0	--	37	--	16.5	--	--
13...	0840	1028	1028	25.0	152	37	7.6	15.5	0	.90
13...	0842	1028	1028	27.0	--	37	--	14.5	--	--
13...	0844	1028	1028	30.0	--	37	--	13.5	--	--
13...	0846	1028	1028	35.0	--	37	--	12.5	--	--
13...	0848	1028	1028	40.0	--	36	--	11.5	--	--
13...	0850	1028	1028	50.0	--	36	--	10.5	--	--
13...	0852	1028	1028	60.0	--	36	--	10.0	--	--
13...	0854	1028	1028	70.0	--	36	--	9.5	--	--
13...	0856	1028	1028	80.0	--	36	--	9.0	--	--
13...	0858	1028	1028	90.0	--	35	--	8.0	--	--
13...	0900	1028	1028	100	152	40	6.8	7.0	0	1.3
13...	0902	1028	1028	110	--	35	--	6.5	--	--
13...	0904	1028	1028	120	--	35	--	6.5	--	--
13...	0906	1028	1028	130	--	35	--	6.5	--	--
13...	0908	1028	1028	140	--	35	--	6.5	--	--
13...	0909	1028	1028	150	--	36	--	6.5	--	--
13...	0910	1028	1028	152	--	36	--	6.0	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
MAY										
13...	173	9.0	--	1	--	--	--	--	--	--
13...	--	9.1	--	--	--	--	--	--	--	--
13...	--	9.6	--	--	--	--	--	--	--	--
13...	--	10.1	--	--	--	--	--	--	--	--
13...	--	10.2	.6	--	14	4	4.2	10	.8	.5
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	.6	--	15	6	4.3	11	1.0	.5
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.1	--	--	--	--	--	--	--	--
13...	--	10.0	--	--	--	--	--	--	--	--
13...	--	9.9	--	--	--	--	--	--	--	--
13...	--	9.7	--	--	--	--	--	--	--	--
13...	--	9.7	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	10	2.8	.9	.05	.000	.22	.22	.27	1.2	.010
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	9	2.2	.9	.13	.040	.18	.22	.35	1.6	.010
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	30	0	0	1	80	10	.0	3	10
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	30	0	0	2	90	10	.0	1	10
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
17...	1245	1028	1028	.0	41	7.3	27.0	90.0	7.8
17...	1246	1028	1028	10.0	41	7.3	27.0	--	7.8
17...	1248	1028	1028	20.0	41	7.3	26.5	--	7.8
17...	1250	1028	1028	23.0	41	7.3	25.5	--	8.2
17...	1252	1028	1028	25.0	40	7.2	24.5	--	8.5
17...	1254	1028	1028	26.0	40	7.2	23.0	--	8.6
17...	1256	1028	1028	29.0	40	7.2	22.0	--	8.6
17...	1258	1028	1028	30.0	40	7.2	20.5	--	8.6
17...	1300	1028	1028	31.0	40	7.2	19.0	--	8.6
17...	1302	1028	1028	33.0	39	7.2	18.0	--	8.7
17...	1304	1028	1028	34.0	39	7.1	16.5	--	8.9
17...	1306	1028	1028	36.0	38	7.1	15.5	--	9.0
17...	1308	1028	1028	38.0	38	7.1	14.5	--	9.2
17...	1310	1028	1028	40.0	38	7.1	14.0	--	9.3
17...	1312	1028	1028	45.0	38	7.1	13.0	--	9.0
17...	1314	1028	1028	50.0	38	7.0	12.0	--	8.9
17...	1316	1028	1028	60.0	38	7.0	11.0	--	8.8
17...	1318	1028	1028	70.0	38	7.0	10.5	--	8.8
17...	1320	1028	1028	80.0	38	7.0	10.0	--	8.8
17...	1322	1028	1028	90.0	38	7.0	9.5	--	8.8
17...	1324	1028	1028	100	38	7.0	8.5	--	8.8
17...	1326	1028	1028	110	38	7.0	8.0	--	8.5
17...	1328	1028	1028	120	38	7.0	7.5	--	8.3
17...	1330	1028	1028	130	38	6.9	7.5	--	8.2
17...	1332	1028	1028	140	38	6.9	7.0	--	8.2
17...	1334	1028	1028	150	38	6.9	7.0	--	8.1
17...	1335	1028	1028	152	38	6.8	7.0	--	8.1

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
14...	1220	1028	1028	.0	40	7.7	32.5	194	6.7
14...	1222	1028	1028	10.0	40	7.6	32.5	--	6.7
14...	1224	1028	1028	20.0	40	7.5	31.5	--	7.0
14...	1226	1028	1028	21.0	38	7.7	30.5	--	7.4
14...	1228	1028	1028	22.0	38	8.5	28.0	--	8.6
14...	1230	1028	1028	23.0	38	8.5	26.5	--	8.9
14...	1232	1028	1028	25.0	38	8.5	25.5	--	9.0
14...	1234	1028	1028	27.0	37	8.3	24.5	--	9.0
14...	1236	1028	1028	29.0	36	7.8	23.5	--	9.0
14...	1238	1028	1028	30.0	36	7.7	22.5	--	9.0
14...	1240	1028	1028	31.0	36	7.6	21.5	--	9.1
14...	1242	1028	1028	32.0	36	7.4	20.5	--	9.1
14...	1244	1028	1028	34.0	36	7.3	19.5	--	9.0
14...	1246	1028	1028	35.0	35	7.2	17.5	--	8.9
14...	1248	1028	1028	37.0	35	7.2	16.5	--	8.9
14...	1250	1028	1028	38.0	35	7.1	15.5	--	8.9
14...	1252	1028	1028	40.0	35	7.0	15.0	--	8.9
14...	1254	1028	1028	43.0	35	7.0	14.0	--	8.8
14...	1256	1028	1028	46.0	35	6.9	13.0	--	8.6
14...	1258	1028	1028	50.0	35	6.8	12.0	--	8.4
14...	1300	1028	1028	60.0	36	6.8	11.0	--	8.4
14...	1302	1028	1028	70.0	36	6.8	10.5	--	8.4
14...	1304	1028	1028	80.0	36	6.8	10.0	--	8.5
14...	1306	1028	1028	90.0	36	6.8	9.5	--	8.6
14...	1308	1028	1028	100	36	6.8	8.5	--	8.5
14...	1310	1028	1028	110	36	6.7	7.5	--	8.1
14...	1312	1028	1028	120	36	6.7	7.5	--	7.8
14...	1313	1028	1028	130	37	6.7	7.0	--	7.6
14...	1314	1028	1028	140	37	6.6	7.0	--	7.5
14...	1315	1028	1028	148	37	6.6	7.0	--	7.4

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
AUG										
27...	0950	1028	1028	.0	145	49	7.4	28.0	--	--
27...	0955	1028	1028	10.0	--	48	7.4	28.0	--	--
27...	1000	1028	1028	20.0	--	48	7.3	28.0	--	--
27...	1015	1028	1028	25.0	145	48	7.1	27.0	0	.80
27...	1016	1028	1028	26.0	--	48	7.0	26.0	--	--
27...	1017	1028	1028	27.0	--	48	7.0	25.0	--	--
27...	1018	1028	1028	29.0	--	47	7.0	24.5	--	--
27...	1020	1028	1028	30.0	--	47	6.9	23.5	--	--
27...	1021	1028	1028	31.0	--	46	6.9	22.0	--	--
27...	1022	1028	1028	32.0	--	46	6.8	20.5	--	--
27...	1024	1028	1028	35.0	--	46	6.8	19.5	--	--
27...	1026	1028	1028	36.0	--	46	6.7	18.0	--	--
27...	1028	1028	1028	38.0	--	45	6.7	17.0	--	--
27...	1030	1028	1028	40.0	--	45	6.7	16.0	--	--
27...	1032	1028	1028	42.0	--	45	6.6	15.0	--	--
27...	1034	1028	1028	45.0	--	45	6.6	14.0	--	--
27...	1036	1028	1028	48.0	--	46	6.6	13.0	--	--
27...	1038	1028	1028	50.0	--	46	6.6	12.5	--	--
27...	1040	1028	1028	55.0	--	46	6.6	11.5	--	--
27...	1041	1028	1028	60.0	--	46	6.6	11.0	--	--
27...	1042	1028	1028	70.0	--	46	6.6	10.5	--	--
27...	1043	1028	1028	80.0	--	46	6.6	9.5	--	--
27...	1044	1028	1028	90.0	--	46	6.6	9.0	--	--
27...	1045	1028	1028	100	145	47	7.5	8.5	0	1.5
27...	1046	1028	1028	110	--	47	6.6	8.0	--	--
27...	1048	1028	1028	120	--	48	6.5	7.5	--	--
27...	1050	1028	1028	130	--	48	6.5	7.5	--	--
27...	1052	1028	1028	140	--	48	6.5	7.5	--	--
27...	1055	1028	1028	145	--	48	6.5	7.5	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
AUG										
27...	210	7.4	--	K3	--	--	--	--	--	--
27...	--	7.4	--	--	--	--	--	--	--	--
27...	--	6.7	--	--	--	--	--	--	--	--
27...	--	6.3	.8	--	15	0	4.4	11	.9	1.1
27...	--	6.3	--	--	--	--	--	--	--	--
27...	--	6.4	--	--	--	--	--	--	--	--
27...	--	6.4	--	--	--	--	--	--	--	--
27...	--	6.5	--	--	--	--	--	--	--	--
27...	--	6.5	--	--	--	--	--	--	--	--
27...	--	6.2	--	--	--	--	--	--	--	--
27...	--	6.2	--	--	--	--	--	--	--	--
27...	--	6.0	--	--	--	--	--	--	--	--
27...	--	5.8	--	--	--	--	--	--	--	--
27...	--	5.6	--	--	--	--	--	--	--	--
27...	--	5.4	--	--	--	--	--	--	--	--
27...	--	5.3	--	--	--	--	--	--	--	--
27...	--	5.3	--	--	--	--	--	--	--	--
27...	--	5.3	--	--	--	--	--	--	--	--
27...	--	5.2	--	--	--	--	--	--	--	--
27...	--	5.2	--	--	--	--	--	--	--	--
27...	--	5.3	--	--	--	--	--	--	--	--
27...	--	5.4	--	--	--	--	--	--	--	--
27...	--	5.4	--	--	--	--	--	--	--	--
27...	--	5.2	.7	--	16	0	4.7	12	1.0	.9
27...	--	5.0	--	--	--	--	--	--	--	--
27...	--	4.6	--	--	--	--	--	--	--	--
27...	--	4.6	--	--	--	--	--	--	--	--
27...	--	4.4	--	--	--	--	--	--	--	--
27...	--	4.4	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	18	.9	1.4	.00	.050	.95	1.0	1.0	4.4	.020
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	16	1.9	1.5	.44	.020	.22	.24	.68	3.0	.020
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	.000	50	0	0	2	70	10	.0	4	20
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	.000	70	0	0	2	100	20	.0	3	10
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
16...	1100	1028	1028	.0	41	7.1	27.5	228	7.5
16...	1102	1028	1028	10.0	41	7.1	27.0	--	7.5
16...	1104	1028	1028	20.0	41	7.1	27.0	--	7.4
16...	1106	1028	1028	28.0	40	6.8	26.0	--	7.2
16...	1108	1028	1028	30.0	40	6.7	25.0	--	7.2
16...	1110	1028	1028	31.0	39	6.6	24.0	--	7.3
16...	1112	1028	1028	33.0	39	6.6	23.0	--	7.4
16...	1114	1028	1028	34.0	38	6.5	22.0	--	7.4
16...	1116	1028	1028	35.0	38	6.5	20.5	--	7.4
16...	1118	1028	1028	36.0	37	6.5	19.0	--	7.4
16...	1120	1028	1028	37.0	37	6.5	18.0	--	7.3
16...	1122	1028	1028	38.0	37	6.4	17.0	--	7.2
16...	1124	1028	1028	40.0	37	6.4	16.0	--	7.2
16...	1126	1028	1028	42.0	37	6.5	15.0	--	7.1
16...	1128	1028	1028	45.0	37	6.5	14.0	--	7.0
16...	1130	1028	1028	47.0	37	6.5	13.0	--	7.0
16...	1132	1028	1028	50.0	37	6.6	12.0	--	7.1
16...	1134	1028	1028	60.0	37	6.6	11.0	--	7.1
16...	1136	1028	1028	70.0	37	6.6	10.0	--	7.1
16...	1138	1028	1028	80.0	37	6.6	9.5	--	7.2
16...	1140	1028	1028	90.0	38	6.7	9.0	--	7.2
16...	1142	1028	1028	100	38	6.7	8.5	--	6.7
16...	1144	1028	1028	110	39	6.7	8.0	--	6.1
16...	1146	1028	1028	120	40	6.6	7.5	--	5.0
16...	1148	1028	1028	130	40	6.6	7.0	--	4.6
16...	1149	1028	1028	140	40	6.6	7.0	--	4.4
16...	1150	1028	1028	143	41	6.6	7.0	--	4.3

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER-QUALITY RECORDS

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 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
OCT										
15...	1145	1028	1028	40	5.7	12.0	--	--	5.8	--
NOV										
05...	1215	1028	1028	40	6.0	13.5	--	--	9.4	--
DEC										
10...	1030	1028	1028	45	6.6	10.5	5	4.2	7.2	.4
JAN										
11...	1000	1028	1028	43	6.4	9.5	--	--	9.6	--
FEB										
12...	1100	1028	1028	44	6.9	7.0	--	--	11.5	--
MAR										
11...	1040	1028	1028	40	6.9	7.5	--	--	14.7	--
APR										
07...	1135	1028	1028	40	7.0	10.5	--	--	11.5	--
MAY										
13...	0745	1028	1028	50	7.4	10.5	0	1.1	10.6	1.0
JUN										
17...	1150	1028	1028	46	6.9	10.5	--	--	11.4	--
JUL										
14...	1150	1028	1028	37	7.4	16.0	--	--	11.0	--
AUG										
27...	0900	1028	1028	45	6.8	13.5	0	1.5	10.6	2.1
SEP										
16...	1020	1028	1028	41	7.3	15.0	--	--	11.6	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
10...	5	11	0	3.7	9	.5	.7	11	2.7	1.2
MAY										
13...	14	20	11	6.0	15	1.2	.6	9	4.9	1.3
AUG										
27...	6	16	0	5.0	12	.9	1.0	16	1.6	2.5

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
10...	.25	.020	.32	.34	.59	2.6	.010	.010	180
MAY									
13...	.30	.120	.24	.36	.66	2.9	.040	.030	30
AUG									
27...	.16	.060	.68	.74	.90	4.0	.050	.000	60

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
10...	1	50	3	180	4	120	.0	0	10
MAY									
13...	0	0	4	120	3	20	.0	5	20
AUG									
27...	0	0	3	90	5	30	.0	5	20

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft (488 m) downstream from Greers Ferry Dam, 3.0 mi (4.8 km) northeast of Heber Springs, and at mile 78.8 (126.8 km).

DRAINAGE AREA.--1,153 mi^2 (2,986 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

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

GAGE.--Water-stage recorder. Datum of gage is 261.78 ft (79.791 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 15, 1938, nonrecording gage at site 2.2 mi (3.5 km) upstream at datum 8.97 ft (2.734 m) higher and Dec. 15, 1938, to Sept. 30, 1960, water-stage recorder at site 1.8 mi (2.9 km) upstream at datum 10.03 ft (3.057 m) higher.

REMARKS.--Records good. Flow completely regulated since Mar. 30, 1962, by Greers Ferry Lake, capacity, 2,926,500 acre-ft (3.61 km^3). Some regulation Oct. 1, 1960, to Feb. 28, 1962, by construction of Greers Ferry Dam. A fish hatchery diverts about 20 ft^3/s (0.57 m^3/s) from Greers Ferry Lake and returns an equal amount downstream from the station.

AVERAGE DISCHARGE.--53 years, 1,764 ft^3s (50.0 m^3/s), 1,278,000 acre-ft/yr (1,580 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 117,000 ft^3/s (3,310 m^3/s) Jan. 25, 1949, gage height, 46.53 ft (14.182 m) in gage well and 46.9 ft (14.30 m) from outside gage, site and datum then in use; no flow at times in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Jan. 25, 1949. Flood in April 1927 reached a stage of 44.0 ft (13.41 m), original site and datum, discharge, 78,900 ft^3/s (2,230 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,290 ft^3/s (235 m^3/s) Sept. 8, gage height, 16.20 ft (4.938 m); minimum daily, 33 ft^3/s (0.93 m^3/s) Oct. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	385	45	1860	3400	56	60	1500	169	2090	1970	257
2	3080	256	45	3730	689	48	45	1280	2620	1160	1150	571
3	2810	45	1070	4230	789	1600	45	176	3180	829	277	773
4	3600	35	376	4970	2320	796	44	175	3140	262	726	2480
5	3550	35	256	3420	2050	587	44	172	3300	479	1710	337
6	2290	423	48	1610	2560	604	44	41	3710	448	1320	1140
7	1020	52	43	4810	2570	59	193	41	1100	1960	2060	421
8	2430	645	43	5260	3600	46	891	408	193	2160	3270	2480
9	1960	65	43	5350	2870	44	49	42	2850	2030	518	1420
10	2480	39	43	6710	2660	506	825	40	1870	1340	366	213
11	2230	41	40	5820	2440	46	237	159	3180	1190	499	939
12	4750	43	229	4960	2500	47	44	2930	3470	1540	1330	654
13	2420	515	46	3740	2360	480	50	2280	4360	1640	739	928
14	1560	56	44	3260	2080	57	2430	3840	1200	2190	538	364
15	1660	41	125	148	1920	44	1040	3120	2140	1470	1070	600
16	1590	40	43	1860	328	46	48	395	4680	1400	803	374
17	1470	84	1980	2820	1290	530	48	45	904	1330	270	232
18	1460	39	2500	3230	2750	201	1550	40	1520	1590	393	177
19	646	37	1580	2820	1530	55	76	725	2690	331	2390	1050
20	36	39	1480	2030	1060	47	44	2290	2130	305	2010	262
21	33	203	502	1460	54	45	3080	3370	178	262	2410	238
22	167	41	42	1950	48	45	3570	342	184	203	506	678
23	34	203	45	1750	46	47	3490	1910	2750	277	343	184
24	34	45	399	1400	43	534	3050	201	2420	972	276	259
25	34	42	44	744	1930	54	205	189	2860	833	1410	327
26	48	233	881	588	2730	570	53	1870	3630	658	2070	171
27	34	46	3720	58	1340	446	41	3720	3380	260	2440	195
28	35	43	2450	2230	56	70	4120	3250	2740	1360	1320	189
29	312	201	346	2170	590	46	4200	2630	451	2440	1550	201
30	171	50	59	1590	---	46	4310	3310	2110	3440	255	218
31	42	---	1630	2950	---	678	---	452	---	1600	263	---
TOTAL	44386	4022	20197	89528	48603	8480	33926	40943	69109	38049	36252	18332
MEAN	1432	134	652	2888	1676	274	1131	1321	2304	1227	1169	611
MAX	4750	645	3720	6710	3600	1600	4310	3840	4680	3440	3270	2480
MIN	33	35	40	58	43	44	41	40	169	203	255	171
AC-FT	88040	7980	40060	177600	96400	16820	67290	81210	137100	75470	71910	36360

CAL YR 1979 TOTAL 1065947 MEAN 2920 MAX 7580 MIN 33 AC-FT 2114000
WTR YR 1980 TOTAL 451827 MEAN 1235 MAX 6710 MIN 33 AC-FT 896200

07076200 LITTLE RED RIVER NEAR WILBURN, AR

LOCATION.--Lat 35°29'33", long 91°58'21", in SW 1/4 SW 1/4 sec.16, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, temperature recorder just upstream from bridge on State Highway 110, 4.0 mi (6.4 km) southwest of Wilburn.

DRAINAGE AREA.--1,196 mi^2 (3,098 km^2).

PERIOD OF RECORD.--April 1968 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April 1968 to current year.

INSTRUMENTATION.--Temperature recorder since April 1968.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Water-quality records were furnished by Arkansas Department of Pullution Control and Ecology, Little Rock, Ark. Temperature records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 21.0°C June 25, 1977; minimum daily, -0.5°C Dec. 26, 1975, Jan. 19-21, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1515	9827	9827	42	6.5	24.0	14.0	15	8.3	80
NOV										
13...	1445	9827	9827	43	6.6	10.0	9.0	15	11.1	96
DEC										
04...	1445	9827	9827	50	7.0	14.0	10.0	10	8.6	76
FEB										
05...	1430	9827	9827	40	6.9	4.0	7.0	5	11.0	90
26...	1445	9827	9827	40	7.1	6.0	7.0	10	11.9	98
MAR										
25...	1430	9827	9827	40	6.4	8.0	9.0	15	11.6	100
MAY										
06...	1430	9827	9827	44	7.1	29.0	16.0	5	11.4	114
20...	1425	9827	9827	45	7.0	26.0	14.0	5	11.8	113
JUN										
24...	1500	9827	9827	50	7.1	35.0	15.0	10	10.7	105
JUL										
22...	1450	9827	9827	--	7.1	32.0	17.0	15	11.1	114
AUG										
19...	1430	9827	9827	47	6.6	37.0	18.0	5	10.1	106
SEP										
16...	1450	9827	9827	46	6.9	34.0	16.0	--	9.5	95

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1515	<.1	4	17	4.6	1.1	1.5	.8	10	7.0	5.0
NOV											
13...	1445	--	4	--	--	--	--	--	--	3.0	4.0
DEC											
04...	1445	1.0	16	--	--	--	--	--	--	4.0	5.0
FEB											
05...	1430	1.3	<4	--	--	--	1.3	.8	13	4.0	4.0
26...	1445	.6	5	--	--	--	--	--	--	4.0	4.0
MAR											
25...	1430	1.4	19	--	--	--	--	--	--	5.0	2.0
MAY											
06...	1430	.4	4	--	--	--	--	--	12	2.5	9.0
20...	1425	--	4	--	--	--	--	--	--	--	3.0
JUN											
24...	1500	--	4	--	--	--	--	--	--	4.0	6.0
JUL											
22...	1450	2.3	12	--	5.0	1.0	2.0	.9	16	5.0	5.0
AUG											
19...	1430	1.4	36	--	--	--	--	--	--	9.0	5.0
SEP											
16...	1450	.5	40	--	--	--	--	--	--	5.0	7.0

07076200 LITTLE RED RIVER NEAR WILBURN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1515	--	2	.20	.010	.050	.030	<5	<10	9
NOV										
13...	1445	38	2	.15	.010	--	.010	--	<10	--
DEC										
04...	1445	48	7	.17	<.010	.060	.010	--	<10	--
FEB										
05...	1430	28	6	.10	.010	.050	.020	--	<10	<5
26...	1445	31	4	.11	.010	.040	.010	--	<10	--
MAR										
25...	1430	44	4	.12	.010	.020	--	--	<10	--
MAY										
06...	1430	28	--	.08	<.010	.020	.010	--	<10	--
20...	1425	33	10	.10	.010	.040	.010	--	<10	--
JUN										
24...	1500	90	--	.16	.010	.060	<.010	--	<10	--
JUL										
22...	1450	34	3	.07	<.010	.030	--	--	<10	--
AUG										
19...	1430	27	2	.08	.010	.050	.030	--	<10	--
SEP										
16...	1450	35	7	.15	.040	--	.010	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1515	<20	460	<10	170	30	--	--	--	--	--
NOV											
13...	1445	<20	1500	--	87	<10	.00	.00	.00	.00	.00
DEC											
04...	1445	<20	<30	--	<10	20	--	--	--	--	--
FEB											
05...	1430	<20	--	10	160	30	--	--	--	--	--
26...	1445	<20	260	--	140	20	--	--	--	--	--
MAR											
25...	1430	<20	310	--	97	10	--	--	--	--	--
MAY											
06...	1430	<20	270	--	100	30	--	--	--	--	--
20...	1425	<20	380	--	88	20	--	--	--	--	--
JUN											
24...	1500	<20	140	--	61	30	--	--	--	--	--
JUL											
22...	1450	<20	130	<10	45	30	--	--	--	--	--
AUG											
19...	1430	20	140	--	55	20	--	--	--	--	--
SEP											
16...	1450	20	60	--	110	40	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
13...	1445	.00	.00	.00	.00	0	.00

07076500 LITTLE RED RIVER AT PANGBURN, AR

LOCATION.--Lat 35°26'30", long 91°50'09", in NE 1/4 sec.3, T.9 N., R.8 W., White County, Hydrologic Unit 11010014, temperature recorder on right bank, 0.6 mi (1.0 km) downstream from bridge on secondary road, 1.0 mi (1.6 km) north of Pangburn, 8.6 mi (13.8 km) upstream from Fourteen Mile Creek, and 22.1 mi (35.6 km) downstream from Greers Ferry Dam.

DRAINAGE AREA.--1,235 mi^2 (3,199 km^2).

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

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

INSTRUMENTATION.--Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 23.5°C July 4, 1977; minimum daily, 1.0°C Jan. 1-4, 1977.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	---	---	---	---	18.5	14.5
2					---	---	---	---	12.0	9.0	20.0	18.0
3					---	---	---	---	13.0	11.0	20.0	18.5
4					15.0	11.5	---	---	15.0	12.0	18.5	12.0
5					15.5	12.0	---	---	16.0	14.0	12.0	8.5
6					14.0	11.5	---	---	15.0	9.5	---	---
7					15.0	11.5	---	---	13.5	11.0	---	---
8					16.0	12.0	---	---	11.5	9.0	---	---
9					15.5	13.5	18.5	15.0	10.0	8.0	---	---
10					16.5	13.5	17.0	14.0	13.5	10.0	---	---
11					17.0	14.5	18.5	14.0	16.0	13.5	---	---
12					16.5	14.0	18.5	15.0	17.0	15.0	---	---
13					16.5	14.0	19.5	16.0	15.0	10.5	---	---
14					18.0	14.0	20.5	18.0	13.5	11.0	---	---
15					19.5	15.5	---	---	15.0	11.5	---	---
16					18.5	15.5	---	---	18.0	12.0	---	---
17					20.0	15.5	---	---	20.0	17.0	---	---
18					18.0	16.5	---	---	17.0	9.0	---	---
19					18.0	15.0	---	---	12.0	9.0	---	---
20					17.0	14.5	---	---	11.5	8.5	---	---
21					19.5	15.5	---	---	14.0	11.0	---	---
22					19.5	16.5	---	---	15.0	13.0	---	---
23					17.0	15.5	---	---	15.5	14.0	---	---
24					19.5	15.5	---	---	17.0	14.0	---	---
25					18.0	15.5	---	---	18.5	16.0	---	---
26					17.0	15.0	---	---	18.0	11.0	---	---
27					17.0	14.0	---	---	11.5	8.5	---	---
28					19.0	14.5	---	---	11.0	8.0	---	---
29					20.0	17.0	---	---	12.0	9.5	---	---
30					19.5	19.5	---	---	12.0	9.5	---	---
31					---	---	---	---	15.0	11.5	---	---
MONTH					20.0	11.5	20.5	14.0	20.0	8.0	20.0	8.5

07076620 LITTLE RED RIVER NEAR SEARCY, AR

LOCATION.--Lat 35°16'57", long 91°43'05", in SE 1/4 sec.26, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, temperature recorder on right bank near waterworks tower, 2.5 mi (4.0 km) northeast of Searcy, 12.8 mi (20.6 km) downstream from Ten Mile Creek, and 23.4 mi (37.7 km) upstream from Big Mingo Creek.

DRAINAGE AREA.--1,648 mi^2 (4,268 mi^2).

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

INSTRUMENTATION.--Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 30.0°C July 5; minimum daily, 0.0°C on several days in 1967, 1977, and and 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 25.5°C Jul. 7; minimum daily, 1.0°C Dec. 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	15.0	13.0	16.0	15.0	5.0	4.5	6.5	5.5	5.0	4.0	4.5	4.0
2	14.5	13.5	15.0	14.5	4.5	3.5	7.0	6.0	5.5	5.0	4.5	3.5
3	13.5	12.0	14.5	13.5	3.5	3.0	8.5	7.0	5.5	4.5	5.0	4.0
4	13.5	13.0	13.5	12.0	3.5	3.0	8.0	8.0	4.0	4.0	5.5	4.5
5	13.0	11.5	12.0	11.5	---	---	8.5	8.0	5.5	4.0	6.5	5.5
6	11.5	10.5	12.0	11.5	---	---	8.0	7.0	5.5	5.0	8.0	6.5
7	11.5	11.0	11.5	11.0	---	---	8.0	6.5	5.0	5.0	9.0	8.0
8	13.5	11.5	11.5	11.0	---	---	8.0	6.5	5.0	4.5	10.0	8.5
9	13.5	13.0	11.0	10.5	---	---	7.0	7.0	5.0	4.0	10.5	9.0
10	13.0	11.5	10.5	9.5	---	---	8.0	7.0	5.0	4.5	10.5	9.5
11	11.5	11.0	9.5	9.0	---	---	8.5	8.0	5.0	4.5	9.5	9.0
12	13.0	11.5	9.0	8.5	---	---	8.5	7.0	5.0	4.5	9.0	8.5
13	13.0	11.5	8.5	8.0	6.0	5.0	7.0	6.5	5.0	4.5	9.0	8.0
14	11.5	11.0	8.0	7.0	5.5	4.5	7.0	6.5	6.0	5.0	9.5	8.0
15	12.0	11.0	8.0	6.5	5.0	4.5	8.0	7.0	6.5	6.0	9.5	8.0
16	13.0	11.5	7.0	7.0	4.5	3.5	9.0	8.0	6.5	5.5	9.5	9.5
17	13.5	13.0	8.5	7.0	3.5	2.0	9.0	8.5	5.5	3.5	9.5	8.5
18	14.0	13.0	9.0	7.0	4.5	1.0	8.5	8.0	4.0	3.0	9.0	8.5
19	14.0	13.5	10.5	8.5	6.5	4.5	8.5	7.0	5.0	4.0	9.5	9.0
20	15.0	14.0	11.0	9.5	8.0	6.5	8.5	8.0	5.5	5.0	10.0	9.0
21	16.5	15.0	11.5	10.5	8.5	7.0	8.5	8.0	7.0	5.5	10.5	9.5
22	16.5	16.0	11.5	11.5	9.0	8.5	8.0	6.5	8.5	7.0	10.0	10.0
23	16.0	15.0	11.5	10.5	9.5	9.0	6.5	6.5	9.5	8.0	10.0	9.5
24	15.0	14.5	10.5	9.5	10.0	9.0	6.5	6.0	9.5	8.5	10.0	9.5
25	16.0	15.0	9.0	8.5	9.0	8.0	7.0	6.5	9.0	8.0	9.5	9.0
26	16.0	14.5	8.5	8.0	8.0	6.5	7.0	7.0	8.0	6.5	9.0	8.5
27	16.5	14.5	8.5	8.0	6.5	6.5	7.0	6.0	6.5	5.5	10.5	9.0
28	15.5	15.0	8.5	7.0	8.5	6.5	6.0	5.5	8.0	6.0	10.5	10.5
29	16.0	14.5	7.0	6.0	8.0	7.0	5.5	4.5	8.0	7.0	10.5	10.0
30	16.0	15.0	6.0	5.0	7.0	7.0	5.0	5.0	---	---	10.0	9.5
31	16.0	15.0	---	---	7.0	6.5	5.0	4.0	---	---	11.0	9.5
MONTH	16.5	10.5	16.0	5.0	10.0	1.0	9.0	4.0	9.5	3.0	11.0	3.5

WHITE RIVER BASIN

07076620 LITTLE RED RIVER NEAR SEARCY, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.0	11.0	10.5	9.5	---	---	---	---	---	---		
2	14.0	13.0	11.0	9.5	---	---	---	---	---	---		
3	14.5	14.0	12.0	11.0	---	---	15.5	14.0	---	---		
4	14.5	14.0	14.5	11.5	---	---	18.5	15.5	---	---		
5	14.5	14.0	16.0	14.0	---	---	21.5	18.0	20.0	17.0		
6	15.0	14.0	18.0	15.0	---	---	22.0	20.0	20.0	19.0		
7	15.0	13.5	19.0	16.5	---	---	25.5	21.5	19.0	16.5		
8	14.0	13.0	19.0	18.0	---	---	24.5	19.0	16.5	15.0		
9	13.5	13.0	19.5	18.0	---	---	19.0	15.0	15.0	11.5		
10	14.0	13.5	20.0	17.0	---	---	15.5	14.5	14.5	11.5		
11	14.0	13.5	21.5	19.5	---	---	15.5	14.5	20.5	14.0		
12	---	---	20.0	19.5	14.5	11.0	17.0	15.5	21.0	19.5		
13	---	---	19.5	13.0	16.0	13.5	18.0	16.5	20.0	18.0		
14	---	---	14.0	13.0	13.5	9.5	---	---	19.0	17.0		
15	---	---	13.5	9.5	---	---	---	---	19.5	18.5		
16	---	---	14.0	10.0	---	---	15.5	14.5	20.0	19.0		
17	12.0	11.0	16.0	14.0	---	---	16.5	15.5	20.5	19.0		
18	13.5	12.0	18.5	16.0	---	---	16.5	15.5	---	---		
19	14.5	13.0	19.0	18.0	13.0	11.0	15.5	15.0	---	---		
20	14.5	13.5	20.0	18.5	12.0	10.5	18.5	15.5	---	---		
21	16.0	14.0	20.0	13.0	12.0	10.5	---	---	13.5	13.5		
22	16.5	11.5	13.0	10.0	14.5	11.5	---	---	14.0	13.5		
23	11.5	10.5	15.0	11.0	18.0	14.5	---	---	15.0	13.0		
24	11.5	10.5	15.5	14.5	19.0	13.5	---	---	18.0	14.5		
25	11.0	10.0	16.5	14.5	13.5	13.0	---	---	20.5	16.5		
26	11.0	11.0	19.5	16.5	13.0	11.5	---	---	21.0	19.0		
27	12.0	11.0	20.0	18.0	---	---	---	---	19.5	13.5		
28	14.0	12.0	18.0	11.0	---	---	---	---	13.5	12.0		
29	14.0	10.0	---	---	---	---	---	---	---	---		
30	10.5	9.5	---	---	---	---	---	---	---	---		
31	---	---	---	---	---	---	---	---	---	---		
MONTH	16.5	9.5	21.5	9.5	19.0	9.5	25.5	14.0	21.0	11.5		

07076634 LITTLE RED RIVER AT JUDSONIA, AR

LOCATION.--Lat 35°15'48", long 91°38'12", in NW 1/4 NW 1/4 sec.3, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, on county road, 0.3 mi (0.5 km) south of Judsonia, and 0.5 mi (0.8 km) downstream from Corley Branch.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24...	0730	9827	9827	--	7.2	6.0	14.0	10	8.6	83
NOV 20...	1545	9827	9827	83	7.8	23.0	13.0	30	10.5	99
DEC 18...	1500	9827	9827	--	6.9	6.0	4.0	25	--	--
JAN 22...	1545	9827	9827	53	6.8	11.0	8.0	20	11.0	92
FEB 20...	1430	9827	9827	55	7.3	9.0	7.0	10	11.1	91
MAR 18...	1600	9827	9827	54	7.0	16.0	10.0	80	10.4	92
APR 15...	1730	9827	9827	--	6.8	21.0	11.0	50	10.5	95
MAY 20...	1615	9827	9827	52	6.8	25.0	21.0	30	8.5	94
JUN 17...	1615	9827	9827	47	6.9	22.0	13.0	15	10.1	95
JUL 16...	0800	9827	9827	--	7.1	29.0	17.0	20	9.7	100
AUG 13...	0800	9827	9827	--	7.4	29.0	21.0	5	9.0	100
SEP 16...	0900	9827	9827	54	7.3	21.0	20.0	--	8.5	87

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 24...	0730	.3	--	130	34	10	1.7	1.0	--	5.0	4.0
NOV 20...	1545	1.4	<4	--	--	--	--	--	--	4.5	4.0
DEC 18...	1500	3.5	<24	--	--	--	--	--	--	7.0	7.0
JAN 22...	1545	--	170	--	4.0	2.0	2.5	1.0	14	4.5	5.0
FEB 20...	1430	.8	16	--	--	--	--	--	--	4.0	--
MAR 18...	1600	2.3	--	--	--	--	--	--	--	6.0	4.0
APR 15...	1730	1.1	>880	14	3.0	1.2	3.1	1.0	12	4.5	5.0
MAY 20...	1615	1.7	36	--	--	--	--	--	--	6.0	4.0
JUN 17...	1615	1.5	390	--	--	--	--	--	--	--	4.0
JUL 16...	0800	1.3	<4	--	5.0	1.7	2.0	.9	17	5.5	--
AUG 13...	0800	1.3	--	--	--	--	--	--	--	4.0	--
SEP 16...	0900	1.0	8	--	--	--	--	--	--	4.5	8.0

07076634 LITTLE RED RIVER AT JUDSONIA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 24...	0730	33	9	.19	.010	.060	.040	<5	<10	<5
NOV 20...	1545	73	11	.16	.090	.190	.180	--	<10	--
DEC 18...	1500	44	6	.24	.010	.080	.050	--	<10	--
JAN 22...	1545	43	15	--	.010	.070	<.010	--	<10	--
FEB 20...	1430	32	14	.19	.010	--	.020	--	<10	--
MAR 18...	1600	71	24	.39	.040	--	.120	--	<10	--
APR 15...	1730	48	25	.22	.010	.040	.080	1	<10	3
MAY 20...	1615	49	17	.28	.010	.070	.070	--	<10	--
JUN 17...	1615	--	16	--	<.010	.040	.040	--	<10	--
JUL 16...	0800	6	--	--	.010	.060	.030	--	<10	--
AUG 13...	0800	28	4	.02	<.010	.100	.020	--	--	--
SEP 16...	0900	34	18	.07	.060	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 24...	0730	110	510	<10	160	90	--	--	--	--	--
NOV 20...	1545	90	830	--	280	<10	--	--	--	--	--
DEC 18...	1500	<20	970	--	230	<10	--	--	--	--	--
JAN 22...	1545	30	920	30	260	30	.00	.00	.00	.00	.00
FEB 20...	1430	30	430	--	180	40	--	--	--	--	--
MAR 18...	1600	40	1900	--	220	40	--	--	--	--	--
APR 15...	1730	20	870	<10	130	30	--	--	--	--	--
MAY 20...	1615	40	970	--	250	50	--	--	--	--	--
JUN 17...	1615	20	--	--	230	20	--	--	--	--	--
JUL 16...	0800	20	--	70	220	50	--	--	--	--	--
SEP 16...	0900	30	260	--	170	30	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1545	.00	.00	.00	.00	0	.00

07076750 WHITE RIVER AT GEORGETOWN, AR

LOCATION.--Lat 35°07'36", long 91°26'52", in sec.20, T.6 N., R.4 W., White County, Hydrologic Unit 08020301, at National Weather Service gaging station on right bank at Georgetown, 9.2 mi (14.8 km) downstream from Little Red River, and at mile 173.2 (278.7 km).

DRAINAGE AREA.--22,387 mi^2 (57,982 km^2).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1966 to June 1974, March 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 29.5°C July 31, August 2, 11, 1980; minimum, freezing point Jan. 9, 10, 1970.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum 29.5°C Jul. 31, Aug. 2, 11; minimum, 3.5°C Feb. 3-5, 10-12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	20.5			---	---	8.0	7.0	4.5	4.5	9.0	7.0
2	21.0	20.5			---	---	8.0	7.0	4.5	4.0	7.0	6.0
3	20.5	20.0			---	---	7.0	7.0	4.0	3.5	6.0	6.0
4	20.5	20.0			---	---	7.0	6.5	4.0	3.5	6.5	6.0
5	20.0	19.0			---	---	7.0	7.0	4.5	3.5	6.5	6.5
6	19.0	18.0			---	---	7.0	6.5	5.0	4.5	6.5	6.0
7	18.0	17.0			---	---	6.5	6.5	4.5	4.5	7.0	6.5
8	18.5	17.0			7.0	6.0	---	---	4.5	4.0	8.0	7.0
9	18.0	16.5			7.0	6.5	---	---	4.0	4.0	8.5	8.0
10	16.5	16.0			6.5	6.5	---	---	4.0	3.5	9.5	8.5
11	17.0	16.5			8.0	6.5	---	---	3.5	3.5	9.5	9.0
12	18.0	17.0			8.0	7.0	---	---	4.0	3.5	9.5	9.0
13	18.0	16.0			8.5	8.0	---	---	5.0	4.0	10.5	9.5
14	16.0	16.0			8.0	8.0	---	---	5.5	5.0	10.0	10.0
15	16.0	15.5			8.0	8.0	---	---	6.0	5.5	10.0	9.5
16	16.5	15.5			8.0	7.0	---	---	6.0	5.0	10.0	9.5
17	16.5	16.5			---	---	---	---	5.5	5.0	10.0	9.5
18	17.0	16.5			---	---	---	---	5.5	5.5	10.5	10.0
19	18.5	17.0			---	---	---	---	6.0	5.5	10.5	10.0
20	18.5	18.0			---	---	---	---	---	---	11.0	10.5
21	18.5	18.5			---	---	---	---	6.0	6.0	11.0	10.5
22	19.0	18.5			---	---	---	---	6.5	6.0	11.0	11.0
23	---	---			---	---	---	---	7.0	6.5	11.0	11.0
24	---	---			---	---	8.5	8.0	8.5	7.0	11.5	11.0
25	---	---			---	---	8.5	8.0	8.5	8.0	11.5	11.5
26	---	---			---	---	8.0	8.0	8.5	8.5	11.5	11.0
27	---	---			---	---	8.0	8.0	9.0	8.5	11.0	11.0
28	---	---			---	---	8.0	6.5	10.0	9.0	11.0	11.0
29	---	---			---	---	6.5	6.0	9.5	9.0	11.0	11.0
30	---	---			---	---	6.0	5.5	---	---	11.5	11.0
31	---	---			---	---	5.5	4.5	---	---	11.5	11.0
MONTH	21.0	15.5			8.5	6.0	8.5	4.5	10.0	3.5	11.5	6.0

07076750 WHITE RIVER AT GEORGETOWN, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.0	11.5	16.5	16.0	24.0	22.0	24.5	23.5	28.5	27.0	27.5	26.5
2	13.0	12.0	17.0	16.0	24.5	24.0	24.5	23.5	29.5	28.0	28.0	27.0
3	13.5	13.0	18.0	16.5	24.5	24.0	26.5	24.0	28.5	27.0	28.0	27.0
4	14.0	13.5	18.5	17.0	25.0	24.0	27.0	26.0	27.0	26.0	28.0	27.5
5	14.5	14.0	19.0	18.0	25.0	25.0	26.5	26.0	26.0	25.5	---	---
6	15.0	14.5	18.5	18.5	25.0	22.0	27.0	26.0	26.0	25.5	---	---
7	15.5	15.0	18.5	17.0	23.0	22.0	---	---	26.5	25.5	---	---
8	16.0	15.5	19.0	17.0	23.5	22.0	---	---	28.5	26.5	---	---
9	16.0	16.0	19.5	18.5	23.5	22.0	---	---	29.0	27.5	---	---
10	16.0	16.0	19.5	19.0	22.0	21.0	---	---	29.0	27.5	---	---
11	16.0	16.0	20.5	19.5	22.0	21.0	28.5	27.5	29.5	28.0	---	---
12	16.0	16.0	20.5	20.0	22.0	21.0	28.0	26.0	28.0	27.5	---	---
13	16.0	14.5	20.0	19.5	23.0	22.0	26.5	25.0	27.5	26.5	---	---
14	14.5	14.0	21.0	20.0	23.0	21.0	25.5	25.5	27.0	26.0	---	---
15	14.0	13.0	21.0	20.0	23.5	21.0	25.0	25.5	28.0	27.0	---	---
16	13.5	13.0	20.0	19.5	24.5	23.5	25.5	25.5	27.0	26.5	---	---
17	13.5	13.0	20.0	19.0	24.0	22.0	26.0	25.0	26.5	26.0	---	---
18	13.5	13.0	19.5	18.5	24.5	22.0	25.0	24.0	27.0	26.0	---	---
19	14.0	13.5	18.5	18.0	24.0	23.0	25.0	24.0	28.0	27.0	---	---
20	15.0	14.0	18.5	18.0	23.0	21.0	25.5	24.0	28.0	28.0	---	---
21	16.5	15.0	18.5	18.0	22.0	21.0	25.0	24.5	28.0	27.5	---	---
22	18.0	16.5	19.5	18.5	24.5	23.0	25.5	25.5	28.0	27.5	---	---
23	18.5	18.0	20.0	19.5	24.0	23.0	26.0	25.0	27.5	27.0	---	---
24	19.5	18.5	20.0	19.0	24.0	23.0	26.5	26.0	27.5	27.0	---	---
25	19.5	18.0	20.0	19.0	24.0	23.0	27.0	26.0	27.0	26.5	---	---
26	18.0	18.0	20.5	20.0	26.0	24.0	27.0	26.5	27.5	27.0	---	---
27	18.0	17.0	21.0	20.5	26.5	25.5	28.0	27.0	27.0	26.0	---	---
28	17.0	16.5	21.5	21.0	26.5	25.5	28.5	27.0	26.5	26.0	---	---
29	17.0	16.5	23.0	21.5	26.5	24.5	28.5	27.5	26.5	26.0	---	---
30	16.5	16.5	23.0	22.0	25.5	24.5	29.0	27.5	26.5	25.5	---	---
31	---	---	23.5	22.0	---	---	29.5	28.0	26.5	25.5	---	---
MONTH	19.5	11.5	23.5	16.0	26.5	21.0	29.5	23.5	29.5	25.5	28.0	26.5

0707700 WHITE RIVER AT DEVALLS BLUFF, AR

LOCATION.--Lat 34°47'25", long 91°26'45", in SE 1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi (1.6 km) northeast of DeValls Bluff, 7.5 mi (12.1 km) downstream from Wattensaw Bayou, 24.1 mi (38.8 km) upstream from Cache River, and at mile 125.3 (201.6 km).

DRAINAGE AREA.--23,483 mi^2 (60,821 km^2).

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	0910	9827	9827	235	8.0	17.0	20.0	15	9.1	99	--
30...	1540	9827	9827	--	8.1	19.0	17.0	5	10.0	103	--
NOV											
27...	0920	9827	9827	290	7.9	11.0	11.0	--	9.7	87	--
FEB											
05...	0945	9827	9827	298	8.1	1.0	3.0	10	12.9	96	--
26...	1505	9827	9827	238	7.9	5.0	7.0	20	11.6	95	--
MAR											
25...	1445	9827	9827	176	7.5	10.0	10.0	90	9.8	87	--
APR											
22...	1420	9827	9827	218	7.7	32.0	18.0	40	9.5	100	--
MAY											
20...	0900	9827	9827	242	7.9	17.0	20.0	25	9.0	98	--
JUL											
01...	1430	9827	9827	--	8.2	37.0	26.0	40	8.9	109	--
22...	1505	9827	9827	--	8.2	31.0	25.0	15	8.9	106	--
AUG											
19...	0945	9827	9827	--	8.3	28.0	27.0	10	8.9	110	--
SEP											
16...	1430	9827	9827	298	8.6	37.0	26.0	--	9.3	113	7

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	0910	1.1	24	120	27	13	2.7	2.0	120	6.0	5.0
30...	1540	1.9	44	--	--	--	--	--	--	6.0	9.0
NOV											
27...	0920	2.0	80	--	--	--	--	--	--	9.5	3.0
FEB											
05...	0945	3.6	8	--	--	--	3.0	1.0	150	6.0	6.0
26...	1505	1.5	13	--	--	--	--	--	--	5.0	6.0
MAR											
25...	1445	2.2	180	--	--	--	--	--	--	5.0	5.0
APR											
22...	1420	3.4	20	110	25	10	2.1	2.0	95	4.5	5.0
MAY											
20...	0900	1.8	100	--	--	--	--	--	--	7.0	5.0
JUL											
01...	1430	3.0	8	--	--	--	--	--	--	6.5	3.0
22...	1505	3.1	44	--	34	14	4.0	--	150	11	7.0
AUG											
19...	0945	4.0	<4	--	--	--	--	--	--	7.5	6.0
SEP											
16...	1430	3.3	8	--	--	--	--	--	--	8.5	2.0

07077000 WHITE RIVER AT DEVALLS BLUFF, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	0910	143	28	.22	.010	.140	.040	<5	<10	<5
30...	1540	159	40	.20	<.010	.050	.060	--	<10	--
NOV										
27...	0920	168	16	.36	<.010	.080	.070	--	<10	--
FEB										
05...	0945	170	13	.19	<.010	.060	--	--	<10	10
26...	1505	150	32	.32	.010	.050	.090	--	<10	--
MAR										
25...	1445	154	60	.25	--	.060	.130	--	<10	--
APR										
22...	1420	144	26	.17	.020	.030	.080	5	<10	10
MAY										
20...	0900	143	24	.22	.010	.040	.040	--	<10	--
JUL										
01...	1430	146	28	.24	.010	.040	.070	--	<10	--
22...	1505	--	--	.11	.010	.090	.110	--	<10	--
AUG										
19...	0945	155	26	<.01	.010	.040	.040	--	<10	--
SEP										
16...	1430	156	17	.03	.040	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	0910	<20	750	<10	89	20	--	--	--	--	--
30...	1540	<20	1200	--	280	<10	.00	.00	.00	.00	.00
NOV											
27...	0920	<20	1600	--	150	20	--	--	--	--	--
FEB											
05...	0945	<20	--	<10	55	<10	--	--	--	--	--
26...	1505	<20	1500	--	93	10	--	--	--	--	--
MAR											
25...	1445	<20	2700	--	88	<10	--	--	--	--	--
APR											
22...	1420	<20	2000	<10	100	<10	--	--	--	--	--
MAY											
20...	0900	<20	1400	--	56	<10	--	--	--	--	--
JUL											
01...	1430	<20	380	--	86	<10	--	--	--	--	--
22...	1505	<20	--	<10	--	--	--	--	--	--	--
AUG											
19...	0945	<20	360	--	64	<10	--	--	--	--	--
SEP											
16...	1430	<20	220	--	54	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1540	.00	.00	.00	.00	0	.00

07077380 CACHE RIVER AT EGYPT, AR

LOCATION.--Lat 35°51'28", long 90°56'00", in NW 1/4 SE 1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi (1.6 km) southeast of Egypt, 2.2 mi (3.5 km) northwest of Winesburg, and at mile 143 (230 km).

DRAINAGE AREA.--701 mi^2 (1,816 km^2).

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft (67.967 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 841 ft^3/s (23.8 m^3/s), 16.29 in/yr (414 mm/yr), 609,300 acre-ft/yr (751 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s (253 m^3/s) Jan. 6, 1966, gage height, 21.88 ft (6.669 m); minimum, 8.0 ft^3/s (0.23 m^3/s) Oct. 21, 22, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,620 ft^3/s (74.2 m^3/s) Dec. 25, gage height, 15.82 ft (4.822 m); minimum, 15 ft^3/s (0.42 m^3/s) June 12, gage height, 3.03 ft (0.924 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	108	332	512	43	274	1700	89	73	106	264	162
2	188	89	242	424	44	206	1360	81	230	94	210	157
3	151	54	170	353	45	167	1110	79	191	95	181	161
4	121	44	120	420	39	153	962	77	110	89	164	171
5	103	28	92	384	37	145	789	76	71	74	151	180
6	86	22	78	291	40	142	636	74	55	82	151	185
7	72	20	67	227	39	148	551	73	35	75	148	181
8	65	18	59	193	41	129	1520	72	25	66	144	173
9	60	23	49	160	39	114	1630	72	19	57	136	168
10	55	85	43	134	40	103	1420	71	18	63	136	157
11	50	174	37	830	43	87	1200	71	19	70	148	137
12	45	177	89	1520	42	84	986	70	17	67	135	131
13	40	146	853	1410	46	95	1050	88	21	56	130	133
14	40	106	1350	1080	53	99	2030	157	26	59	157	131
15	35	72	1290	715	401	92	2100	95	39	61	188	110
16	30	52	1060	566	1750	289	1760	130	37	62	219	106
17	30	39	731	561	1830	1960	1460	96	53	65	253	135
18	25	29	510	489	1600	2540	1120	75	85	63	251	201
19	21	23	410	366	1370	2260	771	72	121	76	216	240
20	22	27	354	253	1120	1900	600	71	132	89	210	224
21	19	34	300	183	896	1670	509	70	138	96	196	174
22	19	541	241	143	745	1460	439	69	154	109	165	149
23	24	1210	295	118	640	1200	348	78	185	106	145	222
24	31	1290	2260	99	576	1010	239	145	439	119	140	357
25	27	1100	2600	85	539	945	185	172	842	117	138	496
26	21	1540	2390	74	501	783	153	126	675	123	126	427
27	19	1500	2040	68	461	618	130	81	419	128	123	296
28	31	1160	1740	59	425	688	114	69	271	152	132	216
29	97	749	1400	53	359	966	108	66	194	291	148	176
30	54	470	949	48	---	1870	102	77	142	355	158	133
31	41	---	647	46	---	2040	---	87	---	329	169	---
TOTAL	1865	10930	22798	11864	13804	24237	27082	2729	4836	3394	5232	5889
MEAN	60.2	364	735	383	476	782	903	88.0	161	109	169	196
MAX	243	1540	2600	1520	1830	2540	2100	172	842	355	264	496
MIN	19	18	37	46	37	84	102	66	17	56	123	106
CFSM	.09	.52	1.05	.55	.68	1.12	1.29	.13	.23	.16	.24	.28
IN.	.10	.58	1.21	.63	.73	1.29	1.44	.14	.26	.18	.28	.31
AC-FT	3700	21680	45220	23530	27380	48070	53720	5410	9590	6730	10380	11680

CAL YR 1979 TOTAL 518977 MEAN 1422 MAX 7500 MIN 18 CFSM 2.03 IN 27.54 AC-FT 1029000
WTR YR 1980 TOTAL 134660 MEAN 368 MAX 2600 MIN 17 CFSM .53 IN 7.15 AC-FT 267100

07077400 CACHE RIVER NEAR CASH, AR

LOCATION.--Lat 35°47'48", long 90°58'54", in SE 1/4 SE 1/4 sec.33, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 2.5 mi (4.0 km) west of Cash.

DRAINAGE AREA.--735 mi^2 (1,904 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1910	9827	9827	228	7.8	22.0	19.0	30	7.2	77	38
30...	1638	9827	9827	--	7.2	18.0	17.0	50	4.2	43	42
NOV											
20...	1015	9827	9827	--	7.5	20.0	15.0	120	6.8	67	27
JAN											
29...	1545	9827	9827	132	7.4	-1.0	2.0	400	11.6	84	27
FEB											
26...	1600	9827	9827	89	7.3	3.0	6.0	200	10.7	86	45
MAR											
25...	1305	9827	9827	86	7.1	9.0	10.0	960	9.3	82	48
APR											
22...	0820	9827	9827	--	6.9	24.0	20.0	200	7.5	82	31
MAY											
20...	1330	9827	9827	202	7.6	28.0	22.0	100	8.5	97	--
JUN											
24...	1250	9827	9827	288	7.6	35.0	27.0	100	6.5	80	40
JUL											
22...	1135	9827	9827	--	8.7	29.0	29.0	60	12.2	156	37
AUG											
19...	1415	9827	9827	436	--	38.0	30.0	40	7.8	103	13

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1910	2.2	510	100	22	9.4	14	7.0	100	12	5.0
30...	1638	--	190	--	--	--	--	--	--	7.5	16
NOV											
20...	1015	3.1	32	--	--	--	--	--	--	19	16
JAN											
29...	1545	1.7	100	--	10	5.0	8.7	4.0	45	9.0	20
FEB											
26...	1600	2.7	<50	--	--	--	--	--	--	8.0	15
MAR											
25...	1305	4.7	--	--	--	--	--	--	--	6.0	23
APR											
22...	0820	4.2	--	46	7.9	3.6	4.5	4.0	24	4.5	18
MAY											
20...	1330	6.1	--	--	--	--	--	--	--	12	8.0
JUN											
24...	1250	--	190	--	--	--	--	--	--	13	14
JUL											
22...	1135	8.2	--	--	39	15	23	3.0	200	18	16
AUG											
19...	1415	4.2	--	--	--	--	--	--	--	16	4.0

07077400 CACHE RIVER NEAR CASH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1910	159	518	.13	.010	.060	.50	.510	6	<10	9
30...	1638	189	87	.05	.030	.160	.19	--	--	--	--
NOV											
20...	1015	226	106	.36	.030	.210	1.1	.470	--	--	--
JAN											
29...	1545	242	48	.13	.170	--	.80	.420	--	<10	20
FEB											
26...	1600	193	302	.39	--	.210	2.9	.490	--	--	--
MAR											
25...	1305	381	139	--	--	.140	2.0	.560	--	--	--
APR											
22...	0820	210	122	<.01	.180	.170	1.4	.360	7	<10	--
MAY											
20...	1330	155	112	.67	.080	.680	--	.520	--	--	--
JUN											
24...	1250	--	314	.41	.080	.170	--	.420	--	--	--
JUL											
22...	1135	292	--	.03	.010	.060	3.4	.470	--	<10	--
AUG											
19...	1415	--	92	.24	.030	.080	1.4	.190	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1910	20	5500	<10	840	40	.00	.00	.00	.00	.00
JAN											
29...	1545	30	5300	120	230	70	--	--	--	--	--
FEB											
26...	1600	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	0820	<20	6100	<10	160	20	--	--	--	--	--
JUN											
24...	1250	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
22...	1135	<20	1800	<10	37	20	.00	.00	.00	.00	.00
AUG											
19...	1415	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1910	.00	.00	.00	.00	0	.00
FEB							
26...	1600	.00	.00	.00	.00	2	.00
JUN							
24...	1250	.00	.00	.00	.00	0	.00
JUL							
22...	1135	.00	.00	.00	.00	0	.00
AUG							
19...	1415	.00	.00	.00	.00	0	.00

07077500 CACHE RIVER AT PATTERSON, AR

LOCATION.--Lat 35°16'10", long 91°14'15", in SE 1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi (17.5 km) upstream from Maple Slough, and at mile 77.2 (124.2 km).

DRAINAGE AREA.--1,037 mi^2 (2,686 km^2).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
04...	1200	1028	1028	177	7.9	30.0	37	6.2	81	2.9	110	K510
NOV												
08...	1030	1028	1028	241	7.6	11.5	29	7.7	70	2.4	180	210
29...	1030	1028	1028	156	7.1	6.0	79	8.2	66	4.1	290	K900
JAN												
03...	1015	1028	1028	95	7.0	4.5	280	10.0	77	--	--	--
24...	1030	1028	1028	92	7.2	5.0	310	10.4	81	--	--	--
FEB												
27...	1100	1028	1028	114	7.6	5.0	130	9.5	74	--	--	--
MAR												
26...	1030	1028	1028	75	7.1	7.0	330	9.2	75	--	--	--
MAY												
21...	1200	1028	80020	111	7.1	22.0	220	4.5	51	--	--	--
JUL												
10...	1300	1028	80020	317	7.4	31.0	66	1.5	20	--	--	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT												
04...	60	0	15	5.5	8.8	23	.5	4.0	62	11	6.5	.1
NOV												
08...	92	0	23	8.4	13	31	.6	5.4	94	12	12	.2
29...	50	11	12	4.8	9.4	26	.6	6.3	39	15	13	.1
JAN												
03...	27	2	6.3	2.8	6.7	41	.6	4.1	25	13	7.0	.1
24...	32	6	7.5	3.2	8.1	33	.6	3.5	26	10	6.2	.1
FEB												
27...	27	9	6.7	2.5	6.3	31	.5	3.1	18	16	5.7	.1
MAR												
26...	24	8	5.9	2.3	5.8	31	.5	2.8	16	20	7.8	.0
MAY												
21...	38	6	9.5	3.4	5.5	22	.4	2.9	32	11	4.6	.1
JUL												
10...	120	10	30	11	18	24	.7	3.8	110	26	12	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
OCT												
04...	12	109	101	.15	.06	.04	.030	.000	.04	.00	.97	.60
NOV												
08...	14	139	145	.19	.13	.12	.050	.020	.06	.03	.95	.72
29...	13	104	97	.14	.07	.09	.120	.020	.15	.03	1.2	.89
JAN												
03...	9.5	77	65	.10	.11	.11	.140	.040	.17	.05	1.9	1.2
24...	8.4	78	64	.11	.22	.20	.170	.080	.21	.10	.93	.87
FEB												
27...	7.4	84	62	.11	.76	.81	.170	.180	.21	.23	1.1	1.0
MAR												
26...	7.1	72	64	.10	.50	.52	.290	.250	.35	.32	1.8	1.3
MAY												
21...	18	84	75	.11	.35	.28	.100	.250	.12	.32	2.2	1.1
JUL												
10...	15	211	183	.29	.10	.12	.110	.140	.13	.18	1.8	.96

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, DISSOLVED (MG/L AS N) (00602)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)
OCT												
04...	1.0	.40	.60	1.1	.64	4.7	.130	.40	.120	--	6.7	1.6
NOV												
08...	1.0	.26	.74	1.1	.86	5.0	.130	.40	.050	--	--	--
29...	1.3	.39	.91	1.4	1.0	6.1	.280	.86	.130	--	--	--
JAN												
03...	2.0	.80	1.2	2.1	1.3	9.3	.290	.89	.060	15	--	--
24...	1.1	.15	.95	1.3	1.2	5.8	.370	1.1	.060	--	--	--
FEB												
27...	1.3	.10	1.2	2.1	2.0	9.1	.230	.71	.080	--	--	--
MAR												
26...	2.1	.60	1.5	2.6	2.0	12	.390	1.2	.090	--	--	--
MAY												
21...	2.3	1.0	1.3	2.7	1.6	12	.250	.77	.070	--	--	--
JUL												
10...	1.9	.80	1.1	2.0	1.2	8.9	.260	.80	.090	16	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT										
04...	1200	2	1	1	0	0	70	0	0	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT										
04...	10	10	0	0	<3	2	1	1	1100	70

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT									
04...	4	4	0	150	130	20	.1	.1	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
04...	0	0	0	0	0	0	10	5	5

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)
OCT												
04...	1200	.00	4	.00	.0	.0	0	.00	9.0	.00	9.2	.00

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)
OCT 04...	.0	.00	.0	.00	1.2	.00	.00	.3	.00	.0	.00	.0

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)
OCT 04...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 04...	.00	.00	.0	.00	0	0	.00	.0	.07	.10	.00

07077600 CACHE RIVER AT BRASFIELD, AR

LOCATION.--Lat 34°49'52", long 91°22'42", in NW 1/4 SE 1/4 sec.36, T.3 N., R.4 W., at Monroe-Prairie County line, Hydrologic Unit 08020302, at bridge on U.S. Highway 70 at Brasfield and 3.1 mi (5.0 km) downstream from Jackson Bayou.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	0940	9827	9827	130	7.2	17.0	19.0	80	6.4	68	21
30...	1505	9827	9827	--	7.7	19.0	19.0	15	7.0	74	16
NOV											
27...	0945	9827	9827	231	7.3	12.0	11.0	90	7.8	70	23
FEB											
05...	1010	9827	9827	161	6.9	1.0	2.0	400	9.9	72	23
26...	1430	9827	9827	138	7.3	4.0	9.0	200	9.2	79	23
MAR											
25...	1415	9827	9827	77	7.4	10.0	11.0	400	7.8	70	21
APR											
22...	1355	9827	9827	71	6.8	31.0	21.0	200	7.1	79	29
MAY											
20...	0930	9827	9827	132	7.0	17.0	20.0	150	4.8	52	--
JUL											
01...	1405	9827	9827	--	8.1	37.0	36.0	60	12.1	159	--
22...	1440	9827	9827	--	7.6	30.0	27.0	30	7.1	93	13
AUG											
19...	1015	9827	9827	--	7.7	28.0	29.0	40	8.5	109	15
SEP											
16...	1405	9827	9827	435	8.1	35.0	28.0	5	8.8	111	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	0940	2.1	390	53	12	4.7	7.3	3.0	44	6.5	8.0
30...	1505	3.2	80	--	--	--	--	--	--	21	6.0
NOV											
27...	0945	2.7	120	--	--	--	--	--	--	24	6.0
FEB											
05...	1010	2.3	<4	--	--	--	8.3	4.0	55	13	8.0
26...	1430	1.7	370	--	--	--	--	--	--	9.0	15
MAR											
25...	1415	1.8	50	--	--	--	--	--	--	5.0	11
APR											
22...	1355	3.3	60	40	5.7	3.4	2.9	4.0	23	3.5	18
MAY											
20...	0930	--	--	--	--	--	--	--	--	9.0	7.0
JUL											
01...	1405	8.2	4	--	--	--	--	--	--	22	5.0
22...	1440	4.1	>600	--	30	10	29	--	120	40	8.0
AUG											
19...	1015	5.5	58	--	--	--	--	--	--	27	9.0
SEP											
16...	1405	3.4	22	--	--	--	--	--	--	20	6.0

07077600 CACHE RIVER AT BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	0940	124	26	.05	.010	.150	.80	.120	<5	<10	<5
30...	1505	181	65	.14	.010	.130	.21	.130	--	--	--
NOV											
27...	0945	166	19	.11	.010	.170	.50	.140	--	--	--
FEB											
05...	1010	278	32	.04	.130	.200	.60	--	--	<10	30
26...	1430	195	27	.33	.090	.210	1.5	.300	--	--	--
MAR											
25...	1415	246	76	.24	--	.180	--	.290	--	--	--
APR											
22...	1355	252	68	<.01	.230	.120	2.3	.320	7	<10	50
MAY											
20...	0930	152	52	.32	.050	.180	.70	.310	--	--	--
JUL											
01...	1405	159	33	.10	.030	.100	.90	.170	--	--	--
22...	1440	--	--	.13	.020	.140	--	.130	--	<10	--
AUG											
19...	1015	219	23	.22	.030	.140	.08	.120	--	--	--
SEP											
16...	1405	257	23	.11	.050	--	2.1	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	0940	<20	1800	<10	73	10	.00	.00	.00	.00	.00
FEB											
05...	1010	<20	--	<10	310	20	--	--	--	--	--
26...	1430	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	1355	<20	6500	<10	160	50	--	--	--	--	--
JUL											
01...	1405	--	--	--	--	--	.00	.00	.00	.00	.00
22...	1440	<20	--	<10	--	--	.00	.00	.00	.00	.00
AUG											
19...	1015	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	1405	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	0940	.00	.00	.00	.00	0	.00
FEB							
26...	1430	.00	.00	.00	.00	0	.00
JUL							
01...	1405	.00	.00	.00	.00	0	.00
22...	1440	.00	.00	.00	.00	0	.00
AUG							
19...	1015	.00	.00	.00	.00	0	.00
SEP							
16...	1405	.00	.00	.00	.00	0	.00

07077660 BAYOU DEVIEW NEAR GIBSON, AR

LOCATION.--Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi (2.9 km) northwest of Gibson.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1843	9827	9827	324	7.7	23.0	21.0	60	9.7	108
30...	0412	9827	9827	--	7.5	18.0	17.0	160	6.2	64
NOV										
20...	0945	9827	9827	--	7.6	20.0	17.0	95	7.3	75
JAN										
29...	1530	9827	9827	289	7.4	-1.0	3.0	200	10.2	76
FEB										
26...	1545	9827	9827	163	7.5	3.0	6.0	200	12.4	99
MAR										
25...	1320	9827	9827	94	7.5	7.0	10.0	240	9.9	88
APR										
22...	0745	9827	9827	--	6.9	26.0	20.0	100	7.6	83
MAY										
20...	1300	9827	9827	268	7.6	29.0	25.0	100	9.4	112
JUN										
24...	1230	9827	9827	216	7.3	35.0	26.0	250	2.2	27
JUL										
22...	1050	9827	9827	--	7.8	31.0	29.0	200	6.0	77
AUG										
19...	1440	9827	9827	535	--	38.0	32.0	15	8.7	118

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1843	5.1	660	73	16	7.3	32	15	61	41	20
30...	0412	3.3	8	--	--	--	--	--	--	16	13
NOV											
20...	0945	5.9	68	--	--	--	--	--	--	46	23
JAN											
29...	1530	7.8	270	--	11	6.0	24	12	70	28	23
FEB											
26...	1545	3.4	40	--	--	--	--	--	--	15	15
MAR											
25...	1320	4.9	24	--	--	--	--	--	--	8.0	11
APR											
22...	0745	5.9	--	38	7.4	3.1	8.8	4.0	28	10	15
MAY											
20...	1300	--	--	--	--	--	--	--	--	26	19
JUN											
24...	1230	--	--	--	--	--	--	--	--	22	14
JUL											
22...	1050	--	--	--	31	15	21	4.0	150	22	27
AUG											
19...	1440	3.2	180	--	--	--	--	--	--	18	18

07077660 BAYOU DEVIEW NEAR GIBSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1843	240	30	2.3	.110	.090	4.700	7	<10	<5
30...	0412	250	66	1.0	.080	.230	--	--	<10	--
NOV										
20...	0945	265	16	4.2	.130	.130	4.800	--	<10	--
JAN										
29...	1530	240	44	1.6	.160	--	3.000	--	<10	<10
FEB										
26...	1545	164	24	.85	--	.390	1.600	--	<10	--
MAR										
25...	1320	198	74	--	--	.330	.380	--	<10	--
APR										
22...	0745	131	26	.50	.070	.030	.680	8	10	--
MAY										
20...	1300	220	57	1.3	.110	.180	3.700	--	<10	--
JUN										
24...	1230	--	562	.36	.130	3.300	2.300	--	<10	--
JUL										
22...	1050	375	--	.11	.070	.990	.720	--	<10	--
AUG										
19...	1440	--	31	<.01	.010	.100	.090	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1843	<20	1600	<10	110	50	--	--	--	--	--
30...	0412	20	3800	--	150	20	--	--	--	--	--
NOV											
20...	0945	20	1200	--	520	30	--	--	--	--	--
JAN											
29...	1530	40	2600	170	400	60	--	--	--	--	--
FEB											
26...	1545	30	3200	--	640	50	--	--	--	--	--
MAR											
25...	1320	<20	4100	--	270	20	--	--	--	--	--
APR											
22...	0745	20	3400	<10	140	10	--	--	--	--	--
MAY											
20...	1300	20	5100	--	430	20	--	--	--	--	--
JUN											
24...	1230	20	7000	--	--	60	.00	.00	.00	.00	.00
JUL											
22...	1050	<20	7700	10	250	30	.00	.00	.00	.00	.00
AUG											
19...	1440	<20	650	--	100	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JUN							
24...	1230	.00	.00	.00	.00	0	.00
JUL							
22...	1050	.00	.00	.00	.00	0	.00
AUG							
19...	1440	.00	.00	.00	.00	0	.00

07077700 BAYOU DEVIEW AT MORTON, AR

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi (1.6 km) west of Morton, and at mile 39.6 (63.7 km).

DRAINAGE AREA.--421 mi^2 (1,090 km^2).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
04...	1100	1028	1028	193	7.4	19.0	27	3.9	42	5.2	150	120
NOV												
08...	--	1028	1028	--	--	--	--	--	--	--	--	--
08...	1000	1028	1028	249	7.6	12.0	22	6.8	63	2.6	K27	150
29...	1000	1028	1028	179	7.1	6.0	80	7.2	58	5.1	1100	2800
JAN												
03...	0945	1028	1028	126	7.0	4.5	120	8.4	65	--	--	--
24...	1000	1028	1028	136	7.4	5.0	290	9.8	77	--	--	--
FEB												
27...	0900	1028	1028	146	7.3	7.0	300	7.9	65	--	--	--
MAR												
26...	1000	1028	1028	89	7.0	7.0	210	9.0	74	--	--	--
MAY												
00...	1130	1028	80020	98	6.8	21.0	170	2.4	27	--	--	--
JUL												
10...	1130	1028	80020	282	7.8	31.0	75	4.4	57	--	--	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT												
04...	70	2	18	6.0	8.1	19	.4	4.3	68	12	7.6	.1
NOV												
08...	--	--	--	--	--	--	--	--	--	--	--	--
08...	99	3	26	8.2	12	27	.5	4.7	96	12	13	.2
29...	52	15	13	4.8	12	30	.7	7.9	37	21	16	.1
JAN												
03...	37	5	8.9	3.5	7.5	36	.5	5.2	32	14	8.0	.1
24...	44	7	11	4.0	9.5	29	.6	4.4	37	12	9.9	.1
FEB												
27...	42	10	11	3.5	9.6	31	.6	4.0	32	18	8.7	.2
MAR												
26...	27	8	6.7	2.5	9.4	41	.8	1.9	19	19	7.0	.2
MAY												
00...	30	9	7.6	2.7	5.5	26	.4	2.9	21	12	4.2	.1
JUL												
10...	100	0	26	9.1	17	26	.7	3.9	110	12	8.9	.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT											
04...	12	117	110	.16	.06	.01	.040	.030	.05	.04	.90
NOV											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	13	143	147	.19	.04	.06	.020	.020	.02	.03	.81
29...	14	125	112	.17	.23	.29	.070	.050	.08	.06	2.3
JAN											
03...	10	78	77	.11	.18	.18	.180	.140	.22	.18	1.9
24...	8.8	103	83	.14	.24	.22	.150	.150	.18	.19	.85
FEB											
27...	8.0	92	84	.13	.47	.44	.370	.330	.45	.43	1.7
MAR											
26...	6.3	97	65	.13	.22	.23	.270	.200	.33	.26	1.8
MAY											
00...	8.2	78	57	.11	.34	.23	.340	.530	.41	.68	3.3
JUL											
10...	19	177	164	.24	.40	.37	.080	.090	.10	.12	1.7

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT											
04...	.55	.94	.36	.58	1.0	.59	4.4	.160	.49	.170	--
NOV											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	.80	.83	.01	.82	.87	.88	3.9	.110	.34	.040	--
29...	.71	2.4	1.6	.76	2.6	1.1	12	.280	.86	.120	--
JAN											
03...	1.4	2.1	.60	1.5	2.3	1.7	10	.260	.80	.060	15
24...	1.1	1.0	.00	1.2	1.2	1.4	5.5	.330	1.0	.100	--
FEB											
27...	.97	2.1	.80	1.3	2.6	1.7	11	.360	1.1	.060	--
MAR											
26...	1.5	2.1	.40	1.7	2.3	1.9	10	.350	1.1	.100	--
MAY											
00...	2.5	3.6	.60	3.0	3.9	3.2	17	.350	1.1	.110	--
JUL											
10...	1.0	1.8	.70	1.1	2.2	1.5	9.7	.350	1.1	.130	13

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
04...	1100	2	0	2	0	0	70	0	0	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
OCT										
04...	10	10	0	0	<3	3	2	1	1100	230

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT									
04...	7	7	0	440	110	330	.1	.1	.0

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT									
04...	0	0	0	0	0	0	10	0	10

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)
OCT												
04...	1100	.00	11	.00	.4	.0	0	.00	8.9	.00	10	.00

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)
OCT 04...	4.5	.00	.0	.00	6.0	.00	.00	.2	.00	.0	.00	.0

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)
OCT 04...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 04...	.00	.00	.0	.00	0	40	.00	.0	.06	.14	.00

07077750 BAYOU DEVIEW NEAR BRASFIELD, AR

LOCATION.--Lat 34°50'21", long 91°17'04", in NW 1/4 NE 1/4 sec.35, T.3 N., R.3 W., Monroe County, Hydrologic Unit 08020302, at bridge on U.S. Highway 70, 1.4 mi (2.3 km) upstream from Big Rhobe Bayou, and 5.6 mi (9.0 km) northeast of Brasfield.

DRAINAGE AREA.--632 mi^2 (1,637 km^2).

PERIOD OF RECORD.--January 1955 to September 1957, April 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1005	9827	9827	125	7.2	18.0	19.0	90	6.0	64
30...	1430	9827	9827	--	7.3	19.0	19.0	60	2.4	25
NOV										
27...	1010	9827	9827	133	7.1	12.0	9.0	150	8.0	85
FEB										
05...	1035	9827	9827	126	7.1	1.0	1.0	300	11.4	80
26...	1405	9827	9827	132	7.3	4.0	7.0	240	10.1	83
MAR										
25...	1340	9827	9827	76	7.2	10.0	11.0	240	8.0	72
APR										
22...	1330	9827	9827	84	6.8	30.0	21.0	200	6.1	68
MAY										
20...	1000	9827	9827	100	6.9	18.0	20.0	200	5.3	58
JUL										
01...	1335	9827	9827	--	7.3	37.0	30.0	120	5.2	68
22...	1400	9827	9827	--	7.4	30.0	26.0	70	5.5	67
AUG										
19...	1045	9827	9827	--	7.3	29.0	29.0	100	4.5	58
SEP										
16...	1340	9827	9827	337	7.8	35.0	26.0	20	5.9	72

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1005	1.3	36	50	12	4.4	6.6	4.0	46	9.0	8.0
30...	1430	--	36	--	--	--	--	--	--	11	7.0
NOV											
27...	1010	2.5	84	--	--	--	--	--	--	12	10
FEB											
05...	1035	2.3	<4	--	--	--	7.1	4.0	41	10	10
26...	1405	2.1	100	--	--	--	--	--	--	11	19
MAR											
25...	1340	2.2	12	--	--	--	--	--	--	6.5	13
APR											
22...	1330	1.3	--	41	6.6	3.3	5.2	4.0	25	5.5	18
MAY											
20...	1000	1.4	--	--	--	--	--	--	--	6.0	12
JUL											
01...	1335	1.0	68	--	--	--	--	--	--	11	16
22...	1400	2.1	>600	--	14	6.3	16	--	71	17	8.0
AUG											
19...	1045	3.5	<4	--	--	--	--	--	--	12	8.0
SEP											
16...	1340	3.0	250	--	--	--	--	--	--	19	7.0

07077750 BAYOU DEVIEW NEAR BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1005	118	16	<.01	.010	.110	.110	8	<10	<5
30...	1430	138	9	.01	<.010	.050	.140	--	<10	--
NOV										
27...	1010	129	10	<.01	.010	.130	.140	--	--	--
FEB										
05...	1035	192	12	<.01	.070	.080	--	--	<10	20
26...	1405	221	22	.08	.090	.110	.230	--	<10	--
MAR										
25...	1340	286	41	.08	--	.150	.310	--	<10	--
APR										
22...	1330	223	38	<.01	.180	.100	.270	6	10	30
MAY										
20...	1000	176	41	.17	.050	.140	.390	--	<10	--
JUL										
01...	1335	116	22	.09	.020	.100	.230	--	<10	--
22...	1400	--	--	.05	.010	.160	.260	--	<10	--
AUG										
19...	1045	131	21	.04	.010	.080	.160	--	<10	--
SEP										
16...	1340	201	12	.03	.050	--	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1005	40	1800	<10	48	60	--	--	--	--	--
30...	1430	<20	680	--	--	<10	.00	.00	.00	.00	.00
FEB											
05...	1035	150	--	--	100	180	--	--	--	--	--
26...	1405	<20	4100	--	87	50	--	--	--	--	--
MAR											
25...	1340	30	5300	--	100	70	--	--	--	--	--
APR											
22...	1330	50	6000	30	150	100	--	--	--	--	--
MAY											
20...	1000	20	4400	--	190	40	--	--	--	--	--
JUL											
01...	1335	20	1700	--	190	40	--	--	--	--	--
22...	1400	40	--	30	--	--	--	--	--	--	--
AUG											
19...	1045	20	1300	--	200	20	--	--	--	--	--
SEP											
16...	1340	20	550	--	170	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1430	.00	.00	.00	.00	0	.00

07077790 CACHE RIVER AT 100 YDS BELOW DREDGING, AR

LOCATION.--Lat 34°44'32", long 91°18'24", NW 1/4 SE 1/4 sec.34, T.2 N., R.3 W., Monroe County, Hydrologic Unit 08020203, 1.1 mi (1.8 km) downstream from Dobbs Landing, and 5.0 mi (8.0 km) upstream from mouth.

PERIOD OF RECORD.--August 1977 to March 1980 (discontinued).

WATER QUALITY DATA, OCTOBER 1979 TO MARCH 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
OCT											
04...	1200	1028	1028	3360	143	7.8	19.0	.40	6.1	68	3.4
NOV											
02...	1100	1028	1028	305	331	7.6	15.0	.60	6.6	67	2.2
26...	1300	1028	1028	1370	195	7.5	10.5	.30	6.8	63	2.8
DEC											
27...	1130	1028	1028	2500	114	7.2	6.5	.20	8.6	72	3.0
JAN											
22...	1130	1028	1028	2000	123	7.5	7.5	.09	8.9	77	2.2
FEB											
25...	1130	1028	1028	3170	161	7.7	13.0	.06	8.2	77	2.3
MAR											
19...	1145	1028	1028	3170	138	7.8	10.5	.20	7.8	70	3.4

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA) (00933)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT											
04...	87	180	52	6	13	4.8	6.7	21	.4	10	3.3
NOV											
02...	K40	K13	110	0	30	9.2	20	36	.8	23	3.0
26...	120	530	66	6	17	5.8	15	41	.8	19	4.1
DEC											
27...	123	680	34	6	8.5	3.1	7.1	29	.5	11	3.5
JAN											
22...	K87	540	38	2	9.7	3.4	8.4	30	.6	11	2.8
FEB											
25...	K16	K30	50	7	13	4.2	8.7	26	.5	12	3.0
MAR											
19...	183	--	42	14	11	3.4	12	37	.8	--	1.7

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT											
04...	46	12	5.9	.2	11	85	85	.12	771	--	--
NOV											
02...	120	4.3	29	.1	21	210	190	.29	173	--	--
26...	60	13	18	.1	14	141	124	.19	522	.08	.060
DEC											
27...	28	7.7	9.6	.1	8.8	95	66	.13	641	.15	.100
JAN											
22...	36	10	9.8	.2	9.6	111	76	.15	599	.01	.100
FEB											
25...	43	13	11	.1	13	103	92	.14	882	.19	.040
MAR											
19...	28	12	16	.2	7.0	105	81	.14	899	.32	.070

07077790 CACHE RIVER AT 100 YDS BELOW DREDGING, AR--CONTINUED

WATER QUALITY DATA, OCTOBER 1979 TO MARCH 1980

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
OCT											
04...	.07	.040	.05	3.8	3.8	3.9	17	.140	--	.43	--
NOV											
02...	.33	--	--	--	--	--	--	.130	--	.40	--
26...	.14	.090	.11	.80	.89	1.0	4.6	.200	--	.61	--
DEC											
27...	.25	.050	.06	1.4	1.4	1.7	7.3	.240	.55	.74	.180
JAN											
22...	.11	.080	.10	1.5	1.6	1.7	7.6	.260	.71	.80	.230
FEB											
25...	.23	.140	.17	.76	.90	1.1	5.0	.290	.55	.89	.180
MAR											
19...	.39	.180	.22	1.0	1.2	1.6	7.0	.270	.67	.83	.220

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
04...	2	1	1	100	50	50	0	0	<1	10
NOV										
02...	1	0	1	300	200	100	0	0	<1	0
26...	1	0	1	200	100	70	2	0	2	0
DEC										
27...	2	1	1	200	200	30	<1	0	<1	0
JAN										
22...	2	1	1	200	0	200	0	0	<1	0
FEB										
25...	2	2	0	400	400	50	2	1	<1	10
MAR										
19...	2	2	0	200	100	100	0	0	<1	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT										
04...	10	0	0	0	<3	4	2	2	2000	--
NOV										
02...	0	0	1	0	<3	0	0	0	1900	1900
26...	0	0	0	0	<3	1	1	0	2200	1900
DEC										
27...	0	0	2	0	<3	8	8	0	4700	4400
JAN										
22...	0	0	1	0	<3	10	9	1	3700	3200
FEB										
25...	10	0	1	0	<3	16	15	1	5200	4900
MAR										
19...	10	0	0	0	<3	7	0	7	5200	5000

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT										
04...	140	34	31	3	210	160	50	.1	.1	.0
NOV										
02...	30	8	8	0	1100	110	990	.0	.0	.0
26...	280	7	4	3	220	60	160	.0	.0	.0
DEC										
27...	270	17	17	0	140	120	20	.0	.0	.0
JAN										
22...	510	8	8	0	130	90	40	.1	.1	.0
FEB										
25...	290	10	6	4	290	160	130	.1	.1	.0
MAR										
19...	250	5	5	0	240	180	60	.0	.0	.0

07077790 CACHE RIVER AT 100 YDS BELOW DREDGING, AR--CONTINUED

WATER QUALITY DATA, OCTOBER 1979 TO MARCH 1980

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 04...	0	0	0	0	0	0	10	7	<3
NOV 02...	0	0	0	0	0	0	30	30	<3
26...	0	0	0	1	1	0	20	10	6
DEC 27...	0	0	0	0	0	0	50	40	9
JAN 22...	0	0	0	0	0	0	140	0	140
FEB 25...	1	1	0	0	0	0	280	270	7
MAR 19...	0	0	0	0	0	0	40	0	90

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)
OCT 04...	8.0	.00	.0	.00	.00	.00	.00	.00	.00	.00
NOV 02...	5.9	.00	.0	.00	.00	.00	.00	.00	.00	.00
26...	11	.00	.0	.00	.00	.00	.00	.00	.00	.00
DEC 27...	10	.00	.0	.00	.00	.00	.00	.00	.00	.00
JAN 22...	11	.00	.0	.00	.00	.00	.00	.00	.00	.00
FEB 25...	9.2	.00	.0	.00	.00	.00	.00	.00	.00	.00
MAR 19...	10	.00	.0	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	DIAZINON, TOTAL (UG/L) (39570)	PCB TOTAL (UG/L) (39516)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV 02...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC 27...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 22...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB 25...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT 04...	--	.00	.00	0	.00	.01	.09	.00	64	581
NOV 02...	--	.00	.00	0	.00	.01	.01	.00	64	53
26...	--	.00	.00	0	.00	.02	.02	.00	60	837
DEC 27...	.0	.00	.00	0	.00	.02	.01	.00	124	837
JAN 22...	.0	.00	.00	0	.00	.01	.02	.00	41	221
FEB 25...	.0	.00	.00	0	.00	.01	.01	.00	75	642
MAR 19...	.0	.00	.00	0	.00	.00	.01	.00	66	565

07077794 CACHE RIVER AT MOUTH, NEAR CLARENDON, AR

LOCATION.--Lat 34°42'08", long 91°19'31", in SW 1/4 NE 1/4 sec.16, T.1 N., R.3 W., Monroe County, Hydrologic Unit 08020303, at mouth of Cache River.

PERIOD OF RECORD.--August 1977 to March 1980 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO MARCH 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT											
04...	1300	1028	1028	147	7.5	19.0	.20	5.9	66	4.6	K27
NOV											
02...	1200	1028	1028	295	7.5	15.0	.20	6.3	64	2.6	K53
26...	1410	1028	1028	226	7.7	10.0	.30	7.7	71	4.4	82
DEC											
27...	1245	1028	1028	128	7.3	7.0	.15	8.1	69	3.4	127
JAN											
22...	1240	1028	1028	126	7.3	7.5	.20	8.8	76	2.3	97
FEB											
25...	1330	1028	1028	166	7.6	9.5	.06	8.6	75	6.3	K12
MAR											
19...	1245	1028	1028	145	8.0	10.0	.20	3.4	71	3.4	157

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA) (00933)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)
OCT											
04...	100	52	5	13	4.8	7.3	22	.4	11	3.5	47
NOV											
02...	88	110	0	28	8.7	16	32	.7	19	3.1	110
26...	540	83	8	21	7.5	13	24	.6	17	3.8	75
DEC											
27...	1080	35	5	8.9	3.2	7.8	30	.6	10	2.6	30
JAN											
22...	580	40	7	10	3.7	8.1	29	.6	11	2.5	33
FEB											
25...	K37	54	7	14	4.6	8.4	24	.5	11	3.0	47
MAR											
19...	--	55	16	14	4.8	9.4	27	.6	--	1.4	39

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
04...	11	6.7	.1	11	94	86	.13	--	--	.07
NOV										
02...	7.4	25	.2	18	181	174	.25	--	--	.27
26...	11	17	.1	15	154	136	.21	.14	.040	.18
DEC										
27...	8.5	11	.2	8.3	102	69	.14	.22	.120	.34
JAN										
22...	9.3	8.0	.2	9.5	--	72	.14	.00	.120	.10
FEB										
25...	9.9	10	.1	11	104	90	.14	.14	.040	.18
MAR										
19...	7.8	10	.1	6.1	98	77	.13	.29	.070	.36

07077794 CACHE RIVER AT MOUTH, NEAR CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT										
04...	.060	.07	1.6	1.7	1.8	7.8	.170	--	.52	--
NOV										
02...	--	--	--	--	--	--	.120	--	.37	--
26...	.110	.13	.89	1.0	1.2	5.2	.180	--	.55	--
DEC										
27...	.060	.07	1.4	1.5	1.8	8.1	.260	.55	.80	.180
JAN										
22...	.070	.08	1.8	1.9	2.0	8.9	1.300	1.3	4.0	.420
FEB										
25...	.130	.16	.63	.76	.94	4.2	.210	.49	.64	.160
MAR										
19...	.220	.27	.88	1.1	1.5	6.5	.250	.64	.77	.210

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
04...	2	1	1	100	50	50	0	0	<1	20
NOV										
02...	1	0	1	300	200	100	0	0	<1	0
26...	1	0	1	200	100	100	0	0	<1	0
DEC										
27...	2	1	1	200	100	100	0	0	<1	0
JAN										
22...	3	2	1	200	100	100	0	0	<1	10
FEB										
25...	2	2	0	300	300	50	2	1	<1	0
MAR										
19...	1	1	0	100	0	100	0	0	<1	10

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT										
04...	10	10	0	0	<3	5	3	2	2100	--
NOV										
02...	0	0	1	0	<3	0	0	0	1500	1500
26...	0	0	1	0	<3	1	0	2	2500	800
DEC										
27...	0	0	1	0	<3	7	6	1	4800	4500
JAN										
22...	10	0	3	0	<3	15	13	2	6400	6100
FEB										
25...	0	0	1	0	<3	17	15	2	3400	3300
MAR										
19...	10	0	10	7	<3	12	7	5	4300	4200

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT										
04...	230	35	32	3	220	160	60	.1	.1	.0
NOV										
02...	40	7	7	0	1000	60	940	.0	.0	.0
26...	1700	9	7	2	300	100	200	.1	.1	.0
DEC										
27...	290	13	13	0	150	120	30	.0	.0	.0
JAN										
22...	350	12	12	0	360	340	20	.0	.0	.0
FEB										
25...	100	9	6	3	230	100	130	.5	.5	.0
MAR										
19...	150	8	8	0	220	180	40	.0	.0	.0

07077794 CACHE RIVER AT MOUTH, NEAR CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
04...	0	0	0	0	0	0	20	10	10
NOV									
02...	0	0	0	0	0	0	140	140	<3
26...	0	0	0	1	1	0	10	0	20
DEC									
27...	0	0	0	0	0	0	210	100	110
JAN									
22...	0	0	0	0	0	0	100	0	100
FEB									
25...	0	0	0	0	0	0	220	210	7
MAR									
19...	0	0	0	0	0	0	40	0	60

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)
OCT										
04...	5.1	.00	.0	.00	.00	.00	.00	.00	.00	.00
NOV										
02...	9.0	.00	.0	.00	.00	.00	.00	.00	.00	.00
26...	17	.00	.0	.00	.00	.00	.00	.00	.00	.00
DEC										
27...	13	.00	.0	.00	.00	.00	.00	.00	.00	.00
JAN										
22...	11	.00	.0	.00	.00	.00	.00	.00	.00	.00
FEB										
25...	10	.00	.0	.00	.00	.00	.00	.00	.00	.00
MAR										
19...	11	.00	.0	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	DIAZINON, TOTAL (UG/L) (39570)	PCB TOTAL (UG/L) (39516)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT										
04...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV										
02...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC										
27...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN										
22...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB										
25...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR										
19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT									
04...	--	.00	.00	0	.00	.00	.06	.00	56
NOV									
02...	--	.00	.00	0	.00	--	--	--	56
26...	--	.00	.00	0	.00	.01	.01	.00	106
DEC									
27...	.0	.00	.00	0	.00	.02	.02	.00	124
JAN									
22...	.0	.00	.00	0	.00	.00	.00	.00	199
FEB									
25...	.0	.00	.00	0	.00	.01	.01	.00	29
MAR									
19...	.0	.00	.00	0	.00	.01	.00	.00	51

07077800 WHITE RIVER AT CLARENDON, AR
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

NOTE.--Streamflow records for the current year are not available in time for inclusion in this report. They will be published in a subsequent report.

PERIOD OF RECORD.--Water years 1948 to 1967, October 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1947 to September 1965, October 1974 to current year.
WATER TEMPERATURES: October 1948 to September 1965, October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 544 micromhos Nov. 12, 1955; minimum daily, 61 micromhos Feb. 3, 1950.
WATER TEMPERATURES: Maximum daily, 32.0°C on several days during June and July 1954; minimum daily, 0.0°C Jan. 15, 1962, Jan. 26-28, 1963, Jan. 19-21, 1977, Jan. 10-18, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 356 micromhos Sept. 6; minimum daily, 101 micromhos Apr. 18.
WATER TEMPERATURES: Maximum daily, 24.0°C on several days in June and July; minimum daily, 0.0°C Jan. 10-18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
04...	1345	1028	1028	--	260	8.1	20.5	23	7.8	89	K33	K60
NOV												
02...	1245	1028	1028	12700	300	8.0	15.5	14	9.8	99	K27	K20
26...	1430	1028	1028	13700	293	8.0	10.5	17	8.7	94	K50	220
DEC												
27...	1345	1028	1028	24200	244	7.9	4.5	66	9.3	74	213	540
JAN												
22...	1315	1028	1028	23100	223	7.4	7.5	40	10.1	87	K20	110
FEB												
25...	1415	1028	1028	21400	242	8.0	7.0	29	10.2	84	K4	K20
MAR												
19...	1330	1028	1028	19600	144	8.1	8.0	100	9.4	79	K180	--
APR												
17...	1030	1028	1028	50600	147	7.5	13.0	100	8.8	83	110	76
MAY												
19...	1140	1028	1028	25500	227	7.7	20.5	43	8.5	92	--	140
JUL												
09...	1030	1028	1028	14000	296	8.3	29.0	26	7.2	92	--	--
AUG												
04...	1100	1028	1028	10400	286	8.1	27.5	19	6.6	82	K20	89

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
04...	120	0	28	12	3.8	6	.2	2.0	120	10	4.2
NOV											
02...	120	6	31	9.4	19	26	.8	3.1	110	11	28
26...	140	13	34	14	5.8	13	.2	2.2	130	9.1	8.1
DEC											
27...	110	0	25	11	3.4	10	.1	1.9	110	4.8	5.5
JAN											
22...	110	5	24	11	3.0	6	.1	1.7	100	6.0	4.5
FEB											
25...	120	7	27	12	4.8	8	.2	1.5	110	7.6	4.1
MAR											
19...	79	13	19	7.7	7.1	16	.3	.9	66	8.0	7.3
APR											
17...	69	11	17	6.5	4.0	11	.2	1.6	58	6.4	6.2
MAY											
19...	110	12	26	11	2.5	5	.1	1.4	98	10	2.4
JUL											
09...	150	8	36	14	3.6	5	.1	1.5	140	6.3	4.7
AUG											
04...	150	0	35	15	4.2	6	.2	1.5	150	8.5	5.0

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
04...	.1	7.5	143	140	.19	--	.16	.070	2.2	2.3	1.6
NOV											
02...	.3	21	186	190	.25	6380	.23	.070	.53	.60	.08
26...	.1	8.1	161	161	.22	5960	.27	.040	.81	.85	.48
DEC											
27...	.1	6.2	136	125	.19	8890	.37	.020	.80	.82	.54
JAN											
22...	.1	6.3	131	118	.18	8170	.23	.040	.82	.86	.20
FEB											
25...	.0	5.5	138	130	.19	7970	.28	.040	.20	.24	.23
MAR											
19...	.2	4.5	123	96	.17	6510	.28	.130	.78	.91	.31
APR											
17...	.1	4.9	82	83	.11	11200	.17	.080	.58	.66	.14
MAY											
19...	.0	4.4	112	117	.15	7710	.23	.060	.53	.59	.00
JUL											
09...	.2	5.0	171	156	.23	6460	.00	.010	.62	.63	.00
AUG											
04...	.3	6.0	161	166	.22	4520	.03	.060	.88	.94	.13

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
04...	.68	2.5	11	.080	.070	--	3.9	.3	64	--	51
NOV											
02...	.52	.83	3.7	.070	.040	8.2	--	--	57	1960	83
26...	.37	1.1	5.0	.060	.020	13	--	--	57	2110	83
DEC											
27...	.28	1.2	5.3	.110	.030	--	8.1	1.0	57	3720	83
JAN											
22...	.66	1.1	4.8	.100	.040	4.4	--	--	80	4990	53
FEB											
25...	.01	.52	2.3	1.800	1.600	7.2	--	--	64	3700	90
MAR											
19...	.60	1.2	5.3	.170	.040	--	6.7	--	218	11500	59
APR											
17...	.52	.83	3.7	.160	.050	--	7.9	.4	92	12600	84
MAY											
19...	.87	.82	3.6	.090	.020	4.7	--	--	90	6200	80
JUL											
09...	1.1	.63	2.8	.100	.010	--	3.5	.4	8	299	79
AUG											
04...	.81	.97	4.3	.080	.020	6.2	--	--	70	1970	87

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
04...	1345	1	1	50	0	50	0	0	<1	10
NOV										
02...	1245	--	--	--	--	--	--	--	--	--
26...	1430	--	--	200	--	--	--	--	--	--
DEC										
27...	1345	1	1	250	200	50	0	0	<1	0
JAN										
22...	1315	--	--	--	--	--	--	--	--	--
MAR										
19...	1330	1	0	300	0	300	0	0	<1	0
APR										
17...	1030	1	0	30	0	30	0	0	<1	0
MAY										
19...	1140	--	--	--	--	--	--	--	--	--
JUL										
09...	1030	1	1	100	60	40	1	--	<1	10

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 04...	10	0	0	0	<3	3	2	1	920	--
DEC 27...	0	0	2	0	<3	1	1	0	2400	2300
MAR 19...	0	0	10	7	<3	17	8	9	3800	3700
APR 17...	0	0	3	0	<3	3	1	2	3300	3200
JUL 09...	10	0	0	--	<3	13	10	3	860	850

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 04...	50	15	15	0	150	140	8	.1	.1	.0
DEC 27...	70	12	12	0	140	140	5	.0	.0	.0
MAR 19...	120	9	7	2	220	210	8	.0	.0	.0
APR 17...	90	5	5	0	130	120	8	.0	.0	.0
JUL 09...	10	7	7	0	130	120	8	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 04...	0	0	0	0	0	0	10	0	10
NOV 02...	--	--	--	0	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
DEC 27...	0	0	0	0	0	0	20	0	20
JAN 22...	--	--	--	0	--	--	--	--	--
MAR 19...	0	0	0	2	2	0	150	0	150
APR 17...	0	0	0	0	0	0	30	30	<3
MAY 19...	--	--	--	0	--	--	--	--	--
JUL 09...	0	0	0	0	0	0	20	10	7

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)
NOV 02...	1245	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)
NOV 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)
NOV 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
NOV 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	283	238	186	243	---	131	186	218	271	324	272
2	211	290	239	196	247	240	131	176	225	282	309	309
3	228	290	246	182	275	255	147	190	232	296	282	301
4	248	329	249	186	257	252	147	207	279	257	290	328
5	243	302	267	---	289	260	155	207	277	276	289	---
6	242	285	262	194	288	264	153	222	260	286	296	356
7	242	282	263	186	268	272	165	252	266	288	296	354
8	237	284	262	190	251	266	168	272	261	295	296	322
9	247	291	287	202	244	270	148	252	262	301	291	289
10	258	304	277	208	244	272	124	247	262	298	276	---
11	268	318	275	---	257	272	132	267	256	282	275	---
12	266	310	269	200	247	267	108	284	279	276	295	289
13	276	297	235	196	251	260	109	293	284	294	317	277
14	286	299	244	200	---	256	125	290	258	285	317	313
15	269	293	241	204	246	268	126	269	244	304	308	316
16	240	326	260	208	249	274	106	238	249	283	293	320
17	253	308	280	191	247	266	111	244	242	293	317	291
18	264	---	283	206	260	206	101	211	285	268	320	283
19	255	306	266	214	258	175	106	223	292	283	307	297
20	280	298	265	216	278	165	112	233	277	281	298	300
21	319	300	250	213	277	171	134	233	291	286	318	317
22	279	290	262	217	238	149	138	234	292	271	322	328
23	286	279	273	215	263	141	145	230	261	293	278	340
24	283	290	247	220	252	150	153	---	281	303	294	324
25	283	290	212	222	239	123	195	210	315	296	296	323
26	309	297	226	216	237	127	158	---	308	314	300	328
27	280	294	216	219	251	120	219	224	255	318	310	307
28	274	280	252	227	198	126	161	224	260	323	---	310
29	273	263	182	237	223	138	176	225	256	317	---	300
30	279	280	199	245	---	155	170	223	258	337	298	282
31	282	---	167	257	---	144	---	215	---	332	286	---
MEAN	264	295	248	209	253	210	142	234	266	293	300	310

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	16.0	10.0	7.0	5.0	---	10.0	17.0	18.0	24.0	---	28.0
2	20.0	16.0	9.0	7.0	5.0	4.0	10.0	17.0	18.0	24.0	---	27.0
3	20.0	16.0	8.0	7.0	5.0	3.0	10.0	17.0	18.0	24.0	---	27.0
4	17.0	16.0	8.0	7.0	5.0	3.0	10.0	17.0	18.0	24.0	---	27.0
5	20.0	16.0	8.0	---	5.0	4.0	13.0	17.0	18.0	24.0	---	---
6	20.0	16.0	8.0	7.0	5.0	4.0	13.0	18.0	18.0	25.0	---	27.0
7	20.0	16.0	8.0	6.0	4.5	4.0	13.0	18.0	18.0	25.0	---	27.0
8	19.0	15.0	8.0	6.0	4.0	4.0	14.0	17.0	18.0	25.0	---	28.0
9	18.0	15.0	8.0	6.0	4.0	4.0	15.0	17.0	18.0	26.0	---	28.0
10	18.0	14.0	8.0	7.0	4.0	4.0	15.0	18.0	18.0	26.0	---	---
11	18.0	15.0	8.0	---	4.0	10.0	15.0	17.0	18.0	26.0	---	---
12	18.0	12.0	8.0	6.0	4.0	10.0	15.0	18.0	18.0	24.0	---	28.0
13	17.0	11.0	8.0	6.0	4.0	10.0	15.0	17.0	18.0	26.0	---	28.0
14	17.0	11.0	8.0	6.0	---	10.0	15.0	17.0	18.0	---	---	27.0
15	17.0	10.0	8.0	7.0	4.0	10.0	12.0	18.0	18.0	---	---	27.0
16	17.0	10.0	8.0	7.0	4.0	10.0	12.0	17.0	18.0	---	---	26.0
17	17.0	10.0	8.0	7.0	3.5	10.0	14.0	18.0	18.0	---	---	27.0
18	17.0	---	6.0	7.0	3.5	10.0	14.0	18.0	18.0	---	---	27.0
19	17.0	10.0	6.0	6.5	3.0	10.0	14.0	18.0	18.0	---	---	26.0
20	17.0	10.0	7.0	7.0	4.0	10.0	15.0	18.0	20.0	---	---	26.0
21	17.0	10.0	7.5	7.0	3.5	10.0	16.0	18.0	20.0	---	---	26.0
22	17.0	10.0	5.0	7.0	4.0	10.0	16.0	18.0	18.0	---	---	26.0
23	18.0	11.0	7.5	7.0	3.5	10.0	16.0	18.0	18.0	---	---	26.0
24	18.0	11.0	7.0	7.0	3.0	10.0	16.0	---	20.0	---	---	26.0
25	17.0	10.0	7.5	7.0	3.0	10.0	16.0	18.0	22.0	---	---	26.0
26	18.0	10.0	7.0	7.0	3.0	11.0	15.0	18.0	22.0	---	---	26.0
27	17.0	10.0	7.5	7.0	4.0	11.0	17.0	18.0	22.0	---	29.0	22.5
28	14.0	10.0	6.5	6.0	4.0	11.0	17.0	18.0	22.0	---	---	21.0
29	14.0	10.0	7.5	6.0	3.0	11.0	18.0	18.0	22.0	---	---	21.0
30	14.0	10.0	8.0	6.0	---	11.0	18.0	20.0	24.0	---	28.5	21.0
31	16.0	---	8.0	5.0	---	10.0	---	18.0	---	---	28.5	---
MEAN	17.5	12.5	7.5	6.5	4.0	8.5	14.5	17.5	19.0	25.0	28.5	26.0

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 2,79	FEB 25,80	MAR 19,80	MAY 19,80	JUL 9,80	AUG 4,80
TIME	1245	1415	1330	1140	1030	1100
TOTAL CELLS/ML	10000	1200	1600	5700	7700	1700
DIVERSITY: DIVISION	1.0	1.6	1.3	0.9	1.3	1.1
.CLASS	1.0	1.6	1.3	0.9	1.3	1.1
..ORDER	1.1	2.1	2.0	1.0	1.9	1.7
...FAMILY	1.1	2.8	2.8	1.4	2.5	2.2
....GENUS	1.8	3.2	3.6	2.2	3.1	3.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	*	0	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	160	3	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	55	5	--	-	--	-	--	-	26	2
....GOLENKINIOPSIS	--	-	--	-	27	2	--	-	--	-	--	-
....MICRACTINIUM	--	-	--	-	--	-	200	4	250	3	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	320	3	20	2	140	9	120	2	100	1	--	-
....DICTYOSPHAERIUM	--	-	20	2	--	-	--	-	1400#	18	52	3
....KIRCHNERIELLA	--	-	*	0	27	2	--	-	50	1	--	-
....OOCYSTIS	--	-	--	-	--	-	80	1	--	-	13	1
....TREUBARIA	--	-	--	-	--	-	--	-	--	-	13	1
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	40	3	--	-	320	6	400	5	--	-
....CRUCIGENIA	--	-	--	-	55	3	--	-	--	-	--	-
....SCENEDESMUS	--	-	160	14	190	12	400	7	400	5	130	8
....TETRASTRUM	--	-	--	-	160	10	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	130	1	30	3	96	6	--	-	*	0	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...CHAETOCERACEAE												
....CHAETOCEROS	--	-	--	-	27	2	--	-	--	-	--	-
...COSCINODISCACEAE												
....CYCLOTELLA	2500#	24	61	5	82	5	1000#	18	910	12	350#	21
....MELOSIRA	5900#	56	45	4	110	7	3200#	55	1900#	25	570#	34
....SKELETONEMA	--	-	66	6	--	-	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	27	2	--	-	--	-	--	-
..PENNALES												
...CYMBELLACEAE												
....CYMBELLA	--	-	35	3	--	-	*	0	--	-	--	-
...DIATOMACEAE												
....DIATOMA	--	-	160	14	14	1	--	-	--	-	13	1
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	--	-	380#	24	40	1	--	-	--	-
....FRAGILARIA	--	-	--	-	--	-	--	-	--	-	100	6
....SYNEDRA	64	1	*	0	55	3	*	0	280	4	77	5
...NAVICULACEAE												
....GYROSIGMA	--	-	--	-	--	-	--	-	--	-	13	1
....NAVICULA	--	-	15	1	14	1	--	-	--	-	13	1
...NITZSCHIACEAE												
....NITZSCHIA	--	-	40	3	69	4	*	0	1200#	16	120	7
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	130	1	--	-	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE												
....CRYPTOMONAS	190	2	--	-	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	--	-	--	-	--	-	100	6
....ANACYSTIS	1300	12	--	-	--	-	120	2	130	2	100	6
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	--	-	--	-	--	-	--	-	600	8	--	-
...OSCILLATORIACEAE												
....OSCILLATORIA	--	-	390#	34	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 2,79		FEB 25,80		MAR 19,80		MAY 19,80		JUL 9,80		AUG 4,80	
TIME	1245		1415		1330		1140		1030		1100	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	27	2	--	-	--	-	--	-
....EUTREPTIA	--	-	*	0	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	69	4	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PERIPHYTON

DATE	LENGTH OF EXPOSURE (DAYS) (00022)	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70958)
OCT 04...	40	.710	.710	.080	.000
NOV 26...	24	18.2	17.3	4.69	2.50

07077820 WHITE RIVER AT ST. CHARLES, AR

LOCATION.--Lat 34°22'35", long 91°07'30", in SW 1/4 NE 1/4 sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi (0.6 km) east of St. Charles.

DRAINAGE AREA.--25,809 mi^2 (66,845 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	0950	9827	9827	--	8.0	15.0	16.0	5	9.3	93
NOV										
13...	1425	9827	9827	282	7.9	10.0	12.0	5	10.4	96
DEC										
11...	0940	9827	9827	163	7.8	13.0	7.0	50	10.7	88
JAN										
15...	1440	9827	9827	210	8.0	13.0	10.0	40	10.5	93
FEB										
20...	1000	9827	9827	244	8.0	8.0	5.0	15	12.2	95
MAR										
11...	1240	9827	9827	275	8.1	7.0	8.0	15	11.7	98
APR										
07...	1035	9827	9827	--	7.8	19.0	15.0	75	9.0	88
MAY										
06...	1430	9827	9827	229	7.9	27.0	20.0	40	9.0	98
JUN										
10...	1015	9827	9827	--	8.0	22.0	22.0	20	--	--
JUL										
08...	1530	9827	9827	--	8.1	38.0	29.0	20	7.8	100
AUG										
05...	0950	9827	9827	271	8.1	26.0	27.0	60	7.3	--
SEP										
02...	1415	9827	9827	254	8.1	24.0	27.0	5	7.8	96
30...	0950	9827	9827	--	8.2	18.0	21.0	--	8.0	89

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	0950	2.0	8	270	71	22	3.0	2.0	120	5.5	5.0
NOV											
13...	1425	2.0	<4	--	--	--	--	--	--	6.0	4.0
DEC											
11...	0940	1.9	<4	--	--	--	--	--	--	7.5	--
JAN											
15...	1440	1.4	36	--	23	11	--	2.0	98	4.5	9.0
FEB											
20...	1000	2.0	4	--	--	--	--	--	--	7.5	5.0
MAR											
11...	1240	--	6	--	--	--	--	--	--	6.0	4.0
APR											
07...	1035	3.4	230	93	22	8.1	2.3	2.0	89	5.5	8.0
MAY											
06...	1430	--	36	--	--	--	--	--	--	4.5	12
JUN											
10...	1015	6.0	8	--	--	--	--	--	--	5.5	7.0
JUL											
08...	1530	3.0	16	--	33	14	4.0	2.0	--	--	2.0
AUG											
05...	0950	2.3	20	--	--	--	--	--	--	7.5	9.0
SEP											
02...	1415	1.9	16	--	--	--	--	--	--	10	6.0
30...	0950	2.4	90	130	--	--	--	--	--	10	4.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	0950	117	--	.22	<.010	.010	.060	<5	<10	<5
NOV										
13...	1425	173	20	.22	.010	--	.020	--	--	--
DEC										
11...	0940	165	25	.20	.010	.050	.090	--	--	--
JAN										
15...	1440	130	55	.20	.020	--	--	--	<10	--
FEB										
20...	1000	131	11	.17	.010	--	.040	--	--	--
MAR										
11...	1240	156	--	.19	.010	.030	.060	--	--	--
APR										
07...	1035	159	17	.17	.040	.100	--	8	<10	4
MAY										
06...	1430	153	--	.12	.020	.030	.120	--	--	--
JUN										
10...	1015	--	83	.15	<.010	.010	.070	--	--	--
JUL										
08...	1530	159	60	.16	<.010	.060	--	--	<10	--
AUG										
05...	0950	148	70	.02	.010	.080	--	--	--	--
SEP										
02...	1415	152	41	.04	<.010	.020	.030	--	--	--
30...	0950	163	56	--	--	.060	.090	<5	<10	3

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	0950	<20	1100	<10	93	20	--	--	--	--	--
NOV											
13...	1425	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
15...	1440	<20	1200	<10	110	<10	--	--	--	--	--
APR											
07...	1035	<20	3100	<10	130	<10	--	--	--	--	--
JUL											
08...	1530	<20	900	<10	120	<10	.00	.00	.00	.00	.00
SEP											
30...	0950	--	--	<10	--	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
13...	1425	.00	.00	.00	.00	0	.00
JUL							
08...	1530	.00	.00	.00	.00	0	.00

07077950 BIG CREEK AT POPLAR GROVE, AR

LOCATION.--Lat 34°33'20", long 90°50"44", in sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft (274 m) upstream from Crooked Creek, and 3.9 mi (6.3 km) east of Marvel.

DRAINAGE AREA.--448 mi^2 (1,160 km^2), includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi^2 (1,189 km^2).

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of Corps of Engineers.

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

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft (43.586 m) National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi (11.3 km) downstream at same datum. Prior to February 6, 1978, auxiliary water-stage recorder at site 8.7 (19.0 km) downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--10 years, 625 ft^3/s (17.7 m^3/s), 452,800 acre-ft/yr (558 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s (167 m^3/s) Apr. 23, 1973, gage height, 31.74 ft (9.674 m); no flow June 18-27, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft (9.674 m) Apr. 23, 1973, discharge, 5,910 ft^3/s (167 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,320 ft^3/s (122 m^3/s) Mar. 24, gage height, 30.20 ft (9.205 m); minimum, 3.6 ft^3/s (0.10 m^3/s) Oct. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	161	2360	1200	929	161	3250	1160	219	435	59	80
2	551	135	2170	1080	835	140	3090	1010	192	463	51	82
3	523	74	1980	1000	769	127	2960	889	160	477	47	87
4	502	43	1800	953	691	116	2800	779	135	473	47	101
5	468	33	1600	903	615	112	2620	659	110	451	50	116
6	433	29	1390	835	549	117	2420	537	89	413	54	122
7	394	30	1210	785	473	118	2190	424	71	362	56	126
8	351	33	1060	735	456	126	2010	312	59	301	57	128
9	305	56	939	667	591	118	1890	219	51	227	56	124
10	253	155	830	598	803	103	1800	153	46	154	57	118
11	196	153	727	707	840	85	1710	116	43	94	58	115
12	142	92	721	898	835	205	2010	161	41	60	58	117
13	98	57	1230	920	808	339	2600	234	37	43	58	112
14	64	42	1440	866	776	283	3270	185	31	30	57	105
15	42	34	1520	814	738	197	3470	155	25	21	55	97
16	27	29	1560	801	702	384	3510	416	20	15	52	90
17	17	25	1590	826	658	1620	3460	677	16	12	48	95
18	13	22	1610	888	607	2260	3470	614	15	12	49	118
19	9.4	19	1590	872	557	2540	3310	452	11	31	53	128
20	6.0	17	1540	821	512	3270	3110	430	10	52	57	118
21	4.1	131	1410	801	468	4050	2890	402	9.4	45	60	105
22	15	1480	1320	872	425	3920	2650	380	10	395	65	94
23	37	2330	1260	1080	383	3760	2440	481	11	524	68	84
24	32	2600	1430	1210	341	4180	2230	537	109	619	69	76
25	23	2740	1690	1200	299	4080	2060	507	335	660	69	73
26	14	2880	1760	1130	255	3870	1980	447	505	546	69	74
27	8.3	2860	1720	1060	222	3670	1860	386	506	410	73	74
28	11	2780	1650	993	209	3660	1710	333	416	278	75	86
29	13	2670	1540	929	186	3510	1530	295	403	164	76	170
30	14	2530	1430	910	---	3670	1330	268	412	94	79	250
31	74	---	1310	954	---	3460	---	244	---	68	79	---
TOTAL	5207.8	24240	45387	28308	16532	54251	75630	13862	4097.4	7929	1861	3265
MEAN	168	808	1464	913	570	1750	2521	447	137	256	60.0	109
MAX	568	2880	2360	1210	929	4180	3510	1160	506	660	79	250
MIN	4.1	17	721	598	186	85	1330	116	9.4	12	47	73
AC-FT	10330	48080	90030	56150	32790	107600	150000	27500	8130	15730	3690	6480

CAL YR 1979 TOTAL 412405.8 MEAN 1130 MAX 3610 MIN 4.1 AC-FT 818000
WTR YR 1980 TOTAL 280570.2 MEAN 767 MAX 4180 MIN 4.1 AC-FT 556500

07077960 BIG CREEK NEAR WATKINS CORNER, AR

LOCATION.--Lat 34°24'48", long 90°56'42", in NE 1/4 SE 1/4 sec.24, T.3 S., R.1 E., Phillips County, Hydrologic Unit 08020304, at bridge on State Highway 318, 3.5 mi (5.6 km) upstream from Little Cypress Creek, and 3.8 mi (6.1 km) south of Watkins Corner.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1410	9827	9827	188	7.7	22.0	21.0	60	6.4	71
30...	1020	9827	9827	--	7.7	17.0	18.0	10	5.1	54
NOV										
27...	1425	9827	9827	68	7.1	19.0	11.0	200	7.5	68
FEB										
05...	1420	9827	9827	134	7.1	2.0	2.0	200	10.9	79
26...	0955	9827	9827	232	7.5	-2.0	7.0	100	8.9	73
MAR										
25...	1045	9827	9827	47	7.1	10.0	11.0	240	9.3	84
APR										
22...	1005	9827	9827	68	7.0	25.0	21.0	300	8.5	94
MAY										
20...	1340	9827	9827	105	7.3	25.0	22.0	200	5.9	67
JUL										
01...	1010	9827	9827	--	7.3	31.0	29.0	150	4.8	62
22...	0935	9827	9827	--	7.5	25.0	25.0	80	5.3	63
AUG										
19...	1425	9827	9827	--	7.8	36.0	29.0	30	6.2	79
SEP										
16...	1010	9827	9827	603	8.1	29.0	25.0	15	5.7	68

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1410	.7	60	81	17	7.9	8.7	4.0	76	14	6.0
30...	1020	.7	44	--	--	--	--	--	--	14	7.0
NOV											
27...	1425	4.5	48	--	--	--	--	--	--	5.0	4.0
FEB											
05...	1420	2.6	60	--	--	--	5.7	4.0	48	7.5	8.0
26...	0955	2.0	16	--	--	--	--	--	--	10	15
MAR											
25...	1045	3.4	--	--	--	--	--	--	--	3.5	7.0
APR											
22...	1005	2.3	<10	46	7.1	3.7	2.3	4.0	23	3.0	15
MAY											
20...	1340	2.7	--	--	--	--	--	--	--	7.0	8.0
JUL											
01...	1010	3.7	140	--	--	--	--	--	--	10	9.0
22...	0935	--	--	--	25	13	8.0	--	100	13	6.0
AUG											
19...	1425	2.7	<4	--	--	--	--	--	--	20	16
SEP											
16...	1010	1.5	--	--	--	--	--	--	--	28	7.0

07077960 BIG CREEK NEAR WATKINS CORNER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1410	149	68	.08	.010	.140	.190	<5	<10	<5
30...	1020	296	44	.36	.030	.300	.110	--	--	--
NOV										
27...	1425	120	53	<.01	.040	.240	.430	--	<10	--
FEB										
05...	1420	165	40	.12	.060	.250	--	--	<10	20
26...	0955	176	82	.14	.040	.260	.260	--	--	--
MAR										
25...	1045	198	162	.11	--	.200	.500	--	--	--
APR										
22...	1005	227	98	.07	.220	.170	.390	10	<10	30
MAY										
20...	1340	157	118	.56	.080	.200	.500	--	--	--
JUL										
01...	1010	1	41	.33	.100	.210	.390	--	--	--
22...	0935	--	--	.71	.080	.720	2.700	--	<10	--
AUG										
19...	1425	317	53	.44	.060	.070	.200	--	--	--
SEP										
16...	1010	349	33	.25	.060	--	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1410	<20	3000	<10	190	50	.00	.00	.00	.00	.00
NOV											
27...	1425	<20	4900	--	100	<10	--	--	--	--	--
FEB											
05...	1420	50	--	--	250	80	--	--	--	--	--
26...	0955	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	1005	<20	7100	<10	200	30	--	--	--	--	--
JUL											
01...	1010	--	--	--	--	--	.00	.00	.00	.00	.00
22...	0935	40	--	40	--	--	.00	.00	.00	.00	.00
AUG											
19...	1425	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
16...	1010	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1410	.00	.00	.00	.00	0	.00
FEB							
26...	0955	.00	.00	.00	.00	0	.00
JUL							
01...	1010	.00	.00	.00	.00	0	.00
22...	0935	.00	.00	.00	.00	0	.00
AUG							
19...	1425	.00	.00	.00	.00	0	.00
SEP							
16...	1010	.00	.00	.00	.00	0	.00

07078285 WHITE RIVER AT ARKANSAS POST CANAL, NEAR NADY, AR

LOCATION.--Lat 34°01'15", long 91°11'08", in sec.1, T.8 S., R.2 W., Arkansas County, Hydrologic Unit 08020303, at Arkansas Post canal, 3.4 mi (5.5 km) northeast of Nady.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
16...	1105	9827	9827	--	8.1	18.0	16.0	10	9.7	97	7
NOV											
13...	1310	9827	9827	280	8.0	10.0	12.0	5	11.4	106	12
DEC											
11...	1100	9827	9827	236	7.6	13.0	7.0	75	10.2	84	15
JAN											
15...	1335	9827	9827	191	7.3	12.0	10.0	60	10.2	90	13
FEB											
20...	1130	9827	9827	249	8.1	8.0	5.0	30	12.0	94	8
MAR											
11...	1010	9827	9827	275	8.0	6.0	8.0	15	11.5	97	8
APR											
07...	1130	9827	9827	--	7.4	19.0	15.0	100	7.9	77	21
MAY											
06...	1330	9827	9827	212	7.7	26.0	20.0	60	7.7	84	16
JUN											
10...	1115	9827	9827	--	8.0	23.0	22.0	20	--	--	8
JUL											
08...	1425	9827	9827	--	8.2	37.0	29.0	20	9.2	118	24
AUG											
05...	1030	9827	9827	317	8.1	28.0	27.0	360	7.3	--	12
SEP											
02...	1310	9827	9827	329	7.9	32.0	27.0	5	9.0	111	10
30...	1100	9827	9827	235	7.8	20.0	21.0	--	7.2	80	19

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1105	1.3	8	130	30	13	4.3	2.0	120	9.0	7.0
NOV											
13...	1310	2.8	<4	--	--	--	--	--	--	7.5	5.0
DEC											
11...	1100	2.6	32	--	--	--	--	--	--	9.0	--
JAN											
15...	1335	1.0	16	--	22	10	--	3.0	97	5.5	10
FEB											
20...	1130	1.1	16	--	--	--	--	--	--	8.0	6.0
MAR											
11...	1010	3.4	<4	--	--	--	--	--	--	6.5	7.0
APR											
07...	1130	3.0	<4	72	16	6.0	3.8	2.0	58	7.0	9.0
MAY											
06...	1330	--	24	--	--	--	--	--	--	6.0	14
JUN											
10...	1115	6.6	<4	--	--	--	--	--	--	7.5	10
JUL											
08...	1425	5.5	60	--	33	13	7.0	2.0	--	--	4.0
AUG											
05...	1030	1.7	28	--	--	--	--	--	--	17	12
SEP											
02...	1310	4.4	<4	--	--	--	--	--	--	11	9.0
30...	1100	3.8	140	96	--	--	--	--	--	11	8.0

07078285 WHITE RIVER AT ARKANSAS POST CANAL, NEAR NADY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
16...	1105	161	--	.18	.010	<.010	.50	.060	<5	<10	<5
NOV											
13...	1310	170	26	.11	.010	--	.10	.040	--	--	--
DEC											
11...	1100	158	30	.13	.010	.070	.70	.130	--	--	--
JAN											
15...	1335	140	67	.13	.060	--	1.5	--	--	<10	--
FEB											
20...	1130	141	35	.23	.020	--	.20	.080	--	--	--
MAR											
11...	1010	152	51	.19	.020	.040	<.10	.080	--	--	--
APR											
07...	1130	150	20	.08	.060	.040	1.0	--	14	<10	20
MAY											
06...	1330	152	--	.16	.030	.040	.80	.170	--	--	--
JUN											
10...	1115	--	30	.12	.010	.010	--	.070	--	--	--
JUL											
08...	1425	158	38	.08	.010	.040	--	--	--	<10	--
AUG											
05...	1030	191	86	.01	.010	.080	.08	--	--	--	--
SEP											
02...	1310	182	45	.02	<.010	.020	1.6	.060	--	--	--
30...	1100	154	159	--	--	.100	1.5	.230	11	<10	7

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1105	<20	1000	<10	84	20	.00	.00	.00	.00	.00
JAN											
15...	1335	<20	2500	<10	200	<10	--	--	--	--	--
FEB											
20...	1130	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
07...	1130	<20	3300	<10	77	<10	--	--	--	--	--
JUL											
08...	1425	<20	770	<10	120	<10	--	--	--	--	--
SEP											
30...	1100	--	--	10	--	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1105	.00	.00	.00	.00	0	.00
FEB							
20...	1130	.00	.00	.00	.00	0	.00

07188820 LITTLE SUGAR CREEK AT CAVERNA, MO

LOCATION.--Lat 36°30'10", long 94°16'30", in SW 1/4 NE 1/4 sec.34, T.21 N., R.31 W., McDonald County, Hydrologic Unit 11070208, at bridge on U.S. Highway 71, 0.5 mi (0.8 km) north of Caverna, Mo., and 0.1 mi (0.2 km) downstream from Bear Creek.

DRAINAGE AREA.--118 mi^2 (306 km^2), at State line.

PERIOD OF RECORD.--August 1967 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
09...	1235	9827	9827	311	7.8	11.0	17.0	5	8.0	82
NOV										
06...	1230	9827	9827	321	7.9	5.5	12.0	5	7.4	69
DEC										
04...	1215	9827	9827	295	--	13.0	12.0	10	11.9	110
JAN										
08...	1205	9827	9827	293	7.8	3.0	6.0	10	13.8	110
FEB										
05...	1220	9827	9827	300	7.8	7.0	8.0	5	12.4	104
MAR										
04...	1230	9827	9827	303	7.9	18.0	12.0	5	13.6	126
APR										
01...	1150	9827	9827	260	7.6	18.0	13.0	5	10.5	99
MAY										
06...	1135	9827	9827	297	8.2	24.0	19.0	5	12.1	129
JUN										
03...	1203	9827	9827	254	7.6	27.0	25.0	20	8.4	100
JUL										
08...	1310	9827	9827	--	8.3	32.0	32.0	10	6.2	84
29...	1145	9827	9827	--	8.3	29.0	29.0	30	11.6	149
AUG										
26...	1233	9827	9827	372	8.1	30.0	30.0	15	9.8	129
SEP										
23...	1130	9827	9827	353	8.0	19.0	21.0	--	8.1	90

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1235	.7	28	130	49	2.7	7.9	2.0	130	13	6.0
NOV											
06...	1230	--	36	--	--	--	--	--	--	11	10
DEC											
04...	1215	2.2	12	--	--	--	--	--	--	8.5	12
JAN											
08...	1205	4.4	12	--	44	2.0	7.0	2.0	130	10	12
FEB											
05...	1220	--	4	--	--	--	--	--	--	10	7.0
MAR											
04...	1230	2.3	<4	--	--	--	--	--	--	10	7.0
APR											
01...	1150	1.1	>720	120	--	1.4	3.4	1.0	100	8.0	8.0
MAY											
06...	1135	4.8	36	--	--	--	--	--	--	9.0	10
JUN											
03...	1203	2.6	350	--	--	--	--	--	--	7.5	11
JUL											
08...	1310	--	68	--	48	2.3	8.0	2.0	140	14	4.0
29...	1145	4.0	360	--	--	--	--	--	--	19	9.0
AUG											
26...	1233	2.5	41	--	--	--	--	--	--	16	2.0
SEP											
23...	1130	4.9	54	--	--	--	--	--	--	18	--

07188820 LITTLE SUGAR CREEK AT CAVERNA, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1235	192	6	.76	.010	.080	.210	<5	<10	<5
NOV										
06...	1230	195	4	--	.010	.060	.240	--	--	--
DEC										
04...	1215	182	2	1.8	.010	.040	.190	--	--	--
JAN										
08...	1205	185	4	1.8	.010	.120	.320	--	<10	--
FEB										
05...	1220	178	6	2.8	.010	.240	.340	--	--	--
MAR										
04...	1230	163	6	1.5	.010	.050	--	--	--	--
APR										
01...	1150	152	19	1.7	.040	.130	.120	<1	<10	3
MAY										
06...	1135	--	--	2.4	.030	.020	.280	--	--	--
JUN										
03...	1203	150	16	.93	.020	.090	.230	--	--	--
JUL										
08...	1310	184	10	.91	.010	.050	.370	--	<10	--
29...	1145	192	14	.24	.010	.030	.300	--	--	--
AUG										
26...	1233	200	17	.11	.010	.010	.230	--	--	--
SEP										
23...	1130	191	16	.05	.010	.020	.260	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
09...	1235	<20	120	<10	19	20
JAN						
08...	1205	<20	20	20	22	<10
APR						
01...	1150	<20	470	<10	91	<10
JUL						
08...	1310	<20	150	<10	66	<10

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR

LOCATION.--Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft (152 m) west of State Highway 59, 0.9 mi (1.4 km) north of State line along Highway 59, 2.0 mi (3.2 km) northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi^2 (90.4 km^2), at State line.

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1140	9827	9827	--	7.6	13.0	15.5	0	9.1	90
NOV 20...	1105	9827	9827	--	8.1	17.0	16.0	5	10.1	101
DEC 18...	0830	9827	9827	306	8.0	7.0	6.0	5	14.4	115
JAN 22...	1200	9827	9827	328	7.7	7.0	9.0	5	--	--
FEB 20...	1135	9827	9827	320	8.1	16.0	10.5	3	12.0	107
MAR 18...	1110	9827	9827	276	7.9	11.0	12.0	10	11.5	106
APR 15...	1130	9827	9827	285	8.2	15.0	12.0	5	13.2	122
MAY 13...	1135	9827	9827	318	8.1	27.0	19.0	10	9.9	105
JUN 17...	1355	9827	9827	270	7.9	21.0	20.0	40	--	--
JUL 15...	1055	9827	9827	--	7.8	29.0	27.0	15	7.9	98
AUG 12...	1214	9827	9827	--	8.0	28.0	27.0	15	8.9	110
SEP 16...	1245	9827	9827	488	--	30.0	27.0	10	7.0	86

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1140	1.9	32	140	48	5.4	4.7	2.0	120	11	7.0
NOV 20...	1105	1.1	270	--	--	--	--	--	--	11	8.0
DEC 18...	0830	3.4	12	--	--	--	--	--	--	8.0	11
JAN 22...	1200	1.3	12	--	43	7.0	3.8	1.0	150	7.5	18
FEB 20...	1135	2.1	8	--	--	--	--	--	--	7.0	22
MAR 18...	1110	1.5	8	--	--	--	--	--	--	7.0	9.0
APR 15...	1130	--	4	140	48	5.0	3.1	1.0	120	6.5	12
MAY 13...	1135	2.7	80	--	--	--	--	--	--	7.5	10
JUN 17...	1355	2.3	--	--	--	--	--	--	--	--	9.0
JUL 15...	1055	3.8	190	--	47	6.2	6.0	2.0	150	9.5	1.0
AUG 12...	1214	2.2	180	--	--	--	--	--	--	15	6.0
SEP 16...	1245	--	380	--	--	--	--	--	--	50	35

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
23...	1140	178	1	.66	.010	.060	.010	<5	<10	<5
NOV										
20...	1105	196	--	.88	.010	.120	.010	--	--	--
DEC										
18...	0830	185	<1	1.1	.010	.020	.040	--	--	--
JAN										
22...	1200	200	4	1.7	<.010	.030	<.010	--	<10	--
FEB										
20...	1135	176	<1	1.1	.010	.650	.010	--	--	--
MAR										
18...	1110	185	<1	.89	.010	.110	--	--	--	--
APR										
15...	1130	170	2	1.0	--	.010	<.010	16	20	<1
MAY										
13...	1135	192	4	.70	.010	.030	.020	--	--	--
JUN										
17...	1355	183	8	.89	.010	.030	.090	--	--	--
JUL										
15...	1055	--	--	.71	.010	1.100	.030	--	<10	--
AUG										
12...	1214	166	--	.34	<.010	.050	.010	--	--	--
SEP										
16...	1245	297	18	6.9	.070	--	4.500	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	1140	<20	<30	<10	15	10	--	--	--	--	--
DEC											
18...	0830	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
22...	1200	<20	--	<10	<10	<10	.00	.00	.00	.00	.00
APR											
15...	1130	<20	<30	<10	<10	<10	--	--	--	--	--
JUL											
15...	1055	<20	50	<10	15	10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC							
18...	0830	.00	.00	.00	.00	0	.00
JAN							
22...	1200	.00	.00	.00	.00	0	.00

07191179 SPAVINAW CREEK NEAR CHEROKEE, CITY, AR

LOCATION.--Lat 36°20'31", long 94°35'15", in SW 1/4 NE 1/4 sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi (4.8 km) north of Cherokee City.

DRAINAGE AREA.--104 mi^2 (269 km^2), at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 23...	1055	9827	9827	--	7.7	9.5	15.0	0	8.8	86	4
NOV 20...	1025	9827	9827	--	8.0	17.5	17.0	5	9.1	94	<1
DEC 18...	1050	9827	9827	285	7.9	7.0	8.0	5	11.6	97	6
JAN 22...	1115	9827	9827	286	7.7	4.0	16.0	0	--	--	<5
FEB 20...	1055	9827	9827	275	8.0	14.0	12.0	3	12.3	114	6
MAR 18...	1030	9827	9827	256	7.8	13.0	13.0	5	12.3	116	--
APR 15...	1040	9827	9827	262	8.0	13.0	12.0	--	12.4	115	<3
MAY 13...	1055	9827	9827	284	7.9	25.0	17.0	10	10.0	103	<3
JUN 17...	1050	9827	9827	276	7.8	23.0	20.0	15	--	--	<3
JUL 15...	1015	9827	9827	--	7.9	29.0	25.0	10	8.8	105	--
AUG 12...	1135	9827	9827	--	7.8	28.0	26.0	15	6.7	82	--
SEP 16...	1203	9827	9827	333	--	30.0	26.0	--	9.1	111	3

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1055	1.5	12	120	46	1.9	6.9	2.0	110	14	5.0
NOV 20...	1025	1.3	420	--	--	--	--	--	--	14	2.0
DEC 18...	1050	3.4	4	--	--	--	--	--	--	12	6.0
JAN 22...	1115	1.2	4	--	41	2.0	6.2	2.0	120	12	8.0
FEB 20...	1055	1.4	4	--	--	--	--	--	--	12	7.0
MAR 18...	1030	1.8	20	--	--	--	--	--	--	11	5.0
APR 15...	1040	1.0	<4	120	43	1.7	5.0	2.0	100	10	6.0
MAY 13...	1055	1.9	12	--	--	--	--	--	--	11	4.0
JUN 17...	1050	2.5	460	--	--	--	--	--	--	--	4.0
JUL 15...	1015	3.6	210	--	48	2.1	7.0	2.0	170	13	<1.0
AUG 12...	1135	2.1	86	--	--	--	--	--	--	17	4.0
SEP 16...	1203	--	4	--	--	--	--	--	--	19	1.0

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
23...	1055	172	1	1.5	.010	.030	.74	.040	<5	<10	<5
NOV											
20...	1025	176	--	--	<.010	.100	.10	.050	--	<10	--
DEC											
18...	1050	181	<1	2.0	<.010	.050	--	.040	--	<10	--
JAN											
22...	1115	178	1	2.4	.010	.020	1.9	.020	--	<10	--
FEB											
20...	1055	153	2	2.1	.010	.160	<.10	.040	--	<10	--
MAR											
18...	1030	175	1	1.9	.010	.050	.70	--	--	<10	--
APR											
15...	1040	158	2	2.4	--	.040	1.3	.020	6	20	<1
MAY											
13...	1055	170	2	2.0	.010	.040	.40	.050	--	<10	--
JUN											
17...	1050	173	2	1.9	.010	.050	--	.120	--	<10	--
JUL											
15...	1015	--	--	1.6	.010	1.300	.50	.070	--	<10	--
AUG											
12...	1135	172	--	.50	<.010	.040	.20	.050	--	<10	--
SEP											
16...	1203	187	4	2.0	.020	--	.70	.130	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	1055	<20	50	<10	17	20	--	--	--	--	--
NOV											
20...	1025	<20	30	--	<10	<10	--	--	--	--	--
DEC											
18...	1050	<20	340	--	<10	30	.00	.00	.00	.00	.00
JAN											
22...	1115	<20	30	20	<10	<10	.00	.00	.00	.00	.00
FEB											
20...	1055	<20	50	--	<10	<10	--	--	--	--	--
MAR											
18...	1030	<20	80	--	<10	<10	--	--	--	--	--
APR											
15...	1040	<20	40	<10	12	<10	--	--	--	--	--
MAY											
13...	1055	<20	130	--	<10	<10	--	--	--	--	--
JUN											
17...	1050	<20	<30	--	13	<10	--	--	--	--	--
JUL											
15...	1015	<20	30	<10	<10	<10	--	--	--	--	--
AUG											
12...	1135	<20	30	--	17	<10	--	--	--	--	--
SEP											
16...	1203	<20	<30	--	<10	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC							
18...	1050	.00	.00	.00	.00	0	.00
JAN							
22...	1115	.00	.00	.00	.00	0	.00

07194800 ILLINOIS RIVER AT SAVOY, AR

LOCATION.--Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 mi^2 (433 km^2).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 1,020.00 ft (310.896 m) National Geodetic Vertical Datum of 1929. July 10, 1974, to June 20, 1979, nonrecording gage at present site with reference mark on bridge.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft^3/s (86.9 m^3/s) Mar. 30, 1980, gage height, 7.81 ft (2.380 m); minimum, 1.6 ft^3/s (0.04 m^3/s) Aug. 11, 1980, gage height, 1.98 ft (0.604 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,070 ft^3/s (86.9 m^3/s) Mar. 30, gage height, 7.81 ft (2.380 m), no peak above base of 5,000 ft^3/s (140 m^3/s); minimum, 1.6 ft^3/s (0.04 m^3/s) Aug. 11, gage height, 1.98 ft (0.604 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	17	11	14	9.9	15	244	18	29	11	3.0	1.9
2	19	11	11	14	9.8	14	166	36	25	9.6	2.6	2.0
3	50	9.9	11	16	10	14	134	93	22	8.7	2.6	2.9
4	78	9.1	10	16	10	14	104	79	20	7.6	2.5	2.7
5	58	8.2	10	15	10	13	86	55	18	7.0	2.6	2.6
6	9.6	8.2	9.8	15	10	13	73	40	17	6.7	2.4	2.4
7	8.1	8.2	9.3	14	9.4	13	66	30	15	6.1	2.3	2.3
8	7.5	10	9.3	13	13	12	59	24	13	6.0	2.1	2.1
9	18	20	8.6	13	12	12	53	20	12	5.7	1.9	2.2
10	21	18	8.9	13	11	12	51	18	11	5.4	1.8	8.3
11	7.7	14	8.9	13	11	12	48	16	11	5.2	1.9	4.2
12	7.4	11	8.4	13	11	17	41	15	10	4.9	2.1	3.2
13	7.2	11	8.7	12	11	16	37	34	9.6	4.8	2.0	2.9
14	7.1	10	8.7	12	12	14	33	28	9.0	4.3	1.9	2.6
15	6.4	9.7	8.7	12	28	15	30	22	8.1	4.3	2.1	9.2
16	7.6	9.3	8.1	13	50	15	29	166	12	4.1	2.2	5.0
17	7.9	9.1	7.9	13	41	253	31	144	20	4.3	2.2	3.4
18	6.9	9.2	8.1	12	33	177	32	757	16	4.0	2.8	3.2
19	6.7	9.7	8.4	12	29	115	32	620	17	5.1	3.2	3.5
20	7.0	10	8.5	13	27	91	29	285	72	4.3	2.5	2.8
21	6.8	24	8.4	13	26	135	28	243	202	4.0	2.4	2.4
22	12	31	8.7	13	22	116	28	427	101	6.8	2.1	2.2
23	11	28	9.7	12	21	154	27	266	179	6.2	2.0	2.2
24	8.7	22	14	12	19	621	23	187	45	4.8	1.9	3.2
25	8.2	18	28	11	19	313	23	133	31	4.1	1.9	5.5
26	7.6	16	28	11	17	199	25	90	24	4.2	1.8	7.4
27	7.1	14	23	11	17	145	23	61	20	4.6	1.8	5.0
28	7.6	12	19	11	17	126	22	53	17	4.1	1.8	4.9
29	7.1	12	19	10	16	304	20	39	14	3.8	2.1	5.0
30	11	11	16	10	---	1260	18	35	12	3.5	2.4	4.6
31	62	---	15	10	---	414	---	35	---	3.1	2.1	---
TOTAL	506.2	410.6	372.1	392	532.1	4644	1615	4069	1011.7	168.3	69.0	111.8
MEAN	16.3	13.7	12.0	12.6	18.3	150	53.8	131	33.7	5.43	2.23	3.73
MAX	78	31	28	16	50	1260	244	757	202	11	3.2	9.2
MIN	6.4	8.2	7.9	10	9.4	12	18	15	8.1	3.1	1.8	1.9
CFSM	.10	.08	.07	.08	.11	.90	.32	.78	.20	.03	.01	.02
IN.	.11	.09	.08	.09	.12	1.03	.36	.91	.23	.04	.02	.02
AC-FT	1000	814	738	778	1060	9210	3200	8070	2010	334	137	222

WTR YR 1980 TOTAL 13901.8 MEAN 38.0 MAX 1260 MIN 1.8 CFSM .23 IN 3.10 AC-FT 27570

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1305	9827	9827	--	7.6	14.0	17.5	10	6.0	62
NOV 20...	1220	9827	9827	--	7.8	18.0	15.0	20	8.8	86
DEC 18...	1300	9827	9827	295	7.9	11.0	7.0	10	14.2	116
JAN 22...	1310	9827	9827	286	7.5	5.0	9.0	10	--	--
FEB 20...	1250	9827	9827	275	8.0	21.0	11.0	20	13.1	118
MAR 18...	1235	9827	9827	201	7.4	17.0	12.0	160	9.2	85
APR 15...	1330	9827	9827	251	8.0	12.0	12.0	5	12.9	119
MAY 13...	1435	9827	9827	260	7.7	28.0	24.0	20	6.9	81
JUN 17...	1435	9827	9827	276	7.7	22.0	21.0	20	--	--
JUL 15...	1240	9827	9827	--	7.9	29.0	29.5	15	7.4	97
AUG 12...	0803	9827	9827	--	7.5	27.0	27.0	20	2.6	32
SEP 16...	1415	9827	9827	285	--	30.0	29.0	--	7.1	91

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1305	3.8	44	120	42	2.8	7.2	3.0	120	12	5.0
NOV 20...	1220	.4	40	--	--	--	--	--	--	12	6.0
DEC 18...	1300	3.8	8	--	--	--	--	--	--	13	11
JAN 22...	1310	2.0	12	--	40	2.0	6.0	2.0	120	12	13
FEB 20...	1250	3.2	<4	--	--	--	--	--	--	12	25
MAR 18...	1235	5.5	>600	--	--	--	--	--	--	8.5	16
APR 15...	1330	3.5	<4	110	41	2.2	4.9	2.0	98	10	15
MAY 13...	1435	5.4	240	--	--	--	--	--	--	10	9.0
JUN 17...	1435	2.8	<1500	--	--	--	--	--	--	--	7.0
JUL 15...	1240	3.4	310	--	42	2.7	6.0	4.0	130	12	<1.0
AUG 12...	0803	2.3	340	--	--	--	--	--	--	15	3.0
SEP 16...	1415	--	100	--	--	--	--	--	--	14	<1.0

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1305	176	6	.10	.010	.020	.060	<5	<10	<5
NOV 20...	1220	177	--	--	.010	.100	.060	--	--	--
DEC 18...	1300	172	1	1.0	<.010	.010	.040	--	--	--
JAN 22...	1310	167	2	.98	.010	.030	.030	--	<10	--
FEB 20...	1250	153	6	1.2	.020	.110	.070	--	--	--
MAR 18...	1235	181	48	1.5	.100	.280	--	--	--	--
APR 15...	1330	153	10	1.5	--	.010	.030	2	<10	1
MAY 13...	1435	153	42	.80	.030	.080	.110	--	--	--
JUN 17...	1435	161	16	.89	.010	.110	.120	--	--	--
JUL 15...	1240	--	--	.19	.010	1.200	.080	--	<10	--
AUG 12...	0803	170	4	.05	<.010	.090	.080	--	--	--
SEP 16...	1415	163	24	.11	.040	--	.080	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1305	<20	140	<10	110	20	--	--	--	--	--
DEC 18...	1300	--	--	--	--	--	.00	.00	.00	.00	.00
JAN 22...	1310	<20	210	10	27	<10	.00	.00	.00	.00	.00
APR 15...	1330	<20	400	<10	39	<10	--	--	--	--	--
JUL 15...	1240	<20	--	<10	170	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC 18...	1300	.00	.00	.00	.00	0	.00
JAN 22...	1310	.00	.00	.00	.00	0	.00

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR

LOCATION.--Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi (1.1 km) downstream from Little Osage Creek, and 3.2 mi (5.1 km) northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2 (337 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
09...	1325	9827	9827	337	7.7	12.0	16.5	5	8.1	80	--
NOV											
06...	1325	9827	9827	364	7.7	9.0	11.0	10	10.6	95	--
DEC											
04...	1320	9827	9827	349	--	16.0	10.0	5	12.5	111	--
JAN											
08...	1305	9827	9827	324	7.9	3.5	6.0	15	13.9	111	--
FEB											
05...	1340	9827	9827	344	7.9	8.0	8.0	10	12.6	106	--
MAR											
04...	1315	9827	9827	335	7.7	12.0	12.0	10	11.6	107	--
APR											
01...	1300	9827	9827	260	7.6	23.0	14.5	20	10.5	102	--
MAY											
06...	1345	9827	9827	339	7.8	24.0	21.0	15	9.2	102	--
JUN											
03...	1315	9827	9827	344	7.4	27.0	24.0	15	7.0	82	--
JUL											
08...	1415	9827	9827	--	7.9	33.0	30.0	30	7.6	100	--
29...	1240	9827	9827	--	8.0	29.0	25.0	40	7.5	89	--
AUG											
26...	1320	9827	9827	383	8.0	29.0	27.0	20	8.4	104	--
26...	1855	1028	9740	300	8.1	--	28.0	--	--	--	<5
SEP											
23...	1020	9827	9827	419	7.8	20.0	21.0	5	6.7	74	--
24...	1637	1028	9740	291	7.8	--	--	--	7.0	--	8

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1325	2.3	290	120	44	1.8	15	4.0	99	20	11
NOV											
06...	1325	2.8	160	--	--	--	--	--	--	20	17
DEC											
04...	1320	3.3	120	--	--	--	--	--	--	25	12
JAN											
08...	1305	4.7	32	--	40	2.0	15	3.0	110	18	17
FEB											
05...	1340	--	<4	--	--	--	--	--	--	19	11
MAR											
04...	1315	4.1	16	--	--	--	--	--	--	18	13
APR											
01...	1300	2.0	250	100	--	1.7	7.1	3.0	82	11	11
MAY											
06...	1345	3.8	--	--	--	--	--	--	--	15	14
JUN											
03...	1315	3.1	410	--	--	--	--	--	--	17	14
JUL											
08...	1415	6.3	340	--	44	2.5	32	8.0	100	34	22
29...	1240	3.0	--	--	--	--	--	--	--	31	16
AUG											
26...	1320	3.6	--	--	--	--	--	--	--	31	11
26...	1855	--	--	128	48	2.0	10	3.7	--	10	7.0
SEP											
23...	1020	2.8	770	--	--	--	--	--	--	280	--
24...	1637	--	--	--	--	--	--	--	--	14	11

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
09...	1325	212	4	4.9	.010	.070	--	1.500	<5	<10	<5
NOV											
06...	1325	225	3	--	.050	.070	--	1.500	--	--	--
DEC											
04...	1320	215	2	5.5	.060	.120	--	1.200	--	--	--
JAN											
08...	1305	208	2	5.2	.020	.110	--	1.500	--	<10	--
FEB											
05...	1340	206	2	5.7	.060	.120	--	1.800	--	--	--
MAR											
04...	1315	189	4	5.4	.160	.340	--	--	--	--	--
APR											
01...	1300	167	19	3.8	.080	.150	--	.530	<1	<10	2
MAY											
06...	1345	--	--	5.3	.180	.120	--	1.400	--	--	--
JUN											
03...	1315	190	15	4.3	.030	.070	--	1.300	--	--	--
JUL											
08...	1415	256	20	3.9	.030	.080	--	3.200	--	<10	--
29...	1240	217	14	4.1	.010	.030	--	1.600	--	--	--
AUG											
26...	1320	227	23	3.7	.020	.040	--	1.700	--	--	--
26...	1855	--	12	--	--	--	.61	.215	<10	<2	<10
SEP											
23...	1020	221	12	1.5	.010	.050	--	2.000	--	--	--
24...	1637	--	6	--	--	--	.55	.145	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
09...	1325	<20	120	<10	<10	20
JAN						
08...	1305	<20	--	20	<10	<10
APR						
01...	1300	<20	710	<10	110	10
JUL						
08...	1415	<20	270	<10	73	20
AUG						
26...	1855	<4	140	<20	70	14

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR

LOCATION.--Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi (13.2 km) downstream from Osage Creek, and 4.6 mi (7.4 km) southeast of Siloam Springs.

DRAINAGE AREA.--509 mi^2 (1,318 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 975.00 ft (294.132 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 3,300 ft^3/s (93.5 m^3/s) Mar. 30, 1980, gage height, 10.87 ft (3.313 m), from rating curve extended above 900 ft^3/s (25.5 m^3/s); minimum, 45 ft^3/s (1.27 m^3/s) Sept. 1, 2, 1980, gage height, 4.31 ft (1.319 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,300 ft^3/s (93.5 m^3/s) Mar. 30 at 0930, gage height, 10.87 ft (3.313 m), no peak above base of 8,000 ft^3/s (227 m^3/s); minimum, 45 ft^3/s (1.27 m^3/s) Sept. 1, 2, gage height, 4.31 ft (1.314 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	217	136	107	100	115	1120	151	174	98	57	46
2	93	149	128	104	98	110	890	156	145	96	56	47
3	97	131	120	119	97	109	743	184	136	90	52	56
4	131	117	122	123	94	112	601	213	131	85	51	57
5	142	109	122	119	98	110	496	178	125	80	52	56
6	125	104	119	114	100	109	433	165	122	77	53	55
7	92	103	117	109	98	109	384	154	112	75	53	53
8	86	112	112	110	112	106	350	144	103	74	52	49
9	85	199	107	109	109	101	314	137	96	73	52	50
10	100	232	104	110	103	98	290	131	96	72	52	70
11	101	161	107	110	98	101	269	125	94	71	49	82
12	92	137	109	107	101	125	250	125	92	69	49	65
13	90	128	107	104	103	163	230	174	90	65	52	58
14	85	120	106	103	110	147	217	159	85	64	54	53
15	85	114	101	106	140	139	213	136	83	64	56	49
16	92	109	97	112	204	136	206	267	85	65	54	53
17	94	106	93	109	206	666	208	347	239	64	53	55
18	94	101	96	107	189	895	206	425	189	63	56	59
19	94	98	97	106	182	601	193	1240	154	62	57	59
20	94	106	101	109	173	483	180	547	158	61	57	56
21	92	308	104	110	165	479	171	370	334	58	56	52
22	103	483	100	114	154	449	169	528	228	60	53	49
23	125	300	101	114	144	406	165	414	518	70	52	49
24	109	248	123	112	136	1370	161	320	232	66	50	55
25	103	213	134	110	131	1160	163	260	173	64	48	68
26	98	189	131	107	128	874	171	217	147	64	48	89
27	97	176	128	103	126	695	184	363	131	65	50	72
28	94	161	122	100	125	591	165	236	117	62	51	68
29	90	149	115	101	120	556	159	193	104	61	52	67
30	100	142	112	101	---	2370	152	174	98	60	54	66
31	306	---	107	101	---	1500	---	167	---	58	50	---
TOTAL	3278	5022	3478	3370	3744	14985	9453	8400	4591	2156	1631	1763
MEAN	106	167	112	109	129	483	315	271	153	69.5	52.6	58.8
MAX	306	483	136	123	206	2370	1120	1240	518	98	57	89
MIN	85	98	93	100	94	98	152	125	83	58	48	46
CFSM	.21	.33	.22	.21	.25	.95	.62	.53	.30	.14	.10	.12
IN.	.24	.37	.25	.25	.27	1.10	.69	.61	.34	.16	.12	.13
AC-FT	6500	9960	6900	6680	7430	29720	18750	16660	9110	4280	3240	3500

WTR YR 1980 TOTAL 61871 MEAN 169 MAX 2370 MIN 46 CFSM .33 IN 4.52 AC-FT 122700

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS, AR

LOCATION.--Lat 36°06'31", long 94°32'00", in SE 1/4 NE 1/4 sec.31, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 59, 5.0 mi (8.0 km) south of Siloam Springs.

DRAINAGE AREA.--575 mi^2 (1,489 km^2), at State line.

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	0915	9827	9827	--	7.7	6.0	15.5	5	7.1	70
NOV 20...	0850	9827	9827	--	7.8	18.0	15.0	10	8.6	84
DEC 18...	0920	9827	9827	285	7.9	2.0	4.0	5	12.9	98
JAN 22...	0900	9827	9827	286	7.5	3.0	8.0	5	--	--
FEB 20...	0900	9827	9827	292	7.7	9.0	7.0	5	10.7	88
MAR 18...	0910	9827	9827	244	7.5	8.0	11.0	50	8.9	80
APR 15...	0952	9827	9827	268	7.9	13.0	9.0	5	11.7	101
MAY 13...	0915	9827	9827	283	7.7	27.0	22.0	20	6.1	69
JUN 17...	0920	9827	9827	292	7.7	--	--	20	--	--
JUL 15...	0900	9827	9827	--	7.9	29.0	29.0	10	6.4	82
AUG 12...	1020	9827	9827	--	7.9	28.0	28.0	20	6.4	81
SEP 16...	1025	9827	9827	339	--	32.0	27.0	--	5.7	70

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	0915	177	10	1.4	.010	.060	.510	<5	<10	<5
NOV 20...	0850	175	--	--	.010	.150	.440	--	--	--
DEC 18...	0920	173	2	2.2	.010	.070	.390	--	--	--
JAN 22...	0900	174	4	2.5	.030	.330	.510	--	<10	--
FEB 20...	0900	165	4	2.2	.040	.150	.390	--	--	--
MAR 18...	0910	179	35	1.8	.070	.110	--	--	--	--
APR 15...	0952	65	5	2.5	--	.010	.230	5	<10	<1
MAY 13...	0915	159	15	2.0	.010	.050	.400	--	--	--
JUN 17...	0920	176	23	1.4	.010	.050	.480	--	--	--
JUL 15...	0900	--	--	.99	.010	1.200	.510	--	<10	--
AUG 12...	1020	186	8	.70	.010	.050	.540	--	--	--
SEP 16...	1025	187	30	.80	.050	--	.590	--	--	--

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
23...	0915	1.6	60	140	51	1.9	11	3.0	110	16	8.0
NOV											
20...	0850	1.9	28	--	--	--	--	--	--	15	7.0
DEC											
18...	0920	3.5	<4	--	--	--	--	--	--	15	9.0
JAN											
22...	0900	1.8	4	--	39	2.0	10	3.0	110	14	12
FEB											
20...	0900	2.1	<4	--	--	--	--	--	--	14	11
MAR											
18...	0910	3.4	>600	--	--	--	--	--	--	12	10
APR											
15...	0952	.8	4	110	41	1.9	7.0	2.0	99	11	9.0
MAY											
13...	0915	2.4	160	--	--	--	--	--	--	14	12
JUN											
17...	0920	2.2	--	--	--	--	--	--	--	--	8.0
JUL											
15...	0900	2.2	230	--	44	1.9	14	4.0	130	18	<1.0
AUG											
12...	1020	5.3	320	--	--	--	--	--	--	20	9.0
SEP											
16...	1025	--	210	--	--	--	--	--	--	22	5.0

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	0915	<20	60	<10	26	20	--	--	--	--	--
DEC											
18...	0920	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
22...	0900	<20	230	20	31	<10	.00	.00	.00	.00	.00
APR											
15...	0952	<20	130	<10	33	<10	--	--	--	--	--
JUL											
15...	0900	<20	--	<10	100	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC							
18...	0920	.00	.00	.00	.00	0	.00
JAN							
22...	0900	.00	.00	.00	.00	0	.00

07195800 FLINT CREEK AT SPRINGTOWN, AR

LOCATION.--Lat 36°15'20", long 94°25'50", in NW 1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft (6 m) downstream from State Highway 12, 0.8 mi (1.3 km) southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2 (36.8 km^2).

PERIOD OF RECORD.--June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft (357.674 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some diversion for irrigation upstream from gage.

AVERAGE DISCHARGE.--19 years, 14.0 ft^3/s (0.40 m^3/s), 13.39 in/yr (340 mm/yr), 10,140 acre-ft/yr (12.5 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s (413 m^3/s) June 8, 1974, gage height, 17.51 ft, (5.337 m), from floodmarks, from rating curve extended above 260 ft^3/s (7.36 m^3/s) on basis of contracted-opening, and flow-over-road measurement of peak flow; no flow for part of July 9, 29, 30, Aug. 7, 1964, Sept. 16, 1980, result of pumpage for irrigation upstream from gage.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67 ft^3/s (1.90 m^3/s) Nov. 21, gage height, 4.39 ft (1.338 m), no peak above base of 260 ft^3/s (7.4 m^3/s); no flow Sept. 16, result of pumpage for irrigation above gage.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	6.2	9.6	6.0	5.5	6.2	22	5.5	4.8	5.9	1.2	.49
2	3.6	5.6	8.8	6.8	5.5	5.8	19	5.8	4.9	5.5	1.1	2.0
3	3.3	4.4	8.2	7.8	5.5	5.9	18	5.9	4.6	5.4	.00	2.2
4	3.3	4.9	7.6	5.5	5.5	5.9	15	5.7	4.6	5.3	.49	2.0
5	3.6	4.4	8.5	5.5	5.5	5.5	14	5.6	4.3	5.4	.28	1.6
6	3.8	5.8	7.2	5.7	5.3	5.5	13	5.5	4.2	5.1	.07	2.0
7	4.0	4.9	6.8	5.5	5.2	5.8	12	5.3	4.4	4.7	.14	.63
8	4.4	7.7	6.5	5.4	6.1	5.7	12	5.3	4.1	4.3	.35	1.4
9	4.1	12	7.4	5.4	5.7	5.6	10	5.1	3.9	4.2	.96	2.0
10	4.2	8.4	8.4	5.4	5.4	5.7	9.2	5.1	3.8	3.9	.42	1.2
11	4.4	7.0	6.8	5.0	5.5	5.6	8.6	5.0	3.7	4.2	.35	1.9
12	4.0	6.6	5.6	5.1	5.4	10	7.8	5.6	3.6	4.4	.42	.63
13	3.8	5.9	6.2	5.1	5.8	8.5	7.4	7.0	3.8	4.1	.42	.96
14	3.9	5.5	5.5	5.0	9.1	7.3	7.3	5.1	3.7	3.6	.96	.83
15	4.5	5.4	6.0	5.0	15	7.3	7.1	5.3	3.8	3.4	.83	.21
16	4.9	5.1	5.6	5.7	16	9.3	6.7	10	13	3.2	.96	.00
17	4.5	5.3	5.0	5.5	15	28	8.6	6.1	9.9	3.5	.42	.56
18	4.4	5.2	6.4	5.4	13	24	7.4	9.4	7.3	3.2	2.0	3.4
19	4.6	5.3	5.8	5.7	12	19	6.8	8.1	7.0	3.2	.96	2.3
20	5.3	9.8	5.4	7.8	12	17	6.5	7.4	13	2.6	.56	1.2
21	5.7	44	10	7.1	12	15	6.4	6.9	12	2.6	.49	.83
22	9.7	32	8.0	7.1	10	13	6.1	6.7	9.0	2.5	.96	1.2
23	7.2	23	6.6	6.8	9.2	18	6.0	6.7	8.0	2.2	.63	3.4
24	6.6	19	6.0	6.9	8.8	29	6.2	6.3	7.4	1.7	.96	3.3
25	6.3	16	8.4	6.5	8.0	27	6.2	5.8	7.1	1.9	1.1	6.0
26	6.1	14	7.4	6.2	7.1	23	8.2	5.6	6.5	3.6	.83	3.8
27	6.7	15	6.6	6.0	6.7	20	6.6	5.4	6.2	3.3	1.1	4.0
28	7.4	13	6.0	6.0	6.8	18	6.6	5.2	5.7	2.5	1.5	5.1
29	6.5	11	5.4	5.9	7.1	20	6.3	5.1	5.7	2.5	1.5	4.6
30	8.4	10	5.9	6.0	---	25	6.1	5.1	5.8	2.2	1.1	4.2
31	11	---	6.4	5.7	---	24	---	5.1	---	1.5	.83	---
TOTAL	163.7	322.4	214.0	184.5	239.7	425.6	283.1	187.7	185.8	111.6	23.89	63.94
MEAN	5.28	10.7	6.90	5.95	8.27	13.7	9.44	6.05	6.19	3.60	.77	2.13
MAX	11	44	10	7.8	16	29	22	10	13	5.9	2.0	6.0
MIN	3.3	4.4	5.0	5.0	5.2	5.5	6.0	5.0	3.6	1.5	.00	.00
CFSM	.37	.75	.49	.42	.58	.97	.67	.43	.44	.25	.05	.15
IN.	.43	.84	.56	.48	.63	1.11	.74	.49	.49	.29	.06	.17
AC-FT	325	639	424	366	475	844	562	372	369	221	47	127

CAL YR 1979	TOTAL	3783.80	MEAN 10.4	MAX 180	MIN 3.3	CFSM .73	IN 9.91	AC-FT 7510
WTR YR 1980	TOTAL	2405.93	MEAN 6.57	MAX 44	MIN .00	CFSM .46	IN 6.30	AC-FT 4770

07195850 FLINT CREEK NORTH OF SILOAM SPRINGS, AR

LOCATION.--Lat 36°13'53", long 94°33'20", in NE 1/4 SE 1/4 sec.23, T.18 N., R.34 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 43, upstream from confluence with Little Flint Creek, 3.0 mi (4.8 km) northwest of Siloam Springs.

DRAINAGE AREA.--34.0 mi^2 (88.1 km^2), above Little Flint Creek.

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 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1035	9827	9827	--	7.8	8.0	16.0	0	10.1	101
NOV 20...	0955	9827	9827	--	8.0	17.0	16.5	10	10.2	104
DEC 18...	1020	9827	9827	264	7.8	8.0	8.0	5	12.2	103
JAN 22...	1040	9827	9827	270	7.8	3.0	8.0	5	--	--
FEB 20...	1025	9827	9827	270	8.0	12.0	12.0	5	12.9	119
MAR 18...	1000	9827	9827	260	7.8	8.0	9.0	8	11.5	99
APR 15...	1011	9827	9827	279	8.0	29.0	13.0	5	11.7	110
MAY 13...	1013	9827	9827	286	7.9	22.0	20.0	10	9.7	105
JUN 17...	1015	9827	9827	276	7.7	23.0	21.0	10	--	--
JUL 15...	0950	9827	9827	--	7.9	35.0	25.5	10	8.6	105
AUG 12...	1115	9827	9827	--	8.1	28.0	28.0	10	8.0	101
SEP 16...	1130	9827	9827	310	--	30.0	26.0	--	8.3	101

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1035	1.5	40	120	45	2.4	9.5	2.0	97	12	13
NOV 20...	0955	2.3	280	--	--	--	--	--	--	11	9.0
DEC 18...	1020	--	540	--	--	--	--	--	--	11	15
JAN 22...	1040	1.5	>2800	--	37	2.0	8.8	2.0	110	10	14
FEB 20...	1025	2.0	4	--	--	--	--	--	--	11	14
MAR 18...	1000	1.7	32	--	--	--	--	--	--	10	11
APR 15...	1011	.7	36	110	40	2.1	8.6	2.0	110	10	17
MAY 13...	1013	2.0	180	--	--	--	--	--	--	11	16
JUN 17...	1015	1.2	580	--	--	--	--	--	--	--	17
JUL 15...	0950	2.4	92	--	45	2.1	31	8.0	120	15	15
AUG 12...	1115	1.4	>600	--	--	--	--	--	--	19	23
SEP 16...	1130	--	180	--	--	--	--	--	--	16	12

07195850 FLINT CREEK NORTH OF SILOAM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1035	155	2	.32	<.010	.030	.130	<5	<10	<5
NOV 20...	0955	156	--	.67	<.010	.100	.110	--	--	--
DEC 18...	1020	168	1	1.0	<.010	.060	.140	--	--	--
JAN 22...	1040	158	2	1.2	.010	.030	.110	--	<10	--
FEB 20...	1025	147	4	1.4	.010	.200	.090	--	--	--
MAR 18...	1000	165	5	1.3	.010	.040	--	--	--	--
APR 15...	1011	159	2	1.2	--	.010	.090	8	10	<1
MAY 13...	1013	170	3	.59	.010	.030	.150	--	--	--
JUN 17...	1015	175	4	.59	.010	.050	.210	--	--	--
JUL 15...	0950	--	--	.26	.010	2.200	.190	--	<10	--
AUG 12...	1115	180	2	.16	<.010	.070	.140	--	--	--
SEP 16...	1130	176	6	.98	.020	--	.130	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1035	<20	160	<10	12	10	--	--	--	--	--
DEC 18...	1020	--	--	--	--	--	.00	.00	.00	.00	.00
JAN 22...	1040	<20	50	10	<10	<10	.00	.00	.00	.00	.00
APR 15...	1011	<20	40	<10	28	<10	--	--	--	--	--
JUL 15...	0950	<20	310	<10	57	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC 18...	1020	.00	.00	.00	.00	0	.00
JAN 22...	1040	.00	.00	.00	.00	0	.00

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OK

LOCATION.--Lat 36°12'58", long 94°36'15", in NE 1/4 NE 1/4 sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft (54.9 m) downstream from county bridge, 2.5 mi (4.0 km) from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 m^2 (155 km^3).

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft (291.998 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Flow is partially regulated by Lake Siloam Spring, 4.5 mi (7.2 km) upstream, and sewage discharge into Flint Creek from city of Gentry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94.9 ft^3/s (2.69 m^3/s) Nov. 21, 1980, gage height, 4.65 ft (1.417 m); minimum daily, 0.40 ft^3/s (0.11 m^3/s) Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94.9 ft^3/s (2.69 m^3/s) Nov. 21, gage height, 4.65 ft (1.417 m); minimum, 0.40 ft^3/s (0.011 m^3/s) Aug. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	16	8.2	5.9	3.1	4.0	38	36	33	4.5	1.0	.50
2	7.1	12	7.7	6.6	2.6	5.0	32	38	36	4.5	.80	1.0
3	6.1	11	7.9	3.2	2.4	7.4	29	35	30	4.0	.70	1.5
4	6.0	9.2	7.4	3.2	4.4	9.4	27	38	25	4.0	.70	1.0
5	6.8	10	11	2.6	6.7	3.8	26	41	15	4.0	.60	1.0
6	7.5	6.9	6.9	5.6	2.2	5.4	25	39	15	3.5	.50	.90
7	8.4	9.4	6.5	5.2	2.0	4.9	19	41	15	3.5	.40	.60
8	9.2	14	6.4	5.0	5.0	2.6	18	41	10	3.0	.60	1.0
9	8.2	15	7.3	3.9	5.6	5.8	25	43	10	3.0	.70	1.0
10	8.1	11	8.7	6.4	3.7	3.9	23	47	9.3	2.5	.60	1.0
11	8.8	8.8	3.3	3.7	2.9	5.0	20	48	7.2	3.0	.50	2.5
12	10	7.0	5.8	3.6	3.6	9.8	17	48	6.5	3.0	.60	.90
13	11	5.9	6.3	3.4	4.3	11	17	50	6.0	2.5	.60	.90
14	13	5.8	5.0	3.5	6.0	6.5	8.5	52	5.5	2.5	.60	.80
15	11	5.1	5.7	3.6	3.7	6.9	18	56	5.0	2.0	.70	3.0
16	12	5.6	4.3	4.2	13	5.5	26	54	9.0	2.5	.70	5.5
17	12	5.8	5.3	2.9	17	35	24	67	20	3.0	1.0	2.0
18	12	6.4	5.9	3.2	15	40	29	76	8.0	2.5	1.0	4.5
19	11	8.3	5.5	3.2	12	30	29	72	3.5	2.0	2.0	1.6
20	14	11	5.0	3.4	9.6	11	28	92	4.0	2.0	1.0	1.0
21	12	53	9.8	2.4	8.4	22	28	82	25	2.5	.60	.80
22	12	35	8.4	2.2	8.9	19	27	76	15	3.0	.80	.90
23	12	24	5.4	4.2	5.1	17	28	77	10	2.0	.60	1.5
24	12	17	6.5	4.1	6.2	44	29	94	9.0	1.5	.80	2.5
25	11	16	8.7	3.5	6.1	74	20	91	8.0	1.5	.80	3.0
26	12	14	8.0	3.3	6.5	43	19	81	7.0	3.5	.70	2.5
27	11	15	6.3	3.1	5.2	38	52	70	6.0	3.0	.70	2.5
28	11	11	4.7	3.0	4.5	30	33	16	5.5	2.5	1.0	3.0
29	12	9.7	4.7	3.8	4.2	27	36	22	5.0	2.0	1.0	2.5
30	13	8.4	6.3	5.3	---	19	34	15	5.0	2.0	.80	2.5
31	11	---	6.3	3.0	---	39	---	28	---	1.5	.70	---
TOTAL	317.8	387.3	205.2	120.2	179.9	584.9	784.5	1666	368.5	86.5	23.80	53.90
MEAN	10.3	12.9	6.62	3.88	6.20	18.9	26.2	53.7	12.3	2.79	.77	1.80
MAX	14	53	11	6.6	17	74	52	94	36	4.5	2.0	5.5
MIN	6.0	5.1	3.3	2.2	2.0	2.6	8.5	15	3.5	1.5	.40	.50
AC-FT	630	768	407	238	357	1160	1560	3300	731	172	47	107

WTR YR 1980 TOTAL 4778.50 MEAN 13.1 MAX 94 MIN .40 AC-FT 9480

07196900 BARON FORK AT DUTCH MILLS, AR

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi (3.5 km) downstream from Fly Creek, and 2.9 mi (4.7 km) upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--46.0 mi^2 (119 km^2).

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft (300.676 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 38.6 ft^3/s (1.09 m^3/s), 11.40 in/yr (290 mm/yr), 27,970 acre-ft/yr (34.5 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,100 ft^3/s (484 m^3/s) July 13, 1972, gage height, 13.74 ft (4.188 m), from rating curve extended above 2,900 ft^3/s (82.1 m^3/s) on basis of contracted-opening measurement at 12,900 ft^3/s (365 m^3/s); no flow at times in 1963, 1967, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 644 ft^3/s (18.2 $m^3/2$) May 18, gage height, 4.72 ft (1.44 m), no peak above base of 2,000 ft^3/s (56.6 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	8.9	5.6	4.6	3.7	3.2	51	8.0	12	4.3	.00	.00
2	.45	6.0	5.3	4.3	3.4	3.0	40	22	10	3.7	.00	.00
3	.37	4.9	5.3	6.0	3.4	3.0	35	33	8.9	3.2	.00	.00
4	.37	4.6	5.3	6.4	3.4	3.2	29	21	8.0	2.6	.00	.00
5	.39	4.6	4.9	5.6	3.2	3.0	25	15	7.1	2.4	.00	.00
6	.39	4.3	4.9	5.6	3.2	3.0	22	13	6.4	2.0	.00	.00
7	.32	4.3	4.9	5.3	3.2	3.0	21	10	5.6	1.7	.00	.00
8	.30	6.0	4.9	5.3	4.0	3.0	19	8.9	5.3	1.7	.00	.00
9	.32	15	4.9	4.9	3.7	3.0	17	8.0	4.9	1.4	.00	.12
10	.35	13	4.9	4.9	3.7	3.0	15	7.1	4.3	1.4	.00	.30
11	.35	8.9	4.9	4.9	3.4	3.2	15	6.4	4.0	1.0	.00	.24
12	.35	7.1	5.6	4.9	3.4	4.3	14	6.0	3.7	1.0	.00	.12
13	.33	6.0	5.6	4.9	3.4	4.3	13	5.3	3.2	1.0	.00	.12
14	.33	5.6	5.6	4.9	6.0	4.3	13	4.9	3.0	.80	.00	.06
15	.38	5.6	5.3	5.3	25	4.3	12	4.6	2.8	.66	.00	.00
16	.45	5.6	5.3	6.0	22	4.6	11	25	3.7	.45	.00	.00
17	.53	5.6	4.9	5.6	17	100	12	15	7.5	.37	.00	.00
18	.61	6.8	4.9	4.9	13	39	11	223	12	.30	.00	.06
19	.76	8.0	4.9	5.3	11	25	10	103	56	.24	.00	.06
20	.82	10	5.3	5.6	9.3	21	9.3	47	56	.18	.00	.00
21	.79	35	5.3	5.6	8.4	27	8.9	125	55	.90	.00	.00
22	2.0	23	5.6	5.6	6.8	22	8.4	138	28	.66	.00	.00
23	1.8	14	6.8	5.6	6.0	63	7.5	75	27	.30	.00	.18
24	1.6	11	14	4.9	5.3	128	9.3	47	15	.24	.00	.18
25	1.3	8.8	13	4.9	4.6	60	10	32	11	.24	.00	.24
26	1.3	8.0	10	4.6	4.3	42	10	23	8.4	.24	.00	.00
27	1.3	7.5	8.4	4.3	4.0	32	9.8	19	7.5	.30	.00	.06
28	1.3	6.8	7.1	4.3	3.4	29	8.9	15	6.4	.30	.00	.30
29	1.3	6.0	6.4	4.0	3.4	90	8.9	14	5.3	.18	.00	.24
30	13	6.0	5.6	3.7	---	137	8.0	18	4.9	.18	.00	.12
31	31	---	5.3	3.7	---	72	---	16	---	.06	.00	---
TOTAL	65.36	266.9	190.7	156.4	194.6	942.4	484.0	1108.2	392.9	34.00	.00	2.40
MEAN	2.11	8.90	6.15	5.05	6.71	30.4	16.1	35.7	13.1	1.10	.000	.080
MAX	31	35	14	6.4	25	137	51	223	56	4.3	.00	.30
MIN	.30	4.3	4.9	3.7	3.2	3.0	7.5	4.6	2.8	.06	.00	.00
CFSM	.05	.19	.13	.11	.15	.66	.35	.78	.29	.02	.000	.002
IN.	.05	.22	.15	.13	.16	.76	.39	.90	.32	.03	.00	.00
AC-FT	130	529	378	310	386	1870	960	2200	779	67	.00	4.8

CAL YR 1979 TOTAL 10808.07 MEAN 29.6 MAX 1610 MIN .30 CFSM .64 IN 8.74 AC-FT 21440
WTR YR 1980 TOTAL 3837.86 MEAN 10.5 MAX 223 MIN .00 CFSM .23 IN 3.10 AC-FT 7610

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	0835	9827	9827	--	7.7	3.0	13.0	5	5.7	54
NOV 20...	0810	9827	9827	--	8.0	18.0	16.0	10	9.4	94
DEC 18...	0840	9827	9827	358	8.0	.0	2.5	5	14.6	107
JAN 22...	0815	9827	9827	344	7.4	4.0	6.0	5	--	--
FEB 20...	0815	9827	9827	320	7.9	9.0	8.0	5	10.7	90
MAR 18...	0830	9827	9827	254	7.7	10.0	8.0	40	11.4	96
APR 15...	0750	9827	9827	313	8.1	10.0	8.0	5	14.4	121
MAY 13...	0815	9827	9827	322	7.7	24.0	22.0	20	6.1	69
JUN 17...	0835	9827	9827	292	7.6	22.0	22.0	15	--	--
JUL 15...	0825	9827	9827	--	7.7	26.0	28.0	15	7.0	89
SEP 16...	0950	9827	9827	222	--	32.0	28.0	--	7.5	95

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY, (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	0835	2.4	290	69	23	2.9	6.6	3.0	120	9.5	9.0
NOV 20...	0810	2.1	>240	--	--	--	--	--	--	12	21
DEC 18...	0840	5.3	96	--	--	--	--	--	--	13	24
JAN 22...	0815	2.3	28	--	47	3.0	10	3.0	140	12	26
FEB 20...	0815	2.0	--	--	--	--	--	--	--	12	28
MAR 18...	0830	.5	>660	--	--	--	--	--	--	9.0	17
APR 15...	0750	3.2	52	140	50	4.6	5.8	2.0	120	10	20
MAY 13...	0815	--	24	--	--	--	--	--	--	10	15
JUN 17...	0835	1.8	--	--	--	--	--	--	--	--	11
JUL 15...	0825	4.2	64	--	38	3.1	6.0	3.0	120	8.5	2.0
SEP 16...	0950	--	60	--	--	--	--	--	--	13	1.0

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
23...	0835	172	4	.07	<.010	.020	.090	<5	<10	<5
NOV										
20...	0810	206	--	.80	.010	.120	.090	--	<10	--
DEC										
18...	0840	217	1	1.4	.010	.030	.130	--	<10	--
JAN										
22...	0815	206	6	1.5	.010	.040	.260	--	<10	--
FEB										
20...	0815	179	3	1.8	.030	.140	.170	--	<10	--
MAR										
18...	0830	180	8	2.5	.030	.040	--	--	<10	--
APR										
15...	0750	186	2	1.6	--	.010	.060	3	10	<1
MAY										
13...	0815	189	8	.20	.010	.020	.120	--	<10	--
JUN										
17...	0835	170	4	.39	.010	.050	.090	--	<10	--
JUL										
15...	0825	--	--	.09	.010	1.400	.070	--	<10	--
SEP										
16...	0950	122	13	.09	.030	--	.100	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	0835	<20	120	<10	64	20	--	--	--	--	--
NOV											
20...	0810	<20	210	--	380	10	--	--	--	--	--
DEC											
18...	0840	<20	1500	--	16	20	.00	.00	.00	.00	.00
JAN											
22...	0815	<20	60	<10	39	<10	.00	.00	.00	.00	.00
FEB											
20...	0815	<20	60	--	<10	<10	--	--	--	--	--
MAR											
18...	0830	<20	760	--	27	<10	--	--	--	--	--
APR											
15...	0750	<20	80	<10	13	40	--	--	--	--	--
MAY											
13...	0815	<20	410	--	140	180	--	--	--	--	--
JUN											
17...	0835	<20	90	--	66	<10	--	--	--	--	--
JUL											
15...	0825	<20	--	<10	74	10	--	--	--	--	--
SEP											
16...	0950	<20	200	--	26	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC							
18...	0840	.00	.00	.00	.00	0	.00
JAN							
22...	0815	.00	.00	.00	.00	0	.00

07247000 POTEAU RIVER AT CAUTHRON, AR

LOCATION.--Lat 34°55'08", long 94°17'55", in NW 1/4 SW 1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi (4.7 km) downstream from Cross Creek, 7.8 mi (12.6 km) downstream from Jones Creek, and at mile 109.0 (175.4 km).

DRAINAGE AREA.--203 mi^2 (526 km^2).

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

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft (173.593 m) National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. As of September 1974, flow from 92.2 mi^2 (239 km^2) upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft (48.2 hm^3) below the flood spillway crests, of which 33,524 acre-ft (41.3 hm^3) is flood-detention capacity, 2,100 acre-ft (2.59 hm^3) is water-supply storage, and 3,458 acre-ft (4.67 hm^3) is sediment-storage capacity.

AVERAGE DISCHARGE.--41 years, 215 ft^3/s (6.09 m^3/s), 14.38 in/yr (365 mm/yr), 155,800 acre-ft/yr (192 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft^3/s (912 m^3/s) May 20, 1960, gage height, 23.76 ft (7.242 m); no flow at times in most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft (8.35 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,670 ft^3/s (189 m^3/s) Dec. 24, gage height, 16.56 ft (5.047 m); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	78	13	151	88	38	750	340	74	1.4	.00	.00
2	.66	33	13	126	67	35	550	980	60	1.2	.00	.00
3	.58	20	12	128	63	32	480	2300	54	1.0	.00	.00
4	.54	16	12	143	62	31	420	1080	48	.87	.00	.00
5	.50	14	12	115	61	31	360	530	43	.71	.00	.00
6	.50	13	11	95	63	30	330	365	40	.61	.00	.00
7	.47	13	10	84	65	28	310	270	37	.58	24	.00
8	.45	13	10	72	57	26	390	210	27	.56	7.8	.00
9	.45	19	9.1	63	311	24	490	175	22	.54	2.0	.00
10	.44	20	8.4	57	365	23	260	150	15	.53	1.2	.00
11	.44	19	8.3	68	262	22	210	130	14	.50	.90	.00
12	.43	17	99	96	270	214	160	115	13	.49	.71	.00
13	.43	16	508	66	238	174	510	120	11	.48	.57	.00
14	.43	14	201	58	221	144	2200	240	9.7	.46	.52	.00
15	.44	13	114	53	211	576	780	1040	8.4	.45	.48	.00
16	.44	12	82	54	187	390	517	4190	7.3	.44	.44	.00
17	.46	11	62	73	148	265	388	2700	6.2	.40	.41	.00
18	.48	10	49	64	129	215	330	1600	5.9	.30	.37	.00
19	.48	10	43	55	120	181	270	760	4.7	.24	.30	.00
20	.48	11	41	63	113	322	220	550	4.7	.24	.21	.00
21	.49	136	37	116	100	1520	190	490	4.7	.20	.13	.00
22	.58	98	394	246	84	730	165	1100	4.5	.20	.05	.00
23	.59	60	2160	320	72	1000	145	580	4.5	.17	.00	.00
24	.59	34	3860	184	63	2200	125	450	4.4	.08	.00	.00
25	.59	25	1070	150	55	1050	230	360	3.5	.01	.00	.00
26	.58	21	768	127	51	700	255	280	2.9	.00	.00	.00
27	.58	19	453	107	46	450	215	220	2.7	.00	.00	.10
28	.63	17	335	91	43	670	170	160	2.2	.00	.00	.51
29	.68	16	270	83	41	1300	140	128	1.8	.00	.00	.55
30	6.4	15	221	83	---	2800	115	104	1.7	.00	.00	4.5
31	130	---	184	93	---	980	---	88	---	.00	.00	---
TOTAL	151.64	813	11069.8	3284	3656	16201	11675	21805	537.8	12.66	40.09	5.66
MEAN	4.89	27.1	357	106	126	523	389	703	17.9	.41	1.29	.19
MAX	130	136	3860	320	365	2800	2200	4190	74	1.4	24	4.5
MIN	.43	10	8.3	53	41	22	115	88	1.7	.00	.00	.00
AC-FT	301	1610	21960	6510	7250	32130	23160	43250	1070	25	80	11

CAL YR 1979 TOTAL 148780.67 MEAN 408 MAX 6220 MIN .43 AC-FT 295100
WTR YR 1980 TOTAL 69251.65 MEAN 189 MAX 4190 MIN .00 AC-FT 137400

07247012 POTEAU RIVER SOUTH OF BATES, AR

LOCATION.--Lat 34°53'44", long 94°23'35", in SW 1/4 NW 1/4 sec.27, T.3 N., R.32 W., Scott County, Hydrologic Unit 11110105, at bridge on county road, 0.9 mi (1.4 km) south of Bates.

DRAINAGE AREA.--251 mi^2 (650 km^2).

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
09...	1530	9827	9827	123	6.9	16.0	20.0	20	6.4	69
NOV										
20...	1540	9827	9827	62	7.4	21.0	18.0	50	9.5	100
DEC										
04...	1140	9827	9827	102	7.1	15.0	10.0	70	10.0	88
JAN										
08...	1115	9827	9827	67	6.4	10.0	8.0	80	11.6	97
FEB										
05...	1110	9827	9827	82	7.0	9.0	9.0	30	12.3	106
MAR										
04...	1105	9827	9827	76	7.0	17.0	11.0	40	11.9	107
APR										
01...	1130	9827	9827	--	6.7	17.0	12.0	60	9.3	86
MAY										
06...	1110	9827	9827	--	6.3	26.0	20.0	70	7.0	76
JUN										
03...	1030	9827	9827	--	6.8	24.0	21.0	40	--	--
JUL										
15...	1220	9827	9827	--	7.3	31.0	22.0	75	7.0	80
29...	1010	9827	9827	--	7.5	28.0	27.0	75	4.2	52
AUG										
26...	1030	9827	9827	139	7.5	34.0	26.0	30	2.8	34
SEP										
23...	1530	9827	9827	130	--	24.0	26.0	50	6.4	78

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1530	--	24	29	5.1	3.6	5.7	2.0	25	6.5	7.0
NOV											
20...	1540	.7	<4	--	--	--	--	--	--	5.0	9.0
DEC											
04...	1140	3.9	48	--	--	--	--	--	--	11	12
JAN											
08...	1115	3.2	40	22	3.0	3.0	5.0	3.0	15	6.5	14
FEB											
05...	1110	3.9	8	--	--	--	--	--	--	11	14
MAR											
04...	1105	2.1	4	--	--	--	--	--	--	7.0	13
APR											
01...	1130	5.8	160	22	3.2	2.2	6.1	2.0	13	6.5	13
MAY											
06...	1110	3.5	260	--	--	--	--	--	--	4.5	16
JUN											
03...	1030	1.7	100	--	--	--	--	--	--	5.0	13
JUL											
15...	1220	3.3	16	--	6.0	6.1	7.0	2.0	--	--	--
29...	1010	3.1	56	--	--	--	--	--	--	--	7.0
AUG											
26...	1030	2.1	<4	--	--	--	--	--	--	8.0	<1.0
SEP											
23...	1530	6.3	--	--	--	--	--	--	--	6.5	<1.0

07247012 POTEAU RIVER SOUTH OF BATES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1530	63	6	.02	<.010	.060	.030	<5	<10	10
NOV										
20...	1540	51	16	.03	.010	.160	.020	--	--	--
DEC										
04...	1140	96	10	.28	.030	.710	.180	--	--	--
JAN										
08...	1115	--	6	.27	.020	.150	.070	--	<10	--
FEB										
05...	1110	--	--	.35	.010	--	.110	--	--	--
MAR										
04...	1105	42	8	.11	.010	.030	.040	--	--	--
APR										
01...	1130	54	40	.11	.040	.090	.080	<1	<10	6
MAY										
06...	1110	--	--	.11	.020	.070	.080	--	--	--
JUN										
03...	1030	--	17	.07	.010	.070	.040	--	--	--
JUL										
15...	1220	--	--	<.01	.010	.020	.050	--	<10	--
29...	1010	70	30	--	<.010	.020	.010	--	--	--
AUG										
26...	1030	85	7	.04	.010	.090	.040	--	--	--
SEP										
23...	1530	83	59	.25	.030	.120	.170	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1530	<20	680	<10	100	40	--	--	--	--	--
JAN											
08...	1115	<20	1100	10	56	--	.00	.00	.00	.00	.00
APR											
01...	1130	<20	2700	<10	14	20	--	--	--	--	--
JUL											
15...	1220	<20	--	<10	220	--	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
08...	1115	.00	.00	.00	.00	0	.00

07249400 JAMES FORK NEAR HACKETT, AR

LOCATION.--Lat 35°09'45", long 94°24'25", in NW 1/4 NW 1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi (2.7 km) south of Hackett, 2.0 mi (3.2 km) downstream from Elder Branch, 2.0 mi (3.2 km) upstream from small tributary, and 3.6 mi (5.8 km) upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2 (381 km^2).

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

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

GAGE.--Water-stage recorder. Datum of gage is 459.71 ft (140.120 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 129 ft^3/s (3.65 m^3/s), 11.92 in/yr (303 mm/yr), 93,460 acre-ft/yr (115 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s (850 m^3/s) May 14, 1968, gage height, 23.00 ft (7.010 m), from rating curve extended above 20,000 ft^3/s (566 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,510 ft^3/s (99.4 m^3/s) May 16 at 1300 hours, gage height, 17.31 ft (5.276 m), no other peak above base of 3,000 ft^3/s (85.0 m); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	49	7.3	73	54	43	141	83	77	6.7	.13	.00
2	.81	21	7.4	65	50	41	115	375	65	6.5	.10	.00
3	1.0	13	6.9	86	50	40	105	1220	56	6.0	.06	.00
4	.95	8.9	6.9	129	50	41	99	351	50	5.6	.03	.00
5	.84	6.8	7.2	92	49	40	77	209	43	5.2	.00	.00
6	.78	5.5	13	79	50	37	68	149	37	4.8	.00	.00
7	.78	14	29	70	32	36	63	121	35	4.5	.00	.00
8	.72	28	22	62	39	35	156	104	34	4.3	.00	.00
9	.68	51	14	57	166	22	81	90	32	3.8	.00	.00
10	.64	47	13	55	129	15	55	79	32	3.5	.00	.00
11	.64	38	13	57	137	14	68	71	31	3.2	.00	.00
12	.63	33	48	54	191	21	61	64	29	2.6	.00	.00
13	.62	31	187	50	163	46	293	63	28	2.3	.00	.00
14	.61	29	91	48	156	27	516	55	28	1.9	.00	.00
15	.61	22	67	47	160	21	242	71	27	1.8	.00	.00
16	.60	9.8	56	55	140	18	151	2240	26	1.6	.01	.00
17	.66	6.5	46	59	104	52	155	597	31	1.3	.03	.00
18	.80	5.5	41	52	93	85	160	319	32	1.1	.03	.00
19	.73	4.5	31	48	91	49	120	246	22	.91	.00	.00
20	.69	5.3	20	65	86	59	101	178	15	.73	.00	.00
21	.68	32	19	102	78	35	88	126	14	.62	.00	.00
22	1.0	85	26	137	69	28	77	280	13	.43	.00	.00
23	.94	34	291	98	63	107	67	268	12	.31	.00	.00
24	.90	22	799	82	58	425	60	167	12	.25	.00	.00
25	.86	17	211	73	54	145	75	113	11	.17	.00	.00
26	.83	14	137	66	50	95	90	82	9.0	.25	.00	.00
27	.81	11	106	60	49	72	76	65	8.1	.43	.00	.00
28	.90	9.4	87	56	48	94	55	96	7.6	.31	.00	.00
29	1.1	8.4	75	57	46	130	43	234	7.4	.24	.07	.00
30	68	7.7	90	62	---	339	37	162	7.3	.22	.00	.00
31	244	---	82	61	---	174	---	100	---	.19	.00	---
TOTAL	334.53	669.3	2649.7	2157	2505	2386	3495	8378	831.4	71.76	.46	.00
MEAN	10.8	22.3	85.5	69.6	86.4	77.0	117	270	27.7	2.31	.015	.000
MAX	244	85	799	137	191	425	516	2240	77	6.7	.13	.00
MIN	.60	4.5	6.9	47	32	14	37	55	7.3	.17	.00	.00
CFSM	.07	.15	.58	.47	.59	.52	.80	1.84	.19	.02	.000	.000
IN.	.08	.17	.67	.55	.63	.60	.88	2.12	.21	.02	.00	.00
AC-FT	664	1330	5260	4280	4970	4730	6930	16620	1650	142	.9	.00

CAL YR 1979	TOTAL	92897.12	MEAN	255	MAX	5630	MIN	.42	CFSM	1.74	IN	23.51	AC-FT	184300
WTR YR 1980	TOTAL	23478.15	MEAN	64.1	MAX	2240	MIN	.00	CFSM	.44	IN	5.94	AC-FT	46570

07250000 LEE CREEK NEAR VAN BUREN, AR

LOCATION.--Lat 35°29'40", long 94°26'58", in SE 1/4 sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft (91 m) west of Arkansas-Oklahoma State line, 3.2 mi (5.1 km) downstream from Webbers Creek, 6.8 mi (10.9 km) northwest of Van Buren, and at mile 7.8 (12.6 km).

DRAINAGE AREA.--426 mi^2 (1,103 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year.

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 408.04 ft (124.371 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years (1930-36, 1950-80), 492 ft^3/s (13.9 m^3/s), 15.68 in/yr (398 mm/yr), 356,500 acre-ft/yr (440 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s (2,280 m^3/s) May 6, 1960, gage height, 30.30 ft (9.235 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft (10.67 m), from floodmarks, discharge, about 112,000 ft^3/s (3,170 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,860 ft^3/s (109 m^3/s) Mar. 24, gage height, 6.68 ft (2.036 m), no peak above base of 13,000 ft^3/s (370 m^3/s); no flow Aug. 3 to Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	4.2	62	94	33	68	1140	162	186	21	.05	.00
2	1.0	2.9	56	87	31	64	896	377	162	18	.01	.00
3	.88	2.2	50	87	29	60	1100	643	140	16	.00	.00
4	.70	2.0	48	83	29	58	1140	507	121	13	.00	.00
5	.56	7.1	43	78	28	56	896	413	106	10	.00	.00
6	.41	7.1	38	72	26	52	737	338	92	8.4	.00	.00
7	.35	6.3	34	68	25	48	631	289	80	7.1	.00	.00
8	.30	6.7	31	64	34	47	595	264	70	6.3	.00	.00
9	.30	11	29	60	34	43	518	212	60	5.3	.00	.00
10	.25	14	26	58	31	40	446	189	52	4.7	.00	.00
11	.25	17	25	54	31	38	399	165	45	4.3	.00	.00
12	.21	21	26	50	29	47	359	146	34	3.6	.00	.00
13	.21	31	28	47	31	45	322	132	28	3.3	.00	.00
14	.25	28	26	45	38	40	293	118	22	2.9	.00	.00
15	.25	24	24	43	54	38	268	108	18	2.5	.00	.00
16	.25	22	22	45	58	36	245	497	16	2.1	.00	.00
17	.30	20	20	43	80	92	237	502	24	1.7	.00	.00
18	.30	19	18	40	123	486	234	797	40	1.4	.00	.00
19	.30	19	18	38	132	418	226	2060	45	1.0	.00	.00
20	.65	22	17	40	129	334	212	1170	43	.82	.00	.00
21	.88	103	17	40	123	314	196	783	89	.82	.00	.00
22	.95	252	18	40	116	342	183	2140	155	.82	.00	.00
23	.88	252	21	38	108	825	174	1720	134	.65	.00	.00
24	.88	180	66	36	101	3360	165	1130	106	.41	.00	.00
25	.88	143	94	36	94	1740	174	790	85	.25	.00	.00
26	1.0	121	171	36	85	1100	196	550	68	.21	.00	.00
27	1.1	103	165	36	80	825	196	408	56	.30	.00	.00
28	.70	89	143	36	76	673	186	318	43	.18	.00	.00
29	.82	78	126	34	72	692	177	260	33	.15	.00	.00
30	1.6	68	113	36	---	2310	165	223	26	.10	.00	.00
31	5.6	---	103	34	---	1680	---	206	---	.07	.00	---
TOTAL	23.96	1675.5	1678	1598	1860	15971	12706	17617	2179	137.38	.06	.00
MEAN	.77	55.9	54.1	51.5	64.1	515	424	568	72.6	4.43	.002	.000
MAX	5.6	252	171	94	132	3360	1140	2140	186	21	.05	.00
MIN	.21	2.0	17	34	25	36	165	108	16	.07	.00	.00
CFSM	.002	.13	.13	.12	.15	1.21	1.00	1.33	.17	.01	.000	.000
IN.	.00	.15	.15	.14	.16	1.39	1.11	1.54	.19	.01	.00	.00
AC-FT	48	3320	3330	3170	3690	31680	25200	34940	4320	272	.1	.00

CAL YR 1979	TOTAL	150096.69	MEAN 411	MAX 8620	MIN .21	CFSM .97	IN 13.11	AC-FT 297700				
WTR YR 1980	TOTAL	55445.90	MEAN 151	MAX 3360	MIN .00	CFSM .35	IN 4.84	AC-FT 110000				

07250500 ARKANSAS RIVER AT VAN BUREN, AR

LOCATION.--Lat 35°25'42", long 94°21'37", in SE 1/4 SW 1/4 sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi (2.3 km) downstream from Lee Creek, 8.7 mi (14.0 km) downstream from Poteau River, and at mile 316.5 (509.2 km).

DRAINAGE AREA.--150,482 mi^2 (242,126 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
09...	1035	9827	9827	1140	8.1	15.0	22.0	5	8.8	100	14
NOV											
20...	1145	9827	9827	732	8.1	21.0	15.0	20	12.1	119	8
DEC											
04...	0945	9827	9827	696	7.9	7.0	11.0	40	11.7	105	13
JAN											
08...	1530	9827	9827	567	7.5	10.0	10.0	30	11.8	104	--
FEB											
05...	1710	9827	9827	859	8.0	14.0	10.0	50	13.7	121	10
MAR											
04...	1650	9827	9827	1160	8.6	19.0	12.0	15	15.6	144	17
APR											
01...	1610	9827	9827	--	7.8	18.0	14.0	50	10.5	101	16
MAY											
06...	1640	9827	9827	--	7.9	29.0	22.0	60	8.5	97	20
JUL											
15...	0730	9827	9827	--	8.1	21.0	19.0	80	8.5	90	--
29...	1410	9827	9827	--	8.4	35.0	28.0	90	10.0	127	--
AUG											
26...	1520	9827	9827	--	8.3	38.0	29.0	20	8.6	110	--
SEP											
23...	1120	9827	9827	816	--	25.0	26.0	--	7.2	88	15

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1035	--	8	130	33	11	160	5.0	95	300	72
NOV											
20...	1145	2.5	8	--	--	--	--	--	--	150	51
DEC											
04...	0945	2.8	170	--	--	--	--	--	--	130	45
JAN											
08...	1530	3.3	<4	110	31	7.0	62	5.0	94	94	40
FEB											
05...	1710	5.9	<4	--	--	--	--	--	--	180	19
MAR											
04...	1650	3.5	<4	--	--	--	--	--	--	260	58
APR											
01...	1610	3.3	160	130	37	7.7	72	4.0	84	110	49
MAY											
06...	1640	3.1	50	--	--	--	--	--	--	170	55
JUL											
15...	0730	3.9	48	--	45	13	150	7.0	--	--	--
29...	1410	1.6	40	--	--	--	--	--	--	--	70
AUG											
26...	1520	4.0	<4	--	--	--	--	--	--	--	58
SEP											
23...	1120	3.5	<4	--	--	--	--	--	--	170	59

07250500 ARKANSAS RIVER AT VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
09...	1035	646	12	.08	.010	.070	.50	.070	<5	<10	<5
NOV											
20...	1145	452	26	.27	.010	.190	1.9	.060	--	--	--
DEC											
04...	0945	379	37	.43	.010	.170	--	.150	--	--	--
JAN											
08...	1530	--	18	.16	.020	.070	2.0	.070	--	<10	--
FEB											
05...	1710	--	--	.15	.010	--	<.10	.100	--	--	--
MAR											
04...	1650	631	20	.25	.010	.040	.40	.110	--	--	--
APR											
01...	1610	315	52	.40	.040	.110	.60	.100	2	<10	8
MAY											
06...	1640	--	--	.63	.040	.050	.60	.150	--	--	--
JUL											
15...	0730	557	--	.10	.030	.050	<1.0	.080	--	<10	--
29...	1410	475	8	--	.010	.110	1.4	.090	--	--	--
AUG											
26...	1520	401	18	.02	<.010	.030	.80	.080	--	--	--
SEP											
23...	1120	437	21	.05	1.000	.080	1.0	.100	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1035	<20	270	<10	26	30	--	--	--	--	--
JAN											
08...	1530	<20	720	10	45	--	.00	.00	.00	.00	.00
APR											
01...	1610	20	2200	20	140	40	.00	--	--	--	--
MAY											
06...	1640	--	--	--	--	--	.00	--	--	--	--
JUL											
15...	0730	<20	--	<10	60	--	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
08...	1530	.00	.00	.00	.00	0	.00

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

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in Dam No. 13 control house on right bank and at mile 308.9 (497.0 km).

DRAINAGE AREA.--150,547 mi^2 (389,917 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren." Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi (26.2 km) upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1954. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi (12.7 km) upstream at datum 372.36 ft (113.495 m) higher.

REMARKS.--Records good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--53 years, 31,040 ft^3/s (879 m^3/s), 22,490,000 acre-ft/yr (27,700 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft^3/s (24,100 m^3/s) May 12, 1943, gage height, 38.0 ft (11.58 m), from floodmark, site and datum then in use; maximum gage height, 38.10 ft (11.613 m), former site site and datum, Apr. 16, 1945; no flow Nov. 2, 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, that of Apr. 16, 1945, and maximum discharge since at least 1833, that of May 12, 1943. Flood in June 1833 reached a stage of 38.0 ft (11.6 m) on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft (10.67 m), former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83,500 ft^3/s (2,360 m^3/s) June 20; maximum tailwater elevation, 383.39 ft (116.857 m) June 20; minimum daily discharge, 48 ft^3/s (1.36 m^3/s) Oct. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9400	9250	40900	8590	16900	17500	45100	55600	32300	22700	12800	1760
2	5540	5360	40900	11600	10800	13900	44000	60100	35900	23300	4020	8400
3	6380	2700	35200	8820	8920	17800	43300	74200	32300	20100	908	10200
4	5570	7130	31600	13100	12100	16400	46800	59700	33500	17500	5930	8070
5	8170	9760	29200	9470	15800	16900	48100	43000	32200	16400	7200	9360
6	64	9470	28400	5880	12800	13800	47400	41400	37200	15300	6450	7220
7	79	10200	29000	9790	13600	13100	44800	42900	30800	16600	4130	1140
8	3340	13200	29100	13600	17000	4360	50000	38000	26200	16600	6130	9140
9	4520	12300	27700	12300	13400	4780	51700	30600	21500	15600	6310	8550
10	4920	20800	23300	12500	16700	12500	52000	22100	24400	19600	1010	7580
11	4710	15000	28600	13500	15600	12000	52700	22000	16600	18800	12500	7270
12	6710	16500	25800	5660	13000	15600	42500	19800	20700	21500	9530	6300
13	720	17300	30000	3810	13000	15500	41800	23000	22300	20000	9600	6320
14	522	11300	26600	11700	14100	17400	31300	21800	19000	21000	6290	62
15	5710	14600	24500	11600	16600	3390	15100	14200	11400	14500	6590	5850
16	6960	11000	15800	9760	15900	1350	39900	37000	13100	17200	2720	4510
17	9090	7530	21000	12400	17400	17400	44800	30100	18000	16700	649	1060
18	7060	6630	18600	11100	17900	23400	46100	27600	43500	19900	8340	1230
19	4600	4670	15900	3410	15800	24200	43600	37100	65900	6340	11300	1600
20	4690	17000	14700	1580	25800	20700	40800	41500	80400	9370	9970	3030
21	48	36800	15500	14800	21700	23700	41900	43800	46500	11700	11900	56
22	10500	56100	8970	13000	23000	17800	41800	46900	38400	13100	3560	5630
23	7870	49500	12300	15400	10900	11500	33600	47100	38100	11800	1610	4020
24	4020	55700	13900	14000	14500	32000	24400	47200	37500	9180	1680	3270
25	1180	58300	2680	11800	25600	23600	21700	32700	34500	8380	8430	5390
26	4260	60500	8480	7950	25100	39000	35000	29800	36500	8450	5000	3010
27	77	54600	7270	11100	19300	33000	41400	33400	35600	7290	5120	981
28	138	44400	12200	13500	15200	38700	55900	31900	25900	8680	4160	3890
29	3070	40000	8460	19000	16400	32200	60500	41600	21800	11200	3190	3330
30	2450	40700	3140	21800	---	40900	61400	40700	23600	11400	10300	1190
31	5410	---	10700	22700	---	48100	---	39600	---	12100	2510	---
TOTAL	137778	718300	640400	355220	474820	622480	1289400	1176400	955600	462290	189837	139419
MEAN	4444	23940	20660	11460	16370	20080	42980	37950	31850	14910	6124	4647
MAX	10500	60500	40900	22700	25800	48100	61400	74200	80400	23300	12800	10200
MIN	48	2700	2680	1580	8920	1350	15100	14200	11400	6340	649	56
AC-FT	273300	1425000	1270000	704600	941800	1235000	2558000	2333000	1895000	917000	376500	276500

CAL YR 1979 TOTAL 10085789 MEAN 27630 MAX 107000 MIN 48 AC-FT 20010000
WTR YR 1980 TOTAL 7161944 MEAN 19570 MAX 80400 MIN 48 AC-FT 14210000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED
(National tritium and pesticide station)
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to current year.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since December 1969.

COOPERATION.--Pesticide samples were collected by the U.S. Geological Survey and were analyzed by Environmental Protection Agency. Sediment records furnished by Corps of Engineers, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily 1,590 micromhos Feb. 26, 1970; minimum daily, 123 micromhos Apr. 30, 1971.
WATER TEMPERATURES: Maximum daily, 35.0°C Jul. 6, 1980; minimum daily, 0.0°C Jan. 10, 1970.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 950 mg/L Oct. 27, 1970; minimum daily mean, 0 mg/L on many days.
SEDIMENT LOADS: Maximum daily, 347,000 tons (315,000 tonnes) Dec. 10, 1971; minimum daily, 0 tons (0 tonnes) on many days.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,120 Jul. 7; minimum daily, 308 Jan. 1.
WATER TEMPERATURES: Maximum daily, 35.0°C Jul. 6; minimum daily, 2.0 Feb. 8-10.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 260 mg/L June 13-15; minimum daily mean, 0 mg/L on many days.
SEDIMENT LOADS: Maximum daily, 39,100 tons (35,500 tonnes) June 20; minimum daily, 0 tons (0 tonnes) on many days.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
02...	0830	1028	1028	7270	1200	8.0	23.0	14	8.6	102	K27	K4
31...	0930	1028	1028	7820	1010	7.9	17.5	14	8.4	90	293	308
NOV												
29...	0830	1028	1028	41500	814	7.8	8.0	45	10.6	92	660	140
JAN												
03...	0845	1028	1028	--	417	7.7	6.0	30	11.4	94	K73	K44
FEB												
01...	0900	1028	1028	25100	839	8.0	2.5	12	13.6	99	--	--
27...	0900	1028	1028	--	1340	8.0	3.0	9.4	12.8	98	K7	K16
MAR												
02...	0840	--	--	8600	--	--	--	--	--	--	--	--
APR												
16...	0830	1028	1028	37000	719	7.7	10.5	33	11.2	100	<4	<4
MAY												
21...	0845	1028	1028	42600	905	8.0	20.5	54	8.7	96	K60	K72
JUN												
12...	0830	1028	1028	8470	1029	8.2	26.0	23	7.6	93	K47	K72
JUL												
08...	0830	1028	1028	8930	1122	8.2	32.5	18	7.1	96	K22	K12
30...	0830	1028	1028	997	816	8.1	30.0	17	7.4	96	K40	K8
SEP												
03...	1000	1028	1028	908	738	8.1	28.0	8.8	6.7	85	K7	K2

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
02...	170	74	53	9.9	170	73	5.6	4.7	99	80	250
31...	160	65	47	11	150	66	5.1	4.9	98	66	210
NOV											
29...	140	52	43	8.7	110	61	4.0	5.3	91	50	160
JAN											
03...	91	21	27	5.6	45	58	2.1	3.6	70	31	63
FEB											
01...	160	64	45	11	120	62	4.2	4.4	94	52	180
27...	180	79	52	12	200	70	6.5	4.8	100	69	320
APR											
16...	160	60	46	9.8	86	54	3.0	3.9	95	54	130
MAY											
21...	140	53	39	9.9	130	66	4.8	4.3	85	60	200
JUN											
12...	160	34	46	12	140	64	4.8	4.8	130	75	200
JUL											
08...	180	76	49	13	150	64	4.9	6.2	100	84	230
30...	160	39	44	12	110	59	3.8	5.5	120	63	160
SEP											
03...	180	55	47	14	83	50	2.7	5.8	120	59	140

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
02...	.3	.2	632	628	.86	12400	.13	.080	.74	.82	.34
31...	.3	.6	820	550	1.12	17300	.19	.210	.74	.95	.19
NOV											
29...	.3	3.8	433	438	.59	48500	.49	.150	.95	1.1	.25
JAN											
03...	--	4.3	--	224	.30	--	.40	.080	1.0	1.1	.00
FEB											
01...	.3	3.4	462	475	.63	31300	.48	.040	.32	.36	.11
27...	.3	1.9	705	722	.96	--	.30	.120	.56	.68	.10
APR											
16...	.3	4.4	401	394	.55	40100	.52	.000	1.1	1.1	.10
MAY											
21...	.2	6.2	520	502	.71	59800	.60	.060	1.2	1.3	.20
JUN											
12...	.2	4.7	564	563	.77	12900	.38	.060	1.7	1.8	.30
JUL											
08...	.1	5.4	619	599	.84	14900	.23	.080	.67	.75	.00
30...	.4	3.8	456	472	.62	1230	.17	.000	1.1	1.1	.00
SEP											
03...	.3	.4	411	422	.56	1010	.00	.080	.92	1.0	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
02...	.48	.95	4.2	.070	.030	--	5.3	1.0	34	667	74
31...	.76	1.1	5.0	.140	.070	7.8	--	--	28	591	74
NOV											
29...	.85	1.6	7.0	.150	.110	13	--	--	89	9970	43
JAN											
03...	1.1	1.5	6.6	.110	--	--	6.9	.6	13	--	91
FEB											
01...	.25	.84	3.7	.090	.080	5.4	--	--	25	1690	79
27...	.58	.98	4.3	.130	.050	6.3	--	--	19	--	80
APR											
16...	1.0	1.6	7.2	.140	.060	--	7.0	.6	37	3700	81
MAY											
21...	1.1	1.9	8.4	.270	.080	6.7	--	--	56	6440	91
JUN											
12...	1.5	2.2	9.7	.110	.070	7.7	--	--	28	640	79
JUL											
08...	1.0	.98	4.3	.080	.040	--	7.4	.6	18	434	85
30...	1.1	1.3	5.6	.120	.080	13	--	--	17	46	95
SEP											
03...	1.1	1.0	4.4	.160	.110	3.1	--	--	12	29	77

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
02...	0830	2	2	100	0	100	0	0	<1	0
31...	0930	--	--	--	--	--	--	--	--	--
JAN										
03...	0845	1	1	300	200	60	0	0	<1	10
FEB										
01...	0900	--	--	--	--	--	--	--	--	--
APR										
16...	0830	1	1	80	0	80	0	0	<1	0
MAY										
21...	0845	--	--	--	--	--	--	--	--	--
JUL										
08...	0830	2	2	100	0	100	1	--	<1	10
SEP										
03...	1000	--	--	--	--	--	--	--	--	--

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT										
02...	0	0	0	0	<3	2	2	0	370	360
JAN										
03...	10	0	0	0	<3	4	4	0	940	910
APR										
16...	0	0	2	0	<3	2	0	2	1400	1400
JUL										
08...	0	10	0	--	<3	17	12	5	480	--

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT										
02...	<10	3	3	0	60	60	<1	.0	.0	.0
JAN										
03...	30	7	7	0	90	50	40	.0	.0	.0
APR										
16...	20	3	3	0	130	130	2	.1	.1	.0
JUL										
08...	<10	7	5	2	70	60	10	.0	.0	.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
02...	0	0	0	0	0	0	20	20	5
31...	--	--	--	0	--	--	--	--	--
JAN									
03...	0	0	0	0	0	0	30	20	6
FEB									
01...	--	--	--	0	--	--	--	--	--
APR									
16...	0	0	0	0	0	0	20	10	6
MAY									
21...	--	--	--	0	--	--	--	--	--
JUL									
08...	1	0	1	0	0	0	50	40	7
SEP									
03...	--	--	--	0	--	--	--	--	--

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)
OCT											
31...	0930	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB											
01...	0900	--	--	ND	--	ND	--	ND	ND	ND	ND

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) (39571)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39399)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)
OCT										
31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB										
01...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39531)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRITHION, TOTAL (UG/L) (39790)
OCT										
31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB										
01...	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	PARATHION, TOTAL (UG/L) (39540)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39541)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT										
31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB										
01...	--	ND	--	ND	--	ND	--	--	--	--

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1				---	---	---	840	830	835	469	308	420
2				---	---	---	834	811	823	462	331	415
3				---	---	---	815	811	813	494	438	468
4				---	---	---	810	801	804	500	451	471
5				---	---	---	810	791	800	504	437	467
6				---	---	---	805	790	798	528	482	504
7				---	---	---	799	769	786	523	451	477
8				---	---	---	769	752	761	583	493	532
9				---	---	---	751	702	732	595	566	578
10				---	---	---	728	695	717	583	558	570
11				---	---	---	705	677	697	586	566	576
12				---	---	---	697	673	691	593	584	589
13				---	---	---	679	666	671	596	590	592
14				---	---	---	662	640	649	600	591	596
15				---	---	---	645	636	640	603	586	593
16				---	---	---	643	631	637	631	607	616
17				---	---	---	648	609	631	692	635	654
18				---	---	---	650	625	639	737	685	709
19				---	---	---	645	607	628	749	729	738
20				---	---	---	643	625	635	753	737	747
21				---	---	---	636	605	623	765	744	758
22				---	---	---	638	614	625	772	736	754
23				---	---	---	636	616	629	780	767	775
24				---	---	---	626	612	618	796	779	787
25				---	---	---	630	611	623	813	800	806
26				---	---	---	635	559	596	---	---	---
27				---	---	---	565	472	540	---	---	---
28				---	---	---	602	476	512	---	---	---
29				845	825	836	556	454	522	---	---	---
30				840	804	823	498	469	482	---	---	---
31				---	---	---	525	447	487	886	830	867
MONTH				845	804	830	840	447	666	886	308	618

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1							---	---	---			
2							---	---	---			
3							---	---	---			
4							840	633	752			
5							835	801	817			
6							810	801	804			
7							810	801	805			
8							820	805	813			
9							810	786	795			
10							785	767	776			
11							776	752	768			
12							747	713	727			
13							747	716	738			
14							751	732	743			
15							732	637	708			
16							774	632	731			
17							785	764	775			
18							828	769	789			
19							---	---	---			
20							---	---	---			
21							---	---	---			
22							---	---	---			
23							---	---	---			
24							---	---	---			
25							---	---	---			
26							---	---	---			
27							---	---	---			
28							---	---	---			
29							---	---	---			
30							---	---	---			
31							---	---	---			
MONTH							840	632	769			

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1				---	---	---	793	783	786	689	669	679
2				---	---	---	805	775	794	702	682	686
3				---	---	---	817	797	803	715	695	703
4				---	---	---	828	808	812	778	708	723
5				---	---	---	830	810	819	731	721	724
6				---	---	---	832	812	821	733	723	729
7				1120	989	1060	833	823	826	746	736	738
8				1050	1040	1050	845	725	789	749	739	745
9				1050	1030	1040	740	730	731	762	752	754
10				1030	1000	1010	735	725	732	764	754	763
11				1030	980	995	740	730	734	787	767	777
12				978	958	968	735	715	725	790	770	780
13				957	917	944	720	700	710	780	770	775
14				935	905	914	715	685	700	780	770	778
15				904	884	892	710	680	691	780	770	779
16				893	863	883	695	675	686	780	770	778
17				871	841	860	710	680	691	780	770	777
18				850	730	785	695	685	694	780	770	775
19				742	732	739	710	690	699	780	770	778
20				743	733	742	715	685	695	790	770	779
21				755	735	750	700	680	692	790	780	780
22				747	737	743	695	685	692	790	780	783
23				748	738	745	700	690	698	790	780	785
24				750	740	744	705	695	702	790	780	783
25				782	742	751	710	650	682	790	770	778
26				763	753	758	663	653	658	780	770	777
27				775	765	770	666	656	661	780	770	775
28				787	767	780	668	658	663	780	760	770
29				788	768	780	681	661	669	780	760	767
30				790	770	780	684	664	670	780	760	766
31				792	772	781	677	667	677	---	---	---
MONTH				1120	730	851	845	650	723	790	669	759

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.5	17.0	16.5	17.0	7.5	7.0	7.5	6.5	6.0	6.0
2	24.5	23.5	24.0	17.0	16.0	16.5	7.0	6.5	6.5	6.5	6.0	6.0
3	24.0	23.0	23.5	17.0	15.5	16.0	6.0	6.0	6.0	6.0	5.5	6.0
4	23.0	22.0	22.5	15.5	15.0	15.5	6.0	5.5	5.5	6.0	5.5	5.5
5	22.0	21.0	21.5	15.0	14.5	14.5	5.5	5.5	5.5	6.0	5.5	6.0
6	21.5	21.0	21.0	14.5	14.0	14.0	5.5	5.5	5.5	6.0	5.5	5.5
7	22.0	21.0	21.0	14.0	13.5	13.5	5.0	5.0	5.0	6.0	5.5	5.5
8	22.0	20.5	21.0	13.5	13.0	13.0	5.0	5.0	5.0	5.5	5.5	5.5
9	22.0	20.5	21.0	13.0	12.5	13.0	5.0	4.5	4.5	6.0	5.5	5.5
10	20.0	19.5	20.0	12.5	11.5	12.0	5.0	4.5	5.0	6.0	5.5	6.0
11	20.5	19.0	19.5	11.5	11.5	11.5	5.5	5.0	5.0	6.5	6.0	6.0
12	21.5	19.5	20.0	11.0	11.0	11.0	5.5	4.5	5.0	6.5	5.5	6.0
13	20.5	19.5	20.0	11.0	10.5	11.0	6.5	6.0	6.0	6.0	5.5	6.0
14	19.5	19.0	19.0	11.0	10.0	10.5	7.5	7.5	7.5	6.0	5.5	5.5
15	19.0	18.0	18.5	11.0	10.5	10.5	7.5	7.0	7.0	6.5	6.0	6.0
16	19.0	18.0	18.0	11.5	10.5	10.5	7.0	6.5	7.0	7.0	6.5	6.5
17	19.5	18.5	19.0	11.5	10.5	11.0	6.5	6.0	6.0	7.0	6.5	7.0
18	20.0	19.0	19.5	11.0	11.0	11.0	5.5	5.5	5.5	7.0	7.0	7.0
19	20.0	19.5	19.5	12.5	11.0	11.5	5.5	5.5	5.5	7.0	7.0	7.0
20	20.5	20.0	20.0	12.0	11.5	12.0	6.0	5.5	5.5	7.5	7.0	7.5
21	21.0	20.5	20.5	13.0	12.0	12.5	6.0	6.0	6.0	7.5	7.0	7.0
22	21.0	19.5	20.5	12.0	11.5	11.5	6.5	6.0	6.5	7.0	7.0	7.0
23	19.5	19.0	19.0	11.5	11.0	11.0	6.5	6.5	6.5	7.0	6.5	6.5
24	19.0	18.0	18.5	11.0	10.5	10.5	6.5	6.0	6.5	7.0	6.5	6.5
25	19.5	18.0	18.5	10.5	10.0	10.5	6.5	6.0	6.0	7.5	6.5	7.0
26	18.5	17.5	18.0	10.5	10.0	10.0	6.5	6.0	6.0	7.0	7.0	7.0
27	19.0	17.5	18.0	10.0	9.5	9.5	6.5	6.0	6.0	7.0	6.5	6.5
28	20.0	18.5	19.0	9.5	8.5	9.0	6.5	6.5	6.5	6.5	5.5	6.0
29	19.0	18.5	18.5	8.5	7.5	8.0	6.5	6.0	6.5	5.5	5.0	5.0
30	19.0	18.5	18.5	8.5	8.0	8.0	6.5	6.0	6.5	4.5	4.0	4.5
31	19.0	17.0	18.0	---	---	---	6.5	6.0	6.0	4.0	3.0	3.5
MONTH	24.5	17.0	20.0	17.0	7.5	12.0	7.5	4.5	6.0	7.5	3.0	6.0

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.0	2.5	2.5	7.0	6.5	7.0	11.5	10.0	11.0	17.5	16.5	17.0
2	2.5	2.5	2.5	6.5	6.0	6.0	12.5	11.0	11.5	17.0	16.0	16.5
3	2.5	2.5	2.5	6.5	6.0	6.0	13.0	12.0	12.5	17.5	16.5	17.0
4	2.5	2.5	2.5	7.0	6.5	6.5	13.0	11.5	12.5	17.5	17.0	17.5
5	3.5	2.5	3.0	7.0	7.0	7.0	13.0	12.0	12.5	18.5	17.0	17.5
6	3.5	3.0	3.5	7.0	6.5	7.0	13.5	12.0	13.0	19.5	18.0	18.5
7	4.0	3.0	3.5	7.5	7.0	7.5	14.0	12.5	13.0	19.5	19.0	19.5
8	3.0	2.0	2.5	9.0	7.5	8.0	14.0	13.0	13.5	20.0	19.0	19.5
9	2.5	2.0	2.5	9.5	8.0	8.5	13.5	12.5	13.0	20.0	19.0	19.5
10	2.5	2.0	2.5	9.5	8.5	9.0	13.5	12.5	13.0	20.0	19.0	19.5
11	3.0	2.5	2.5	9.0	7.5	8.0	13.5	13.0	13.0	20.5	19.5	20.0
12	3.0	2.5	2.5	7.5	7.0	7.0	13.0	12.0	12.5	21.0	20.5	20.5
13	3.0	2.5	2.5	7.5	7.0	7.5	12.5	11.0	11.5	21.5	20.5	21.0
14	3.5	3.0	3.0	8.0	7.5	8.0	11.0	10.5	10.5	21.5	20.5	21.0
15	4.5	3.5	4.0	8.5	8.0	8.0	12.0	10.0	11.0	21.5	19.5	20.5
16	4.5	3.5	4.0	9.0	8.5	8.5	11.5	10.5	11.0	20.0	19.5	19.5
17	3.5	3.0	3.0	9.5	9.0	9.0	12.5	12.0	12.5	20.0	19.0	19.5
18	3.5	3.0	3.0	9.5	9.0	9.5	14.0	12.5	13.0	19.5	19.0	19.0
19	4.5	3.5	4.0	10.0	9.0	9.5	15.0	13.0	14.0	20.0	19.0	19.5
20	5.0	4.5	5.0	10.5	10.5	10.5	15.5	14.0	15.0	20.5	20.0	20.0
21	6.0	5.0	5.5	10.5	10.5	10.5	16.0	14.5	15.5	20.5	20.0	20.0
22	6.5	6.0	6.0	11.0	10.5	10.5	17.0	15.5	16.0	20.0	20.0	20.0
23	6.5	6.0	6.5	11.5	11.0	11.0	18.0	16.5	17.5	20.5	19.5	20.0
24	6.5	6.5	6.5	11.0	10.0	10.5	18.5	17.5	18.0	21.0	20.0	20.5
25	6.5	6.5	6.5	10.0	10.0	10.0	18.5	17.5	18.0	22.0	21.0	21.5
26	6.5	6.0	6.5	10.0	9.5	10.0	17.5	15.5	16.5	22.5	21.5	22.0
27	7.0	6.5	7.0	10.0	10.0	10.0	17.0	15.5	16.0	23.0	22.0	22.5
28	8.0	7.0	7.5	11.0	10.0	10.5	17.5	16.0	16.5	23.0	22.5	22.5
29	8.0	7.0	7.5	11.5	10.5	11.0	17.5	16.5	17.0	24.5	22.5	23.5
30	---	---	---	11.0	10.0	10.5	17.5	16.5	17.0	24.5	24.0	24.5
31	---	---	---	11.0	9.5	10.5	---	---	---	25.5	24.5	25.0
MONTH	8.0	2.0	4.0	11.5	6.0	9.0	18.5	10.0	14.0	25.5	16.0	20.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.5	25.0	25.0	30.5	29.5	30.0	31.0	29.5	30.0	28.0	27.5	28.0
2	25.0	24.5	25.0	30.5	29.5	30.0	30.0	29.5	29.5	28.0	27.0	27.5
3	25.5	25.0	25.0	31.5	30.0	30.5	30.5	29.5	30.0	27.5	27.0	27.0
4	25.5	25.0	25.5	34.5	31.0	31.5	30.0	29.0	29.5	28.0	26.5	27.0
5	25.5	25.0	25.5	33.5	31.5	32.0	29.5	29.0	29.0	29.0	27.0	27.0
6	26.0	25.5	25.5	35.0	32.0	32.5	29.5	29.0	29.0	28.5	27.0	27.5
7	26.0	25.5	26.0	34.0	32.0	32.5	30.5	29.0	29.5	28.5	27.0	27.5
8	26.0	25.5	25.5	33.0	31.5	32.0	32.5	20.0	29.5	28.5	27.0	27.5
9	25.5	25.0	25.5	33.0	31.5	32.0	30.0	29.5	30.0	28.5	27.5	28.0
10	25.5	25.0	25.5	33.5	31.0	31.5	31.0	29.5	30.5	28.5	27.5	27.5
11	25.5	25.0	25.5	32.0	31.5	31.5	30.5	29.5	30.0	28.0	27.5	27.5
12	25.5	25.0	25.5	32.0	31.0	31.5	33.5	29.5	30.5	29.0	27.0	27.0
13	25.5	25.0	25.5	32.5	31.0	31.5	30.5	29.5	29.5	28.5	27.0	27.5
14	25.0	24.5	25.0	31.5	31.0	31.5	30.0	29.0	29.5	29.0	27.0	28.0
15	25.5	25.0	25.0	32.5	31.0	31.0	30.0	29.0	29.5	29.0	27.5	28.0
16	27.5	25.5	25.5	32.0	30.5	31.0	29.5	29.0	29.0	27.5	27.0	27.5
17	25.5	25.0	25.5	32.0	31.0	31.0	30.0	29.0	29.5	28.5	26.5	27.0
18	25.5	25.0	25.5	32.5	30.5	31.0	30.0	29.0	29.0	26.5	26.0	26.5
19	25.5	25.0	25.5	32.0	30.5	30.5	29.5	29.0	29.5	26.5	26.0	26.0
20	25.5	24.5	25.0	31.0	30.5	30.5	29.5	29.0	29.0	26.5	25.5	26.0
21	25.5	24.5	24.5	30.5	30.0	30.5	30.5	29.0	29.5	26.5	26.0	26.0
22	26.0	25.0	25.5	31.5	29.5	30.0	29.5	28.5	29.0	26.5	26.0	26.0
23	25.5	25.0	25.5	29.5	29.0	29.5	29.5	28.5	28.5	26.5	25.5	26.0
24	26.5	25.5	26.0	30.0	28.5	29.0	30.0	28.0	28.5	25.5	25.0	25.5
25	28.0	26.5	27.0	29.5	28.5	29.0	30.0	28.0	28.0	25.0	24.5	25.0
26	28.5	27.5	28.0	29.0	28.5	29.0	30.0	28.0	28.5	24.5	24.0	24.5
27	28.5	28.0	28.5	30.0	28.5	29.0	30.0	28.0	28.5	24.0	22.5	23.0
28	29.0	28.0	28.5	30.0	28.5	29.0	31.0	28.0	28.5	22.5	21.0	22.0
29	30.0	28.5	29.5	31.0	29.0	29.5	31.0	28.0	29.0	21.0	21.0	21.0
30	30.0	29.5	29.5	32.0	29.0	30.0	28.0	27.5	28.0	22.0	21.0	21.5
31	---	---	---	32.0	29.5	30.0	28.5	27.5	28.0	---	---	---
MONTH	30.0	24.5	26.0	35.0	28.5	30.5	33.5	20.0	29.0	29.0	21.0	26.0

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	9400	20	508	9250	20	500	40900	80	8830
2	5540	10	150	5360	10	145	40900	80	8830
3	6380	10	172	2700	10	73	35200	70	6650
4	5570	10	150	7130	20	385	31600	60	5120
5	8170	20	441	9760	20	527	29200	50	3940
6	64	0	.00	9470	20	511	28400	50	3830
7	79	0	.00	10200	20	551	29000	50	3920
8	3340	10	90	13200	20	713	29100	50	3930
9	4520	10	122	12300	20	664	27700	50	3740
10	4920	10	133	20800	40	2250	23300	40	2520
11	4710	10	127	15000	30	1220	28600	50	3860
12	6710	20	362	16500	30	1340	25800	50	3480
13	720	0	.00	17300	30	1400	30000	50	4050
14	522	0	.00	11300	20	610	26600	50	3590
15	5710	10	154	14600	30	1180	24500	40	2650
16	6960	20	376	11000	20	594	15800	30	1280
17	9090	20	491	7530	20	407	21000	40	2270
18	7060	20	381	6630	20	358	18600	30	1510
19	4600	10	124	4670	10	126	15900	30	1290
20	4690	10	127	17000	30	1380	14700	30	1190
21	48	0	.00	36800	70	6960	15500	30	1260
22	10500	20	567	56100	120	18200	8970	20	484
23	7870	20	425	49500	100	13400	12300	20	664
24	4020	10	109	55700	110	16500	13900	30	1130
25	1180	0	.00	58300	120	18900	2680	10	72
26	4260	10	115	60500	130	21200	8480	20	458
27	77	0	.00	54600	110	16200	7270	20	393
28	138	0	.00	44400	90	10800	12200	20	659
29	3070	10	83	40000	80	8640	8460	20	457
30	2450	10	66	40700	80	8790	3140	10	85
31	5410	10	146	---	---	---	10700	20	578
TOTAL	137778	---	5419.00	718300	---	154524	640400	---	82720

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	8590	20	464	16900	30	1370	17500	30	1420
2	11600	20	626	10800	20	583	13900	30	1130
3	8820	20	476	8920	20	482	17800	30	1440
4	13100	20	707	12100	20	653	16400	30	1330
5	9470	20	511	15800	30	1280	16900	30	1370
6	5880	10	159	12800	20	691	13800	30	1120
7	9790	20	529	13600	20	734	13100	20	707
8	13600	20	734	17000	30	1380	4360	10	118
9	12300	20	664	13400	20	724	4780	10	129
10	12500	20	675	16700	30	1350	12500	20	675
11	13500	20	729	15600	30	1260	12000	20	648
12	5660	10	153	13000	20	702	15600	30	1260
13	3810	10	103	13000	20	702	15500	30	1260
14	11700	20	632	14100	30	1140	17400	30	1410
15	11600	20	626	16600	30	1340	3390	10	92
16	9760	20	527	15900	30	1290	1350	0	.00
17	12400	20	670	17400	30	1410	17400	30	1410
18	11100	20	599	17900	30	1450	23400	40	2530
19	3410	10	92	15800	30	1280	24200	40	2610
20	1580	10	43	25800	50	3480	20700	40	2240
21	14800	30	1200	21700	40	2340	23700	40	2560
22	13000	20	702	23000	40	2480	17800	30	1440
23	15400	30	1250	10900	20	589	11500	20	621
24	14000	30	1130	14500	30	1170	32000	60	5180
25	11800	20	637	25600	50	3460	23600	40	2550
26	7950	20	429	25100	50	3390	39000	70	7370
27	11100	20	599	19300	30	1560	33000	60	5350
28	13500	20	729	15200	30	1230	38700	70	7310
29	19000	30	1540	16400	30	1330	32200	60	5220
30	21800	40	2350	---	---	---	40900	80	8830
31	22700	40	2450	---	---	---	48100	100	13000
TOTAL	355220	---	22735	474820	---	40850	622480	---	82330.00

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	45100	90	11000	55600	110	16500	32300	60	5230
2	44000	90	10700	60100	130	21100	35900	70	6790
3	43300	80	9350	74200	160	32100	32300	60	5230
4	46800	90	11400	59700	120	19300	33500	60	5430
5	48100	100	13000	43000	80	9290	32200	60	5220
6	47400	90	11600	41400	80	8940	37200	70	7030
7	44800	90	10900	42900	80	9270	30800	60	4990
8	50000	100	13500	38000	70	7180	26200	50	3540
9	51700	100	14000	30600	60	4960	21500	40	2320
10	52000	100	14000	22100	40	2390	24400	40	2640
11	52700	110	15700	22000	40	2380	16600	30	1340
12	42500	80	9180	19800	30	1600	20700	40	2240
13	41800	80	9030	23000	40	2480	22300	40	2410
14	31300	60	5070	21800	40	2350	19000	30	1540
15	15100	30	1220	14200	30	1150	11400	20	616
16	39900	80	8620	37000	70	6990	13100	20	707
17	44800	90	10900	30100	60	4880	18000	30	1460
18	46100	90	11200	27600	50	3730	43500	80	9400
19	43600	80	9420	37100	70	7010	65900	140	24900
20	40800	80	8810	41500	80	8960	80400	180	39100
21	41900	80	9050	43800	90	10600	46500	90	11300
22	41800	80	9030	46900	90	11400	38400	70	7260
23	33600	60	5440	47100	90	11400	38100	70	7200
24	24400	40	2640	47200	90	11500	37500	70	7090
25	21700	40	2340	32700	60	5300	34500	60	5590
26	35000	70	6610	29800	50	4020	36500	70	6900
27	41400	80	8940	33400	60	5410	35600	70	6730
28	55900	110	16600	31900	60	5170	25900	50	3500
29	60500	130	21200	41600	80	8990	21800	40	2350
30	61400	130	21600	40700	80	8790	23600	40	2550
31	---	---	---	39600	80	8550	---	---	---
TOTAL	1289400	---	312050	1176400	---	263690	955600	---	192603

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	22700	40	2450	12800	20	691	1760	10	48
2	23300	40	2520	4020	10	109	8400	20	454
3	20100	40	2170	908	0	.00	10200	20	551
4	17500	30	1420	5930	10	160	8070	20	436
5	16400	30	1330	7200	20	389	9360	20	505
6	15300	30	1240	6450	10	174	7220	20	390
7	16600	30	1340	4130	10	112	1140	0	.00
8	16600	30	1340	6130	10	166	9140	20	494
9	15600	30	1260	6310	10	170	8550	20	462
10	19600	30	1590	1010	0	.00	7580	20	409
11	18800	30	1520	12500	20	675	7270	20	393
12	21500	40	2320	9530	20	515	6300	10	170
13	20000	40	2160	9600	20	518	6320	10	171
14	21000	40	2270	6290	10	170	62	0	.00
15	14500	30	1170	6590	20	356	5850	10	158
16	17200	30	1390	2720	10	73	4510	10	122
17	16700	30	1350	649	0	.00	1060	0	.00
18	19900	40	2150	8340	20	450	1230	0	.00
19	6340	10	171	11300	20	610	1600	10	43
20	9370	20	506	9970	20	538	3030	10	82
21	11700	20	632	11900	20	643	56	0	.00
22	13100	20	707	3560	10	96	5630	10	152
23	11800	20	637	1610	10	43	4020	10	109
24	9180	20	496	1680	10	45	3270	10	88
25	8380	20	453	8430	20	455	5390	10	146
26	8450	20	456	5000	10	135	3010	10	81
27	7290	20	394	5120	10	138	981	0	.00
28	8680	20	469	4160	10	112	3890	10	105
29	11200	20	605	3190	10	86	3330	10	90
30	11400	20	616	10300	20	556	1190	0	.00
31	12100	20	653	2510	10	68	---	---	---
TOTAL	462290	---	37785	189837	---	8253.00	139419	---	5659.00

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	OCT 31,79		FEB 27,80		MAY 21,80		JUN 12,80	
TIME	0930		0900		0845		0830	
TOTAL CELLS/ML	5700		24000		8600		7900	
DIVERSITY: DIVISION	1.4		0.8		1.6		1.1	
.CLASS	1.4		0.8		1.6		1.1	
..ORDER	1.8		1.0		2.1		1.9	
...FAMILY	2.3		1.1		2.5		2.5	
....GENUS	2.7		1.3		3.0		2.9	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	930	12
...HYDRODICTYACEAE								
....PEDIASTRUM	350	6	--	-	--	-	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	230	4	810	3	140	2	120	1
....CHLORELLA	--	-	4100#	17	--	-	--	-
....CLOSTERIOPSIS	39	1	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	930	11	120	1
....OOCYSTIS	--	-	--	-	220	3	290	4
....POLYEDRIOPSIS	--	-	--	-	--	-	--	-
....SELENASTRUM	120	2	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	1500#	27	--	-	1500#	17	290	4
....TETRASTRUM	460	8	810	3	550	6	230	3
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	--	-	--	-	82	1	170	2
....CHLAMYDOMONAS	--	-	200	1	82	1	--	-
...PHACOTACEAE								
....PTEROMONAS	--	-	--	-	--	-	--	-
...VOLVOCACEAE								
....GONIUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	--	-	--	-	--	-
....CYCLOTELLA	730	13	17000#	74	1900#	23	2900#	37
....MELOSIRA	77	1	--	-	270	3	350	4
....STEPHANODISCUS	--	-	--	-	--	-	58	1
..PENNALES								
...ACHNANTHACEAE								
....COCCONEIS	--	-	--	-	--	-	980	13
...FRAGILARIACEAE								
....FRAGILARIA	--	-	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	--	-	410	2	250	3	980	13
...SURIRELLACEAE								
....SURIRELLA	--	-	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	460	6
....ANACYSTIS	660	12	--	-	1800#	21	--	-
....GOMPHOSPHAERIA	--	-	--	-	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....OSCILLATORIA	1500#	26	--	-	770	9	--	-
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....TRACHELOMONAS	--	-	--	-	*	0	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	JUL 8,80		JUL 30,80		SEP 3,80	
TIME	0830		0830		1000	
TOTAL CELLS/ML	12000		11000		14000	
DIVERSITY: DIVISION	1.5		1.1		1.3	
.CLASS	1.5		1.1		1.3	
..ORDER	2.1		1.8		2.2	
...FAMILY	2.4		1.9		2.6	
....GENUS	2.8		2.3		3.0	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	--	-	*	0	*	0
...COELASTRACEAE						
....COELASTRUM	--	-	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....GOLENKINIA	*	0	*	0	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	*	0	*	0	130	1
....CHLORELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-
....DICTYOSPHAERIUM	600	5	--	-	--	-
....KIRCHNERIELLA	100	1	--	-	--	-
....OOCYSTIS	250	2	100	1	--	-
....POLYEDRIOPSIS	*	0	--	-	--	-
....SELENASTRUM	--	-	*	0	*	0
...SCENEDESMACEAE						
....ACTINASTRUM	400	3	--	-	--	-
....CRUCIGENIA	--	-	470	4	170	1
....SCENEDESMUS	400	3	100	1	780	5
....TETRASTRUM	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CARTERIA	2500#	21	--	-	--	-
....CHLAMYDOMONAS	350	3	*	0	130	1
...PHACOTACEAE						
....PTEROMONAS	--	-	--	-	*	0
...VOLVOCACEAE						
....GONIUM	400	3	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	--	-	*	0	1800	13
....CYCLOTELLA	1700	14	950	9	350	2
....MELOSIRA	--	-	880	8	560	4
....STEPHANODISCUS	--	-	--	-	--	-
..PENNALES						
...ACHNANTHACEAE						
....COCCONEIS	--	-	--	-	730	5
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	86	1
....SYNEDRA	--	-	*	0	--	-
...NITZSCHIACEAE						
....NITZSCHIA	250	2	--	-	350	2
...SURIRELLACEAE						
....SURIRELLA	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	2500#	24	--	-
....ANACYSTIS	200	2	160	1	3600#	25
....GOMPHOSPHAERIA	--	-	--	-	170	1
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENOPSIS	--	-	91	1	--	-
...OSCILLATORIACEAE						
....OSCILLATORIA	4400#	38	5100#	48	4300#	30
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	-	--	-	1100	7
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....TRACHELOMONAS	--	-	*	0	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07252000 MULBERRY RIVER NEAR MULBERRY, AR

LOCATION.--Lat 35°34'37", long 94°00'55", in SE 1/4 SW 1/4 sec.31, T.11 N., R.28 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi (1.0 km) upstream from Mill Creek, 5.7 mi (9.2 km) north of Mulberry, and at mile 11.3 (18.2 km).

DRAINAGE AREA.--373 mi^2 (966 km^2).

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

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

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft (131.902 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft (152 m) downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 538 ft^3/s (15.2 m^3/s), 19.59 in/yr (498 mm/yr), 389,800 acre-ft/yr (481 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,800 ft^3/s (1,609 m^3/s) Nov. 25, 1973, gage height, 21.34 ft (6.504 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft (6.71 m), discharge, about 59,000 ft^3/s (1,700 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,130 ft^3/s (60.3 m^3/s) Apr. 8, gage height, 4.48 ft (1.366 m), no peak above base of 10,000 ft^3/s (280 m^3/s); no flow Aug. 27 to Sept. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	17	89	291	96	164	1170	484	230	32	.43	.00
2	11	21	82	257	91	152	1010	439	196	28	.37	.00
3	11	30	75	232	86	143	959	417	170	25	.37	.00
4	9.5	28	68	207	86	136	874	377	150	21	.34	.00
5	8.4	24	64	187	86	136	749	329	132	19	.31	.00
6	7.7	22	59	169	80	133	670	309	116	16	.29	.00
7	7.2	21	56	156	75	127	624	318	100	14	.25	.00
8	6.9	20	53	144	84	121	1640	303	92	12	.23	.00
9	6.2	31	50	133	86	116	1530	292	82	10	.21	.00
10	5.7	92	48	123	81	113	1220	247	74	9.3	.18	.00
11	5.4	117	46	118	78	108	1030	220	64	7.9	.17	.00
12	4.8	87	60	111	76	115	859	198	57	6.4	.14	.00
13	4.2	72	118	105	80	128	729	194	53	5.6	.13	.00
14	3.9	64	317	99	90	144	678	210	48	4.7	.25	.00
15	3.9	55	279	94	129	146	618	188	43	3.7	.25	.00
16	4.0	46	246	98	355	144	540	944	41	3.2	.28	.00
17	3.9	41	211	112	437	426	509	1450	44	2.5	.23	.00
18	3.5	38	186	134	414	1010	509	1150	42	2.2	.20	.00
19	3.2	35	169	132	452	818	470	1190	66	1.7	.18	.00
20	3.2	35	152	130	380	717	438	915	102	1.2	.13	.00
21	3.5	84	142	129	349	717	412	736	125	1.1	.10	.00
22	4.6	700	144	126	313	629	385	1350	97	1.0	.08	.00
23	5.3	452	189	123	280	625	356	1400	82	1.2	.05	.05
24	5.5	308	986	122	255	1400	336	1170	83	1.1	.04	.15
25	5.0	231	1190	120	229	1310	523	905	91	.84	.03	.42
26	5.0	186	831	119	206	1080	727	694	69	.75	.01	.64
27	5.0	155	641	117	188	902	711	537	56	.78	.00	.72
28	5.3	131	518	113	179	839	639	437	47	.66	.00	.98
29	5.4	114	439	108	172	833	581	371	40	.63	.00	.92
30	6.8	100	384	105	---	1420	528	323	36	.54	.00	.92
31	15	---	334	99	---	1380	---	276	---	.51	.00	---
TOTAL	192.0	3357	8226	4313	5513	16232	22024	18373	2628	234.51	5.25	4.80
MEAN	6.19	112	265	139	190	524	734	593	87.6	7.56	.17	.16
MAX	15	700	1190	291	452	1420	1640	1450	230	32	.43	.98
MIN	3.2	17	46	94	75	108	336	188	36	.51	.00	.00
CFSM	.02	.30	.71	.37	.51	1.41	1.97	1.59	.24	.02	.000	.000
IN.	.02	.33	.82	.43	.55	1.62	2.20	1.83	.26	.02	.00	.00
AC-FT	381	6660	16320	8550	10940	32200	43680	36440	5210	465	10	9.5

CAL YR 1979	TOTAL	261867.00	MEAN	717	MAX	6010	MIN	3.2	CFSM	1.92	IN	26.12	AC-FT	519400
WTR YR 1980	TOTAL	81102.56	MEAN	222	MAX	1640	MIN	.00	CFSM	.60	IN	8.09	AC-FT	160900

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR

LOCATION.--Lat 35°28'21", long 93°48'46", in SW 1/4 sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi (1.6 km) southeast of Ozark, and at mile 272.9 (439.1 km).

DRAINAGE AREA.--151,801 mi^2 (393,165 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.
SUSPENDED SEDIMENT DISCHARGE: October 1974 to September 1975.

COOPERATION.--Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark. Sediment records prior to October 1974 and after September 1975 available from Corps of Engineers, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	1130	9827	9827	1070	8.0	14.0	23.0	5	7.2	83
NOV 20...	1235	9827	9827	690	7.3	22.0	17.0	20	10.8	111
DEC 04...	1400	9827	9827	762	7.9	17.0	16.0	40	11.7	117
JAN 08...	0840	9827	9827	403	7.4	5.0	10.0	50	11.3	100
FEB 05...	0840	9827	9827	784	8.0	2.0	4.0	50	13.3	101
MAR 04...	0840	9827	9827	1240	8.6	15.0	10.0	10	14.4	127
APR 01...	0915	9827	9827	--	7.9	15.0	10.0	40	10.9	96
MAY 06...	0845	9827	9827	--	7.7	17.0	18.0	80	8.2	86
JUN 03...	0750	9827	9827	--	7.8	21.0	19.0	60	--	--
JUL 15...	1425	9827	9827	--	7.4	32.0	23.0	40	6.4	74
29...	0830	9827	9827	--	8.1	23.0	29.0	100	6.9	88
AUG 26...	0830	9827	9827	745	8.1	28.0	29.0	30	7.0	90
SEP 23...	1300	9827	9827	782	--	24.0	26.0	10	6.3	77

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1130	--	12	150	43	11	150	5.0	98	260	68
NOV 20...	1235	1.7	4	--	--	--	--	--	--	140	50
DEC 04...	1400	3.3	20	--	--	--	--	--	--	150	49
JAN 08...	0840	2.8	4	82	24	5.0	42	4.0	66	62	30
FEB 05...	0840	4.4	<4	--	--	--	--	--	--	160	45
MAR 04...	0840	--	<4	--	--	--	--	--	--	300	61
APR 01...	0915	3.8	40	140	42	8.5	99	5.0	110	160	56
MAY 06...	0845	3.1	20	--	--	--	--	--	--	160	52
JUN 03...	0750	4.2	28	--	--	--	--	--	--	230	110
JUL 15...	1425	5.1	4	--	6.0	4.8	12	2.0	--	--	--
29...	0830	3.0	190	--	--	--	--	--	--	35	70
AUG 26...	0830	3.0	<4	--	--	--	--	--	--	130	58
SEP 23...	1300	3.7	--	--	--	--	--	--	--	160	58

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1130	615	9	.08	.010	.160	.070	<5	<10	<5
NOV										
20...	1235	432	24	.22	.010	.150	.070	--	--	--
DEC										
04...	1400	440	41	.50	.020	.170	.140	--	--	--
JAN										
08...	0840	--	11	.36	.020	.120	.070	--	<10	--
FEB										
05...	0840	--	--	.46	.010	--	.080	--	--	--
MAR										
04...	0840	--	20	.16	.010	.050	.100	--	--	--
APR										
01...	0915	409	38	.41	.030	.090	.080	4	<10	4
MAY										
06...	0845	--	--	.60	.050	.080	.130	--	--	--
JUN										
03...	0750	--	20	.48	.020	.120	.100	--	--	--
JUL										
15...	1425	--	--	.02	.010	.030	.040	--	<10	--
29...	0830	498	17	--	.020	.100	.100	--	--	--
AUG										
26...	0830	419	15	.02	.010	.090	.070	--	--	--
SEP										
23...	1300	436	15	.10	.010	.110	.080	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1130	<20	310	30	29	70	--	--	--	--	--
JAN											
08...	0840	<20	880	30	62	--	.00	.00	.00	.00	.00
APR											
01...	0915	<20	1400	30	71	110	.00	--	--	--	--
MAY											
06...	0845	--	--	--	--	--	.00	--	--	--	--
JUL											
15...	1425	<20	--	<10	160	--	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
08...	0840	.00	.00	.00	.00	0	.00

07257000 BIG PINEY CREEK NEAR DOVER, AR

LOCATION.--Lat 35°32'58", long 93°09'30", in SW 1/4 NE 1/4 sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi (11.6 km) downstream from Indian Creek, 10.4 mi (16.7 km) north of Dover, and at mile 28.0 (45.1 km).

DRAINAGE AREA.--274 mi^2 (710 km^2).

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1967, published as "Piney Creek near Dover."

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 487.66 ft (148.639 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 228 ft^3/s (6.46 m^3/s) 19.73 in/yr (501 mm/yr), 288,400 acre-ft/yr (356 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,600 ft^3/s (2,110 m^3/s) Dec. 10, 1971, gage height, 28.7 ft (8.75 m), from floodmark, from rating curve extended above 45,000 ft^3/s (1,270 m^3/s); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft (7.80 m), from floodmarks, discharge, about 55,800 ft^3/s (1,580 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,200 ft^3/s (487 m^3/s) May 17 at 0330 hours, gage height, 14.78 ft (4.505 m), no other peak above base of 7,000 ft^3/s (200 m^3/s); no flow July 21 to Sept. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	139	98	299	106	156	820	197	200	20	.00	.00
2	7.8	314	91	264	91	142	686	188	167	18	.00	.00
3	5.9	60	84	240	88	130	620	172	141	16	.00	.00
4	5.2	44	76	212	88	132	496	154	124	13	.00	.00
5	4.5	37	72	190	88	146	464	146	108	10	.00	.00
6	4.3	28	69	171	93	141	437	154	93	8.8	.00	.00
7	3.6	24	67	167	93	116	419	154	79	6.3	.00	.00
8	3.2	21	65	156	99	124	681	148	67	4.5	.00	.00
9	2.1	377	59	141	99	113	699	137	59	3.2	.00	.00
10	1.5	363	57	132	93	116	533	124	52	2.5	.00	.00
11	1.5	192	54	146	88	113	533	114	44	1.8	.00	.00
12	3.3	136	61	152	91	127	434	254	40	1.5	.00	.00
13	7.2	109	178	142	98	156	441	708	35	2.3	.00	.00
14	5.4	93	234	139	116	169	437	460	30	2.3	.00	.00
15	2.5	79	221	137	264	152	537	353	26	1.1	.00	.00
16	1.9	69	201	174	520	156	500	3100	23	.54	.00	.00
17	2.5	61	178	220	449	488	546	8510	53	.28	.00	.00
18	2.7	57	154	222	408	786	441	2630	127	.18	.00	.00
19	2.3	54	150	212	387	566	437	1600	98	.12	.00	.00
20	2.2	52	144	202	340	529	390	1070	66	.06	.00	.00
21	2.5	127	139	192	330	426	357	937	50	.00	.00	.00
22	2.1	751	188	190	296	456	311	1010	40	.00	.00	.00
23	2.7	423	878	181	264	460	284	1100	31	.00	.00	.00
24	2.7	302	3410	169	235	1140	220	1030	74	.00	.00	.00
25	2.8	235	1530	165	212	889	254	792	41	.00	.00	.00
26	2.3	195	974	156	192	775	232	637	23	.00	.00	.00
27	2.3	165	708	144	176	628	248	496	22	.00	.00	.00
28	4.5	141	595	134	174	646	240	387	22	.00	.00	.00
29	8.2	122	472	126	167	504	225	350	22	.00	.00	.00
30	11	110	401	121	---	1050	210	290	21	.00	.00	.00
31	98	---	350	116	---	907	---	240	---	.00	.00	---
TOTAL	218.5	4880	11958	5412	5745	12439	13132	27642	1978	112.48	.00	.00
MEAN	7.05	163	386	175	198	401	438	892	65.9	3.63	.000	.000
MAX	98	751	3410	299	520	1140	820	8510	200	20	.00	.00
MIN	1.5	21	54	116	88	113	210	114	21	.00	.00	.00
CFSM	.03	.60	1.41	.64	.72	1.46	1.60	3.26	.24	.01	.000	.000
IN.	.03	.66	1.62	.73	.78	1.69	1.78	3.75	.27	.02	.00	.00
AC-FT	433	9680	23720	10730	11400	24670	26050	54830	3920	223	.00	.00

CAL YR 1979 TOTAL 218847.50 MEAN 600 MAX 7800 MIN 1.5 CFSM 2.19 IN 29.71 AC-FT 434100
WTR YR 1980 TOTAL 83516.98 MEAN 228 MAX 8510 MIN .00 CFSM .83 IN 11.34 AC-FT 165700

07258000 ARKANSAS RIVER AT DARDANELLE, AR

LOCATION.--Lat 35°13'34", long 93°08'58", in SW 1/4 sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi (1.6 km) upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi (7.6 km) downstream from Illinois Bayou, and at mile 219.5 (353.2 km).

DRAINAGE AREA.--153,670 mi^2 (398,010 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder at bridge, and totalizing flowmeters on each turbine in Dardanelle Dam 2.0 mi (3.2 km) upstream Datum of gage is 280.16 ft (85.393 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft (3.048 m) higher. Jan. 11, 1939, to Dec. 10, 1970, water-stage recorder at same site at datum 10.0 ft (3.048 m) higher.

REMARKS.--Records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 50,000 ft^3/s (1,420 m^3/s) determined from flow through turbines.

AVERAGE DISCHARGE.--43 years, 35,290 ft^3/s (999 m^3/s), 25,570,000 acre-ft/yr (31,500 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft^3/s (19,300 m^3/s) May 13, 14, 1943; maximum gage height, 43.60 ft (13.289 m), in gage well, 44.1 ft (13.44 m) from outside gage, May 25, 1943, present datum; minimum daily discharge, 43 ft^3/s (1.22 m^3/s) Dec. 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft (13.11 m), present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 75,300 ft^3/s (2,130 m^3/s) June 21, but may have been higher during period of no gage-height record May 3-5, gage height, 16.58 ft (5.054 m); minimum daily, 90 ft^3/s (2.55 m^3/s) Oct. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7420	8030	41700	14600	18800	17800	48600	65200	44000	20100	12800	1200
2	6980	6760	41800	15400	9490	12600	49800	54500	44500	19100	1710	4850
3	4580	6790	42100	11800	8530	19300	47900	60800	35400	21400	3040	10200
4	4520	6540	35800	16000	16300	23800	51400	71800	31200	18600	8210	10400
5	4390	8900	18100	9080	17500	22000	46300	61600	29800	13300	6990	8960
6	1820	10300	24900	7250	16400	21900	47000	40900	29200	15800	5160	1170
7	2190	9970	30900	10700	17600	13500	54000	41300	28400	18100	9200	1530
8	3970	13500	29600	10900	16400	5850	55600	40500	23000	21700	4960	10000
9	4460	21700	24500	10300	17300	4440	52300	30900	27800	16500	2650	8040
10	4790	13000	30200	12900	14100	13300	54400	28300	22300	14000	1740	2720
11	4610	11700	23200	12300	19700	13200	56300	31400	29400	17600	10700	8920
12	2740	20800	27200	8880	16700	14100	53200	31800	18200	17200	8900	7690
13	2020	16200	28200	4450	14400	17600	46900	20200	19900	12600	6650	2420
14	4030	16000	25000	9500	13700	16000	43800	20500	14100	14000	6790	2920
15	3050	13600	17500	14200	16300	6670	42200	26200	19400	14000	5450	3390
16	3430	12600	21300	15300	16900	5970	35000	42800	12500	12000	1710	3200
17	4020	4750	28400	12800	23900	17600	36300	62200	16900	12500	1740	3010
18	7170	5340	18100	9860	23900	16700	40900	42300	34300	19000	7300	2370
19	4800	8010	12500	5960	18100	21800	42200	43100	41100	12600	8400	2700
20	5250	11000	15900	4090	21100	28000	41900	44600	51500	6050	8990	3840
21	2850	29500	18000	18400	23700	21000	41400	48800	68200	7440	9450	1380
22	13600	41600	13200	13900	22700	17800	41700	55700	42200	16500	2260	2500
23	11900	41300	20000	13900	16900	26900	40900	55000	40800	8820	4220	5730
24	3610	43000	36800	11400	17200	37600	40300	55700	41500	9790	3800	4400
25	3360	52000	34000	9240	28400	39900	40400	51300	42300	6550	7840	3820
26	2620	58100	8180	7930	22000	39700	31700	42200	39600	5440	8890	2620
27	90	61400	6580	11200	25500	35100	39400	33400	33900	7820	4570	2730
28	2140	54300	10300	17300	19200	38000	41600	30500	24400	11500	6360	4990
29	1920	40300	6510	21700	18500	35800	42800	40900	18800	10800	4500	6680
30	2200	41200	8620	23900	---	43100	51200	44000	21700	12600	2010	6660
31	4590	---	9260	19900	---	48800	---	42900	---	10700	1660	---
TOTAL	135120	688190	708350	385040	531220	695830	1357400	1361300	946300	424110	178650	141040
MEAN	4359	22940	22850	12420	18320	22450	45250	43910	31540	13680	5763	4701
MAX	13600	61400	42100	23900	28400	48800	56300	71800	68200	21700	12800	10400
MIN	90	4750	6510	4090	8530	4440	31700	20200	12500	5440	1660	1170
AC-FT	268000	1365000	1405000	763700	1054000	1380000	2692000	2700000	1877000	841200	354400	279800

CAL YR 1979 TOTAL 11808310 MEAN 32350 MAX 114000 MIN 90 AC-FT 23420000
WTR YR 1980 TOTAL 7552550 MEAN 20640 MAX 71800 MIN 90 AC-FT 14980000

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water Years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to current year.

COOPERATION.--Sediment records furnished by Corps of Engineers, Little Rock, Ark. Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 5,310 micromhos Apr. 4, 1954; minimum daily, 107 micromhos Mar. 21, 1955.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 17, 1952, Jul. 17, 1980; minimum daily, 0.0°C on several days during winter months.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,640 mg/L Apr. 26, 1970; minimum daily mean, 0 mg/L on many days during 1973-75, and 1978-80.
SEDIMENT LOADS: Maximum daily, 1,120,000 tons (1,016,000 tonnes) Apr. 26, 1970; minimum daily, 0 tons (0 tonnes) on many days during 1973-75, and 1978-80.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily 34.0°C July 17; minimum daily, 3.5°C Feb. 9-14.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 50 mg/L May. 4, Jun. 21; minimum daily mean, 0 mg/L on many days.
SEDIMENT LOADS: Maximum daily, 9,690 tons (8,790 tonnes) May. 4; minimum daily, 0 tons (0 tonnes) on many days.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1030	9827	9827	789	8.3	19.0	24.0	5	8.5	100
30...	0950	9827	9827	954	7.6	18.0	19.0	10	8.7	93
NOV										
27...	1000	9827	9827	1150	8.0	16.0	12.0	20	12.3	114
JAN										
15...	1115	9827	9827	456	7.7	10.0	7.0	40	11.6	95
FEB										
12...	1020	9827	9827	689	8.0	.0	3.0	10	11.6	86
MAR										
11...	0750	9827	9827	1100	8.8	7.0	9.0	15	--	--
APR										
15...	0830	9827	9827	670	7.9	9.0	12.0	40	9.7	90
MAY										
13...	0920	9827	9827	887	--	24.0	21.0	50	7.3	81
JUN										
10...	0915	9827	9827	1030	7.9	23.0	26.0	60	7.4	90
JUL										
08...	0945	9827	9827	--	7.8	33.0	31.0	80	6.6	88
AUG										
05...	0915	9827	9827	1020	7.9	29.0	29.0	90	5.9	75
SEP										
02...	0930	9827	9827	901	7.6	30.0	29.0	20	7.5	96
30...	0930	9827	9827	--	8.0	19.0	22.0	--	7.4	84

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1030	1.7	36	50	4.3	9.4	100	5.0	100	230	54
30...	0950	1.1	160	--	--	--	--	--	--	190	67
NOV											
27...	1000	2.7	11	--	--	--	--	--	--	250	69
JAN											
15...	1115	1.2	16	--	28	6.0	54	4.0	73	74	34
FEB											
12...	1020	1.7	<4	--	--	--	--	--	--	130	41
MAR											
11...	0750	2.1	<4	--	--	--	--	--	--	240	54
APR											
15...	0830	1.3	20	14	40	9.9	76	4.0	90	130	46
MAY											
13...	0920	1.8	<4	--	--	--	--	--	--	180	58
JUN											
10...	0915	2.1	<4	--	--	--	--	--	--	220	69
JUL											
08...	0945	2.3	<4	--	33	9.5	98	5.0	--	280	54
AUG											
05...	0915	2.2	200	--	--	--	--	--	--	210	82
SEP											
02...	0930	--	100	--	--	--	--	--	--	180	70
30...	0930	1.4	44	160	--	--	--	--	--	--	59

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1030	459	12	.06	.010	.130	.050	<5	<10	<5
30...	0950	526	14	.08	.010	.130	.050	--	<10	--
NOV										
27...	1000	641	16	.42	<.010	.090	.090	--	<10	--
JAN										
15...	1115	264	15	.39	.030	.090	.070	--	<10	--
FEB										
12...	1020	393	14	.38	.010	.060	.050	--	<10	--
MAR										
11...	0750	595	14	.09	.010	.040	.050	--	<10	--
APR										
15...	0830	381	17	.54	--	--	.130	8	<10	9
MAY										
13...	0920	525	42	.57	.010	.110	.130	--	<10	--
JUN										
10...	0915	569	30	.45	.020	.050	--	--	<10	--
JUL										
08...	0945	395	25	--	.010	.100	.140	--	<10	--
AUG										
05...	0915	570	13	.08	.060	.090	.090	--	<10	--
SEP										
02...	0930	512	10	.12	.070	.100	.070	--	<10	--
30...	0930	435	17	--	--	--	.110	9	<10	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1030	<20	400	<10	30	40	--	--	--	--	--
30...	0950	<20	990	--	54	10	.00	.00	.00	.00	.00
NOV											
27...	1000	30	1100	--	130	30	--	--	--	--	--
JAN											
15...	1115	<20	900	30	78	20	--	--	--	--	--
FEB											
12...	1020	<20	640	--	100	60	--	--	--	--	--
MAR											
11...	0750	<20	380	--	110	20	--	--	--	--	--
APR											
15...	0830	20	1900	10	140	20	.00	--	--	--	--
MAY											
13...	0920	<20	2600	--	130	30	.00	--	--	--	--
JUN											
10...	0915	<20	1300	--	110	40	--	--	--	--	--
JUL											
08...	0945	<20	1100	10	130	40	--	--	--	--	--
AUG											
05...	0915	<20	320	--	120	40	--	--	--	--	--
SEP											
02...	0930	20	250	--	67	40	--	--	--	--	--
30...	0930	50	--	10	--	40	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	0950	.00	.00	.00	.00	0	.00

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	24.0	18.0	17.0	---	---	8.0	8.0	6.0	5.5	7.5	7.0
2	24.0	23.5	17.0	16.5	---	---	8.0	8.0	5.5	5.0	7.0	7.0
3	24.0	23.5	16.5	16.5	---	---	8.0	8.0	5.0	4.5	7.0	6.5
4	23.5	22.5	16.5	16.0	---	---	7.5	7.0	4.5	4.5	6.5	6.5
5	23.0	22.0	16.0	15.5	7.5	7.0	7.0	7.0	4.5	4.0	7.0	6.5
6	22.0	22.0	15.5	15.0	7.5	7.0	7.0	6.5	4.5	4.0	7.0	6.5
7	22.0	21.5	15.0	14.5	7.5	7.0	6.5	6.5	4.5	4.0	6.5	6.5
8	22.0	21.5	14.5	14.0	7.0	7.0	6.5	6.0	4.0	4.0	7.5	6.5
9	21.5	21.0	14.0	13.5	7.0	7.0	6.0	6.0	4.0	3.5	8.5	7.5
10	21.0	20.5	13.5	13.0	7.0	7.0	6.0	6.0	3.5	3.5	8.0	7.5
11	20.5	20.0	13.0	12.5	7.0	7.0	6.5	6.5	3.5	3.5	8.5	8.0
12	20.5	20.0	12.5	12.0	7.5	7.0	6.5	6.5	4.0	3.5	8.5	8.0
13	20.5	20.0	12.0	11.5	7.5	7.0	7.0	7.0	4.0	3.5	8.5	8.0
14	20.0	20.0	11.5	11.0	7.5	7.0	7.0	7.0	4.0	3.5	9.0	8.5
15	20.0	19.5	---	---	7.5	7.0	7.0	7.0	4.0	4.0	8.5	8.5
16	19.5	19.0	---	---	7.0	7.0	7.0	7.0	4.5	4.0	9.0	8.5
17	19.0	19.0	---	---	7.5	7.0	7.5	7.0	5.5	4.5	9.0	9.0
18	19.0	19.0	---	---	7.0	6.5	8.0	7.5	5.0	4.5	10.0	9.0
19	19.0	18.5	---	---	6.5	6.5	8.0	8.0	4.5	4.5	10.0	10.0
20	18.5	18.0	---	---	6.5	6.5	8.0	8.0	5.0	4.5	10.0	10.0
21	18.5	18.0	---	---	6.5	6.5	8.0	8.0	5.5	5.0	11.0	10.0
22	18.5	18.5	---	---	6.5	6.5	8.0	8.0	6.0	5.5	11.0	11.0
23	18.5	18.0	---	---	7.0	6.5	8.0	8.0	6.5	6.0	11.0	11.0
24	18.5	18.0	---	---	8.5	7.0	8.0	8.0	7.0	6.5	11.0	11.0
25	18.5	18.0	---	---	8.5	8.0	8.0	8.0	7.0	7.0	11.0	11.0
26	18.0	18.0	---	---	8.0	7.5	8.0	8.0	7.5	7.0	11.0	10.5
27	18.0	18.0	---	---	8.0	7.5	8.0	8.0	7.0	7.0	10.5	10.0
28	18.0	18.0	---	---	7.5	7.5	8.0	8.0	7.5	7.0	10.5	10.0
29	18.0	18.0	---	---	7.5	7.5	8.0	7.5	7.5	7.5	11.0	10.5
30	18.0	18.0	---	---	7.5	7.5	7.0	7.0	---	---	11.0	11.0
31	18.0	18.0	---	---	8.0	7.5	7.0	6.0	---	---	11.0	11.0
MONTH	24.0	18.0	18.0	11.0	8.5	6.5	8.0	6.0	7.5	3.5	11.0	6.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.0	11.0	17.5	17.0	25.0	24.5	30.5	30.0	30.5	30.0	29.0	28.0
2	11.0	11.0	17.5	17.5	25.0	25.0	30.5	30.5	31.5	30.0	29.0	28.0
3	12.5	11.0	18.0	17.5	26.0	25.0	30.5	29.5	30.0	30.0	28.5	28.0
4	13.0	12.5	18.5	18.0	26.0	26.0	30.0	30.0	30.0	29.5	28.5	28.0
5	13.0	13.0	18.5	18.5	26.5	26.0	31.0	30.0	30.0	30.0	28.5	28.0
6	13.0	13.0	19.0	18.5	27.0	26.5	31.5	31.0	30.0	30.0	29.5	28.5
7	13.5	13.0	19.5	19.0	27.5	27.0	32.0	31.0	30.0	29.5	29.0	29.0
8	14.0	13.5	19.5	19.5	27.5	27.5	32.5	32.0	30.0	29.5	29.0	28.5
9	14.5	14.5	19.5	19.5	27.5	27.0	32.5	32.0	30.5	29.5	29.0	28.0
10	14.5	14.5	19.5	19.0	27.5	27.0	33.0	32.0	30.5	30.0	29.0	28.5
11	14.5	14.5	20.0	19.5	27.5	27.0	33.0	32.5	30.0	29.5	29.0	29.0
12	15.0	14.5	20.0	20.0	27.0	26.5	33.0	33.0	31.0	30.0	29.0	28.5
13	15.0	14.5	21.5	20.0	26.5	26.0	33.5	33.0	31.0	30.5	28.5	28.0
14	14.5	13.5	21.5	21.5	26.5	26.5	33.5	33.0	31.0	30.0	28.0	27.5
15	13.5	13.0	21.5	21.5	27.0	26.5	33.5	33.0	30.5	30.0	28.0	28.0
16	13.0	12.5	21.5	21.0	27.0	27.0	33.5	33.0	30.5	30.0	28.0	27.5
17	13.0	12.5	21.0	21.0	27.0	26.5	34.0	33.0	---	---	27.5	27.0
18	13.5	13.5	21.0	20.5	27.0	26.5	33.5	33.0	---	---	27.0	27.0
19	14.0	13.5	21.0	20.5	27.0	26.5	33.0	32.5	---	---	27.0	26.5
20	15.0	14.0	21.0	21.0	27.0	26.5	32.5	32.0	---	---	27.0	26.0
21	16.0	15.0	21.5	21.0	26.5	26.5	32.5	31.5	---	---	26.0	26.0
22	16.0	16.0	21.5	21.0	26.5	26.0	32.0	31.5	---	---	26.0	26.0
23	17.0	16.0	21.5	21.0	26.0	26.0	31.5	31.0	---	---	26.0	25.5
24	17.5	17.0	21.0	21.0	27.0	26.0	31.5	31.0	---	---	25.5	25.5
25	17.5	17.5	22.0	21.0	27.0	27.0	31.0	30.0	---	---	25.5	25.0
26	17.5	17.0	22.0	22.0	28.0	27.5	30.5	30.0	---	---	25.0	24.5
27	17.0	17.0	23.0	22.0	28.5	28.0	30.0	30.0	---	---	24.5	24.5
28	17.0	16.5	23.0	23.0	29.0	28.5	30.0	30.0	29.0	28.5	24.5	23.0
29	17.0	16.5	24.0	23.0	30.5	29.0	30.0	29.5	29.0	28.5	23.0	22.5
30	17.0	17.0	24.5	24.0	30.5	30.0	30.0	29.5	28.5	28.0	22.5	22.0
31	---	---	24.5	24.5	---	---	30.0	29.5	28.5	28.0	---	---
MONTH	17.5	11.0	24.5	17.0	30.5	24.5	34.0	29.5	31.5	28.0	29.5	22.0

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	7420	0	.00	8030	0	.00	41700	20	2250
2	6980	0	.00	6760	0	.00	41800	20	2260
3	4580	0	.00	6790	0	.00	42100	20	2270
4	4520	0	.00	6540	0	.00	35800	20	1930
5	4390	0	.00	8900	0	.00	18100	10	489
6	1820	0	.00	10300	0	.00	24900	10	672
7	2190	0	.00	9970	0	.00	30900	10	834
8	3970	0	.00	13500	10	364	29600	10	799
9	4460	0	.00	21700	10	586	24500	10	661
10	4790	0	.00	13000	10	351	30200	10	815
11	4610	0	.00	11700	10	316	23200	10	626
12	2740	0	.00	20800	10	562	27200	10	734
13	2020	0	.00	16200	10	437	28200	10	761
14	4030	0	.00	16000	10	432	25000	10	675
15	3050	0	.00	13600	10	367	17500	10	472
16	3430	0	.00	12600	0	.00	21300	10	575
17	4020	0	.00	4750	0	.00	28400	10	767
18	7170	0	.00	5340	0	.00	18100	10	489
19	4800	0	.00	8010	0	.00	12500	0	.00
20	5250	0	.00	11000	0	.00	15900	10	429
21	2850	0	.00	29500	10	796	18000	10	486
22	13600	10	367	41600	20	2250	13200	10	356
23	11900	0	.00	41300	20	2230	20000	10	540
24	3610	0	.00	43000	20	2320	36800	20	1990
25	3360	0	.00	52000	30	4210	34000	20	1840
26	2620	0	.00	58100	40	6270	8180	0	.00
27	90	0	.00	61400	40	6630	6580	0	.00
28	2140	0	.00	54300	30	4400	10300	0	.00
29	1920	0	.00	40300	20	2180	6510	0	.00
30	2200	0	.00	41200	20	2220	8620	0	.00
31	4590	0	.00	---	---	---	9260	0	.00
TOTAL	135120	---	367.00	688190	---	36921.00	708350	---	23720.00

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	14600	10	394	18800	10	508	17800	10	481
2	15400	10	416	9490	0	.00	12600	0	.00
3	11800	0	.00	8530	0	.00	19300	10	521
4	16000	10	432	16300	10	440	23800	10	643
5	9080	0	.00	17500	10	472	22000	10	594
6	7250	0	.00	16400	10	443	21900	10	591
7	10700	0	.00	17600	10	475	13500	10	364
8	10900	0	.00	16400	10	443	5850	0	.00
9	10300	0	.00	17300	10	467	4440	0	.00
10	12900	10	348	14100	10	381	13300	10	359
11	12300	0	.00	19700	10	532	13200	10	356
12	8880	0	.00	16700	10	451	14100	10	381
13	4450	0	.00	14400	10	389	17600	10	475
14	9500	0	.00	13700	10	370	16000	10	432
15	14200	10	383	16300	10	440	6670	0	.00
16	15300	10	413	16900	10	456	5970	0	.00
17	12800	0	.00	23900	10	645	17600	10	475
18	9860	0	.00	23900	10	645	16700	10	451
19	5960	0	.00	18100	10	489	21800	10	589
20	4090	0	.00	21100	10	570	28000	10	756
21	18400	10	497	23700	10	640	21000	10	567
22	13900	10	375	22700	10	613	17800	10	481
23	13900	10	375	16900	10	456	26900	10	726
24	11400	0	.00	17200	10	464	37600	20	2030
25	9240	0	.00	28400	10	767	39900	20	2150
26	7930	0	.00	22000	10	594	39700	20	2140
27	11200	0	.00	25500	10	688	35100	20	1900
28	17300	10	467	19200	10	518	38000	20	2050
29	21700	10	586	18500	10	499	35800	20	1930
30	23900	10	645	---	---	---	43100	20	2330
31	19900	10	537	---	---	---	48800	30	3950
TOTAL	385040	---	5868.00	531220	---	13855.00	695830	---	27722.00

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	48600	30	3940	65200	40	7040	44000	20	2380
2	49800	30	4030	54500	30	4410	44500	20	2400
3	47900	30	3880	60800	40	6570	35400	20	1910
4	51400	30	4160	71800	50	9690	31200	10	842
5	46300	30	3750	61600	40	6650	29800	10	805
6	47000	30	3810	40900	20	2210	29200	10	788
7	54000	30	4370	41300	20	2230	28400	10	767
8	55600	30	4500	40500	20	2190	23000	10	621
9	52300	30	4240	30900	10	834	27800	10	751
10	54400	30	4410	28300	10	764	22300	10	602
11	56300	30	4560	31400	10	848	29400	10	794
12	53200	30	4310	31800	10	859	18200	10	491
13	46900	30	3800	20200	10	545	19900	10	537
14	43800	20	2370	20500	10	553	14100	10	381
15	42200	20	2280	26200	10	707	19400	10	524
16	35000	20	1890	42800	20	2310	12500	0	.00
17	36300	20	1960	62200	40	6720	16900	10	456
18	40900	20	2210	42300	20	2280	34300	20	1850
19	42200	20	2280	43100	20	2330	41100	20	2220
20	41900	20	2260	44600	20	2410	51500	30	4170
21	41400	20	2240	48800	30	3950	68200	50	9210
22	41700	20	2250	55700	30	4510	42200	20	2280
23	40900	20	2210	55000	30	4450	40800	20	2200
24	40300	20	2180	55700	30	4510	41500	20	2240
25	40400	20	2180	51300	30	4160	42300	20	2280
26	31700	10	856	42200	20	2280	39600	20	2140
27	39400	20	2130	33400	20	1800	33900	20	1830
28	41600	20	2250	30500	10	823	24400	10	659
29	42800	20	2310	40900	20	2210	18800	10	508
30	51200	30	4150	44000	20	2380	21700	10	586
31	---	---	---	42900	20	2320	---	---	---
TOTAL	1357400	---	91766	1361300	---	95543	946300	---	47222.00

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	20100	10	543	12800	0	.00	1200	0	.00
2	19100	10	516	1710	0	.00	4850	0	.00
3	21400	10	578	3040	0	.00	10200	0	.00
4	18600	10	502	8210	0	.00	10400	0	.00
5	13300	10	359	6990	0	.00	8960	0	.00
6	15800	10	427	5160	0	.00	1170	0	.00
7	18100	10	489	9200	0	.00	1530	0	.00
8	21700	10	586	4960	0	.00	10000	0	.00
9	16500	10	445	2650	0	.00	8040	0	.00
10	14000	10	378	1740	0	.00	2720	0	.00
11	17600	10	475	10700	0	.00	8920	0	.00
12	17200	10	464	8900	0	.00	7690	0	.00
13	12600	0	.00	6650	0	.00	2420	0	.00
14	14000	10	378	6790	0	.00	2920	0	.00
15	14000	10	378	5450	0	.00	3390	0	.00
16	12000	0	.00	1710	0	.00	3200	0	.00
17	12500	0	.00	1740	0	.00	3010	0	.00
18	19000	10	513	7300	0	.00	2370	0	.00
19	12600	0	.00	8400	0	.00	2700	0	.00
20	6050	0	.00	8990	0	.00	3840	0	.00
21	7440	0	.00	9450	0	.00	1380	0	.00
22	16500	10	445	2260	0	.00	2500	0	.00
23	8820	0	.00	4220	0	.00	5730	0	.00
24	9790	0	.00	3800	0	.00	4400	0	.00
25	6550	0	.00	7840	0	.00	3820	0	.00
26	5440	0	.00	8890	0	.00	2620	0	.00
27	7820	0	.00	4570	0	.00	2730	0	.00
28	11500	0	.00	6360	0	.00	4990	0	.00
29	10800	0	.00	4500	0	.00	6680	0	.00
30	12600	0	.00	2010	0	.00	6660	0	.00
31	10700	0	.00	1660	0	.00	---	---	---
TOTAL	424110	---	7476.00	178650	---	0.00	141040	---	0.00

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	57200	50	7720	61900	50	8360	46800	40	5050
2	56800	50	7670	68900	60	11200	49100	40	5300
3	56800	50	7670	62300	60	10100	40300	40	4350
4	57700	50	7790	65500	60	10600	36900	30	2990
5	56800	50	7670	72100	70	13600	28900	30	2340
6	52300	40	5650	59500	50	8030	30300	30	2450
7	56400	50	7610	46900	40	5070	29100	30	2360
8	74800	70	14100	45300	40	4890	29900	30	2420
9	69200	60	11200	41700	40	4500	25800	30	2090
10	66100	60	10700	29400	30	2380	21000	10	567
11	69500	60	11300	34700	30	2810	23300	30	1890
12	70000	60	11300	32700	30	2650	25100	30	2030
13	61800	50	8340	28200	30	2280	16400	20	886
14	65800	60	10700	24900	30	2020	13800	20	745
15	65800	60	10700	26200	30	2120	19700	20	1060
16	59000	50	7960	51200	40	5530	15100	20	815
17	45200	40	4880	58900	50	7950	15800	20	853
18	57400	50	7750	68500	60	11100	33000	30	2670
19	60100	50	8110	56200	50	7590	42500	40	4590
20	57400	50	7750	53900	50	7280	49000	40	5290
21	52400	50	7070	54400	50	7340	65600	60	10600
22	51800	40	5590	64600	60	10500	60800	50	8210
23	50400	40	5440	69800	60	11300	42800	40	4620
24	48300	40	5220	69200	60	11200	40800	40	4410
25	47600	40	5140	67600	60	11000	40200	40	4340
26	48400	40	5230	60200	60	9750	42600	40	4600
27	46100	40	4980	49600	40	5360	36000	30	2920
28	52600	50	7100	39400	40	4260	31200	30	2530
29	52200	40	5640	42200	40	4560	25200	30	2040
30	50900	40	5500	49200	40	5310	18800	20	1020
31	---	---	---	46800	40	5050	---	---	---
TOTAL	1716800	---	233480	1601900	---	215690	995800	---	96036

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	19000	20	1030	10000	20	540	2170	10	59
2	20900	20	1130	6740	10	182	4610	10	124
3	17500	20	945	1550	10	42	8400	20	454
4	20600	20	1110	6030	10	163	11400	20	616
5	17800	20	961	6470	10	175	6710	10	181
6	10800	20	583	4940	10	133	4820	10	130
7	20100	20	1090	6950	10	188	3000	10	81
8	18200	20	983	8600	20	464	5190	10	140
9	19300	20	1040	2060	10	56	8790	20	475
10	15000	20	810	1270	10	34	7090	10	191
11	12300	20	664	8760	20	473	5610	10	151
12	17100	20	923	9200	20	497	3820	10	103
13	15100	20	815	9060	20	489	3890	10	105
14	11100	20	599	6820	10	184	3180	10	86
15	15000	20	810	4440	10	120	5560	10	150
16	12300	20	664	2910	10	79	5590	10	151
17	11900	20	643	1600	10	43	5020	10	136
18	15600	20	842	3900	10	105	1870	10	50
19	16300	20	880	10300	20	556	987	10	27
20	8870	20	479	8250	20	445	1090	10	29
21	5280	10	143	8100	20	437	1090	10	29
22	8730	20	471	6340	10	171	1000	10	27
23	18300	20	988	2130	10	58	2800	10	76
24	3370	10	91	2660	10	72	10200	20	551
25	5200	10	140	4500	10	121	4670	10	126
26	6430	20	347	5570	10	150	7210	10	195
27	9070	20	490	8150	20	440	2880	10	78
28	6670	10	180	6770	10	183	3410	10	92
29	9660	20	522	3260	10	88	9310	20	503
30	13500	20	729	2440	10	66	5620	10	152
31	9520	20	514	2130	10	58	---	---	---
TOTAL	410500	---	21616	171900	---	6812	146987	---	5268

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR

LOCATION.--Lat 35°06'25", long 93°55'25", in NW 1/4 NW 1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi (0.8 km) downstream from Fletcher Creek, 2.3 mi (3.7 km) south of Booneville, and at mile 102.3 (164.6 km).

DRAINAGE AREA.--241 mi^2 (624 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1938 to current year. Prior to October 1965, published as "Petit Jean Creek near Booneville."

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

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft (129.049 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years (1939-80), 249 ft^3/s (7.05 m^3/s), 14.03 in/yr (356 mm/yr), 180,400 acre-ft/yr (222 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 43,200 ft^3/s (1,220 m^3/s) Apr. 16, 1939, gage height, 23.42 ft (7.138 m), from rating curve extended above 20,500 ft^3/s (581 m^3/s) on basis of slope-area and contracted-opening measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s (110 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 24	0400	4,940	140	14.37	4.380
May 16	1300	*6,600	189	17.24	5.255

No flow July 22 to Sept. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	47	3.4	80	58	42	279	115	57	1.9	.00	.00
2	.09	17	2.5	70	51	38	206	326	44	1.4	.00	.00
3	.12	6.3	2.4	188	52	36	228	1410	36	1.2	.00	.00
4	.11	3.0	2.3	256	52	37	234	500	28	.93	.00	.00
5	.12	1.6	2.2	160	54	36	161	301	23	.80	.00	.00
6	.12	.88	2.9	128	55	31	135	211	20	.72	.00	.00
7	.11	.75	3.5	110	49	29	148	162	16	.62	.00	.00
8	.12	.70	3.7	90	69	27	514	133	14	.53	.00	.00
9	.11	1.3	3.6	76	284	25	225	109	11	.53	.00	.00
10	.08	1.1	3.0	70	282	23	149	89	9.0	.47	.00	.00
11	.09	.70	2.7	75	300	21	124	72	7.6	.44	.00	.00
12	.11	.73	29	69	383	72	107	70	6.4	.37	.00	.00
13	.11	.67	174	58	303	95	532	79	5.4	.30	.00	.00
14	.11	1.4	124	53	306	57	1310	77	3.4	.27	.00	.00
15	.12	1.5	63	50	353	41	634	204	3.1	.21	.00	.00
16	.12	1.3	47	61	293	36	380	5220	3.6	.14	.00	.00
17	.12	1.2	35	74	198	86	299	1330	23	.12	.00	.00
18	.14	1.1	27	61	164	118	257	591	19	.08	.00	.00
19	.16	1.6	23	53	153	86	195	455	20	.05	.00	.00
20	.14	.97	21	59	138	75	162	327	18	.03	.00	.00
21	.10	7.4	20	127	117	59	138	342	14	.01	.00	.00
22	.14	7.7	70	201	98	49	118	911	11	.00	.00	.00
23	.09	18	1620	174	85	250	97	630	11	.00	.00	.00
24	.09	26	2900	139	73	535	82	373	16	.00	.00	.09
25	.08	16	658	118	63	273	168	242	12	.00	.00	.07
26	.07	11	347	93	54	196	189	172	9.1	.00	.00	.16
27	.06	7.7	236	77	49	156	162	133	7.0	.00	.00	1.3
28	.08	5.5	171	67	48	178	123	104	5.0	.00	.00	24
29	.09	4.3	135	68	44	285	95	89	3.4	.00	.00	19
30	1.4	4.0	114	77	---	882	76	86	2.6	.00	.00	2.3
31	35	---	96	74	---	426	---	72	---	.00	.00	---
TOTAL	39.53	198.40	6942.2	3056	4228	4300	7527	14935	458.6	11.12	.00	46.92
MEAN	1.28	6.61	224	98.6	146	139	251	482	15.3	.36	.000	1.56
MAX	35	47	2900	256	383	882	1310	5220	57	1.9	.00	24
MIN	.06	.67	2.2	50	44	21	76	70	2.6	.00	.00	.00
CFSM	.005	.03	.93	.41	.61	.58	1.04	2.00	.06	.001	.000	.006
IN.	.01	.03	1.07	.47	.65	.66	1.16	2.31	.07	.00	.00	.01
AC-FT	78	394	13770	6060	8390	8530	14930	29620	910	22	.00	93

CAL YR 1979 TOTAL 178372.65 MEAN 489 MAX 9010 MIN .06 CFSM 2.03 IN 27.53 AC-FT 353800
WTR YR 1980 TOTAL 41742.77 MEAN 114 MAX 5220 MIN .00 CFSM .47 IN 6.44 AC-FT 82800

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	1320	9827	9827	162	6.9	15.0	20.0	15	6.1	66
NOV 20...	1340	9827	9827	121	8.1	23.0	17.0	80	4.3	44
DEC 04...	1320	9827	9827	118	7.3	16.0	11.0	40	8.6	77
JAN 08...	1000	9827	9827	84	6.6	4.0	8.0	100	11.8	99
FEB 05...	0950	9827	9827	135	7.0	8.0	7.0	15	13.3	109
MAR 04...	1000	9827	9827	84	7.2	14.0	10.0	40	11.9	105
APR 01...	1020	9827	9827	--	6.7	16.0	12.0	70	9.7	90
MAY 06...	0955	9827	9827	--	7.0	26.0	21.0	60	8.1	90
JUN 03...	0910	9827	9827	--	7.0	22.0	21.0	60	--	--
JUL 15...	1530	9827	9827	--	8.2	32.0	23.0	60	8.8	101
29...	0920	9827	9827	--	7.7	30.0	25.0	60	3.7	44

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1320	--	170	42	7.7	5.1	12	2.0	39	12	6.0
NOV 20...	1340	5.8	55	--	--	--	61	--	--	7.5	7.0
DEC 04...	1320	1.1	4	--	--	--	--	--	--	7.5	8.0
JAN 08...	1000	3.3	200	25	4.0	3.0	7.0	2.0	15	8.0	17
FEB 05...	0950	3.7	<4	--	--	--	--	--	--	14	47
MAR 04...	1000	2.1	16	--	--	--	--	--	--	11	15
APR 01...	1020	3.1	220	23	4.1	2.3	6.9	2.0	28	7.5	16
MAY 06...	0955	.5	<4	--	--	--	--	--	--	5.5	20
JUN 03...	0910	3.6	190	--	--	--	--	--	--	7.5	15
JUL 15...	1530	4.0	170	--	32	13	160	7.0	--	--	--
29...	0920	--	--	--	--	--	--	--	--	--	9.0

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 09...	1320	83	10	.02	<.010	.070	.040	<5	<10	<5
NOV 20...	1340	90	16	.02	<.010	.170	.050	--	<10	--
DEC 04...	1320	90	4	.02	<.010	.050	.090	--	<10	--
JAN 08...	1000	--	6	.36	.020	.030	.030	--	<10	--
FEB 05...	0950	--	--	--	.010	--	11.000	--	<10	--
MAR 04...	1000	62	2	.01	.010	.040	.010	--	<10	--
APR 01...	1020	51	28	.11	.030	.070	.040	<1	<10	4
MAY 06...	0955	--	--	.10	.020	.070	.070	--	<10	--
JUN 03...	0910	--	12	.07	.010	.070	.040	--	<10	--
JUL 15...	1530	--	--	.17	.020	.040	.100	--	<10	--
29...	0920	97	4	--	<.010	.850	.020	--	<10	--

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1320	<20	620	<10	390	120	--	--	--	--	--
NOV											
20...	1340	<20	1200	--	440	--	--	--	--	--	--
DEC											
04...	1320	130	490	--	140	10	--	--	--	--	--
JAN											
08...	1000	<20	1200	30	33	--	.00	.00	.00	.00	.00
FEB											
05...	0950	<20	--	--	50	60	--	--	--	--	--
MAR											
04...	1000	<20	1000	--	37	40	--	--	--	--	--
APR											
01...	1020	<20	2100	<10	21	10	--	--	--	--	--
MAY											
06...	0955	730	2400	--	95	550	--	--	--	--	--
JUN											
03...	0910	<20	1600	--	85	40	--	--	--	--	--
JUL											
15...	1530	<20	--	<10	64	--	--	--	--	--	--
29...	0920	<20	200	--	310	70	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1220	--	--	--	--	0	--
JAN							
08...	1000	.00	.00	.00	.00	0	.00
FEB							
12...	1445	--	--	--	--	0	--
JUN							
10...	1400	--	--	--	--	0	--
AUG							
05...	1430	--	--	--	--	0	--
SEP							
30...	1340	--	--	--	--	0	--

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR

LOCATION.--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, Hydrologic Unit 11110204, on left bank 0.8 mi (1.3 km) downstream from Rock Creek, 1.2 mi (1.9 km) downstream from Cedar Creek 1.3 mi (2.1 km) south of Waveland, 1.4 mi (2.3 km) downstream from Blue Mountain Dam, and at mile 73.0 (117.5 km).

DRAINAGE AREA.--516 mi^2 (1,336 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1939 to current year. Published as "Petit Jean Creek near Blue Mountain" prior to October 1943, and as "Petit Jean Creek near Waveland" October 1943 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

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

GAGE.--Water-stage recorder. Datum of gage is 339.70 ft (103.541 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1943, at site 1.8 mi (2.9 km) upstream at datum 9.54 ft (2.907 m) higher.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 1.4 mi (2.3 km) upstream, capacity, 257,900 acre-ft (318 hm^3).

AVERAGE DISCHARGE.--41 years, 527 ft^3/s (14.9 m^3/s), 381,800 acre-ft/yr (471 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,600 ft^3/s (1,770 m^3/s) Apr. 16, 1939, gage height, 29.95 ft (9.129 m), site and datum then in use, or 34.0 ft (10.36 m) from floodmarks, present site; no flow at times in 1943, 1946, 1978. Maximum discharge since construction of Blue Mountain Dam in 1947, 8,580 ft^3/s (243 m^3/s) Jan. 2, 1947, gage height, 27.25 ft (8.306 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1916, that of Apr. 16, 1939.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,120 ft^3/s (60.0 m^3/s) May 22, gage height, 13.05 ft (3.978 m); minimum daily, 1.3 ft^3/s (0.037 m^3/s) Oct. 26-27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	10	1.6	1740	127	81	78	111	1230	20	16	59
2	8.5	8.0	1.6	1550	142	79	70	130	956	20	16	57
3	6.5	8.5	1.5	1170	140	82	68	160	413	20	15	56
4	5.5	7.0	1.5	467	138	83	58	158	169	20	15	54
5	5.5	6.0	2.8	397	137	82	53	549	111	20	16	54
6	5.4	5.0	4.7	281	137	82	50	1290	66	19	17	60
7	5.4	5.5	4.8	193	136	81	58	1260	36	19	17	64
8	5.3	6.0	4.3	139	138	79	76	870	35	19	17	67
9	5.2	8.0	4.2	137	137	79	64	413	37	19	17	67
10	5.4	7.0	4.1	110	137	79	55	195	34	19	16	63
11	5.4	6.5	4.0	91	395	79	53	153	34	19	16	63
12	5.3	6.0	7.6	89	636	84	51	115	32	19	16	66
13	5.2	5.0	6.5	89	637	267	118	365	32	19	14	70
14	5.1	3.0	4.9	110	647	343	689	306	29	19	14	73
15	2.6	2.1	2.7	142	700	170	1370	173	28	16	16	78
16	3.2	2.0	2.2	144	702	98	1760	690	28	10	16	77
17	2.1	2.0	163	143	683	103	1680	213	28	9.4	16	84
18	2.0	1.9	325	144	672	99	1650	136	26	9.4	15	84
19	2.0	1.9	290	144	567	129	1640	514	46	9.4	12	85
20	1.8	1.8	204	144	418	171	1620	1410	83	9.4	14	86
21	1.8	2.1	135	150	415	181	1600	1910	82	9.4	16	87
22	2.0	3.0	101	202	306	179	1590	1300	80	9.4	19	93
23	1.5	2.5	458	507	185	168	1570	1410	54	8.9	22	91
24	1.4	2.0	265	607	111	111	1540	1920	37	18	22	24
25	1.4	1.9	107	327	86	88	1220	1890	41	14	24	11
26	1.3	1.8	851	228	83	74	1120	1850	41	16	33	11
27	1.3	1.7	1590	250	82	65	702	1890	26	17	36	12
28	1.6	1.7	1680	161	82	65	413	2010	20	19	40	14
29	1.5	1.6	2050	109	81	77	237	1530	20	16	47	20
30	13	1.6	1990	107	---	127	120	1330	20	15	53	32
31	18	---	1920	105	---	92	---	1280	---	15	57	---
TOTAL	144.2	123.1	12188.0	10177	8857	3577	21373	27531	3874	492.3	680	1762
MEAN	4.65	4.10	393	328	305	115	712	888	129	15.9	21.9	58.7
MAX	18	10	2050	1740	702	343	1760	2010	1230	20	57	93
MIN	1.3	1.6	1.5	89	81	65	50	111	20	8.9	12	11
AC-FT	286	244	24170	20190	17570	7090	42390	54610	7680	976	1350	3490

CAL YR 1979 TOTAL 363717.3 MEAN 996 MAX 2750 MIN 1.3 AC-FT 721400
WTR YR 1980 TOTAL 90778.6 MEAN 248 MAX 2050 MIN 1.3 AC-FT 180100

07260500 PETIT JEAN RIVER AT DANVILLE, AR

LOCATION.--Lat 35°03'33", long 93°23'44", in NW 1/4 SE 1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mi (0.5 km) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi (0.8 km) upstream from Spring Creek, 0.6 mi (1.0 km) downstream from Dutch Creek, and at mile 48.8 (78.5 km).

DRAINAGE AREA.--764 mi^2 (1,979 km^2).

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft (92.455 m) National Geodetic Vertical Datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi (0.5 km) downstream at datum 0.25 ft (0.076 m) higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi (3.5 km) downstream.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi (41.2 km) upstream, capacity, 257,900 acre-ft (318 hm^3).

AVERAGE DISCHARGE.--64 years, 810 ft^3/s (22.9 m^3/s), 586,800 acre-ft/yr (724 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s (2,010 m^3/s) Apr. 17, 1939, gage height, 31.82 ft (9.699 m); no flow at times in 1924, 1934-36, 1943, 1956, 1963, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,560 ft^3/s (101 m^3/s) May 16, gage height, 18.09 ft (5.514 m); minimum daily, 1.0 ft^3/s (0.028 m^3/s) July 25, 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	9.7	6.2	1800	171	135	527	208	1510	19	6.4	5.1
2	15	17	6.1	1630	195	127	381	202	1440	22	7.6	4.6
3	7.1	14	6.1	1500	200	120	354	263	962	22	7.8	4.1
4	5.1	9.3	6.4	937	198	122	338	299	422	22	6.6	7.2
5	4.4	7.1	6.8	441	197	122	273	283	213	24	4.6	6.4
6	4.2	6.7	6.7	416	193	117	231	1190	181	28	4.8	6.1
7	3.6	6.2	4.4	268	187	117	211	1420	114	27	4.9	6.1
8	3.3	6.1	5.7	208	200	115	550	1330	80	21	4.9	5.8
9	3.6	6.1	8.9	176	220	110	602	742	72	19	4.0	5.7
10	3.7	6.1	9.7	174	239	107	379	360	69	19	5.2	5.8
11	3.8	6.1	9.7	141	279	104	299	228	62	16	5.5	5.8
12	4.5	6.4	16	124	824	145	253	407	56	15	5.4	5.5
13	4.6	6.8	29	125	934	175	276	608	53	14	6.0	5.2
14	4.5	6.8	74	127	970	411	1800	731	48	11	5.1	5.2
15	4.6	6.9	37	153	1080	340	2710	372	43	9.4	4.7	5.7
16	4.7	6.8	15	183	1140	187	2490	2640	43	12	4.6	5.0
17	4.3	5.7	10	187	1010	178	2330	3040	45	12	4.2	5.7
18	4.5	4.9	256	186	935	186	2060	1510	47	8.9	4.2	5.6
19	4.3	4.7	332	183	894	176	1960	817	48	10	3.8	5.5
20	4.6	4.0	273	187	642	216	1880	1470	72	7.8	4.1	5.8
21	4.6	5.1	223	201	560	246	1790	1800	110	4.9	3.7	6.1
22	6.8	5.0	109	246	515	251	1720	2300	114	2.7	2.8	6.5
23	4.1	4.6	220	400	346	287	1670	2000	122	2.0	3.1	14
24	3.1	5.0	1980	811	249	784	1640	2110	88	1.4	3.3	23
25	2.7	13	1260	610	177	674	1560	2190	62	1.0	3.2	27
26	2.4	13	460	399	154	416	1390	2100	64	1.0	3.8	13
27	2.3	7.8	1450	322	147	309	1270	2000	62	1.8	3.2	10
28	2.4	6.4	1570	325	143	285	694	2060	54	6.1	3.7	20
29	3.1	5.8	1700	206	140	310	490	2080	34	19	4.7	34
30	6.3	6.5	1930	188	---	1070	277	1790	22	27	5.1	26
31	11	---	1920	182	---	922	---	1570	---	18	5.2	---
TOTAL	165.2	219.6	13940.7	13036	13139	8864	32405	40120	6312	424.0	146.2	291.5
MEAN	5.33	7.32	450	421	453	286	1080	1294	210	13.7	4.72	9.72
MAX	22	17	1980	1800	1140	1070	2710	3040	1510	28	7.8	34
MIN	2.3	4.0	4.4	124	140	104	211	202	22	1.0	2.8	4.1
CFSM	.007	.01	.59	.55	.59	.37	1.41	1.69	.28	.02	.006	.01
IN.	.01	.01	.68	.63	.64	.43	1.58	1.95	.31	.02	.01	.01
AC-FT	328	436	27650	25860	26060	17580	64280	79580	12520	841	290	578

CAL YR 1979	TOTAL	536055.2	MEAN	1469	MAX	13100	MIN	2.3	CFSM	1.92	IN	26.10	AC-FT	1063000
WTR YR 1980	TOTAL	129063.2	MEAN	353	MAX	3040	MIN	1.0	CFSM	.46	IN	6.28	AC-FT	256000

07260640 PETIT JEAN RIVER NEAR CENTERVILLE, AR

LOCATION.--Lat 35°04'35", long 93°12'10", in NE 1/4 sec.23, T.5 N., R.21 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 7, 3.8 mi (6.1 km) southwest of Centerville.

DRAINAGE AREA.--927 mi^2 (2,401 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1100	9827	9827	92	7.0	18.0	21.0	60	6.7	74
30...	1020	9827	9827	71	6.8	19.0	17.0	80	4.7	48
NOV										
27...	1030	9827	9827	105	7.3	16.0	10.0	50	7.2	64
JAN										
15...	1135	9827	9827	67	6.9	12.0	5.0	60	11.3	88
FEB										
12...	1050	9827	9827	70	6.8	.0	3.0	50	11.9	88
MAR										
11...	0825	9827	9827	71	7.1	7.0	10.0	60	--	--
APR										
15...	0900	9827	9827	53	6.7	11.0	9.0	100	9.7	84
MAY										
13...	1130	9827	9827	78	--	31.0	22.0	100	6.2	70
JUN										
10...	1215	9827	9827	68	6.7	26.0	25.0	100	5.6	67
JUL										
08...	1135	9827	9827	--	6.9	38.0	34.0	120	5.1	71
AUG										
05...	1305	9827	9827	133	7.2	36.0	30.0	180	5.6	74
SEP										
02...	1145	9827	9827	159	6.9	35.0	28.0	80	5.3	67
30...	1130	9827	9827	--	7.0	23.0	20.0	--	6.0	65

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1100	1.8	230	22	1.8	3.1	5.3	2.0	18	7.0	53
30...	1020	1.7	92	--	--	--	--	--	--	7.5	10
NOV											
27...	1030	2.4	56	--	--	--	--	--	--	8.0	4.0
JAN											
15...	1135	.7	80	--	4.0	2.0	5.5	2.0	17	5.5	11
FEB											
12...	1050	1.6	56	--	--	--	--	--	--	8.0	9.0
MAR											
11...	0825	1.9	36	--	--	--	--	--	--	7.5	12
APR											
15...	0900	2.8	>600	26	2.9	2.1	3.7	3.0	13	6.0	10
MAY											
13...	1130	4.8	<4	--	--	--	--	--	--	6.0	10
JUN											
10...	1215	2.8	88	--	--	--	--	--	--	9.0	11
JUL											
08...	1135	1.4	120	--	4.0	3.7	7.0	2.0	--	19	6.0
AUG											
05...	1305	2.7	60	--	--	--	--	--	--	9.5	10
SEP											
02...	1145	--	35	--	--	--	--	--	--	11	5.0
30...	1130	1.3	190	24	--	--	--	--	--	--	5.0

07260640 PETIT JEAN RIVER NEAR CENTERVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1100	64	51	.32	.010	.110	.080	<5	<10	<5
30...	1020	84	18	.05	.010	.090	.060	--	<10	--
NOV										
27...	1030	81	5	<.01	.010	.090	.040	--	<10	--
JAN										
15...	1135	62	16	.27	.030	.120	.070	--	<10	--
FEB										
12...	1050	90	17	.31	.020	.080	.070	--	<10	--
MAR										
11...	0825	67	34	.18	.010	.050	.080	--	<10	--
APR										
15...	0900	73	180	.21	--	--	.250	20	<10	30
MAY										
13...	1130	88	--	.26	.020	.230	.250	--	<10	--
JUN										
10...	1215	76	60	.39	.010	.060	--	--	<10	--
JUL										
08...	1135	89	24	--	.010	.060	.120	--	<10	--
AUG										
05...	1305	96	21	<.01	.010	.060	.070	--	<10	--
SEP										
02...	1145	98	19	.02	.010	.030	.040	--	<10	--
30...	1130	111	64	--	--	--	.160	<5	<10	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1100	<20	2700	<10	190	30	--	--	--	--	--
30...	1020	<20	1900	--	560	<10	.00	.00	.00	.00	.00
NOV											
27...	1030	<20	910	--	260	60	--	--	--	--	--
JAN											
15...	1135	<20	1600	10	200	<10	--	--	--	--	--
FEB											
12...	1050	<20	2000	--	190	20	--	--	--	--	--
MAR											
11...	0825	20	2400	--	290	<10	--	--	--	--	--
APR											
15...	0900	<20	5200	<10	410	<10	--	--	--	--	--
MAY											
13...	1130	<20	7100	--	440	30	--	--	--	--	--
JUN											
10...	1215	<20	3100	--	420	20	--	--	--	--	--
JUL											
08...	1135	<20	1800	<10	690	10	--	--	--	--	--
AUG											
05...	1305	<20	1000	--	1600	10	--	--	--	--	--
SEP											
02...	1145	<20	980	--	2100	10	--	--	--	--	--
30...	1130	10	--	<10	--	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1020	.00	.00	.00	.00	0	.00

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic Unit 11110203, at Lock and Dam No. 9, 2.0 mi (3.2 km) northwest of Oppelo, and at mile 193.0 (310.5 km).

DRAINAGE AREA.--154,949 mi^2 (401,318 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1150	9827	9827	846	8.1	19.0	24.0	10	9.2	108
30...	1120	9827	9827	954	7.7	20.0	19.0	15	9.1	97
NOV										
27...	1120	9827	9827	--	8.0	17.0	13.0	20	10.5	99
JAN										
15...	0950	9827	9827	450	7.3	11.0	7.0	30	11.4	93
FEB										
12...	0910	9827	9827	610	7.9	-3.0	2.0	10	13.3	96
MAR										
11...	1520	9827	9827	1090	9.0	5.0	9.0	20	--	--
APR										
15...	1430	9827	9827	625	7.7	21.0	15.0	60	9.5	93
MAY										
13...	1245	9827	9827	887	--	30.0	23.0	60	7.8	90
JUN										
10...	1330	9827	9827	1050	7.9	30.0	28.0	50	6.9	87
JUL										
08...	1300	9827	9827	--	7.8	39.0	33.0	60	6.7	92
AUG										
05...	1400	9827	9827	1030	8.4	35.0	30.0	80	8.7	114
SEP										
02...	1300	9827	9827	954	8.0	35.0	31.0	20	9.1	121
30...	1300	9827	9827	--	8.2	25.0	23.0	--	8.0	92

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1150	3.7	8	140	38	9.5	100	5.0	99	240	53
30...	1120	1.2	4	--	--	--	--	--	--	190	66
NOV											
27...	1120	1.4	36	--	--	--	--	--	--	200	61
JAN											
15...	0950	1.1	4	--	29	6.0	55	4.0	72	74	33
FEB											
12...	0910	2.3	<4	--	--	--	--	--	--	110	37
MAR											
11...	1520	3.9	<4	--	--	--	--	--	--	240	53
APR											
15...	1430	1.5	220	140	38	9.8	69	4.0	81	120	42
MAY											
13...	1245	2.2	40	--	--	--	--	--	--	170	56
JUN											
10...	1330	1.6	8	--	--	--	--	--	--	240	68
JUL											
08...	1300	2.5	8	--	34	9.0	96	5.0	--	280	54
AUG											
05...	1400	2.6	<4	--	--	--	--	--	--	210	83
SEP											
02...	1300	--	<4	--	--	--	--	--	--	220	74
30...	1300	1.4	4	160	--	--	--	--	--	--	59

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1150	485	14	.10	.020	.100	.060	<5	<10	<5
30...	1120	510	10	.04	<.010	.100	.050	--	<10	--
NOV										
27...	1120	558	24	.36	<.010	.100	.090	--	<10	--
JAN										
15...	0950	271	37	.40	.030	.090	.090	--	<10	--
FEB										
12...	0910	359	16	.39	.010	.100	.060	--	<10	--
MAR										
11...	1520	590	32	.06	.010	.030	.090	--	<10	--
APR										
15...	1430	358	39	.49	--	--	.140	15	<10	10
MAY										
13...	1245	508	38	.58	.010	.100	.150	--	<10	--
JUN										
10...	1330	576	24	.45	.020	.020	--	--	<10	--
JUL										
08...	1300	391	22	--	.020	.050	.130	--	<10	--
AUG										
05...	1400	574	16	.03	.010	.050	.090	--	<10	--
SEP										
02...	1300	521	7	.05	.010	.050	.060	--	<10	--
30...	1300	445	13	--	--	--	.140	7	<10	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1150	<20	580	<10	93	30	--	--	--	--	--
30...	1120	<20	1200	--	100	<10	.00	.00	.00	.00	.00
NOV											
27...	1120	20	1000	--	150	30	--	--	--	--	--
JAN											
15...	0950	20	1200	40	110	40	--	--	--	--	--
FEB											
12...	0910	30	990	--	150	130	--	--	--	--	--
MAR											
11...	1520	<20	900	--	140	10	--	--	--	--	--
APR											
15...	1430	<20	2200	10	140	20	.00	--	--	--	--
MAY											
13...	1245	<20	2400	--	100	50	.00	--	--	--	--
JUN											
10...	1330	<20	1100	--	100	40	--	--	--	--	--
JUL											
08...	1300	<20	1200	20	61	40	--	--	--	--	--
AUG											
05...	1400	<20	310	--	68	40	--	--	--	--	--
SEP											
02...	1300	<20	160	--	42	40	.00	.00	.00	.00	.00
30...	1300	50	--	30	--	50	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1120	.00	.00	.00	.00	0	.00
SEP							
02...	1300	.00	.00	.00	.00	0	.00

07261000 CADRON CREEK NEAR GUY, AR

LOCATION.--Lat 35°17'56", long 92°24'10", in NW 1/4 SE 1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi (6.9 km) southwest of Guy, 10.5 mi (16.9 km) upstream from Cove Creek, and at mile 48.3 (77.7 km).

DRAINAGE AREA.--169 mi^2 (438 km^2).

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

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

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft (113.288 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 292 ft^3/s (8.27 m^3/s), 23.46 in/yr (596 mm/yr), 211,600 acre-ft/yr (261 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s (527 m^3/s) Aug. 14, 1957, gage height, 24.95 ft (7.605 m), from rating curve extended above 14,000 ft^3/s (396 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,870 ft^3/s (53.0 m^3/s) Dec. 24, gage height, 7.36 ft (2.243 m), no peak above base of 4,000 ft $^3/s$ (110 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	89	123	194	96	81	364	169	93	29	1.0	.00
2	19	66	110	169	93	77	291	148	80	25	.60	.00
3	16	47	98	160	94	74	285	140	68	21	.60	.00
4	14	38	91	162	98	75	291	131	59	17	.50	.00
5	13	33	88	146	99	77	223	114	52	15	.20	.00
6	12	31	85	131	103	73	194	101	44	13	.00	.00
7	11	29	88	135	98	68	179	96	39	11	.00	.00
8	10	30	80	133	101	67	351	85	35	11	.00	.00
9	9.4	30	74	116	110	64	489	77	30	8.6	.00	.00
10	8.6	25	71	108	106	60	351	71	27	8.2	.00	.00
11	8.2	20	70	127	108	57	291	68	24	7.8	.00	.00
12	7.8	15	77	162	118	77	503	89	21	7.0	.00	.00
13	6.7	15	116	142	131	146	547	167	19	7.0	.00	.00
14	6.5	15	142	144	153	135	1100	121	17	7.4	.00	.00
15	6.5	15	127	138	271	118	928	93	16	3.9	.00	.00
16	6.7	15	120	146	422	120	675	237	19	3.6	.00	.00
17	7.4	10	110	167	345	266	537	360	354	3.9	.00	.00
18	7.8	10	103	155	280	443	833	226	327	3.4	.00	.00
19	7.0	15	101	144	239	373	720	162	716	3.9	.00	.00
20	7.0	20	99	140	215	324	557	127	285	4.7	.00	.00
21	7.0	110	96	138	186	303	446	112	184	5.6	.00	.00
22	8.2	270	112	142	162	250	354	169	135	2.5	.00	.00
23	8.2	220	196	150	140	242	297	478	103	1.8	.00	.00
24	6.3	160	1340	142	123	664	255	464	105	2.5	.00	.00
25	10	180	936	135	112	667	330	327	116	2.5	.00	117
26	9.9	270	656	125	101	507	376	239	81	2.3	.00	112
27	9.0	271	481	114	94	386	294	176	64	2.3	.00	71
28	13	207	367	106	91	357	250	140	51	2.0	.00	108
29	13	160	300	101	88	339	221	131	41	2.0	.00	174
30	17	138	260	101	---	432	191	129	35	1.6	.00	133
31	45	---	226	101	---	474	---	108	---	1.3	.00	---
TOTAL	352.2	2554	6943	4274	4377	7396	12723	5255	3240	237.8	2.90	715.00
MEAN	11.4	85.1	224	138	151	239	424	170	108	7.67	.094	23.8
MAX	45	271	1340	194	422	667	1100	478	716	29	1.0	174
MIN	6.3	10	70	101	88	57	179	68	16	1.3	.00	.00
CFSM	.07	.50	1.33	.82	.89	1.41	2.51	1.01	.64	.05	.001	.14
IN.	.08	.56	1.53	.94	.96	1.63	2.80	1.16	.71	.05	.00	.16
AC-FT	699	5070	13770	8480	8680	14670	25240	10420	6430	472	5.8	1420

CAL YR 1979	TOTAL	178255.03	MEAN 488	MAX 12000	MIN .57	CFSM 2.89	IN 39.24	AC-FT 353600
WTR YR 1980	TOTAL	48069.90	MEAN 131	MAX 1340	MIN .00	CFSM .78	IN 10.58	AC-FT 95350

07261250 CADRON CREEK WEST OF CONWAY, AR

LOCATION.--Lat 35°06'51", long 92°31'30", in SW 1/4 NW 1/4 sec.32, T.6 N., R.14 W., Faulkner County, Hydrologic Unit 11110205, 120 ft (37 m) upstream from bridge on U.S. Highway 64 at county line near Conway.

DRAINAGE AREA.--752 mi^2 (1,948 km^2).

PERIOD OF RECORD.--October 1968 to September 1973, February 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	0930	9827	9827	62	6.9	17.0	21.0	30	7.7	86
30...	1335	9827	9827	66	7.0	21.0	18.0	40	7.5	79
NOV										
27...	0910	9827	9827	49	6.6	19.0	10.0	60	9.1	80
JAN										
15...	0815	9827	9827	46	6.7	10.0	5.0	30	11.1	87
FEB										
12...	0830	9827	9827	58	6.6	-4.0	1.0	30	12.5	88
MAR										
11...	1645	9827	9827	49	6.8	4.0	9.0	40	--	--
APR										
15...	1545	9827	9827	39	6.8	21.0	12.0	100	10.1	94
MAY										
13...	1430	9827	9827	56	--	30.0	22.0	60	6.9	78
JUN										
10...	1500	9827	9827	50	6.9	28.0	30.0	50	8.9	117
JUL										
08...	0845	9827	9827	--	--	32.0	32.0	80	6.4	86
AUG										
05...	0820	9827	9827	121	7.1	27.0	27.0	150	3.9	48
SEP										
02...	0835	9827	9827	954	7.5	29.0	30.0	30	6.4	84
30...	0830	9827	9827	--	6.7	19.0	18.0	--	6.1	64

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	0930	3.4	48	22	4.6	2.0	3.2	2.0	16	6.0	1.0
30...	1335	2.6	4	--	--	--	--	--	--	5.5	6.0
NOV											
27...	0910	2.1	410	--	--	--	--	--	--	6.5	6.0
JAN											
15...	0815	1.1	21	--	2.0	1.0	3.4	1.0	10	6.0	8.0
FEB											
12...	0830	1.2	4	--	--	--	--	--	--	7.5	5.0
MAR											
11...	1645	1.6	<4	--	--	--	--	--	--	6.0	7.0
APR											
15...	1545	1.4	>600	16	2.3	1.7	2.1	1.0	12	4.0	5.0
MAY											
13...	1430	2.9	<4	--	--	--	--	--	--	6.5	4.0
JUN											
10...	1500	5.2	<4	--	--	--	--	--	--	5.5	4.0
JUL											
08...	0845	3.5	16	--	5.0	2.1	4.0	2.0	18	19	3.0
AUG											
05...	0820	3.3	72	--	--	--	--	--	--	13	5.0
SEP											
02...	0835	--	<4	--	--	--	--	--	--	180	85
30...	0830	1.6	--	20	--	--	--	--	--	--	1.0

07261250 CADRON CREEK WEST OF CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	0930	49	19	.05	.010	.070	.060	<5	<10	20
30...	1335	55	22	.03	.010	.140	.060	--	--	--
NOV										
27...	0910	56	16	.21	.010	.140	.050	--	--	--
JAN										
15...	0815	41	23	.26	.030	.070	.090	--	<10	--
FEB										
12...	0830	62	6	.26	.010	.070	.040	--	--	--
MAR										
11...	1645	42	25	.21	.010	.050	.050	--	--	--
APR										
15...	1545	44	28	.27	--	--	.080	22	<10	9
MAY										
13...	1430	57	50	.22	.010	.130	.120	--	--	--
JUN										
10...	1500	50	28	.11	.010	.040	--	--	--	--
JUL										
08...	0845	63	31	--	.010	.070	.130	--	<10	--
AUG										
05...	0820	89	210	<.01	.010	.180	.080	--	--	--
SEP										
02...	0835	558	23	.05	.010	.070	.070	--	--	--
30...	0830	75	41	--	--	--	.140	<5	<10	10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	0930	<20	920	<10	87	30	--	--	--	--	--
30...	1335	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
15...	0815	<20	620	10	110	<10	--	--	--	--	--
APR											
15...	1545	<20	2000	<10	140	<10	--	--	--	--	--
JUL											
08...	0845	<20	1200	<10	160	10	--	--	--	--	--
SEP											
30...	0830	10	--	<10	--	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1335	.00	.00	.00	.00	0	.00

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi (9.7 km) west of Conway, and at mile 172.0 (276.7 km).

DRAINAGE AREA.--156,386 mi^2 (405,040 km^2), of which 22,421 mi^2 (57,604 km^2) is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1250	9827	9827	795	8.1	20.0	24.0	10	8.7	102
30...	1220	9827	9827	890	8.0	20.0	19.0	10	8.9	95
NOV										
27...	1220	9827	9827	870	7.9	19.0	12.0	25	10.8	100
JAN										
15...	0845	9827	9827	440	7.3	10.0	7.0	40	11.5	94
FEB										
12...	1520	9827	9827	560	7.8	5.0	4.0	15	13.5	--
MAR										
11...	1620	9827	9827	984	8.9	4.0	9.0	20	--	--
APR										
15...	1530	9827	9827	480	7.6	20.0	13.0	60	10.2	88
MAY										
13...	1350	9827	9827	739	--	30.0	23.0	60	8.2	94
JUN										
10...	1440	9827	9827	1030	7.8	28.0	27.0	50	7.6	94
JUL										
08...	1415	9827	9827	--	7.8	39.0	34.0	80	6.6	92
AUG										
05...	1500	9827	9827	1010	8.5	37.0	30.0	130	10.5	138
SEP										
02...	1445	9827	9827	--	8.0	30.0	30.0	20	9.5	125
30...	1415	9827	9827	--	7.9	24.0	23.0	--	7.1	82

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1250	1.9	8	140	39	9.3	100	5.0	99	200	3.0
30...	1220	1.3	4	--	--	--	--	--	--	180	68
NOV											
27...	1220	1.7	32	--	--	--	--	--	--	170	54
JAN											
15...	0845	.9	<4	--	29	6.0	52	4.0	67	69	31
FEB											
12...	1520	1.8	4	--	--	--	--	--	--	110	35
MAR											
11...	1620	3.2	<4	--	--	--	--	--	--	210	48
APR											
15...	1530	1.6	>1000	100	29	6.3	56	4.0	64	91	33
MAY											
13...	1350	2.0	<4	--	--	--	--	--	--	150	49
JUN											
10...	1440	1.7	4	--	--	--	--	--	--	220	66
JUL											
08...	1415	2.3	<4	--	33	9.1	94	5.0	--	270	52
AUG											
05...	1500	6.5	8	--	--	--	--	--	--	200	82
SEP											
02...	1445	--	<4	--	--	--	--	--	--	190	80
30...	1415	1.5	4	180	--	--	--	--	--	--	51

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1250	459	14	.10	.010	.090	.060	<5	<10	<5
30...	1220	502	14	.05	<.010	.080	.050	--	<10	--
NOV										
27...	1220	483	27	.31	.010	.120	.090	--	<10	--
JAN										
15...	0845	274	13	.41	.010	.160	.080	--	10	--
FEB										
12...	1520	328	16	.39	.010	.070	.050	--	<10	--
MAR										
11...	1620	510	22	.07	.010	.040	.050	--	<10	--
APR										
15...	1530	284	48	.45	--	--	.120	13	<10	10
MAY										
13...	1350	450	32	.53	.010	.110	.120	--	<10	--
JUN										
10...	1440	573	28	.47	.010	.020	--	--	<10	--
JUL										
08...	1415	392	18	--	.010	.020	.130	--	<10	--
AUG										
05...	1500	581	160	<.01	.010	.040	.090	--	<10	--
SEP										
02...	1445	544	8	.05	<.010	.110	.050	--	<10	--
30...	1415	391	20	--	--	--	.020	7	<10	8

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1250	<20	1100	150	61	50	--	--	--	--	--
30...	1220	<20	750	--	78	10	.00	.00	.00	.00	.00
NOV											
27...	1220	20	1300	--	190	<10	--	--	--	--	--
JAN											
15...	0845	340	6100	340	130	590	--	--	--	--	--
FEB											
12...	1520	<20	640	--	120	40	--	--	--	--	--
MAR											
11...	1620	<20	540	--	80	10	--	--	--	--	--
APR											
15...	1530	<20	2300	<10	140	20	.00	--	--	--	--
MAY											
13...	1350	20	2600	--	140	50	.00	--	--	--	--
JUN											
10...	1440	<20	1100	--	150	40	--	--	--	--	--
JUL											
08...	1415	<20	960	10	74	40	--	--	--	--	--
AUG											
05...	1500	<20	270	--	73	50	--	--	--	--	--
SEP											
02...	1445	<20	140	--	33	20	--	--	--	--	--
30...	1415	30	--	20	--	30	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
30...	1220	.00	.00	.00	.00	0	.00

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR

LOCATION.--Lat 34°52'21", long 93°39'24", in NW 1/4 NW 1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi (1.9 km) downstream from Garner Creek, 1.9 mi (3.1 km) east of Gravelly, 6.4 mi (10.3 km) upstream from Gaffords Creek, and at mile 103.7 (166.9 km).

DRAINAGE AREA.--410 mi^2 (1,062 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft (125.120 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 525 ft^3/s (14.9 m^3/s), 17.39 in/yr (442 mm/yr), 380,400 acre-ft/yr (469 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 69,400 ft^3/s (1,970 m^3/s) May 20, 1960, and July 26, 1969, gage height, 30.30 ft (9.235 m); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft^3/s (280 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 24	1000	*14,800	419	18.24	5.560
May 16	1400	12,100	343	16.22	4.944

No flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	132	49	272	208	143	897	346	227	8.8	.36	.00
2	6.9	171	46	234	189	133	684	548	188	7.5	.24	.00
3	6.0	104	43	215	177	126	611	784	159	6.5	.16	.00
4	4.8	77	41	200	171	119	602	790	141	5.8	.08	.00
5	4.1	64	40	183	169	113	505	572	124	5.2	.06	.00
6	3.4	53	39	165	165	107	412	440	108	4.3	.01	.00
7	2.9	45	38	152	155	109	371	353	95	3.8	.00	.00
8	2.6	42	36	137	187	105	528	288	85	3.3	.00	.00
9	3.3	43	35	129	682	98	634	240	77	3.1	.00	.00
10	3.6	44	33	124	770	92	475	204	69	2.8	.00	.00
11	3.3	39	39	137	624	88	370	177	63	2.5	.00	.00
12	3.4	36	54	161	699	115	306	243	57	2.2	.00	.00
13	3.6	36	197	179	795	134	383	319	53	1.9	.00	.00
14	3.3	34	632	171	770	133	2440	295	48	1.5	.00	.00
15	3.2	33	387	165	787	128	2350	351	43	1.3	.00	.00
16	3.2	32	278	165	749	125	1500	8840	39	1.1	.00	.00
17	2.2	31	215	165	608	146	1080	3020	38	1.1	.00	.00
18	2.1	29	177	159	504	246	934	1440	37	.94	.00	.00
19	2.1	29	152	152	446	320	763	1990	35	.86	.00	.00
20	2.0	28	136	152	402	283	608	1730	33	.78	.00	.00
21	1.9	31	122	171	354	250	498	1310	30	.71	.00	.00
22	2.4	46	131	332	306	220	412	1860	27	.63	.00	.00
23	2.6	69	1270	898	264	232	347	1680	25	.51	.00	.09
24	2.8	99	9500	745	234	731	296	1180	24	.41	.00	.50
25	3.1	88	2080	585	208	909	313	803	22	.32	.00	51
26	3.3	76	1150	473	185	670	696	586	19	.41	.00	167
27	3.6	68	808	384	169	533	623	442	16	.79	.00	121
28	5.7	62	589	320	159	465	506	351	14	.71	.00	317
29	16	56	466	286	149	472	416	321	12	.65	.00	1370
30	25	52	384	262	---	1330	350	282	10	.55	.00	667
31	39	---	320	239	---	1290	---	264	---	.47	.00	---
TOTAL	178.0	1749	19487	8112	11285	9965	20910	32049	1918	71.44	.91	2693.59
MEAN	5.74	58.3	629	262	389	321	697	1034	63.9	2.30	.029	89.8
MAX	39	171	9500	898	795	1330	2440	8840	227	8.8	.36	1370
MIN	1.9	28	33	124	149	88	296	177	10	.32	.00	.00
CFSM	.01	.14	1.53	.64	.95	.78	1.70	2.52	.16	.006	.000	.22
IN.	.02	.16	1.77	.74	1.02	.90	1.90	2.91	.17	.01	.00	.24
AC-FT	353	3470	38650	16090	22380	19770	41470	63570	3800	142	1.8	5340

CAL YR 1979 TOTAL 311602.60 MEAN 854 MAX 21400 MIN 1.9 CFSM 2.08 IN 28.27 AC-FT 618100
WTR YR 1980 TOTAL 108418.94 MEAN 296 MAX 9500 MIN .00 CFSM .72 IN 9.84 AC-FT 215000

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
09...	1650	9827	9827	56	6.8	14.0	20.0	15	7.6	83
JAN										
15...	1300	9827	9827	42	7.0	14.0	9.0	30	11.5	99
FEB										
12...	1145	9827	9827	42	6.6	3.0	4.0	50	12.8	98
MAR										
11...	0910	9827	9827	50	7.0	7.0	11.0	30	--	--
APR										
15...	1005	9827	9827	34	6.6	19.0	11.0	60	10.6	95
MAY										
13...	1030	9827	9827	49	--	20.0	23.0	60	7.8	90
JUN										
10...	1130	9827	9827	48	7.0	25.0	25.0	40	7.8	93
JUL										
08...	1045	9827	9827	--	7.0	38.0	32.0	30	6.8	92
AUG										
05...	1200	9827	9827	79	7.2	34.0	29.0	60	6.2	79
SEP										
02...	1040	9827	9827	101	6.7	31.0	28.0	20	6.3	80
30...	1040	9827	9827	--	6.7	22.0	20.0	--	8.6	93

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
09...	1650	--	<4	15	1.8	2.4	3.8	1.0	16	6.0	3.0
JAN											
15...	1300	1.0	40	--	2.0	1.0	3.2	1.0	13	5.5	7.0
FEB											
12...	1145	.9	<4	--	--	--	--	--	--	6.5	4.0
MAR											
11...	0910	1.5	12	--	--	--	--	--	--	7.5	5.0
APR											
15...	1005	1.0	530	12	1.5	1.5	2.2	1.0	9	4.0	5.0
MAY											
13...	1030	1.9	84	--	--	--	--	--	--	7.0	4.0
JUN											
10...	1130	1.2	16	--	--	--	--	--	--	3.0	5.0
JUL											
08...	1045	2.0	<4	--	3.0	2.7	5.0	1.0	--	15	1.0
AUG											
05...	1200	1.0	4	--	--	--	--	--	--	8.0	5.0
SEP											
02...	1040	--	<4	--	--	--	--	--	--	10	3.0
30...	1040	1.6	150	24	--	--	--	--	--	--	1.0

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1650	43	6	.01	<.010	.060	.010	<5	<10	<5
JAN										
15...	1300	35	7	.14	.010	.050	.020	--	<10	--
FEB										
12...	1145	60	7	.12	.010	.010	.020	--	<10	--
MAR										
11...	0910	37	4	.02	.010	.030	.010	--	<10	--
APR										
15...	1005	41	16	.04	--	--	.050	10	<10	8
MAY										
13...	1030	49	14	.07	.010	.040	.040	--	<10	--
JUN										
10...	1130	39	4	.03	<.010	.010	--	--	<10	--
JUL										
08...	1045	44	5	--	<.010	.040	.050	--	<10	--
AUG										
05...	1200	56	6	<.01	.010	.030	.030	--	<10	--
SEP										
02...	1040	57	10	.04	<.010	.040	.020	--	<10	--
30...	1040	42	12	--	--	--	.060	<5	<10	5

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1650	180	400	40	19	80	--	--	--	--	--
JAN											
15...	1300	<20	450	30	38	<10	.00	.00	.00	.00	.00
FEB											
12...	1145	<20	1100	--	71	20	--	--	--	--	--
MAR											
11...	0910	<20	720	--	65	20	--	--	--	--	--
APR											
15...	1005	<20	1300	<10	57	<10	--	--	--	--	--
MAY											
13...	1030	<20	1100	--	43	20	--	--	--	--	--
JUN											
10...	1130	20	600	--	54	40	--	--	--	--	--
JUL											
08...	1045	<20	500	10	69	40	--	--	--	--	--
AUG											
05...	1200	<20	270	--	120	50	--	--	--	--	--
SEP											
02...	1040	<20	260	--	110	40	--	--	--	--	--
30...	1040	40	--	20	--	30	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
15...	1300	.00	.00	.00	.00	0	.00

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR

LOCATION.--Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, on left bank 2,000 ft (610 m) downstream from Nimrod Dam, 4.5 mi (7.2 km) southwest of Nimrod, 9.8 mi (15.8 km) upstream from South Fourche LaFave River, and at mile 62.2 (100.1 km).

DRAINAGE AREA.--684 mi^2 (1,772 km^2).

PERIOD OF RECORD.--March 1936 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

REVISED RECORDS.--WSP 877: 1938. WSP 1311: 1937(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 305.25 ft (93.040 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Mar. 3, 1936, to Dec. 20, 1938, nonrecording gage at site 1.1 mi (1.8 km) downstream at datum 3.92 ft (1.195 m) lower. Dec. 21, 1938, to Aug. 20, 1946, water-stage recorder at site 2.0 mi (3.2 km) downstream at datum 9.72 ft (2.963 m) lower.

REMARKS.--Records good. Flow regulated since 1942 by Nimrod Lake, 2,000 ft (610 m) upstream, capacity, 336,000 acre-ft (414 hm^3).

AVERAGE DISCHARGE.--44 years, 851 ft^3/s (24.1 m^3/s), 616,500 acre-ft/yr (760 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,100 ft^3/s (1,020 m^3/s) Feb. 19, 1938, gage height, 29.7 ft (9.05 m), site and datum then in use, and 27.6 ft (8.41 m), present site and datum, from floodmark; no flow at times in 1936, 1939, 1952. Maximum discharge since construction of Nimrod Dam in 1942, 20,000 ft^3/s (566 m^3/s) Apr. 1, 1945, gage height, 26.19 ft (7.983 m), site and datum then in use, and 16.47 ft (5.020 m), present site and datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 28.8 ft (8.78 m), present site and datum, from information by Corps of Engineers, discharge, 39,000 ft^3/s (1,100 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,300 ft^3/s (150 m^3/s) Dec. 27, gage height, 9.28 ft (2.829 m); minimum daily, 0.64 ft^3/s (0.018 m^3/s) Dec. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	7.9	3.7	876	276	132	2470	328	494	13	17	12
2	9.0	7.7	3.8	461	280	132	1410	394	385	13	18	12
3	9.0	8.0	3.4	233	207	132	1190	507	270	13	18	12
4	9.1	7.6	3.3	233	181	132	1190	509	49	13	18	12
5	8.9	7.5	3.9	233	184	132	1080	972	49	13	17	12
6	8.8	7.7	5.4	233	186	132	685	1260	49	12	17	12
7	8.8	7.6	5.0	233	165	132	482	1110	49	4.4	17	12
8	8.5	7.5	3.9	140	115	132	186	738	49	3.9	17	12
9	8.5	7.9	2.9	91	224	134	1800	317	49	3.9	17	12
10	8.7	7.4	3.4	89	285	133	3560	149	46	3.9	17	12
11	8.5	7.4	5.9	87	558	134	1940	149	46	3.9	17	12
12	8.3	7.2	5.9	87	743	134	1130	150	46	4.6	17	12
13	8.2	7.1	5.5	88	753	134	790	816	79	6.3	17	11
14	8.2	7.0	4.3	141	937	238	656	1200	123	7.4	15	11
15	8.3	7.1	3.5	169	1580	311	2420	896	117	8.0	15	11
16	8.5	5.7	3.2	169	1450	311	3260	193	75	11	15	11
17	8.5	5.8	2.5	212	984	452	3950	1450	60	11	15	11
18	8.6	5.7	1.5	233	693	402	3580	3310	59	11	15	10
19	8.8	5.3	1.2	233	604	228	1820	2920	59	12	15	10
20	8.6	4.6	.93	232	556	282	1000	3530	134	18	15	9.8
21	8.6	5.1	.64	232	457	307	426	4380	160	18	15	9.0
22	9.4	4.9	3.4	231	350	308	47	3230	130	17	15	9.2
23	8.7	4.3	7.5	233	297	310	38	4110	107	16	15	10
24	8.2	4.1	7.9	409	297	748	39	4930	55	16	15	17
25	8.0	4.0	14	777	297	1370	263	4460	55	16	15	28
26	8.3	3.8	1750	958	297	1590	837	2560	55	18	14	27
27	8.3	3.8	4630	662	257	1650	835	1240	54	16	14	28
28	8.8	3.9	4270	391	221	833	1070	1160	38	16	14	29
29	8.4	3.8	3410	394	194	472	825	611	38	16	14	501
30	9.7	3.7	2290	314	---	476	433	496	26	16	14	1030
31	10	---	1370	249	---	2070	---	496	---	16	13	---
TOTAL	285.2	181.1	17826.57	9323	13628	14083	39412	48571	3005	367.3	487	1917.0
MEAN	9.20	6.04	575	301	470	454	1314	1567	100	11.8	15.7	63.9
MAX	25	8.0	4630	958	1580	2070	3950	4930	494	18	18	1030
MIN	8.0	3.7	.64	87	115	132	38	149	26	3.9	13	9.0
AC-FT	566	359	35360	18490	27030	27930	78170	96340	5960	729	966	3800

CAL YR 1979	TOTAL	505083.87	MEAN	1384	MAX	5690	MIN	.64	AC-FT	1002000
WTR YR 1980	TOTAL	149086.17	MEAN	407	MAX	4930	MIN	.64	AC-FT	295700

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, AR

LOCATION.--Lat 34°54'41", long 93°03'21", in SE 1/4 NE 1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi (1.3 km) upstream from Big Cove Creek, 2.1 mi (3.4 km) downstream from Cedar Creek, 4.0 mi (6.4 km) northeast of Hollis, and at mile 5.6 (9.0 km).

DRAINAGE AREA.--210 mi^2 (544 km^2).

PERIOD OF RECORD.--May 1941 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft (111.587 m) Nationl Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 291 ft^3/s (8.24 m^3/s), 18.82 in/yr (478 mm/yr), 210,800 acre-ft/yr (260 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft^3/s (1,540 m^3/s) Mar. 30, 1945, gage height, 19.47 ft (5.934 m), from rating curve extended above 31,000 ft^3/s (878 m^3/s) on basis of slope-area measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,080 ft^3/s (229 m^3/s) Dec. 24, gage height, 9.58 ft (2.920 m), from maximum-stage indicator, no peak above base of 9,000 ft^3/s (260 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	150	39	120	90	53	481	224	39	3.1	.07	.00
2	15	96	35	100	80	48	332	288	33	2.7	.05	.00
3	14	62	31	85	77	45	500	360	28	2.4	.03	.00
4	12	45	28	75	73	43	468	328	24	2.0	.02	.00
5	8.7	35	26	67	73	43	302	218	22	1.8	.00	.00
6	7.9	28	24	62	75	39	233	164	19	1.4	.00	.00
7	7.0	24	22	60	72	37	201	128	17	1.2	.00	.00
8	5.9	22	20	52	146	36	440	106	15	.90	.00	.00
9	5.0	32	20	46	368	34	381	86	13	.67	.00	.00
10	4.4	36	15	44	360	32	258	72	12	.40	.00	.00
11	3.8	30	20	51	275	30	207	64	11	.23	.00	.00
12	3.8	27	30	48	313	88	199	173	8.7	.16	.00	.00
13	3.5	28	90	44	336	138	557	236	7.9	.08	.00	.00
14	3.2	24	350	44	321	128	2310	181	7.0	.05	.00	.00
15	2.8	21	200	43	328	94	1900	142	6.3	.03	.00	.00
16	2.5	19	150	46	288	100	1020	2200	5.5	.02	.00	.00
17	2.3	17	120	47	236	377	647	1050	5.2	.02	.00	.00
18	2.1	15	90	47	199	356	567	486	13	.04	.00	.00
19	2.2	14	75	49	178	268	436	302	16	.02	.00	.00
20	2.2	13	65	53	164	212	324	221	18	.00	.00	.00
21	2.2	386	60	73	142	171	252	164	14	.00	.00	.00
22	3.5	533	70	258	123	136	201	161	13	.00	.00	.00
23	4.7	261	600	431	104	153	168	191	11	.00	.00	.00
24	4.7	178	4700	324	88	1020	142	146	8.1	.00	.00	.00
25	3.9	130	1000	252	77	631	1470	111	7.4	.00	.00	.00
26	3.4	100	600	199	68	399	1400	86	6.3	.14	.00	.00
27	3.0	76	400	161	63	292	812	69	5.2	.61	.00	.00
28	3.5	62	300	136	61	275	509	59	4.4	.49	.00	9.5
29	6.5	51	220	123	56	302	352	51	3.9	.26	.00	204
30	11	45	170	116	---	1590	258	49	3.4	.16	.00	164
31	642	---	140	104	---	818	---	45	---	.11	.00	---
TOTAL	813.7	2560	9710	3360	4834	7988	17327	8161	397.3	18.99	.17	377.50
MEAN	26.2	85.3	313	108	167	258	578	263	13.2	.61	.005	12.6
MAX	642	533	4700	431	368	1590	2310	2200	39	3.1	.07	204
MIN	2.1	13	15	43	56	30	142	45	3.4	.00	.00	.00
CFSM	.13	.41	1.49	.51	.80	1.23	2.75	1.25	.06	.003	.000	.06
IN.	.14	.45	1.72	.60	.86	1.42	3.07	1.45	.07	.00	.00	.07
AC-FT	1610	5080	19260	6660	9590	15840	34370	16190	788	38	.3	749

CAL YR 1979	TOTAL	183625.90	MEAN 503	MAX 10800	MIN 2.1	CFSM 2.40	IN 32.53	AC-FT 364200				
WTR YR 1980	TOTAL	55547.66	MEAN 152	MAX 4700	MIN .00	CFSM .72	IN 9.84	AC-FT 110200				

07263150 FOURCHE LAFAVE RIVER NEAR BIGELOW, AR

LOCATION.--Lat 34°58'42", long 92°38'54", in NE 1/4 sec.24, T.4 N., R.16 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 113, 1.8 mi (2.8 km) southwest of Bigelow, and at mile 5.1 (8.2 km).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1220	9827	9827	48	6.9	20.0	22.0	30	6.6	72
30...	1150	9827	9827	82	6.9	20.0	19.0	60	4.8	51
NOV										
27...	1150	9827	9827	51	6.9	19.0	12.0	90	5.4	50
JAN										
15...	0915	9827	9827	49	6.7	10.0	7.0	60	8.8	72
FEB										
12...	1445	9827	9827	47	6.7	6.0	4.0	75	11.9	91
MAR										
11...	1550	9827	9827	56	7.1	5.0	10.0	50	--	--
APR										
15...	1450	9827	9827	44	6.5	20.0	12.0	75	9.3	86
MAY										
13...	1320	9827	9827	52	--	30.0	22.0	150	6.6	75
JUN										
10...	1400	9827	9827	50	6.6	29.0	28.0	80	4.8	61
JUL										
08...	1345	9827	9827	--	6.8	35.0	33.0	100	5.4	74
AUG										
05...	1430	9827	9827	390	7.3	37.0	30.0	180	4.2	55
SEP										
02...	1405	9827	9827	752	7.4	35.0	29.0	30	6.3	81
30...	1340	9827	9827	--	7.1	25.0	21.0	--	5.1	57

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1220	1.3	28	21	4.3	1.9	4.0	2.0	14	6.0	7.0
30...	1150	--	8	--	--	--	--	--	--	9.0	8.0
NOV											
27...	1150	1.1	40	--	--	--	--	--	--	7.5	3.0
JAN											
15...	0915	1.3	12	--	3.0	2.0	3.6	2.0	15	5.0	8.0
FEB											
12...	1445	1.3	<4	--	--	--	--	--	--	6.0	5.0
MAR											
11...	1550	3.4	<4	--	--	--	--	--	--	8.5	6.0
APR											
15...	1450	1.4	>240	18	2.5	1.8	2.8	2.0	10	6.5	9.0
MAY											
13...	1320	2.6	16	--	--	--	--	--	--	7.0	7.0
JUN											
10...	1400	1.6	4	--	--	--	--	--	--	3.0	7.0
JUL											
08...	1345	4.0	<4	--	4.0	2.8	6.0	2.0	--	19	2.0
AUG											
05...	1430	1.5	<4	--	--	--	--	--	--	69	32
SEP											
02...	1405	--	<4	--	--	--	--	--	--	220	68
30...	1340	1.0	140	40	--	--	--	--	--	--	2.0

07263150 FOURCHE LAFAVE RIVER NEAR BIGELOW, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1220	50	30	<.01	.010	.090	.050	<5	<10	<5
30...	1150	83	16	.06	.010	.130	.060	--	--	--
NOV										
27...	1150	62	6	<.01	.010	.140	.050	--	--	--
JAN										
15...	0915	60	35	.08	.020	.060	.140	--	<10	--
FEB										
12...	1445	70	13	.17	.010	.060	.040	--	--	--
MAR										
11...	1550	52	17	<.01	.010	.030	.050	--	--	--
APR										
15...	1450	48	34	.09	--	--	.110	18	<10	10
MAY										
13...	1320	91	104	.16	.030	.070	.140	--	--	--
JUN										
10...	1400	63	43	.14	.010	.040	--	--	--	--
JUL										
08...	1345	76	28	--	.010	.060	.140	--	<10	--
AUG										
05...	1430	245	245	.18	.020	.080	.080	--	--	--
SEP										
02...	1405	511	16	.03	<.010	.020	.020	--	--	--
30...	1340	99	46	--	--	--	.110	<5	<10	9

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1220	<20	1100	20	91	30	.00	.00	.00	.00	.00
JAN											
15...	0915	<20	2000	30	400	20	--	--	--	--	--
FEB											
12...	1445	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
15...	1450	20	2400	<10	200	<10	--	--	--	--	--
JUN											
10...	1400	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
08...	1345	<20	1600	<10	330	30	--	--	--	--	--
AUG											
05...	1430	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
30...	1340	80	--	30	--	60	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1220	.00	.00	.00	.00	0	.00
FEB							
12...	1445	.00	.00	.00	.00	0	.00
JUN							
10...	1400	.00	.00	.00	.00	0	.00
AUG							
05...	1430	.00	.00	.00	.00	0	.00
SEP							
30...	1340	.00	.00	.00	.00	0	.00

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in Murray Dam control house on right bank and at mile 141.5 (227.7 km).

DRAINAGE AREA.--158,030 mi^2 (409,300 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi (8.8 km) downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi (10.0 km) downstream at datum 223.61 ft (68.156 m) higher. Sept. 20, 1968, to May 9, 1979, auxiliary water-stage recorder 5.5 mi (8.8 km) upstream from former gage.

REMARKS.--Records good. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--53 years, 40,600 ft^3/s (1,150 m^3/s), 29,410,000 acre-ft/yr (36,300 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft^3/s (15,200 m^3/s) May 27, 1943, gage height, 30.05 ft (9.159 m), site and datum then in use; minimum daily, 14 ft^3/s (0.40 m^3/s) Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft (10.55 m) former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft (10.06 m), former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 79,800 ft^3/s (2,260 m^3/s) Apr. 8; maximum tailwater elevation, 235.87 ft (71.893 m) Apr. 8; minimum daily, 987 ft^3/s (28.0 m^3/s) Sept. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5770	7040	43500	19100	18400	23000	57200	61900	46800	19000	10000	2170
2	7040	9000	47000	21300	11700	14300	56800	68900	49100	20900	6740	4610
3	6610	5140	46400	20500	9960	13600	56800	62300	40300	17500	1550	8400
4	4450	7990	44300	16800	14000	22900	57700	65500	36900	20600	6030	11400
5	5110	7600	24900	13300	17400	24300	56800	72100	28900	17800	6470	6710
6	2910	14200	23400	11100	18500	19900	52300	59500	30300	10800	4940	4820
7	2440	6810	29500	9990	15500	17300	56400	46900	29100	20100	6950	3000
8	1580	12400	33000	17200	16500	7490	74800	45300	29900	18200	8600	5190
9	2260	18000	29000	10300	17500	6800	69200	41700	25800	19300	2060	8790
10	3320	15000	27000	13400	18700	10600	66100	29400	21000	15000	1270	7090
11	5870	10900	27000	12700	17100	11800	69500	34700	23300	12300	8760	5610
12	4260	21700	26700	8860	19500	15100	70000	32700	25100	17100	9200	3820
13	1990	16900	32700	7820	20100	20300	61800	28200	16400	15100	9060	3890
14	1910	16500	27800	10400	13500	20500	65800	24900	13800	11100	6820	3180
15	3360	13900	22600	10400	16600	8540	65800	26200	19700	15000	4440	5560
16	3360	11300	17600	19700	19000	9700	59000	51200	15100	12300	2910	5590
17	2440	11600	27900	18300	28400	16300	45200	58900	15800	11900	1600	5020
18	6400	2080	24500	8160	26900	26000	57400	68500	33000	15600	3900	1870
19	3790	9010	15200	8050	24700	22400	60100	56200	42500	16300	10300	987
20	3340	6950	12900	6730	20800	26100	57400	53900	49000	8870	8250	1090
21	7450	26700	18700	17700	26100	32700	52400	54400	65600	5280	8100	1090
22	9230	42100	15700	20100	26800	19000	51800	64600	60800	8730	6340	1000
23	14000	46300	18300	14400	21400	26300	50400	69800	42800	18300	2130	2800
24	4370	44600	44800	19700	20900	43500	48300	69200	40800	3370	2660	10200
25	2660	53500	51700	10900	23400	47600	47600	67600	40200	5200	4500	4670
26	1760	56400	26700	8750	25300	52900	48400	60200	42600	6430	5570	7210
27	2600	63500	13800	16400	25600	46000	46100	49600	36000	9070	8150	2880
28	3470	61300	16200	17000	23300	46500	52600	39400	31200	6670	6770	3410
29	2510	50300	20000	26300	20600	40500	52200	42200	25200	9660	3260	9310
30	1100	43100	16000	22700	---	48700	50900	49200	18800	13500	2440	5620
31	5060	---	17400	25400	---	56500	---	46800	---	9520	2130	---
TOTAL	132420	711820	842200	463460	578160	797130	1716800	1601900	995800	410500	171900	146987
MEAN	4272	23730	27170	14950	19940	25710	57230	51670	33190	13240	5545	4900
MAX	14000	63500	51700	26300	28400	56500	74800	72100	65600	20900	10300	11400
MIN	1100	2080	12900	6730	9960	6800	45200	24900	13800	3370	1270	987
AC-FT	262700	1412000	1671000	919300	1147000	1581000	3405000	3177000	1975000	814200	341000	291500

CAL YR 1979	TOTAL	15467180	MEAN	42380	MAX	173000	MIN	1100	AC-FT	30680000
WTR YR 1980	TOTAL	8569077	MEAN	23410	MAX	74800	MIN	987	AC-FT	17000000

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: October 1970 to current year.

COOPERATION.--Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark. Sediment records furnished by Corps of Engineers, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,410 mg/L Oct. 29, 1971; minimum daily mean, 0 mg/L on many days.
SEDIMENT LOADS: Maximum daily 1,430,000 tons (1,297,000 tonnes) Oct. 29, 1971; minimum daily, 0 tons (0 tonnes) on many days.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 70 mg/L Apr. 8, May 5; minimum daily mean, 10 mg/L on many days.
SEDIMENT LOADS: Maximum daily, 14,100 tons (12,800 tonnes) Apr. 8; minimum daily, 27 tons (24.5 tonnes) Sept. 19, 22.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 24...	0900	9827	9827	834	8.1	12.0	18.0	5	8.6	91	18
NOV 20...	0800	9827	9827	983	7.9	16.0	14.0	10	9.3	89	12
DEC 10...	0802	9827	9827	827	7.6	12.0	8.0	40	11.4	96	14
JAN 22...	0815	9827	9827	413	7.3	12.0	8.0	40	11.3	95	12
FEB 13...	0930	9827	9827	552	7.9	-1.0	3.0	25	13.5	100	14
MAR 26...	0910	9827	9827	749	8.0	12.0	10.0	20	10.9	96	8
JUL 15...	0725	9827	9827	--	8.0	39.0	32.0	70	6.6	89	--
AUG 12...	1830	9827	9827	--	8.5	31.0	32.0	20	8.5	115	13
SEP 16...	1735	9827	9827	933	8.3	36.0	29.0	10	7.9	101	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 24...	0900	1.2	250	130	37	9.5	100	4.0	95	34	50
NOV 20...	0800	1.0	8	--	--	--	--	--	--	210	63
DEC 10...	0802	2.4	<4	--	--	--	--	--	--	160	49
JAN 22...	0815	1.8	25	--	21	5.0	--	--	65	67	29
FEB 13...	0930	2.0	<4	--	--	--	--	--	--	98	33
MAR 26...	0910	1.6	60	--	--	--	--	--	--	160	39
JUL 15...	0725	1.6	8	--	32	9.0	--	--	88	--	48
AUG 12...	1830	2.4	80	--	--	--	--	--	--	45	86
SEP 16...	1735	1.6	--	--	--	--	--	--	--	190	68

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
24...	0900	453	12	.01	<.010	.040	.22	.070	<5	<10	<5
NOV											
20...	0800	579	10	.10	.010	.140	.40	.070	--	--	--
DEC											
10...	0802	462	24	.47	.020	.120	.60	.130	--	--	--
JAN											
22...	0815	243	15	.40	.020	.080	1.4	.080	--	<10	--
FEB											
13...	0930	331	26	.36	.020	.040	<.10	.070	--	--	--
MAR											
26...	0910	442	27	.16	.010	.030	--	.080	--	--	--
JUL											
15...	0725	--	--	.33	.040	.220	.70	.150	--	<10	--
AUG											
12...	1830	573	5	--	.010	.060	1.0	.070	--	<10	--
SEP											
16...	1735	520	15	.04	.010	--	--	.070	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
24...	0900	<20	340	<10	73	20	--	--	--	--	--
JAN											
22...	0815	<20	1000	<10	68	<10	.00	.00	.00	.00	.00
JUL											
15...	0725	<20	--	10	--	20	--	--	--	--	--
AUG											
12...	1830	<20	330	--	91	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
22...	0815	.00	.00	.00	.00	0	.00

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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	5770	10	156	7040	10	190	43500	40	4700
2	7040	10	190	9000	20	486	47000	40	5080
3	6610	10	178	5140	10	139	46400	40	5010
4	4450	10	120	7990	10	216	44300	40	4780
5	5110	10	138	7600	10	205	24900	30	2020
6	2910	10	79	14200	20	767	23400	30	1900
7	2440	10	66	6810	10	184	29500	30	2390
8	1580	10	43	12400	20	670	33000	30	2670
9	2260	10	61	18000	20	972	29000	30	2350
10	3320	10	90	15000	20	810	27000	30	2190
11	5870	10	158	10900	20	589	27000	30	2190
12	4260	10	115	21700	20	1170	26700	30	2160
13	1990	10	54	16900	20	913	32700	30	2650
14	1910	10	52	16500	20	891	27800	30	2250
15	3360	10	91	13900	20	751	22600	30	1830
16	3360	10	91	11300	20	610	17600	20	950
17	2440	10	66	11600	20	626	27900	30	2260
18	6400	10	173	2080	10	56	24500	30	1980
19	3790	10	102	9010	20	487	15200	20	821
20	3340	10	90	6950	10	188	12900	20	697
21	7450	10	201	26700	30	2160	18700	20	1010
22	9230	20	498	42100	40	4550	15700	20	848
23	14000	20	756	46300	40	5000	18300	20	988
24	4370	10	118	44600	40	4820	44800	40	4840
25	2660	10	72	53500	50	7220	51700	40	5580
26	1760	10	48	56400	50	7610	26700	30	2160
27	2600	10	70	63500	60	10300	13800	20	745
28	3470	10	94	61300	50	8280	16200	20	875
29	2510	10	68	50300	40	5430	20000	20	1080
30	1100	10	30	43100	40	4650	16000	20	864
31	5060	10	137	---	---	---	17400	20	940
TOTAL	132420	---	4205	711820	---	70940	842200	---	70808

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	19100	20	1030	18400	20	994	23000	30	1860
2	21300	20	1150	11700	20	632	14300	20	772
3	20500	20	1110	9960	20	538	13600	20	734
4	16800	20	907	14000	20	756	22900	30	1850
5	13300	20	718	17400	20	940	24300	30	1970
6	11100	20	599	18500	20	999	19900	20	1070
7	9990	20	539	15500	20	837	17300	20	934
8	17200	20	929	16500	20	891	7490	10	202
9	10300	20	556	17500	20	945	6800	20	367
10	13400	20	724	18700	20	1010	10600	20	572
11	12700	20	686	17100	20	923	11800	20	637
12	8860	20	478	19500	20	1050	15100	20	815
13	7820	10	211	20100	20	1090	20300	20	1100
14	10400	20	562	13500	20	729	20500	20	1110
15	10400	20	562	16600	20	896	8540	20	461
16	19700	20	1060	19000	20	1030	9700	20	524
17	18300	20	988	28400	30	2300	16300	20	880
18	8160	20	441	26900	30	2180	26000	30	2110
19	8050	20	435	24700	30	2000	22400	30	1810
20	6730	10	182	20800	20	1120	26100	30	2110
21	17700	20	956	26100	30	2110	32700	30	2650
22	20100	20	1090	26800	30	2170	19000	20	1030
23	14400	20	778	21400	20	1160	26300	30	2130
24	19700	20	1060	20900	20	1130	43500	40	4700
25	10900	20	589	23400	30	1900	47600	40	5140
26	8750	20	472	25300	30	2050	52900	50	7140
27	16400	20	886	25600	30	2070	46000	40	4970
28	17000	20	918	23300	30	1890	46500	40	5020
29	26300	30	2130	20600	20	1110	40500	40	4370
30	22700	30	1840	---	---	---	48700	40	5260
31	25400	30	2060	---	---	---	56500	50	7630
TOTAL	463460	---	26646	578160	---	37450	797130	---	71928

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR
(National radiochemical station)
(National stream-quality accounting network station)

LOCATION.--Lat 34°40'07", long 92°09'18", sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi (17.2 km) downstream from Main Street bridge at Little Rock, and at mile 124.2 (199.8 km).

DRAINAGE AREA.--158,288 mi^2 (409,966 km^2), of which 22,241 mi^2 (57,604 km) is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1970 to September 1978.
pH: April 1970 to September 1978.
WATER TEMPERATURES: October 1969 to September 1978.
DISSOLVED OXYGEN: October 1969 to September 1978.

INSTRUMENTATION.--Water-quality monitor since October 1969.

REMARKS.--Discharge figures are for station 07263450, 16.8 mi (26.0 km) upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 29...	1230	1028	1028	3350	825	8.1	18.5	6.5	8.3	88	2100	K12
NOV 26...	1300	1028	1028	55600	795	8.1	10.0	17	11.6	103	K170	120
DEC 20...	1430	1028	1028	13100	728	7.9	5.0	26	12.3	96	K4300	540
JAN 15...	1330	1028	1028	5440	417	7.6	6.5	20	10.9	88	3000	580
FEB 21...	1100	1028	1028	21900	582	8.1	4.5	9.7	13.9	107	--	--
MAR 27...	1100	1028	1028	47700	699	8.0	10.5	23	10.9	97	--	--
APR 16...	1415	1028	1028	56400	500	7.9	14.5	21	10.2	99	410	K44
MAY 23...	1030	1028	1028	67200	514	7.9	19.0	35	9.0	78	670	80
JUN 16...	1030	1028	1028	15100	1020	7.8	26.5	24	7.5	92	730	K4
JUL 22...	1200	1028	1028	3680	771	7.7	31.0	18	6.1	81	422	K28
AUG 29...	1530	1028	1028	1910	990	8.3	30.0	3.1	7.3	95	113	K7
SEP 30...	0915	--	1028	7380	866	8.1	22.0	5.9	6.8	77	K990	88

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 29...	140	44	43	8.4	100	60	3.7	4.5	98	55	160
NOV 26...	140	44	41	9.3	100	67	3.7	5.0	97	53	150
DEC 20...	140	0	42	8.2	88	57	3.3	4.5	140	47	140
JAN 15...	84	28	25	5.2	48	54	2.3	3.2	56	29	69
FEB 21...	120	43	34	7.6	74	57	3.0	3.4	73	38	120
MAR 27...	120	41	36	7.5	90	61	3.6	3.4	80	42	140
APR 16...	98	36	29	6.3	63	57	2.8	3.1	62	33	97
MAY 23...	92	37	26	6.6	66	60	3.0	3.1	55	34	100
JUN 16...	150	56	42	11	140	66	5.0	4.4	94	64	210
JUL 22...	140	42	40	10	110	62	4.0	5.4	99	62	160
AUG 29...	170	61	47	13	130	61	4.3	5.6	110	76	200
SEP 30...	170	61	47	13	110	57	3.7	6.0	110	68	180

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
29...	.3	.5	451	431	.61	4080	.13	.290	1.1	1.4	.30
NOV											
26...	.3	1.1	445	419	.61	66800	.15	.040	.92	.96	.39
DEC											
20...	.1	3.7	404	420	.55	14300	.55	.120	.76	.88	.31
JAN											
15...	.2	4.7	229	220	.31	3360	.40	.130	.84	.97	.34
FEB											
21...	.2	2.7	314	325	.43	18600	.25	.020	.62	.64	.42
MAR											
27...	.2	1.3	370	369	.50	47700	.14	.100	1.0	1.1	.50
APR											
16...	.2	4.5	304	275	.41	46300	.40	.160	.78	.94	.00
MAY											
23...	.1	5.6	286	276	.39	51900	.41	.070	1.3	1.4	.56
JUN											
16...	.2	4.3	542	534	.74	22100	.38	.100	1.4	1.5	.68
JUL											
22...	.4	5.7	448	454	.61	4450	.22	.140	1.1	1.2	.10
AUG											
29...	.3	.3	541	538	.74	2790	.00	.060	1.1	1.2	.10
SEP											
30...	.3	1.0	456	491	.62	9090	.00	.080	.78	.86	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
29...	1.1	1.5	6.8	.120	.090	--	5.1	.4	20	181	70
NOV											
26...	.57	1.1	4.9	.090	.020	8.5	--	--	55	8260	76
DEC											
20...	.57	1.4	6.3	.110	.060	--	--	--	32	1130	86
JAN											
15...	.63	1.4	6.1	.080	.050	--	4.7	--	45	661	71
FEB											
21...	.22	.89	3.9	.080	.030	5.9	--	--	28	1660	52
MAR											
27...	.60	1.2	5.5	.100	.040	6.7	--	--	47	6050	76
APR											
16...	.98	1.3	5.9	.140	.040	--	5.8	.8	58	8830	82
MAY											
23...	.84	1.8	8.0	.130	.050	7.4	--	--	62	11200	77
JUN											
16...	.82	1.9	8.3	.100	.050	--	8.0	1.0	25	1020	82
JUL											
22...	1.1	1.4	6.3	.110	.090	--	8.6	.3	14	139	96
AUG											
29...	1.1	1.2	5.3	.070	.070	6.9	--	--	2	10	83
SEP											
30...	.88	.86	3.8	.150	.100	7.9	--	--	8	159	70

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
29...	1230	1	1	300	200	90	1	0	<1	0
NOV										
26...	1300	--	--	--	--	--	--	--	--	--
JAN										
15...	1330	1	0	200	200	50	1	0	3	10
FEB										
21...	1100	--	--	--	--	--	--	--	--	--
APR										
16...	1415	1	0	100	40	60	0	--	<1	0
MAY										
23...	1030	--	--	--	--	--	--	--	--	--
JUN										
16...	1030	2	1	100	0	100	2	--	<1	0
JUL										
22...	1200	2	2	100	10	90	0	--	<1	10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 29...	0	0	0	0	<3	37	29	8	290	280
JAN 15...	10	0	3	0	<3	17	17	0	990	910
APR 16...	0	0	2	--	<3	10	6	4	1900	1800
JUN 16...	0	0	1	--	<3	49	30	19	780	750
JUL 22...	10	0	3	--	<3	9	5	4	550	530

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 29...	<10	13	13	0	80	70	6	.0	.0	.0
JAN 15...	80	12	12	0	40	30	10	.0	.0	.0
APR 16...	60	6	6	0	140	140	2	.1	.1	.0
JUN 16...	30	7	7	0	90	90	4	.0	.0	.0
JUL 22...	20	7	6	1	70	--	<1	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 29...	0	0	0	0	0	0	30	20	9
NOV 26...	--	--	--	0	--	--	--	--	--
JAN 15...	1	1	0	0	0	0	30	20	8
FEB 21...	--	--	--	1	--	--	--	--	--
APR 16...	0	0	0	3	3	0	30	--	<3
MAY 23...	--	--	--	0	--	--	--	--	--
JUN 16...	1	1	0	0	0	0	30	20	10
JUL 22...	0	0	0	0	0	0	20	20	3

DATE	TIME	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT) (01515)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)
OCT 29...	1230	<5.1	<7.5	.4	.6	4.1	3.9	.6	.7	.09	1.2
JUL 22...	1200	<5.7	<8.4	.4	.6	<3.8	<3.7	<.4	<.4	.18	1.1

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 26,79	MAR 27,80	MAY 23,80	JUN 16,80
TIME	1300	1100	1030	1030
TOTAL CELLS/ML	32000	8300	2000	4000
DIVERSITY: DIVISION	1.0	1.5	1.6	0.6
.CLASS	1.0	1.5	1.6	0.6
..ORDER	1.2	1.9	2.2	1.5
...FAMILY	1.7	2.1	2.7	2.0
....GENUS	2.5	2.6	3.3	2.3

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	100	5	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	96	1	51	3	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	--	-	620	7	26	1	--	-
....CHLORELLA	9200#	28	--	-	13	1	33	1
....KIRCHNERIELLA	2700	8	48	1	--	-	--	-
....OOCYSTIS	2700	8	190	2	--	-	270	7
....SELENASTRUM	--	-	--	-	26	1	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	2700	8	190	2	410#	21	200	5
....TETRASTRUM	780	2	--	-	51	3	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	--	-	--	-	--	-	--	-
....CHLAMYDOMONAS	200	1	96	1	51	3	67	2
....CHLOROGONIUM	--	-	48	1	--	-	--	-
....PLATYMONAS	980	3	--	-	--	-	--	-
...PHACOTACEAE								
....PHACOTUS	--	-	96	1	--	-	--	-
....PTEROMONAS	--	-	--	-	--	-	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	--	-	--	-	13	1	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	48	1	--	-	--	-
....CYCLOTELLA	11000#	35	430	5	370#	19	1800#	45
....MELOSIRA	--	-	190	2	100	5	200	5
....SKELETONEMA	1200	4	--	-	--	-	--	-
....STEPHANODISCUS	--	-	2400#	29	180	9	--	-
..PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	--	-	140	2	--	-	--	-
....COCCONEIS	--	-	--	-	--	-	900#	22
...FRAGILARIACEAE								
....ASTERIONELLA	--	-	290	3	--	-	--	-
....SYNEDRA	--	-	--	-	13	1	--	-
...NAVICULACEAE								
....NAVICULA	200	1	48	1	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	200	1	48	1	26	1	540	13
...SURIRELLACEAE								
....SURIRELLA	--	-	--	-	--	-	33	1
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	NOV 26,79 1300		MAR 27,80 1100		MAY 23,80 1030		JUN 16,80 1030	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	--	-	3300#	40	150	8	--	-
....GOMPHOSPHAERIA	--	-	--	-	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	--	-
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	--	-	330#	17	--	-
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	26	1	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..PERIDINIALES								
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	JUL 22,80		AUG 29,80		SEP 30,80	
TIME	1200		1530		0915	
TOTAL CELLS/ML	7700		23000		27000	
DIVERSITY: DIVISION	1.6		1.1		1.0	
.CLASS	1.6		1.1		1.0	
..ORDER	2.1		1.9		1.6	
...FAMILY	2.4		2.6		2.3	
....GENUS	3.1		3.5		2.4	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	77	1	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	720	9	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	90	1	*	0	140	1
....CHLORELLA	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	120	2	*	0	*	0
....SELENASTRUM	--	-	*	0	--	-
....TETRAEDRON	--	-	*	0	*	0
...SCENEDESMACEAE						
....CRUCIGENIA	210	3	740	3	--	-
....SCENEDESMUS	180	2	1100	5	1100	4
....TETRASTRUM	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CARTERIA	*	0	--	-	--	-
....CHLAMYDOMONAS	39	1	690	3	210	1
....CHLOROGONIUM	--	-	--	-	--	-
....PLATYMONAS	--	-	--	-	--	-
...PHACOTACEAE						
....PHACOTUS	--	-	--	-	--	-
....PTEROMONAS	--	-	*	0	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....COSMARIUM	--	-	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	--	-	550	2	210	1
....CYCLOTELLA	550	7	970	4	920	3
....MELOSIRA	2100#	28	740	3	3400	13
....SKELETONEMA	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-
..PENNALES						
...ACHNANTHACEAE						
....ACHNANTHES	--	-	--	-	--	-
....COCCONEIS	--	-	--	-	210	1
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	--	-	--	-	*	0
...NITZSCHIACEAE						
....NITZSCHIA	120	2	180	1	210	1
...SURIRELLACEAE						
....SURIRELLA	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	JUL 22,80		AUG 29,80		SEP 30,80	
TIME	1200		1530		0915	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	900	12	4400#	19	--	-
....ANACYSTIS	270	4	1200	5	3600	13
....GOMPHOSPHAERIA	--	-	370	2	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	3500#	15	5200#	20
....ANABAENOPSIS	--	-	830	4	--	-
...OSCILLATORIACEAE						
....LYNGBYA	440	6	1800	8	--	-
....OSCILLATORIA	1800#	23	4600#	20	11000#	42
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	-	600	3	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	*	0	*	0	--	-
....TRACHELOMONAS	*	0	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..PERIDINIALES						
...PERIDINIACEAE						
....PERIDINIUM	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	LENGTH OF EXPOSURE (DAYS) (00022)	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70957)	CHLOR-B PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70958)
OCT						
29...	--	--	11.5	9.69	27.2	9.57
29...	1230	35	--	--	--	--
NOV						
26...	--	--	46.0	41.3	31.8	13.7
26...	1300	28	--	--	--	--

07263750 ARKANSAS RIVER AT LOCK AND DAM 3, NEAR SWAN LAKE, AR

LOCATION.--Lat 34°09'36", long 91°40'42", in sec.20, T.6 S., R.6 W., Jefferson County, Hydrologic Unit 08020401, at Dam No. 3, 1.5 mi (2.4 km) southeast of Swan Lake.

DRAINAGE AREA.--158,937 mi^2 (411,647 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
16...	1415	9827	9827	--	8.0	22.0	17.0	30	8.6	89	24
NOV											
13...	1050	9827	9827	846	7.7	5.0	12.0	10	9.9	92	13
DEC											
11...	1410	9827	9827	670	7.8	16.0	9.0	50	11.7	101	17
JAN											
15...	1005	9827	9827	430	7.8	8.0	12.0	40	10.4	96	17
FEB											
20...	1430	9827	9827	519	7.1	13.0	6.0	25	13.6	109	14
MAR											
11...	0735	9827	9827	762	8.0	4.0	9.0	50	13.2	114	36
APR											
07...	1000	9827	9827	--	--	--	--	--	--	--	--
07...	1430	9827	9827	--	7.9	23.0	15.0	40	10.4	102	19
MAY											
06...	1025	9827	9827	837	8.0	22.0	20.0	30	9.9	108	16
JUN											
10...	1430	9827	9827	--	7.8	28.0	22.0	60	--	--	12
JUL											
08...	1135	9827	9827	--	8.0	33.0	31.0	30	18.9	249	77
AUG											
05...	1355	9827	9827	894	8.5	32.0	29.0	80	10.0	--	22
SEP											
02...	1030	9827	9827	1010	8.0	29.0	28.0	20	7.6	96	22
30...	1420	9827	9827	779	7.9	25.0	21.0	--	6.7	74	19

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1415	1.4	8	61	31	12	89	4.0	80	130	45
NOV											
13...	1050	2.0	220	--	--	--	--	--	--	160	53
DEC											
11...	1410	2.9	>830	--	--	--	--	--	--	180	--
JAN											
15...	1005	2.1	150	--	24	6.0	--	4.0	66	73	30
FEB											
20...	1430	1.5	16	--	--	--	--	--	--	94	34
MAR											
11...	0735	4.0	<4	--	--	--	--	--	--	160	41
APR											
07...	1430	2.3	<4	120	33	8.0	93	4.0	77	150	42
MAY											
06...	1025	--	490	--	--	--	--	--	--	160	55
JUN											
10...	1430	1.5	4	--	--	--	--	--	--	180	53
JUL											
08...	1135	13	8	--	38	12	140	6.0	--	--	65
AUG											
05...	1355	3.9	4	--	--	--	--	--	--	39	71
SEP											
02...	1030	1.4	<4	--	--	--	--	--	--	280	83
30...	1420	1.6	--	140	--	--	--	--	--	150	58

07263750 ARKANSAS RIVER AT LOCK AND DAM 3, NEAR SWAN LAKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
16...	1415	368	--	.08	.010	.010	.50	.080	<5	<10	<5
NOV											
13...	1050	470	16	.07	.010	--	.60	.060	--	--	--
DEC											
11...	1410	482	22	.49	.010	.150	.90	.190	--	--	--
JAN											
15...	1005	249	35	.32	.040	--	1.9	--	--	<10	--
FEB											
20...	1430	280	6	.36	.010	--	.80	.090	--	--	--
MAR											
11...	0735	415	45	.03	.010	.040	1.7	.140	--	--	--
APR											
07...	1430	422	44	.22	.020	.050	3.0	--	28	<10	4
MAY											
06...	1025	485	--	.61	.010	.020	1.3	.160	--	--	--
JUN											
10...	1430	--	28	.53	.010	.030	--	.140	--	--	--
JUL											
08...	1135	490	18	.37	.010	.090	--	--	--	<10	--
AUG											
05...	1355	480	12	<.01	.010	.040	1.0	--	--	--	--
SEP											
02...	1030	598	10	.03	<.010	.020	2.2	.070	--	--	--
30...	1420	443	39	--	--	.140	1.0	.190	26	<10	5

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1415	<20	250	<10	35	30	.00	.00	.00	.00	.00
JAN											
15...	1005	350	4700	340	150	350	--	--	--	--	--
FEB											
20...	1430	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
07...	1000	--	--	--	--	--	.00	--	--	--	--
07...	1430	<20	2400	30	220	<10	--	--	--	--	--
MAY											
06...	1025	--	--	--	--	--	.00	--	--	--	--
JUN											
10...	1430	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
08...	1135	20	490	10	74	30	.00	.00	.00	.00	.00
AUG											
05...	1355	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
02...	1030	--	--	--	--	--	.00	.00	.00	.00	.00
30...	1420	--	--	30	--	30	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1415	.00	.00	.00	.00	0	.00
FEB							
20...	1430	.00	.00	.00	.00	0	.00
JUN							
10...	1430	.00	.00	.00	.00	0	.00
JUL							
08...	1135	.00	.00	.00	.00	0	.00
AUG							
05...	1355	.00	.00	.00	.00	0	.00
SEP							
02...	1030	.00	.00	.00	.00	0	.00
30...	1420	.00	.00	.00	.00	0	.00

07264000 BAYOU METO NEAR LONOKE, AR

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi (4.8 km) upstream from Brushy Slough, 3.5 mi (5.6 km) south of Lonoke, and at mile 106.4 (171.2 km).

DRAINAGE AREA.--207 mi^2 (536 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi (7.7 km) upstream are contained in reports of Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke."

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

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft (60.689 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi (7.7 km) upstream at datum 6.97 ft (2.124 m) higher. Feb. 10 to June 29, 1955, nonrecording gage at present site and datum.

REMARKS.--Records fair. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--26 years, 292 ft^3/s (8.27 m^3/s), 211,600 acre-ft/yr (261 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft^3/s (133 m^3/s) May 18, 1968, gage height, 26.55 ft (8.092 m); no flow at times in 1955, 1956, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,800 ft^3/s (51.0 m^3/s) Apr. 15, gage height, 21.86 ft (6.663 m); minimum, 0.20 ft^3/s (0.006 m^3/s) Aug. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	77	255	230	169	54	653	823	486	2.0	1.4	3.7
2	83	104	191	184	166	48	585	691	351	2.0	1.6	3.6
3	75	98	149	164	154	44	496	504	249	1.0	1.2	2.6
4	68	83	122	154	139	53	401	341	189	1.0	1.1	2.7
5	67	68	105	148	131	53	342	233	147	1.0	.98	2.2
6	67	54	93	148	128	50	314	172	119	1.0	.61	3.1
7	60	44	82	144	127	53	261	162	99	1.0	1.1	8.8
8	52	35	70	140	150	56	377	162	84	2.1	1.5	11
9	46	29	61	159	227	46	532	160	74	1.6	1.8	7.9
10	39	24	57	168	314	40	653	151	65	2.0	.65	6.5
11	29	24	53	149	402	39	840	142	53	1.7	.28	3.7
12	24	33	69	131	435	43	1150	168	40	1.5	.61	2.8
13	20	38	221	163	428	51	1490	285	37	1.9	2.6	2.1
14	15	45	352	191	402	133	1750	471	39	3.7	1.9	1.7
15	14	47	429	185	354	220	1780	620	31	2.1	1.5	1.4
16	14	46	445	186	303	362	1710	819	24	1.0	2.6	1.4
17	13	35	382	180	265	674	1660	946	20	1.0	8.9	3.6
18	13	32	293	209	241	773	1600	936	15	1.0	3.1	9.6
19	12	27	232	243	214	860	1490	883	10	.50	1.9	9.2
20	12	27	218	226	187	967	1340	817	7.0	.50	.89	9.5
21	13	33	194	201	168	1060	1170	684	5.0	.50	.79	11
22	13	76	162	279	149	1060	997	591	5.0	.50	1.0	7.3
23	14	150	163	424	132	1020	789	704	10	.50	.93	4.9
24	17	206	305	537	113	1090	580	798	24	.50	2.2	7.8
25	20	248	444	585	93	1030	438	842	22	1.0	2.2	29
26	21	325	558	575	80	946	461	863	15	1.0	2.0	32
27	21	383	623	506	69	887	603	842	10	2.0	2.0	30
28	21	400	634	390	65	841	738	749	8.0	2.0	1.9	40
29	20	381	576	296	58	764	844	650	5.0	.50	2.0	52
30	20	327	445	235	---	773	873	604	4.0	.61	1.5	64
31	58	---	314	190	---	715	---	569	---	.98	2.1	---
TOTAL	1052	3499	8297	7720	5863	14805	26917	17382	2247.0	39.69	54.84	375.1
MEAN	33.9	117	268	249	202	478	897	561	74.9	1.28	1.77	12.5
MAX	91	400	634	585	435	1090	1780	946	486	3.7	8.9	64
MIN	12	24	53	131	58	39	261	142	4.0	.50	.28	1.4
AC-FT	2090	6940	16460	15310	11630	29370	53390	34480	4460	79	109	744

CAL YR 1979 TOTAL 152446.80 MEAN 418 MAX 1750 MIN 8.0 AC-FT 302400
WTR YR 1980 TOTAL 88251.63 MEAN 241 MAX 1780 MIN .28 AC-FT 175000

07264000 BAYOU METO NEAR LONOKE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to September 1972, April 1974 to current year.

REMARKS.--Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 16...	0920	9827	9827	--	7.2	17.0	17.0	30	4.8	49	31
NOV 13...	0915	9827	9827	433	7.2	6.0	7.0	30	8.6	70	34
DEC 12...	0850	9827	9827	376	7.1	3.0	8.0	60	6.9	58	35
JAN 16...	0925	9827	9827	230	7.6	15.0	10.0	50	9.4	83	22
FEB 21...	0845	9827	9827	170	7.5	10.0	7.0	50	10.7	88	20
MAR 12...	0855	9827	9827	348	7.5	7.0	8.0	50	9.2	77	32
APR 07...	0935	9827	9827	--	--	14.0	16.0	--	--	--	--
MAY 06...	0900	9827	9827	218	7.1	20.0	20.0	60	3.6	39	30
JUN 11...	0930	9827	9827	--	7.4	24.0	23.0	60	--	--	38
JUL 08...	0905	9827	9827	--	7.5	29.0	28.0	40	--	--	10
AUG 05...	0805	9827	9827	462	7.6	26.0	30.0	90	1.0	--	41
SEP 02...	0915	9827	9827	498	7.3	24.0	24.0	15	.8	9	32
30...	0900	9827	9827	534	7.3	18.0	19.0	--	4.6	49	33

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 16...	0920	2.2	190	120	33	6.8	27	3.0	63	36	59
NOV 13...	0915	2.4	360	--	--	--	--	--	--	80	10
DEC 12...	0850	2.8	140	--	--	--	--	--	--	51	--
JAN 16...	0925	1.9	120	--	13	4.0	--	3.0	42	35	16
FEB 21...	0845	3.2	60	--	--	--	--	--	--	26	10
MAR 12...	0855	5.6	<10200	--	--	--	--	--	--	70	13
APR 07...	0935	--	<4	--	--	--	--	--	--	--	--
MAY 06...	0900	--	--	--	--	--	--	--	--	26	27
JUN 11...	0930	6.2	12	--	--	--	--	--	--	34	33
JUL 08...	0905	--	--	--	40	12	34	4.0	--	--	16
AUG 05...	0805	--	100	--	--	--	--	--	--	36	35
SEP 02...	0915	.5	<4	--	--	--	--	--	--	61	27
30...	0900	1.4	<4	170	--	--	--	--	--	42	93

07264000 BAYOU METO NEAR LONOKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 16...	0920	239	--	.30	.010	.020	.80	.180	<5	<10	<5
NOV 13...	0915	274	14	.54	.030	--	1.0	.210	--	--	--
DEC 12...	0850	246	15	.39	.010	.120	1.4	.340	--	--	--
JAN 16...	0925	146	29	.23	.030	--	1.2	--	--	<10	--
FEB 21...	0845	109	13	.27	.020	--	1.3	.210	--	--	--
MAR 12...	0855	--	20	.19	.020	.120	1.1	.290	--	--	--
MAY 06...	0900	156	--	.42	.050	.110	--	.320	--	--	--
JUN 11...	0930	--	62	.51	.010	.080	--	.330	--	--	--
JUL 08...	0905	285	25	.35	.010	.260	--	--	--	<10	--
AUG 05...	0805	274	12	.27	.060	.300	1.8	--	--	--	--
SEP 02...	0915	309	7	.20	.040	.500	3.3	.210	--	--	--
30...	0900	346	22	--	--	.190	.90	.140	22	10	4

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 16...	0920	30	720	20	150	40	--	--	--	--	--
NOV 13...	0915	--	--	--	--	--	.00	.00	.00	.00	.00
JAN 16...	0925	30	1400	70	130	30	--	--	--	--	--
JUL 08...	0905	50	560	20	1400	50	--	--	--	--	--
SEP 30...	0900	--	--	30	--	40	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 13...	0915	.00	.00	.00	.00	0	.00

07264050 BAYOU TWO PRAIRIE NEAR CABOT, AR

LOCATION.--Lat 34°51'32", long 91°58'48", in NW 1/4 NW 1/4 sec.28, T.3 N., R.9 W., Lonoke County, Hydrologic Unit 08020402, at bridge on State Highway 89, 8.4 mi (13.5 km) south of Cabot.

DRAINAGE AREA.--84.9 mi^2 (220 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24...	0900	9827	9827	--	7.1	9.0	11.0	30	4.6	41
NOV 20...	1700	9827	9827	192	7.0	23.0	15.0	80	4.1	40
DEC 18...	1615	9827	9827	--	6.5	6.0	2.0	90	--	--
JAN 22...	1500	9827	9827	87	6.6	6.0	7.0	100	8.8	72
FEB 20...	1600	9827	9827	92	7.0	10.0	7.0	60	10.3	84
MAR 18...	1710	9827	9827	50	6.4	15.0	11.0	160	6.8	61
APR 15...	1830	9827	9827	--	6.2	18.0	12.0	100	6.6	61
MAY 20...	1730	9827	9827	61	6.3	27.0	22.0	150	3.6	40
JUN 17...	1730	9827	9827	122	7.0	22.0	23.0	140	2.6	30
JUL 16...	0915	9827	9827	--	7.3	35.0	29.0	200	2.3	29

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 24...	0900	4.4	--	54	12	4.2	17	3.0	40	21	8.0
NOV 20...	1700	>4.1	140	--	--	--	--	--	--	22	14
DEC 18...	1615	7.9	<4	--	--	--	--	--	--	13	13
JAN 22...	1500	--	>700	--	5.0	2.0	6.7	3.0	15	12	11
FEB 20...	1600	1.9	44	--	--	--	--	--	--	12	--
MAR 18...	1710	4.7	>240	--	--	--	--	--	--	6.5	6.0
APR 15...	1830	4.4	--	16	3.3	1.1	2.5	2.0	10	4.5	9.0
MAY 20...	1730	--	24	--	--	--	--	--	--	7.0	7.0
JUN 17...	1730	6.8	--	--	--	--	--	--	--	--	6.0
JUL 16...	0915	13	3800	--	14	4.5	16	4.0	82	22	--

07264050 BAYOU TWO PRAIRIE NEAR CABOT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 24...	0900	110	44	.26	.020	.150	.780	<5	<10	<5
NOV 20...	1700	146	2	.51	.060	5.000	1.700	--	<10	--
DEC 18...	1615	94	4	.23	.040	.450	.300	--	<10	--
JAN 22...	1500	100	24	--	.040	.140	.150	--	<10	--
FEB 20...	1600	69	14	.37	.050	--	.230	--	<10	--
MAR 18...	1710	100	30	.16	.060	--	.150	--	<10	--
APR 15...	1830	73	8	.07	.030	.110	.150	15	<10	7
MAY 20...	1730	85	44	.08	.020	.250	.310	--	<10	--
JUN 17...	1730	--	144	--	.050	.250	.750	--	<10	--
JUL 16...	0915	137	--	--	.010	.350	1.000	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 24...	0900	100	2000	<10	1600	180	.00	.00	.00	.00	.00
NOV 20...	1700	20	1800	--	630	20	--	--	--	--	--
DEC 18...	1615	<20	320	--	140	<10	--	--	--	--	--
JAN 22...	1500	30	2100	30	200	30	--	--	--	--	--
FEB 20...	1600	30	1100	--	110	80	--	--	--	--	--
MAR 18...	1710	<20	2200	--	210	10	.00	.00	.00	.00	.00
APR 15...	1830	<20	1600	<10	75	<10	--	--	--	--	--
MAY 20...	1730	40	3000	--	410	80	--	--	--	--	--
JUN 17...	1730	20	3700	--	3000	50	.00	.00	.00	.00	.00
JUL 16...	0915	<20	--	<10	9300	10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT 24...	0900	.00	.00	.00	.00	<2	.00
MAR 18...	1710	.00	.00	.00	.00	0	.00
JUN 17...	1730	.00	.00	.00	.00	0	.00
JUL 16...	0915	.00	.00	.00	.00	0	.00

07265099 BAYOU METO NEAR BAYOU METO, AR

LOCATION.--Lat 34°12'07", long 91°31'50", in SE 1/4 NE 1/4 sec.3, T.6 S., R.5 W., at Arkansas-Jefferson County line, Hydrologic Unit 08020402, at bridge on State Highway 11, 1.6 mi (2.6 km) southwest of Bayou Meto.

DRAINAGE AREA.--794 mi^2 (2,056 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 16...	1330	9827	9827	--	7.1	21.0	19.0	70	4.8	51
NOV 13...	1135	9827	9827	--	7.0	6.0	9.0	70	7.2	62
DEC 11...	1300	9827	9827	161	6.9	13.0	7.0	180	9.3	76
JAN 15...	1100	9827	9827	110	7.2	10.0	12.0	250	8.2	76
FEB 20...	1320	9827	9827	108	7.2	11.0	6.0	120	10.6	85
MAR 11...	0825	9827	9827	126	7.2	4.0	11.0	150	8.7	78
APR 07...	1355	9827	9827	--	6.9	22.0	17.0	200	5.9	61
MAY 06...	1120	9827	9827	93	7.0	23.0	20.0	60	5.6	61
JUN 10...	1330	9827	9827	--	7.2	27.0	24.0	160	--	--
JUL 08...	1235	9827	9827	--	7.3	35.0	30.0	40	6.1	80
AUG 05...	1315	9827	9827	561	8.0	31.0	30.0	70	6.6	--
SEP 02...	1120	9827	9827	678	7.8	31.0	27.0	10	4.5	56
30...	1310	9827	9827	--	6.9	24.0	20.0	--	5.1	55

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 16...	1330	.6	4	110	15	5.1	9.0	5.0	45	15	9.0
NOV 13...	1135	1.0	28	--	--	--	--	--	--	16	10
DEC 11...	1300	2.3	200	--	--	--	--	--	--	18	--
JAN 15...	1100	1.7	80	--	9.0	4.0	--	7.0	32	10	13
FEB 20...	1320	2.5	<4	--	--	--	--	--	--	12	11
MAR 11...	0825	2.7	<10	--	--	--	--	--	--	16	10
APR 07...	1355	4.5	--	46	6.0	5.3	4.3	4.0	19	6.0	10
MAY 06...	1120	--	50	--	--	--	--	--	--	10	17
JUN 10...	1330	.4	4	--	--	--	--	--	--	12	13
JUL 08...	1235	--	12	--	21	8.3	21	4.0	--	--	8.0
AUG 05...	1315	5.7	4	--	--	--	--	--	--	39	22
SEP 02...	1120	1.3	12	--	--	--	--	--	--	49	20
30...	1310	3.0	400	48	--	--	--	--	--	16	18

07265099 BAYOU METO NEAR BAYOU METO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1330	135	--	.19	.020	.090	.160	<5	<10	20
NOV										
13...	1135	141	8	.07	.020	--	.110	--	--	--
DEC										
11...	1300	156	12	.08	.020	.130	.240	--	--	--
JAN										
15...	1100	204	47	<.01	.160	--	--	--	<10	--
FEB										
20...	1320	131	28	.31	.020	--	.200	--	--	--
MAR										
11...	0825	139	32	.08	.060	.120	.200	--	--	--
APR										
07...	1355	165	24	.01	.110	.170	--	9	<10	8
MAY										
06...	1120	125	--	.14	.060	.080	.330	--	--	--
JUN										
10...	1330	--	60	.27	.030	.120	.330	--	--	--
JUL										
08...	1235	169	20	.06	.010	.130	--	--	<10	--
AUG										
05...	1315	331	18	.21	.050	.070	--	--	--	--
SEP										
02...	1120	390	26	.19	.020	.070	.140	--	--	--
30...	1310	130	139	--	--	.150	.260	15	10	9

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1330	20	1800	<10	130	40	.00	.00	.00	.00	.00
JAN											
15...	1100	<20	4600	<10	49	20	--	--	--	--	--
FEB											
20...	1320	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
07...	1355	<20	5300	<10	110	<10	--	--	--	--	--
JUN											
10...	1330	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
08...	1235	<20	690	20	840	40	.00	.00	.00	.00	.00
AUG											
05...	1315	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
02...	1120	--	--	--	--	--	.00	.00	.00	.00	.00
30...	1310	--	--	20	--	30	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1330	.00	.00	.00	.00	0	.00
FEB							
20...	1320	.00	.00	.00	.00	0	.00
JUN							
10...	1330	.00	.00	.00	.00	0	.00
JUL							
08...	1235	.00	.00	.00	.00	0	.00
AUG							
05...	1315	.00	.00	.00	.00	0	.00
SEP							
02...	1120	.00	.00	.00	.00	0	.00
30...	1310	.00	.00	.00	.00	0	.00

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°59'20", long 91°18'47", in sec.20, T.8 S., R.3 W., Arkansas County, Hydrologic Unit 08020401
2.0 mi (3.2 km) downstream from Arkansas Post Canal, and 9.8 mi (15.8 km) southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2 (415,630 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to August 1980.
WATER TEMPERATURES: November 1979 to August 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,290 micromhos Nov. 24; minimum daily, 231 micromhos Feb. 3.
WATER TEMPERATURES: Maximum daily, 34.5°C Jul. 11, 12; minimum daily, 4.0°C Jan. 30, 31, Feb. 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
04...	1030	1028	1028	7600	577	7.9	22.0	8.8	8.9	104	K30	K20
25...	1015	1028	1028	.00	689	7.8	20.0	6.1	--	--	6	18
NOV												
21...	1000	1028	1028	20900	882	8.0	15.0	6.7	10.6	104	K7	29
DEC												
19...	1030	1028	1028	17100	713	7.9	6.0	40	12.9	103	K570	150
JAN												
17...	1000	1028	1028	20900	409	7.7	9.0	--	11.7	104	K100	K20
FEB												
07...	1000	1028	1028	19000	416	7.7	4.0	15	13.2	100	73	<4
MAY												
29...	0950	1028	1028	40700	558	8.0	23.5	39	9.1	104	K180	K10
JUN												
26...	1100	1028	1028	40000	972	7.8	25.5	22	7.5	90	K67	6400
AUG												
06...	1010	1028	1028	.00	815	8.2	30.0	13	7.8	--	K22	K180
20...	1000	1028	1028	9500	1001	8.1	31.0	6.0	6.6	88	670	K19000
SEP												
25...	0950	1028	1028	1900	1012	7.9	26.0	2.9	6.7	82	300	K52000

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
04...	110	34	32	7.1	65	55	2.7	4.1	75	39	98
25...	130	39	38	8.0	84	65	3.2	4.0	89	52	130
NOV											
21...	150	52	45	9.5	120	69	4.2	4.3	100	60	180
DEC											
19...	110	31	34	7.0	82	66	3.3	5.2	83	43	130
JAN											
17...	83	22	25	4.9	47	61	2.3	3.4	61	27	66
FEB											
07...	90	24	27	5.5	38	47	1.7	3.0	66	28	57
MAY											
29...	92	37	26	6.6	70	61	3.2	3.2	55	38	110
JUN											
26...	170	68	47	12	130	62	4.4	4.8	99	68	200
AUG											
06...	140	41	40	10	110	62	4.0	5.5	100	62	160
20...	160	64	45	12	130	63	4.4	6.3	98	75	210
SEP											
25...	170	63	48	13	130	61	4.3	5.4	110	80	200

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
04...	.2	65	308	356	.42	6320	.15	.070	1.4	1.5	.50
25...	.2	4.3	363	375	.49	.00	.07	.090	1.0	1.1	.00
NOV											
21...	.2	.5	497	481	.68	28000	.22	.100	.87	.97	.00
DEC											
19...	.3	4.2	367	358	.50	16900	.48	.100	1.0	1.1	.12
JAN											
17...	.2	4.9	233	217	.32	13100	.38	.130	1.5	1.6	.30
FEB											
07...	.1	4.7	209	205	.28	10700	.42	.000	.33	.33	.07
MAY											
29...	.2	5.9	304	295	.41	33400	.52	.040	.87	.91	.25
JUN											
26...	.3	4.5	520	534	.71	56200	2.7	.060	1.4	1.5	.00
AUG											
06...	.3	.4	455	448	.62	.00	.51	.030	.93	.96	.00
20...	.3	.6	536	538	.73	13700	.00	.000	1.1	1.1	.50
SEP											
25...	.3	1.0	540	544	.73	2770	.00	.010	1.2	1.2	.55

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
04...	1.0	1.7	7.3	.090	.080	6.9	--	--	6	123	44
25...	1.2	1.2	5.2	.210	.160	--	4.6	.2	11	.00	88
NOV											
21...	1.4	1.2	5.3	.070	.040	13	--	--	18	1020	51
DEC											
19...	.98	1.6	7.0	.160	.070	--	6.1	1.0	50	2310	77
JAN											
17...	1.3	2.0	8.8	.050	.050	7.9	--	--	78	4400	23
FEB											
07...	.26	.75	3.3	.090	.030	6.1	--	--	15	769	64
MAY											
29...	.66	1.4	6.3	.150	.060	4.6	--	--	48	5280	88
JUN											
26...	1.6	4.2	19	1.300	.070	9.6	--	--	24	2590	98
AUG											
06...	.99	1.5	6.5	.110	.070	--	9.1	--	24	.00	61
20...	.60	1.1	4.9	.090	.050	9.8	--	--	43	1100	18
SEP											
25...	.65	1.2	5.3	.090	.050	10	--	--	10	51	57

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
25...	1015	3	3	200	100	100	3	2	<1	0
NOV										
21...	1000	--	--	--	--	--	--	--	--	--
DEC										
19...	1030	2	2	300	200	80	1	0	<1	8
JAN										
17...	1000	--	--	--	--	--	--	--	--	--
MAY										
29...	0950	--	--	--	--	--	--	--	--	--
AUG										
06...	1010	3	2	100	10	90	0	--	<1	10
SEP										
25...	0950	--	--	--	--	--	--	--	--	--

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 25...	0	0	1	0	<3	7	6	1	710	570
DEC 19...	8	0	0	0	<3	29	27	2	1300	1200
AUG 06...	10	0	2	--	<3	6	3	3	430	410

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 25...	140	3	3	0	140	40	100	.1	.1	.0
DEC 19...	80	7	7	0	90	80	10	.0	.0	.0
AUG 06...	20	7	6	1	90	90	1	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 25...	0	0	0	0	0	0	9	0	9
NOV 21...	--	--	--	0	--	--	--	--	--
DEC 19...	0	0	0	0	0	1	30	30	4
JAN 17...	--	--	--	0	--	--	--	--	--
MAY 29...	--	--	--	0	--	--	--	--	--
AUG 06...	0	0	0	2	2	0	10	4	6
SEP 25...	--	--	--	0	--	--	--	--	--

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), NOVEMBER 1979 TO AUGUST 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		749	907	477	531	766			1000	834	835	
2		770	1030	393	305	770			943	820	994	
3		789	1290	394	231	770			938	794	948	
4		812	1290	395	421	734			914	803	946	
5		822	1390	393	423	735			883	874	994	
6		801	1360	393	323	730			956	834	991	
7		803	1300	392	524	736			872	842	835	
8		863	1140	392	305	694			752	844	1050	
9		804	1210	393	466	692			753	884	994	
10		865	1020	698	445	694			885	790	1050	
11		808	944	351	459	732			892	825	835	
12		810	884	341	419	696			819	788	986	
13		875	774	339	771	736			885	864	829	
14		875	746	434	774	724			885	840	1050	
15		884	849	---	774	733			885	882	940	
16		891	715	---	777	733			888	800	1050	
17		793	715	---	735	694			---	817	1040	
18		887	716	---	---	692			1000	800	1060	
19		884	716	338	735	692			883	798	1040	
20		917	651	337	735	732			883	800	1040	
21		907	648	503	733	696			881	835	1050	
22		903	698	338	732	730			881	801	1070	
23		915	371	337	735	732			872	754	1040	
24		1010	724	338	643	730			881	846	986	
25		997	699	338	643	732			881	848	1040	
26		1290	667	336	606	732			881	858	---	
27		860	543	339	643	787			904	846	---	
28		805	607	337	735	784			881	839	---	
29		---	541	392	---	787			883	852	---	
30		842	511	392	---	788			890	846	---	
31		---	508	392	---	791			---	849	---	
MEAN		870	844	389	579	735			888	829	988	

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		20.0	10.0	8.0	4.5	10.0			28.0	33.0	34.0	
2		20.0	10.0	8.0	4.5	10.0			28.0	33.0	32.0	
3		20.0	10.0	8.5	4.5	10.0			28.5	33.5	32.0	
4		20.0	10.0	8.5	4.5	9.5			28.5	33.0	32.0	
5		20.0	10.0	8.5	4.0	9.5			28.5	33.0	32.0	
6		19.0	10.0	8.5	4.5	10.0			29.0	33.0	32.0	
7		16.0	10.0	8.5	4.5	9.5			29.0	33.5	32.0	
8		18.0	10.0	9.0	4.5	10.0			29.0	33.0	32.0	
9		18.0	10.0	9.5	4.5	10.0			29.0	34.0	32.0	
10		17.0	10.0	9.5	5.0	10.0			29.0	34.0	32.5	
11		17.0	10.0	9.5	5.0	9.5			29.0	34.5	32.0	
12		15.0	10.0	9.0	5.0	10.0			29.0	34.5	32.0	
13		15.0	10.0	9.0	5.5	10.0			29.0	34.0	32.0	
14		15.0	10.0	9.0	5.0	10.0			29.0	34.0	32.0	
15		15.0	10.0	---	5.0	10.0			29.0	34.0	32.0	
16		15.0	9.0	---	5.0	10.0			29.0	34.0	32.0	
17		16.0	8.5	---	5.5	10.0			---	34.0	32.0	
18		15.0	8.0	---	---	10.0			29.0	34.0	31.5	
19		15.0	9.0	9.0	5.5	10.0			29.5	33.0	32.0	
20		16.0	9.5	9.0	5.5	10.0			29.5	33.0	31.0	
21		16.0	8.5	8.5	5.5	10.0			29.0	33.0	31.0	
22		16.0	9.5	8.5	6.0	10.0			29.5	33.0	31.0	
23		16.5	9.5	8.5	6.0	10.5			29.5	33.0	31.0	
24		17.0	9.5	8.0	5.5	10.5			30.0	33.0	31.0	
25		16.5	9.5	8.0	6.0	11.5			30.0	34.0	31.0	
26		16.5	9.5	7.5	6.0	11.5			30.0	34.0	---	
27		16.5	9.0	7.0	6.0	11.5			30.0	34.0	---	
28		15.5	9.0	6.0	6.0	11.5			30.0	34.0	---	
29		---	9.0	4.5	---	11.5			30.0	34.0	---	
30		12.0	8.5	4.0	---	12.0			30.0	34.0	---	
31		---	8.5	4.0	---	12.0			---	34.0	---	
MEAN		16.5	9.5	8.0	5.0	10.5			29.0	33.5	32.0	

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 21,79	FEB 7,80	MAY 29,80	JUN 26,80
TIME	1000	1000	0950	1100
TOTAL CELLS/ML	19000	12000	2400	6800
DIVERSITY: DIVISION	1.0	1.1	1.5	1.5
.CLASS	1.0	1.1	1.5	1.5
..ORDER	1.1	1.2	1.7	2.5
...FAMILY	1.2	2.0	2.2	2.9
....GENUS	2.2	3.1	3.3	3.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	490	7
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	100	4	--	-
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	--	-	--	-
....MICRACTINIUM	--	-	1200	10	--	-	51	1
...OOCYSTACEAE								
....ANKISTRODESMUS	120	1	810	7	26	1	--	-
....CHLORELLA	370	2	1200	10	39	2	--	-
....CHODATELLA	*	0	--	-	13	1	--	-
....DICTYOSPHAERIUM	--	-	180	1	--	-	--	-
....KIRCHNERIELLA	99	1	490	4	90	4	--	-
....OOCYSTIS	--	-	180	1	52	2	77	1
....SELENASTRUM	--	-	--	-	39	2	--	-
....TETRAEDRON	*	0	--	-	--	-	--	-
....TREUBARIA	--	-	--	-	13	1	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	--	-	--	-
....SCENEDESMUS	440	2	540	4	390#	16	490	7
....TETRASTRUM	200	1	1800	15	410#	17	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	200	1	--	-	--	-	--	-
...PALMELLACEAE								
....SPHAEROCYSTIS	--	-	--	-	--	-	280	4
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	180	1	26	1	--	-
....PLATYMONAS	*	0	--	-	--	-	--	-
...PHACOTACEAE								
....PTEROMONAS	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	--	-	--	-	--	-
....CYCLOTELLA	1500	8	2000#	17	270	11	1500#	22
....MELOSIRA	370	2	3300#	27	250	10	180	3
....SKELETONEMA	1400	7	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	190	8	--	-
....THALASSIOSIRA	--	-	*	0	--	-	--	-
..PENNALES								
...ACHNANTHACEAE								
....COCCONEIS	--	-	--	-	--	-	800	12
...FRAGILARIACEAE								
....SYNEDRA	--	-	*	0	--	-	*	0
...NITZSCHIACEAE								
....NITZSCHIA	*	0	90	1	26	1	510	8
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	5700#	30	--	-	--	-	--	-
....ANACYSTIS	8900#	46	--	-	460#	19	1100#	17
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	1200#	18
....ANABAENOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	--	-	--	-	--	-
....SPIRULINA	--	-	--	-	--	-	--	-
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	*	0	--	-	*	0
....TRACHELOMONAS	--	-	*	0	13	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	AUG 6,80 1010		AUG 20,80 0000		SEP 25,80 0950	
TOTAL CELLS/ML	26000		85000		150000	
DIVERSITY: DIVISION	1.1		0.2		0.4	
.CLASS	1.1		0.2		0.4	
..ORDER	1.6		0.5		0.8	
...FAMILY	1.6		1.1		1.5	
....GENUS	2.3		1.5		2.0	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	*	0	--	-	--	-
...COELASTRACEAE						
....COELASTRUM	800	3	--	-	1200	1
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....GOLENKINIA	*	0	*	0	--	-
....MICRACTINIUM	--	-	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	*	0	*	0	960	1
....CHLORELLA	--	-	--	-	--	-
....CHODATELLA	--	-	*	0	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	*	0	*	0	--	-
....SELENASTRUM	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	*	0
....TREUBARIA	--	-	--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	270	1	--	-	--	-
....SCENEDESMUS	270	1	*	0	960	1
....TETRASTRUM	--	-	--	-	--	-
..TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX	--	-	--	-	--	-
...PALMELLACEAE						
....SPHAEROCYSTIS	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	230	1	*	0	*	0
....PLATYMONAS	--	-	--	-	--	-
...PHACOTACEAE						
....PTEROMONAS	*	0	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	600	2	*	0	*	0
....CYCLOTELLA	770	3	450	1	4300	3
....MELOSIRA	3400	13	--	-	1200	1
....SKELETONEMA	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-
....THALASSIOSIRA	--	-	--	-	--	-
..PENNALES						
...ACHNANTHACEAE						
....COCCONEIS	--	-	--	-	--	-
...FRAGILARIACEAE						
....SYNEDRA	--	-	--	-	--	-
...NITZSCHIACEAE						
....NITZSCHIA	440	2	750	1	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	9600	7
....ANACYSTIS	2100	8	3200	4	2600	2
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	2400	3	5300	4
....ANABAENOPSIS	--	-	1300	2	9100	6
...OSCILLATORIACEAE						
....LYNGBYA	1200	5	7200	8	8400	6
....OSCILLATORIA	15000#	56	63000#	74	96000#	65
....SPIRULINA	1100	4	--	-	--	-
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	-	6000	7	5800	4
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR
(National stream-quality accounting network station)

LOCATION.--33°33'27", long 91°14'15", in sec.18, T.13 S., R.1 W., Chicot County, Hydrologic Unit 08050002, 3.0 mi (4.8 km) southwest of Arkansas City, and at mile 554.1 (891.5 km).

DRAINAGE AREA.--1,130,600 mi^2 (2,928,300 km^2), approximately.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to current year.
WATER TEMPERATURES: November 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 692 micromhos June 13, 1977; minimum daily, 39 micromhos Jan. 11, 1979.
WATER TEMPERATURES: Maximum daily, 31.0°C on several days during summer months; minimum daily, 0.0°C Jan. 19, 20, 21, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 507 micromhos Jun. 23; minimum daily, 301 micromhos Apr. 1.
WATER TEMPERATURES: Maximum daily, 31.0°C on several days during summer months; minimum daily, 1.0°C Feb. 1, 2.

WATER QUALITY DATA, WATER YEAR 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT											
03...	1430	1028	1028	322	7.9	21.5	73	7.5	87	430	K50
24...	1530	1028	1028	400	8.1	23.0	38	--	--	K190	K40
NOV											
20...	1545	1028	1028	380	7.8	13.0	35	10.1	95	558	220
DEC											
18...	1330	1028	1028	400	8.0	6.5	66	11.8	96	630	730
JAN											
16...	1330	1028	1028	377	8.0	7.5	--	10.8	93	220	300
FEB											
06...	1500	1028	1028	371	7.7	5.0	30	12.2	95	300	K30
MAY											
28...	1340	1028	80010	320	8.2	23.0	44	7.8	90	K200	<10
JUN											
25...	1430	1028	1028	480	7.6	26.0	140	7.0	85	530	200
AUG											
05...	1430	1028	1028	444	8.0	30.0	29	7.3	--	<11	<10
19...	1400	1028	1028	487	7.8	31.0	20	7.5	100	--	--
SEP											
24...	1400	1028	1028	430	8.0	26.0	44	7.7	94	680	<10

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
03...	130	39	36	9.3	12	17	.5	3.1	89	51	12
24...	150	50	39	12	20	30	.7	3.4	97	68	23
NOV											
20...	140	43	39	11	17	27	.6	3.1	100	57	21
DEC											
18...	140	33	39	11	20	23	.7	2.8	110	52	2.0
JAN											
16...	150	35	40	11	16	25	.6	2.7	110	51	16
FEB											
06...	160	47	43	12	14	16	.5	2.4	110	49	17
MAY											
28...	120	43	32	10	20	26	.8	2.6	78	49	25
JUN											
25...	170	45	43	14	24	24	.8	3.7	120	56	33
AUG											
05...	170	50	45	14	22	22	.7	3.5	120	73	19
19...	170	64	45	15	27	25	.9	4.4	110	90	24
SEP											
24...	170	57	42	15	20	20	.7	3.5	110	64	19

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
03...	.2	6.2	193	188	.26	338000	1.1	.030	1.1	1.1	.20
24...	.2	6.1	231	234	.31	269000	1.1	.030	1.2	1.2	.28
NOV											
20...	.2	5.6	224	220	.30	330000	1.3	.030	1.1	1.1	.34
DEC											
18...	.2	7.0	228	207	.31	341000	1.5	.060	.89	.95	.08
JAN											
16...	.2	7.4	229	217	.31	304000	1.4	.100	1.5	1.6	.10
FEB											
06...	.1	7.2	214	217	.29	260000	1.3	.040	.41	.45	.20
MAY											
28...	.2	4.1	203	193	.28	332000	.80	.020	.98	1.0	.23
JUN											
25...	.3	7.1	272	267	.37	376000	2.9	.070	1.7	1.8	.70
AUG											
05...	.3	1.4	258	254	.35	178000	.84	.060	1.9	2.0	1.4
19...	.3	1.0	286	276	.39	233000	.73	.000	1.1	1.1	.57
SEP											
24...	.3	7.4	293	243	.40	221000	1.3	.020	.81	.83	.35

DATE	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
03...	.90	2.2	9.7	.300	.270	7.1	--	--	180	315000	97
24...	.92	2.3	10	.150	.070	--	3.9	.5	76	88400	92
NOV											
20...	.76	2.4	11	.190	.080	14	--	--	132	194000	78
DEC											
18...	.87	2.5	11	.200	.060	--	3.9	1.1	176	263000	65
JAN											
16...	1.5	3.0	13	.040	.070	7.3	--	--	181	240000	60
FEB											
06...	.25	1.8	7.7	.150	.070	4.8	--	--	93	113000	72
MAY											
28...	.77	1.8	8.0	.170	.060	4.3	--	--	110	180000	76
JUN											
25...	1.1	4.7	21	.330	.100	11	--	--	295	408000	91
AUG											
05...	.63	2.8	13	.180	.040	5.6	--	--	93	64000	88
19...	.53	1.8	8.1	.160	.070	13	--	--	124	101000	53
SEP											
24...	.48	2.1	9.4	.230	.140	7.1	--	--	84	63300	93

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
24...	1530	2	1	200	200	50	10	2	8	0
NOV										
20...	1545	--	--	--	--	--	--	--	--	--
DEC										
18...	1330	2	1	300	200	100	1	0	<1	12
JAN										
16...	1330	--	--	--	--	--	--	--	--	--
MAY										
28...	1340	--	--	--	--	--	--	--	--	--
AUG										
05...	1430	2	2	100	40	60	2	--	<1	10
SEP										
24...	1400	--	--	--	--	--	--	--	--	--

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT										
24...	0	0	3	0	<3	55	37	18	2000	2000
DEC										
18...	12	0	1	0	<3	150	150	5	2800	2700
AUG										
05...	10	0	4	--	<3	10	--	--	2100	--

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT										
24...	20	11	8	3	200	200	4	.1	.1	.0
DEC										
18...	60	16	16	0	180	180	4	.0	.0	.0
AUG										
05...	<10	17	17	0	180	--	<1	.0	.0	.0

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
24...	0	0	0	0	0	0	40	20	20
NOV									
20...	--	--	--	0	--	--	--	--	--
DEC									
18...	0	0	1	0	0	0	60	0	60
JAN									
16...	--	--	--	0	--	--	--	--	--
MAY									
28...	--	--	--	0	--	--	--	--	--
AUG									
05...	1	0	1	0	0	0	30	--	<3
SEP									
24...	--	--	--	0	--	--	--	--	--

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	430	392	351	375	398	301	361	379	440	444	414
2	322	433	382	341	380	432	302	383	395	444	445	407
3	338	434	381	339	379	436	304	380	411	441	462	404
4	343	445	381	341	375	434	313	404	429	436	446	425
5	349	446	376	338	372	455	317	419	440	437	438	462
6	337	447	367	348	372	452	322	430	452	430	460	446
7	339	446	352	352	379	460	329	450	454	431	461	458
8	332	451	364	360	379	458	334	457	461	441	437	440
9	326	448	390	363	381	432	340	450	458	447	430	450
10	329	421	388	372	376	415	342	452	462	439	435	479
11	334	416	382	381	378	410	335	458	481	435	424	470
12	341	395	395	386	392	404	322	447	462	430	423	454
13	351	393	389	391	392	418	328	452	462	439	454	454
14	349	415	387	390	400	417	320	454	430	445	441	459
15	347	408	410	387	400	398	331	437	405	437	454	443
16	354	401	397	360	402	386	338	440	397	441	447	419
17	367	384	393	360	406	347	338	458	404	440	473	407
18	369	394	393	357	404	379	333	475	395	432	477	422
19	375	367	397	353	403	362	332	473	416	423	484	413
20	395	371	382	357	406	339	330	483	442	443	495	402
21	388	388	367	360	398	349	333	485	466	437	484	414
22	399	371	368	337	395	334	337	464	494	423	456	425
23	397	414	371	356	394	324	338	458	507	424	460	445
24	421	429	370	350	390	318	343	430	504	438	439	440
25	411	430	385	350	394	331	343	393	493	411	438	460
26	403	434	396	354	397	344	343	368	493	391	452	468
27	405	442	397	365	402	336	341	363	491	411	464	471
28	399	424	375	370	400	336	342	360	493	427	465	440
29	399	417	370	372	413	314	348	364	476	435	416	439
30	417	405	370	375	---	308	356	373	472	454	431	450
31	404	---	0	385	---	305	---	370	---	458	414	---
MEAN	366	417	370	361	391	382	331	426	451	434	450	439

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	17.0	7.0	6.0	1.0	5.0	11.0	17.0	24.0	28.0	30.0	28.0
2	22.0	16.0	6.0	6.0	1.0	3.0	12.0	17.0	24.0	29.0	30.0	28.0
3	21.0	16.0	6.0	6.0	3.0	4.0	12.5	17.5	25.0	29.0	30.0	28.0
4	21.0	15.0	7.0	7.0	5.0	5.0	12.0	18.0	25.0	29.0	30.0	27.5
5	20.0	16.0	8.0	6.0	5.0	5.0	13.0	18.0	25.0	29.0	29.0	28.0
6	20.0	16.0	8.0	6.0	5.0	5.0	13.0	20.0	26.0	30.0	29.0	29.0
7	20.0	15.0	8.0	6.0	3.0	6.0	13.0	19.5	25.5	30.0	30.0	29.0
8	20.0	15.0	8.0	5.5	4.0	8.0	14.0	19.0	26.0	30.0	30.0	28.0
9	21.0	15.0	7.0	6.0	4.0	6.0	13.5	18.0	24.0	30.0	30.0	28.0
10	18.0	14.0	7.0	6.0	2.0	7.0	14.0	19.0	24.0	30.5	30.0	28.0
11	16.0	12.0	8.0	5.0	2.0	7.0	14.0	20.0	25.0	30.0	30.0	28.0
12	18.0	11.0	10.0	5.5	4.0	7.0	14.0	20.0	25.0	30.0	30.0	27.0
13	18.0	12.0	10.0	5.5	4.0	8.0	14.0	20.0	25.0	30.0	30.0	28.0
14	16.0	11.0	8.0	5.5	3.5	7.0	13.0	20.0	25.0	30.5	30.0	28.0
15	17.0	11.0	6.0	6.0	5.0	9.0	13.0	20.0	26.0	31.0	30.0	27.0
16	18.0	11.0	8.0	8.0	4.5	9.0	13.0	20.0	25.5	31.0	30.0	27.0
17	18.0	11.0	5.0	7.5	3.0	10.0	13.0	20.0	25.5	31.0	31.0	26.0
18	20.0	12.0	5.0	10.0	4.5	9.0	13.0	21.0	25.5	31.0	30.0	25.0
19	18.0	12.5	5.0	8.0	5.0	8.0	13.0	22.0	26.0	31.0	30.0	25.0
20	20.0	12.0	5.0	8.0	5.0	10.0	14.0	22.0	25.5	31.0	30.0	26.0
21	20.0	12.0	8.0	8.0	6.0	10.0	15.0	22.0	25.0	30.0	30.0	26.0
22	20.0	12.0	7.0	7.5	5.0	9.0	15.0	22.0	25.5	30.0	29.0	26.0
23	16.0	11.0	8.0	5.0	7.0	10.0	15.0	22.0	26.0	29.0	28.0	26.0
24	16.0	12.0	8.0	5.5	7.0	10.0	16.0	22.0	25.0	29.0	29.0	25.0
25	15.0	12.0	9.0	5.0	6.5	10.0	16.0	23.0	26.0	28.0	29.0	25.0
26	16.0	11.0	9.0	5.0	5.0	10.0	15.0	22.0	27.0	29.0	30.0	24.0
27	16.0	11.0	9.0	6.0	6.0	10.0	15.0	22.5	27.0	30.0	28.5	23.0
28	18.0	11.0	8.0	6.0	7.0	10.0	15.5	23.0	28.0	30.0	28.0	27.0
29	18.0	10.0	8.0	5.0	7.0	11.0	16.0	23.0	28.0	29.0	28.5	26.0
30	18.0	10.0	7.0	5.0	---	10.5	17.0	24.0	28.0	30.0	28.0	25.5
31	17.0	---	7.0	4.0	---	10.0	---	24.0	---	30.0	28.0	---
MEAN	18.5	13.0	7.5	6.0	4.5	8.0	14.0	20.5	25.5	30.0	29.5	26.5

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 20,79	FEB 6,80	MAY 28,80	JUN 25,80
TIME	1545	1500	1340	1430
TOTAL CELLS/ML	3800	5800	8200	11000
DIVERSITY: DIVISION	1.2	0.7	1.5	1.4
.CLASS	1.2	0.7	1.5	1.4
..ORDER	1.4	1.3	1.7	1.6
...FAMILY	1.7	1.5	2.0	2.1
....GENUS	2.5	1.6	3.2	3.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	70	2	--	-	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	--	-	150	2	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	45	1	280	5	73	1	--	-
...CHLORELLA	*	0	--	-	*	0	--	-
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	*	0	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	*	0	410	4
....SELENASTRUM	--	-	--	-	*	0	--	-
....TREUBARIA	--	-	--	-	*	0	--	-
....WESTELLA	--	-	--	-	290	4	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	40	1	--	-	290	4	--	-
....CRUCIGENIA	--	-	--	-	--	-	--	-
....SCENEDESMUS	110	3	190	3	1300#	16	830	7
....TETRASTRUM	40	1	--	-	730	9	550	5
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	--	-
...PALMELLACEAE								
....SPHAEROCYSTIS	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	140	2	110	1	140	1
...PHACOTACEAE								
....PTEROMONAS	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	--	-	--	-	--	-
....CYCLOTELLA	250	7	4200#	72	1300#	16	1400	12
....MELOSIRA	200	5	93	2	2000#	25	280	2
....SKELETONEMA	290	8	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	400	5	280	2
..PENNALES								
...DIATOMACEAE								
....DIATOMA	--	-	--	-	--	-	140	1
...FRAGILARIACEAE								
....ASTERIONELLA	190	5	610	10	--	-	--	-
....FRAGILARIA	--	-	--	-	--	-	--	-
....SYNEDRA	--	-	47	1	*	0	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	47	1	--	-	--	-
...NAVICULACEAE								
....GYROSIGMA	--	-	--	-	--	-	--	-
....NAVICULA	--	-	--	-	--	-	280	2
...NITZSCHIACEAE								
....NITZSCHIA	*	0	47	1	--	-	140	1
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	NOV 20,79 1545		FEB 6,80 1500		MAY 28,80 1340		JUN 25,80 1430	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	--	-	--	-	110	1	--	-
....COCCOCHLORIS	--	-	--	-	150	2	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	--	-
....ANABAENOPSIS	60	2	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	3400#	31
....OSCILLATORIA	2000#	53	--	-	1100	13	2500#	22
....SCHIZOTHRIX	440	12	190	3	--	-	--	-
...RIVULARIACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	830	7
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	AUG 5,80		AUG 19,80		SEP 24,80	
TIME	1430		1400		1400	
TOTAL CELLS/ML	22000		28000		26000	
DIVERSITY: DIVISION	1.4		1.4		1.4	
.CLASS	1.4		1.4		1.4	
..ORDER	1.7		2 0		2.3	
...FAMILY	2.0		2.3		2.5	
....GENUS	2.6		2.8		2.8	

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHARACIACEAE						
....SCHROEDERIA	*	0	--	-	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	150	1	--	-	*	0
....CHLORELLA	--	-	--	-	--	-
....DICTYOSPHAERIUM	350	2	--	-	--	-
....KIRCHNERIELLA	*	0	--	-	*	0
....OOCYSTIS	200	1	--	-	130	1
....SELENASTRUM	*	0	*	0	--	-
....TREUBARIA	--	-	--	-	--	-
....WESTELLA	200	1	--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	400	2	--	-	--	-
....CRUCIGENIA	--	-	--	-	200	1
....SCENEDESMUS	200	1	1600	6	1800	7
....TETRASTRUM	400	2	1200	4	400	2
..TETRASPORALES						
...COCCOMYXACEAE						
....ELAKATOTHRIX	--	-	--	-	*	0
...PALMELLACEAE						
....SPHAEROCYSTIS	--	-	--	-	540	2
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	*	0	--	-	200	1
...PHACOTACEAE						
....PTEROMONAS	*	0	--	-	--	-
CHRYSOPHYTA						
.BACILLARIOPHYCEAE						
..CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	1400	6	400	1	--	-
....CYCLOTELLA	900	4	2500	9	2200	9
....MELOSIRA	5900#	27	7500#	27	2500	10
....SKELETONEMA	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-
..PENNALES						
...DIATOMACEAE						
....DIATOMA	--	-	--	-	--	-
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	--	-	--	-
....FRAGILARIA	--	-	--	-	*	0
....SYNEDRA	*	0	--	-	--	-
...GOMPHONEMATACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....GYROSIGMA	--	-	*	0	--	-
....NAVICULA	--	-	--	-	*	0
...NITZSCHIACEAE						
....NITZSCHIA	1600	7	2600	9	940	4
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	130	1
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	*	0	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	AUG 5,80 1430		AUG 19,80 1400		SEP 24,80 1400	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	1600	6	--	-
....ANACYSTIS	--	-	500	2	9100#	35
....COCCOCHLORIS	--	-	--	-	--	-
..HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	1400	5	540	2
....ANABAENOPSIS	--	-	--	-	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	--	-
....OSCILLATORIA	9000#	42	8600#	30	6900#	26
....SCHIZOTHRIX	--	-	--	-	--	-
...RIVULARIACEAE						
....RAPHIDIOPSIS	650	3	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	*	0	--	-	--	-
....TRACHELOMONAS	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07336860 RED RIVER NEAR FOREMAN, AR

LOCATION.--Lat 33°34'12", long 94°24'39", in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi (17.2 km) south of Foreman.

DRAINAGE AREA.--47,648 mi^2 (123,408 km^2), of which 5,936 mi^2 (15,374 km^2) is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	1445	9827	9827	1770	8.0	26.0	22.0	30	8.3	94
NOV 06...	1430	9827	9827	1240	8.0	22.0	14.0	30	9.7	93
DEC 04...	1500	9827	9827	1050	7.9	16.0	9.0	40	10.3	89
JAN 08...	1530	9827	9827	572	7.6	6.0	6.0	80	10.4	83
FEB 05...	1500	9827	9827	1560	7.7	4.0	4.0	40	12.2	93
MAR 04...	1445	9827	9827	1590	7.9	12.0	8.0	20	10.9	92
APR 01...	1445	9827	9827	902	7.9	24.0	15.0	40	9.6	94
MAY 13...	1515	9827	9827	472	--	28.0	24.0	100	7.9	93
JUN 03...	1500	9827	9827	530	7.7	31.0	25.0	100	--	--
JUL 08...	1515	9827	9827	--	8.2	39.0	33.0	80	9.9	136
AUG 26...	1500	9827	9827	--	8.2	39.0	31.0	60	9.3	124
SEP 23...	1515	9827	9827	1870	8.1	34.0	28.0	40	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1445	--	24	310	79	26	230	7.0	110	410	540
NOV 06...	1430	4.5	84	--	--	--	--	--	--	200	280
DEC 04...	1500	5.6	32	--	--	--	--	--	--	140	100
JAN 08...	1530	2.8	190	--	40	10	63	4.0	--	67	59
FEB 05...	1500	4.7	20	--	--	--	--	--	--	310	200
MAR 04...	1445	2.5	16	--	--	--	--	--	--	310	190
APR 01...	1445	4.0	28	210	58	15	100	5.0	130	140	120
MAY 13...	1515	4.0	<4	--	--	--	--	--	--	60	47
JUN 03...	1500	--	40	--	--	--	--	--	--	85	66
JUL 08...	1515	5.5	88	--	83	30	24	9.0	130	--	260
AUG 26...	1500	7.3	80	--	--	--	--	--	--	35	220
SEP 23...	1515	--	16	--	--	--	--	--	--	390	190

07336860 RED RIVER NEAR FOREMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	1445	1100	32	<.01	.010	.040	.090	<5	<10	10
NOV										
06...	1430	721	23	.00	.010	.100	--	--	<10	--
DEC										
04...	1500	609	14	.03	.010	.110	.070	--	<10	--
JAN										
08...	1530	355	40	.17	.020	.240	.180	--	<10	--
FEB										
05...	1500	921	28	.12	.010	.230	.120	--	<10	--
MAR										
04...	1445	948	14	.01	.010	.120	.090	--	<10	--
APR										
01...	1445	500	48	<.01	.020	.040	.090	14	<10	10
MAY										
13...	1515	309	104	--	.020	.110	.180	--	<10	--
JUN										
03...	1500	320	417	.25	.090	.170	.340	--	<10	--
JUL										
08...	1515	--	19	.04	.010	.050	.170	--	<10	--
AUG										
26...	1500	1190	39	.01	.010	.070	.150	--	<10	--
SEP										
23...	1515	1100	34	--	.030	.060	.150	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1445	<20	540	50	270	50	.00	.00	.00	.00	.00
NOV											
06...	1430	<20	1100	--	250	<10	--	--	--	--	--
DEC											
04...	1500	<20	390	--	25	10	--	--	--	--	--
JAN											
08...	1530	<20	--	--	390	10	--	--	--	--	--
FEB											
05...	1500	<20	--	--	260	10	.00	.00	.00	.00	.00
MAR											
04...	1445	<20	1300	--	340	20	--	--	--	--	--
APR											
01...	1445	<20	1200	20	130	<10	--	--	--	--	--
MAY											
13...	1515	30	4500	--	420	60	--	--	--	--	--
JUN											
03...	1500	<20	9800	--	230	40	.00	.00	.00	.00	.00
JUL											
08...	1515	<20	360	120	--	10	.00	.00	.00	.00	.00
AUG											
26...	1500	<20	680	--	--	--	--	--	--	--	--
SEP											
23...	1515	<20	3000	--	1400	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
09...	1445	.00	.00	.00	.00	0	.00
FEB							
05...	1500	.00	.00	.00	.00	0	.00
JUN							
03...	1500	.00	.00	.00	.00	0	.00
JUL							
08...	1515	.00	.00	.00	.00	0	.00
SEP							
23...	1515	.00	.00	.00	.00	0	.00

07337000 RED RIVER AT INDEX, AR

LOCATION.--Lat 33°33'07", long 94°02'28", in NW 1/4 SW 1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of bridge on U.S. Highway 71 at Index, 2.2 mi (3.5 km) south of Ogden, 20.6 mi (33.1 km) upstream from Little River, and at mile 485.3 (780.8 km).

DRAINAGE AREA.--48,030 mi^2 (124,400 km^2), of which 5,936 mi^2 (15,370 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft (75.246 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft (152 m) downstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi (388 km) upstream, capacity, 5,392,900 acre-ft (6,650 hm^3), since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft (435 hm^3), and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft (1,190 hm^3).

AVERAGE DISCHARGE.--44 years, 11,590 ft^3/s (328 m^3/s), 8,397,000 acre-ft/yr (10,400 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft^3/s (8,410 m^3/s) Feb. 23, 1938, gage height, 34.25 ft (10.439 m); minimum, 378 ft^3/s (10.7 m^3/s) Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,000 ft^3/s (1,080 m^3/s) June 7, gage height, 13.93 ft (4.246 m); minimum daily discharge, 1,330 ft^3/s (37.7 m^3/s) Dec. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3800	2590	1330	5010	4440	4600	3710	3580	7920	5800	3000	2240
2	4160	2510	1360	4950	4040	5370	4070	5350	17200	5300	2400	2590
3	4340	2270	1720	4950	4370	4920	3640	5370	23500	4240	3500	3070
4	4240	2240	1640	4500	5200	3920	3100	5110	22000	3280	4000	3430
5	3280	2750	1450	3630	4270	3680	2880	5520	17500	3090	4300	2770
6	3400	2460	1540	2590	5350	4240	2850	6160	21700	4040	4200	1940
7	3880	2020	1850	2130	4590	4450	3220	8330	36300	4290	3900	1610
8	3520	1880	1670	1900	5110	4400	4030	11200	34800	4320	3370	1450
9	3410	2010	1530	1790	8380	3690	4350	10300	27700	3680	2210	1360
10	3160	2320	1660	1880	9980	2810	3900	7500	24700	3160	2090	1810
11	2850	3150	1590	1920	15600	2370	3400	4730	23800	3000	2310	2360
12	2500	3770	1670	1790	15400	2180	2750	3230	21400	2740	2790	2380
13	2360	3950	2060	1680	14600	2230	3310	2780	18900	2990	2900	2240
14	2780	3790	2330	1760	14000	2290	6110	2530	17700	4450	3280	2370
15	2700	2920	2670	2300	12200	2110	7800	2140	17100	5280	3500	2540
16	2550	2300	2490	2300	10600	1930	8720	2230	15300	4990	3500	2750
17	3060	1950	2050	2130	9310	1900	7580	3340	12800	4780	3540	3160
18	3130	2160	1860	2090	7260	1860	7580	5860	10200	4250	3580	3410
19	2580	2320	1810	2080	5760	1750	8050	9090	8000	3800	3950	2990
20	2120	2310	1970	2300	5130	1880	6740	12200	9150	3760	4970	2310
21	1850	2610	1800	4860	5950	2070	4620	11900	16000	3900	3300	2140
22	1720	3500	1650	8330	7190	1820	3090	9500	19800	3900	2890	2460
23	1850	3320	2730	13100	7070	1710	2960	8250	20300	3400	2750	2250
24	2660	2590	6140	13500	6200	2080	3030	8510	17000	3500	2740	2080
25	3690	2100	10400	13300	5520	2260	2920	8300	13900	3100	2950	1990
26	3290	2000	11600	9150	4850	1960	2730	7900	11200	1900	3430	1750
27	2540	1910	9120	7980	4740	1850	2710	7670	8750	1800	3690	1640
28	2160	1720	6920	8000	4710	2300	2730	7210	7600	2700	3790	1770
29	1930	1540	5780	7980	4200	2440	2320	7210	6320	2900	2430	2660
30	1840	1420	5670	7850	---	2750	2120	7210	5930	2400	2010	7700
31	2270	---	5370	7650	---	3490	---	7260	---	2200	1970	---
TOTAL	89620	74380	103430	155380	216020	87310	127020	207470	514470	112940	99240	75220
MEAN	2891	2479	3336	5012	7449	2816	4234	6693	17150	3643	3201	2507
MAX	4340	3950	11600	13500	15600	5370	8720	12200	36300	5800	4970	7700
MIN	1720	1420	1330	1680	4040	1710	2120	2140	5930	1800	1970	1360
AC-FT	177800	147500	205200	308200	428500	173200	251900	411500	1020000	224000	196800	149200

CAL YR 1979 TOTAL 3782830 MEAN 10360 MAX 62600 MIN 1330 AC-FT 7503000
WTR YR 1980 TOTAL 1862500 MEAN 5089 MAX 36300 MIN 1330 AC-FT 3694000

07337000 RED RIVER AT INDEX, AR--CONTINUED
(National stream-quality accounting station)

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April to September 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR												
17...	1400	1028	1028	8000	314	7.8	14.5	100	8.8	86	830	K90
28...	1300	1028	1028	2980	995	8.2	18.0	18	9.5	100	K230	K60
JUN												
03...	1000	1028	1028	21200	490	7.2	26.0	130	6.4	78	K5000	K1600
24...	1030	1028	1028	16200	920	7.8	27.5	78	--	--	<3	400
JUL												
22...	0830	1028	1028	3960	1925	8.5	31.0	7.6	6.1	81	K23	--
SEP												
04...	0835	1028	1028	3400	1950	8.1	28.5	25	8.2	104	K50	110

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
APR											
17...	82	27	24	5.3	25	39	1.2	2.6	55	32	33
28...	200	84	57	15	100	51	3.0	4.0	120	110	140
JUN											
03...	110	46	31	9.0	45	45	1.8	3.1	68	51	64
24...	170	80	46	14	100	55	3.3	4.5	93	100	160
JUL											
22...	380	250	100	31	260	59	5.8	7.4	130	260	390
SEP											
04...	350	220	93	29	240	59	5.6	7.6	130	230	390

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
APR											
17...	.1	5.1	183	162	.25	3950	.53	.180	1.1	1.3	.78
28...	.2	2.3	525	501	.71	4220	.02	.010	1.1	1.1	.29
JUN											
03...	.1	5.7	290	251	.39	16600	.42	.180	2.8	3.0	.40
24...	.2	4.5	477	486	.65	20900	.23	.070	1.1	1.2	.47
JUL											
22...	.6	3.4	1180	1130	1.60	12600	.00	.000	1.3	1.3	.00
SEP											
04...	.3	4.5	1120	1070	1.52	10300	.00	.000	1.4	1.4	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR											
17...	.52	1.8	8.1	.240	.060	18	--	--	330	7130	66
28...	.81	1.1	5.0	.120	.030	--	14	.8	39	314	78
JUN											
03...	2.6	3.4	15	.300	.050	16	--	--	1022	58500	56
24...	.73	1.4	6.3	.140	.060	13	--	--	194	8490	97
JUL											
22...	1.3	1.3	5.8	.100	.020	--	22	.9	31	331	54
SEP											
04...	1.2	1.4	6.2	.130	.030	21	--	--	64	588	70

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)
APR										
17...	1400	--	--	--	--	--	--	--	--	--
28...	1300	1	1	300	200	100	1	<1	0	0
JUN										
03...	1000	--	--	--	--	--	--	--	--	--
JUL										
22...	0830	1	1	200	0	200	1	<1	10	0
SEP										
04...	0835	--	--	--	--	--	--	--	--	--

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
APR									
28...	0	0	<3	8	3	5	1100	1100	50
JUL									
22...	10	1	<3	8	8	0	680	620	60

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
APR									
28...	8	5	3	160	130	30	1.5	.8	.7
JUL									
22...	10	10	0	90	60	30	.6	.2	.4

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
APR									
17...	--	--	--	0	--	--	--	--	--
28...	0	0	0	0	0	0	40	--	<3
JUN									
03...	--	--	--	0	--	--	--	--	--
JUL									
22...	1	1	0	0	0	0	50	40	9
SEP									
04...	--	--	--	0	--	--	--	--	--

07337000 RED RIVER AT INDEX, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	JUN 3,80	JUN 24,80	JUL 22,80	SEP 4,80
TIME	1000	1030	0830	0835
TOTAL CELLS/ML	14000	6600	360000	190000
DIVERSITY: DIVISION	1.5	0.7	0.3	0.7
.CLASS	1.5	0.7	0.3	0.7
..ORDER	1.6	0.9	0.3	1.1
...FAMILY	2.1	1.7	1.3	1.4
....GENUS	2.7	2.5	2.2	2.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...COELASTRACEAE								
....COELASTRUM	1100	8	570	9	*	0	1200	1
...MICRACTINIACEAE								
....GOLENKINIA	--	-	--	-	*	0	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	--	-	69	1	*	0	*	0
....CHLORELLA	--	-	*	0	--	-	--	-
....DICTYOSPHAERIUM	2800#	20	280	4	--	-	1400	1
....KIRCHNERIELLA	--	-	--	-	*	0	*	0
....OOCYSTIS	1100	8	3500#	53	2600	1	2200	1
....SELENASTRUM	--	-	590	9	--	-	--	-
....TETRAEDRON	--	-	--	-	*	0	*	0
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	480	7	*	0	--	-
....SCENEDESMUS	830	6	--	-	*	0	7200	4
....TETRASTRUM	--	-	69	1	--	-	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	69	1	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	140	1	34	1	*	0	*	0
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	1500	11	600	9	*	0	2400	1
....CYCLOTELLA	140	1	--	-	2900	1	*	0
....MELOSIRA	3600#	26	69	1	*	0	--	-
..PENNALES								
...ACHNANTHACEAE								
....COCCONEIS	--	-	--	-	--	-	1200	1
...FRAGILARIACEAE								
....SYNEDRA	--	-	--	-	*	0	*	0
...NAVICULACEAE								
....NAVICULA	--	-	--	-	--	-	*	0
...NITZSCHIACEAE								
....NITZSCHIA	--	-	52	1	3900	1	2600	1
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	5800	3
....ANACYSTIS	--	-	34	1	*	0	9600	5
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	150	2	65000#	18	3400	2
....ANABAENOPSIS	--	-	--	-	65000#	18	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	150000#	41	23000	12
....OSCILLATORIA	2500#	18	--	-	68000#	19	120000#	65
....PHORMIDIUM	--	-	--	-	--	-	1900	1
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	*	0	--	-	*	0
....TRACHELOMONAS	--	-	*	0	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07338720 MOUNTAIN FORK NEAR HATFIELD, AR

LOCATION.--Lat 34°30'12", long 94°25'50", in NE 1/4 NE 1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi (5.0 km) northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 1979 to August 1980.

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

WATER QUALITY DATA, NOVEMBER 1979 TO AUGUST 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV 13...	1040	9827	9827	43	6.6	15.0	8.0	40	11.4	96
DEC 11...	1130	9827	9827	40	6.9	21.0	8.0	30	11.7	98
JAN 15...	1050	9827	9827	39	7.3	15.0	8.0	30	11.6	97
FEB 12...	1105	9827	9827	31	6.8	6.0	3.0	50	12.6	93
MAR 11...	1100	9827	9827	39	7.1	15.0	11.0	5	10.6	95
APR 15...	1050	9827	9827	34	6.7	21.0	10.0	40	10.9	96
MAY 06...	1110	9827	9827	37	6.9	24.0	18.0	30	9.7	102
JUN 10...	1110	9827	9827	38	6.9	32.0	24.0	30	8.8	104
AUG 05...	1100	9827	9827	60	7.3	34.0	27.0	45	7.8	96

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV 13...	1040	2.3	20	--	--	--	--	--	--	4.5	3.0
DEC 11...	1130	2.5	8	--	--	--	--	--	--	15	4.0
JAN 15...	1050	.9	16	--	3.0	1.0	2.9	.9	10	3.5	8.0
FEB 12...	1105	1.2	12	--	--	--	--	--	--	4.5	7.0
MAR 11...	1100	2.2	<4	--	--	--	--	--	--	4.5	4.0
APR 15...	1050	2.8	260	9	1.6	.9	2.1	.9	9	3.5	4.0
MAY 06...	1110	2.2	8	--	--	--	--	--	--	5.0	12
JUN 10...	1110	4.6	40	--	--	--	--	--	--	5.0	4.0
AUG 05...	1100	3.4	20	--	3.0	1.8	5.0	1.0	--	8.0	4.0

07338720 MOUNTAIN FORK NEAR HATFIELD, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1979 TO AUGUST 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
NOV 13...	1040	45	4	.15	.010	--	.030	--	--	--
DEC 11...	1130	31	1	.03	.010	.070	.090	--	--	--
JAN 15...	1050	39	6	.10	.020	.040	.040	--	<10	--
FEB 12...	1105	56	18	.17	.020	.170	.010	--	--	--
MAR 11...	1100	33	4	.05	.010	.020	.010	--	--	--
APR 15...	1050	36	9	.06	--	.010	.040	12	<10	4
MAY 06...	1110	--	--	.08	.010	.020	.060	--	--	--
JUN 10...	1110	36	4	.09	<.010	.020	.020	--	--	--
AUG 05...	1100	44	5	.02	.010	.360	.030	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
JAN 15...	1050	<20	280	10	<10	<10	--	--	--	--	--
FEB 12...	1105	--	--	--	--	--	.00	.00	.00	.00	.00
APR 15...	1050	<20	660	<10	28	<10	--	--	--	--	--
AUG 05...	1100	<20	230	<10	56	50	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB 12...	1105	.00	.00	.00	.00	0	.00

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'53", long 94°22'51", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam on Rolling Fork about 4.2 mi (6.8 km) northwest of DeQueen, and at mile 22.8 (36.7 km).
DRAINAGE AREA.--169 mi^2 (438 km^2).
PERIOD OF RECORD.--August 1977 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).
REMARKS.--Lake is formed by earthfilled dam with an uncontrolled 200-ft (61.0-m) wide spillway on the left abutment east of the dam. The outlet works consist of a gate-controlled 12-ft (3.7-m) diameter reinforced-concrete conduct, two 5.8-ft (1.77-m) by 12-ft (3.7-m) hydraulic slide gates, a 36-in (914-mm) diameter pipe for low-flow augmentation, and a 42-in (1,070-mm) diameter pipe for water supply. Storage began August 31, 1977. Lake is used for flood control, water supply, water-quality control, fish and wildlife conservation, and recreation. Capacity below 415.0 ft (126.49 m) is 9,350 acre-ft (11.5 hm^3), and is inactive storage. Capacity between 415.0 ft (126.49 m) and 437.0 ft (133.20 m) is 25,550 acre-ft (31.5 hm^3), and is conservation storage of which 17,900 acre-ft (22.1 hm^3) is for water supply, and 7,600 acre-ft (9.37 hm^3) is for quality control. Capacity between 437.0 ft (133.20 m) and 473.5 ft (144.32 m) is 101,300 acre-ft (125 hm^3) and is for flood control. Figures given herein represent total contents. Data regarding dam and lake are shown in following table:

	Elevation (ft)	Capacity (acre-ft)
Spillway crest.....	504.4 (153.74 m)	302,900 (373 hm^3)
Top of flood-control pool.....	473.5 (144.32 m)	136,200 (168 hm^3)
Top of conservation pool.....	437.0 (133.20 m)	34,900 (43.0 hm^3)
Top of inactive pool.....	415.0 (126.49 m)	9,350 (11.5 hm^3)
Bottom of lowest outlet.....	400.2 (121.98 m)	2,540 (3.13 hm^3)

COOPERATION.--Records furnished by Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 73,740 acre-ft (90.9 hm^3) Apr. 4, 1979, elevation, 454.85 ft (138.638 m); minimum since initial filling to conservation pool, 26,300 acre-ft (32.4 hm^3) Nov. 13, 1978, elevation, 431.38 ft (131.485 m).
EXTREMES FOR CURRENT YEAR.--Maximum contents, 53,880 acre-ft (66.4 hm^3) Sept. 30, elevation, 446.76 ft (136.172 m); minimum, 29,180 acre-ft (36.0 hm^3) Sept. 27, elevation, 433.38 ft (132.094 m).

Capacity table (elevation, in feet, and contents, in acre-feet)

433	28,610	440	40,180	527	31,030
435	31,660	445	50,060	447	54,410

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33380	35410	35140	36420	35220	34770	36090	34800	41770	35320	33060	30360
2	33320	35550	35160	35410	35320	34700	35210	34850	40030	35270	32960	30340
3	33220	35560	35170	35210	35430	34640	34920	35070	38120	35210	32900	30330
4	33140	35560	35220	35220	35510	34690	34920	35240	36000	35160	32770	30280
5	33090	35530	35260	35240	35610	34670	35040	35120	34880	35100	32690	30230
6	33040	35460	35270	35290	35660	34670	35120	34950	34970	35040	32610	30160
7	33010	35340	35270	35270	35770	34740	35190	35070	35040	34970	32530	30100
8	32960	35260	35290	35240	38330	34780	35220	35090	35210	34880	32450	30040
9	32910	35290	35290	35190	41870	34820	35210	35070	35220	34820	32340	30000
10	32830	35360	35310	35210	43460	34850	35190	35020	35240	34750	32240	29980
11	32770	35410	35360	35240	43580	35000	35800	34980	35260	34670	32160	29930
12	32770	35440	36980	35310	41940	35120	36540	36210	35260	34590	32070	29880
13	32710	35480	39290	35380	39850	35210	38500	36520	35260	34500	31990	29810
14	32660	35480	38730	35440	37730	35310	41120	36840	35210	34420	31890	29760
15	32610	35480	37430	35390	36360	35390	40460	36260	35170	34340	31850	29690
16	32610	35500	35870	35380	35870	35580	38640	41440	35160	34260	31750	29640
17	32820	35510	35000	35120	35320	35630	36400	40830	35120	34190	31640	29600
18	32820	35580	35050	35050	34720	35550	35290	39020	35070	34090	31570	29560
19	32800	35630	35140	35190	34500	35480	35260	37240	35950	33990	31470	29520
20	32820	35700	35310	35430	34670	35440	35090	35480	36310	33890	31400	29480
21	32830	36090	35430	37280	34780	35340	35040	34770	36000	33830	31300	29450
22	32830	36960	38860	39270	34880	35220	35120	37140	35530	33740	31210	29400
23	32790	37220	44480	38620	34930	35380	35170	37480	35260	33630	31120	29360
24	32750	37050	48760	36860	34970	35820	35210	37310	35360	33530	31020	29330
25	32690	36800	50300	36060	34930	35750	35870	36890	35410	33450	30930	29280
26	32690	36450	50170	35890	34900	35240	36770	36300	35440	33530	30840	29200
27	32660	36120	48040	35550	34870	35040	37400	35660	35440	33450	30750	29860
28	32710	35770	45440	35320	34870	35120	37120	35340	35440	33370	30670	47120
29	32690	35310	42800	35050	34850	35770	36090	38910	35410	33280	30590	52280
30	33060	35090	40120	35160	---	37240	35040	43190	35380	33220	30510	53880
31	34950	---	38010	35170	---	37240	---	43110	---	33140	30420	---
MAX	34950	37220	50300	39270	43580	37240	41120	43190	41770	35320	33060	53880
MIN	32610	35090	35000	35050	34500	34640	34920	34770	34880	33140	30420	29200
(†)	437.03	437.11	438.80	437.16	436.97	438.36	437.08	441.56	437.28	435.93	434.20	446.76
(‡)	+1,530	+140	+2,920	-2,840	-320	+2,390	+8,070	+8,070	-7,730	-2,240	-2,720	+23,460

CAL YR 1979 MAX 73720 MIN 32610 -8,560
WTR YR 1980 MAX 53880 MIN 29200 +20,460

† Elevation, in feet, at end of month.
‡ Change in contents, in acre feet.

07339500 ROLLING FORK NEAR DEQUEEN, AR

LOCATION.--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, Hydrologic Unit 11140109, near center of span on downstream side of bridge on U.S. Highway 70, 4.0 mi (6.4 km) west of DeQueen, 6.0 mi (9.7 km) upstream from Rock Creek, and at mile 17.0 (27.4 km).

DRAINAGE AREA.--182 mi^2 (471 km^2).

PERIOD OF RECORD.--October 1948 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 318.24 ft (97.000 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 16, 1948, nonrecording gage at present site and datum.

REMARKS.--Records good. Some regulation since Aug. 31, 1977, by DeQueen Lake (station 07339450).

AVERAGE DISCHARGE.--32 years, 292 ft^3/s (8.27 m^3/s), 211,600 acre-ft/yr (261 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,000 ft^3/s (2,010 m^3/s) Dec. 10, 1971, gage height, 24.23 ft (7.385 m), from floodmark; no flow at times in 1948, 1954, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 27, 1947, reached a stage of 25.6 ft (7.80 m), from floodmarks, discharge, 110,000 ft^3/s (3,120 m^3/s), from contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,750 ft^3/s (49.6 m^3/s) Apr. 16, gage height, 8.70 ft (2.652 m); maximum gage height, 8.94 ft (2.725 m) Jan. 24; minimum daily discharge, 12 ft^3/s (0.341 m^3/s) Sept. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	64	52	922	113	70	1030	384	1300	25	34	26
2	25	123	36	754	79	69	858	166	1290	24	33	29
3	25	123	34	280	78	64	458	87	1280	24	34	23
4	24	122	32	81	77	50	192	84	1270	24	34	16
5	17	122	31	77	78	49	81	161	876	23	33	16
6	16	121	31	76	77	45	78	240	115	23	32	16
7	16	120	31	75	75	26	77	85	42	23	32	17
8	16	121	30	74	234	23	76	90	40	23	31	18
9	16	130	30	73	177	22	74	82	40	23	31	17
10	16	71	30	73	115	22	74	80	33	23	31	17
11	16	60	30	76	407	22	80	81	30	22	32	18
12	15	58	47	74	1260	37	102	268	29	22	32	18
13	16	57	351	73	1490	29	174	241	28	22	32	17
14	16	57	973	73	1480	24	548	620	28	22	31	17
15	16	57	1140	102	1170	23	1520	589	27	22	31	17
16	17	55	1110	189	471	25	1740	997	27	21	32	17
17	208	33	814	190	466	48	1720	1700	27	21	31	18
18	60	27	155	156	473	116	1190	1700	27	22	31	15
19	33	27	129	49	364	118	302	1300	33	32	30	15
20	30	29	90	53	80	119	289	1100	101	34	30	12
21	30	53	87	196	74	117	221	500	367	36	30	13
22	30	56	162	630	72	116	92	210	375	38	31	13
23	28	80	151	1250	71	122	88	350	298	36	31	14
24	28	352	162	1620	70	143	87	400	48	36	31	15
25	28	355	115	948	70	312	94	395	31	36	31	16
26	27	355	402	420	69	519	100	390	28	38	32	16
27	27	355	1450	409	70	379	92	380	27	45	32	37
28	28	322	1670	336	70	175	364	230	26	36	33	289
29	29	384	1650	358	69	198	915	130	26	35	30	276
30	38	295	1630	135	---	200	731	402	25	35	27	81
31	150	---	1380	128	---	448	---	1300	---	34	27	---
TOTAL	1067	4184	14035	9950	9399	3730	13447	14742	7894	880	972	1129
MEAN	34.4	139	453	321	324	120	448	476	263	28.4	31.4	37.6
MAX	208	384	1670	1620	1490	519	1740	1700	1300	45	34	289
MIN	15	27	30	49	69	22	74	80	25	21	27	12
AC-FT	2120	8300	27840	19740	18640	7400	26670	29240	15660	1750	1930	2240

CAL YR 1979 TOTAL 179628 MEAN 492 MAX 2090 MIN 15 AC-FT 356300
WTR YR 1980 TOTAL 81429 MEAN 222 MAX 1740 MIN 12 AC-FT 161500

07339850 ROLLING FORK NEAR HORATIO, AR

LOCATION.--Lat 33°57'19", long 94°24'03", in SW 1/4 sec.27 T.9 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on State Highway 24, 1.5 mi (2.4 km) downstream from Bear Creek, and 3.0 mi (4.8 km) west of Horatio.

DRAINAGE AREA.--356 mi^2 (922 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1220	9827	9827	48	6.9	20.0	22.0	30	6.6	72
30...	1150	9827	9827	82	6.9	20.0	19.0	60	4.8	51
NOV										
27...	1150	9827	9827	51	6.9	19.0	12.0	90	5.4	50
JAN										
15...	0915	9827	9827	49	6.7	10.0	7.0	60	8.8	72
FEB										
12...	1445	9827	9827	47	6.7	6.0	4.0	75	11.9	91
MAR										
11...	1550	9827	9827	56	7.1	5.0	10.0	50	--	--
APR										
15...	1450	9827	9827	44	6.5	20.0	12.0	75	9.3	86
MAY										
13...	1320	9827	9827	52	--	30.0	22.0	150	6.6	75
JUN										
10...	1400	9827	9827	50	6.6	29.0	28.0	80	4.8	61
JUL										
08...	1345	9827	9827	--	6.8	35.0	33.0	100	5.4	74
AUG										
05...	1430	9827	9827	390	7.3	37.0	30.0	180	4.2	55
SEP										
02...	1405	9827	9827	752	7.4	35.0	29.0	30	6.3	81
30...	1340	9827	9827	--	7.1	25.0	21.0	--	5.1	57

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1230	1.0	84	22	5.8	1.6	7.1	1.0	15	15	3.0
NOV											
13...	1210	4.5	64	--	--	--	--	--	--	12	4.0
DEC											
11...	1250	2.4	80	--	--	--	--	--	--	16	6.0
JAN											
15...	1230	<.1	25	--	3.0	1.0	5.5	1.0	14	8.5	9.0
FEB											
12...	1255	1.3	29	--	--	--	--	--	--	5.0	6.0
MAR											
11...	1250	2.7	16	--	--	--	--	--	--	15	6.0
APR											
15...	1240	2.4	350	12	2.3	1.0	2.4	1.0	11	5.0	4.0
MAY											
06...	1230	1.8	300	--	--	--	--	--	--	6.0	14
JUN											
10...	1225	4.7	280	--	--	--	--	--	--	7.5	6.0
AUG											
05...	1245	2.9	220	--	3.0	1.2	5.0	1.0	--	15	5.0

07339850 ROLLING FORK NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 16...	1230	--	4	.10	<.010	<.010	.020	<5	<10	<5
NOV 13...	1210	61	6	.23	.010	--	.020	--	--	--
DEC 11...	1250	62	2	.21	<.010	.060	.030	--	--	--
JAN 15...	1230	42	8	.22	.010	.050	.010	--	<10	--
FEB 12...	1255	56	28	.22	.010	.140	.030	--	--	--
MAR 11...	1250	59	4	.10	.010	.030	.040	--	--	--
APR 15...	1240	44	34	.16	--	.020	.040	15	<10	5
MAY 06...	1230	--	--	.11	<.010	.010	.050	--	--	--
JUN 10...	1225	57	15	.20	.010	.010	.060	--	--	--
AUG 05...	1245	43	6	.09	.020	.080	.030	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 16...	1230	<20	380	40	63	<10	--	--	--	--	--
JAN 15...	1230	<20	560	<10	81	<10	--	--	--	--	--
FEB 12...	1255	--	--	--	--	--	.00	.00	.00	.00	.00
APR 15...	1240	<20	1000	<10	100	<10	--	--	--	--	--
AUG 05...	1245	<20	300	<10	100	50	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB 12...	1255	.00	.00	.00	.00	0	.00

07340000 LITTLE RIVER NEAR HORATIO, AR

LOCATION.--Lat 33°55'10", long 94°23'15", in NE 1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi (1.4 km) downstream from Rolling Fork, 2.0 mi (3.2 km) southwest of Horatio, 28.5 mi (45.9 km) upstream from Cossatot River, and at mile 72.0 (115.8 km).

DRAINAGE AREA.--2,662 mi^2 (6,895 km^2).

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft (83.177 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1935, to Sept. 13, 1961, water-stage recorder, at site 50 ft (15 m) upstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi (50.5 km) upstream, capacity, 1,368,000 acre-ft (1,690 hm^3), and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi (117.9 km) upstream, capacity, 465,800 acre-ft (574 hm^3).

AVERAGE DISCHARGE.--50 years, 3,750 ft^3/s (106 m^3/s), 2,717,000 acre-ft/yr (3,350 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s (3,400 m^3/s) Mar. 30, 1945, gage height, 37.70 ft (11.491 m), from rating curve extended above 93,000 ft^3/s (2,630 m^3/s); minimum, 1.0 ft^3/s (0.028 m^3/s) Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft (11.58 m), discharge, 124,000 ft^3/s (3,510 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,000 ft^3/s (566 m^3/s) Sept. 30, gage height, 23.60 ft (7.193 m); minimum daily, 226 ft^3/s (6.40 m^3/s) Sept. 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	2560	668	6990	4660	2760	2070	3400	11600	2480	1480	257
2	279	1620	476	4340	3950	1890	2250	3050	10400	2780	948	324
3	409	1120	393	4340	2860	1260	1830	2860	9360	2430	593	774
4	860	817	672	4060	1780	3020	1460	2170	7600	2270	364	871
5	946	646	649	4020	3240	3480	1250	1990	7700	936	387	1240
6	691	541	456	3770	3230	3490	1290	2120	7710	451	326	1820
7	385	1470	400	3610	2850	2600	1250	2050	6370	340	549	1410
8	266	1000	459	3920	4840	3070	1200	2080	3140	1690	1280	489
9	581	1620	404	3350	12500	907	1170	1960	2720	2320	918	1250
10	704	1720	347	3180	12800	1400	1290	1310	4420	2290	436	1320
11	606	918	340	2770	8710	2870	1190	812	2980	2520	286	515
12	595	606	500	2430	6770	2130	2280	894	2500	1620	450	294
13	1130	522	3080	1340	8750	2110	2940	2290	2470	2130	675	416
14	467	471	4450	797	9960	1180	8200	2190	2620	1030	737	358
15	273	420	3360	1760	9920	886	10100	2820	1210	2180	543	252
16	561	397	2420	1090	7990	674	7260	7110	1110	1560	791	335
17	1210	392	2000	1300	4380	688	5710	8380	2280	1400	650	565
18	2970	374	2140	1580	3300	803	5200	7150	2020	1780	374	359
19	1210	364	2550	2220	5190	850	4170	5730	1780	1210	450	246
20	740	356	2390	1370	4680	737	2570	5600	3200	511	847	303
21	515	408	2030	2550	3610	661	2180	6230	7340	305	1370	289
22	376	832	3090	8290	2030	628	2150	6760	3780	678	804	236
23	562	916	5650	10300	1980	622	1290	7140	1550	440	896	266
24	1430	789	10100	8620	1220	785	1040	5300	1680	833	450	262
25	1160	862	13400	7300	1070	1110	1030	2640	2470	445	270	236
26	1420	812	11000	5710	2460	1170	1500	1880	3050	414	785	226
27	1730	762	9200	4140	2990	1480	1650	1730	3120	522	1300	295
28	576	700	9900	4380	3020	1530	1490	3230	3240	362	1280	4370
29	325	650	11200	4670	2580	1520	1880	6990	1080	524	1100	17000
30	923	706	10800	4030	---	2520	3240	7000	815	1240	429	19600
31	2330	---	9960	5290	---	2060	---	10500	---	2060	277	---
TOTAL	26514	25371	124484	123517	143320	50891	82130	125366	121315	41751	22045	56178
MEAN	855	846	4016	3984	4942	1642	2738	4044	4044	1347	711	1873
MAX	2970	2560	13400	10300	12800	3490	10100	10500	11600	2780	1480	19600
MIN	266	356	340	797	1070	622	1030	812	815	305	270	226
AC-FT	52590	50320	246900	245000	284300	100900	162900	248700	240600	82810	43730	111400

CAL YR 1979 TOTAL 1880181 MEAN 5151 MAX 26800 MIN 253 AC-FT 3729000
WTR YR 1980 TOTAL 942882 MEAN 2576 MAX 19600 MIN 226 AC-FT 1870000

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1969-78, October 1979 to September 1980.

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 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT												
11...	1015	1028	9740	--	70	5.9	--	13.0	--	7.4	--	16
16...	1300	9827	9827	--	79	6.9	23.0	16.0	10	8.4	84	--
NOV												
01...	1055	1028	--	2640	--	--	13.5	15.5	--	--	--	--
13...	1230	9827	9827	--	100	6.7	15.0	10.0	50	9.0	80	--
DEC												
11...	1315	9827	9827	--	97	6.9	21.0	11.0	25	10.5	95	--
13...	1725	1028	--	4320	--	--	12.0	9.5	--	--	--	--
JAN												
15...	1215	9827	9827	--	57	7.1	18.0	9.0	20	10.8	93	--
26...	1155	1028	--	5800	--	--	9.5	8.5	--	--	--	--
FEB												
12...	1230	9827	9827	--	51	7.0	6.0	4.0	25	12.1	92	--
MAR												
06...	1710	1028	--	2580	--	--	18.0	9.0	--	--	--	--
11...	1230	9827	9827	--	36	7.0	18.0	9.0	5	11.3	97	--
APR												
15...	1215	9827	9827	--	60	6.8	22.0	11.0	50	10.8	97	--
16...	1820	1028	--	6690	--	--	26.5	12.5	--	--	--	--
MAY												
06...	1250	9827	9827	--	60	6.9	26.0	20.0	30	9.0	98	--
29...	1620	1028	--	7680	--	--	29.5	20.0	--	--	--	--
JUN												
10...	1245	9827	9827	--	47	6.7	35.0	20.0	40	8.5	92	--
JUL												
16...	1110	1028	--	2030	--	--	31.0	24.0	--	--	--	--
16...	2000	1028	9740	--	--	--	--	--	--	--	--	--
AUG												
05...	1220	9827	9827	--	73	6.8	36.0	27.0	45	7.0	86	--
26...	1230	9827	9827	--	78	6.8	36.0	27.0	10	7.2	89	--
28...	1500	1028	--	1570	--	--	33.0	24.5	--	--	--	--
SEP												
02...	1130	9827	9827	--	93	--	36.0	29.0	5	7.4	95	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
11...	1015	--	--	22	5.0	1.4	<10	1.8	--	10	<1.0
16...	1300	2.2	8	27	7.0	2.2	8.2	1.0	14	17	4.0
NOV											
13...	1230	7.4	12	--	--	--	--	--	--	13	5.0
DEC											
11...	1315	1.8	8	--	--	--	--	--	--	5.5	5.0
JAN											
15...	1215	.7	28	--	4.0	1.0	4.3	1.0	15	6.5	8.0
FEB											
12...	1230	1.5	4	--	--	--	--	--	--	5.0	5.0
MAR											
11...	1230	1.3	4	--	--	--	--	--	--	4.5	3.0
APR											
15...	1215	4.2	550	22	5.4	1.3	2.8	2.0	17	5.5	6.0
MAY											
06...	1250	2.4	68	--	--	--	--	--	--	8.5	14
JUN											
10...	1245	3.2	210	--	--	--	--	--	--	5.0	4.0
AUG											
05...	1220	3.4	28	--	3.0	1.3	7.0	1.0	--	18	6.0
26...	1230	6.9	250	--	--	--	--	--	--	--	2.0
SEP											
02...	1130	--	28	--	--	--	--	--	--	--	3.0

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
11...	1015	--	21	--	--	--	1.6	.055	--	--	--
16...	1300	--	6	.08	.010	.030	--	.030	<5	<10	<5
NOV											
13...	1230	79	4	.28	.020	--	--	.050	--	--	--
DEC											
11...	1315	59	<1	.10	.010	.170	--	.030	--	--	--
JAN											
15...	1215	42	8	.20	.010	.060	--	.040	--	<10	--
FEB											
12...	1230	64	30	.20	.010	.060	--	.030	--	--	--
MAR											
11...	1230	34	1	.15	.010	.020	--	.020	--	--	--
APR											
15...	1215	54	40	.11	--	.010	--	.080	4	<10	8
MAY											
06...	1250	--	--	.14	.010	.010	--	.060	--	--	--
JUN											
10...	1245	45	36	.20	.010	.050	--	.040	--	--	--
AUG											
05...	1220	55	6	.22	.030	.170	--	.060	--	<10	--
26...	1230	6	10	.08	.010	.040	--	.030	--	--	--
SEP											
02...	1130	75	5	.15	.010	.020	--	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
11...	1015	--	--	--	680	--	--	--	--	--	--
16...	1300	<20	250	50	200	<10	.00	.00	.00	.00	.00
NOV											
13...	1230	--	--	--	--	--	.00	.00	.00	.00	.00
DEC											
11...	1315	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
15...	1215	<20	310	<10	81	<10	.00	.00	.00	.00	.00
FEB											
12...	1230	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
15...	1215	<20	1800	<10	100	<10	--	--	--	--	--
JUN											
10...	1245	--	--	--	--	--	.00	.00	.00	.00	.00
JUL											
16...	2000	--	--	--	--	--	<.30	<.03	--	<.70	<.06
AUG											
05...	1220	<20	320	<10	87	50	.00	.00	.00	.00	.00
26...	1230	--	--	--	--	--	.00	.00	.00	.00	.00
SEP											
02...	1130	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1300	.00	.00	.00	.00	0	.00
NOV							
13...	1230	.00	.00	.00	.00	0	.00
DEC							
11...	1315	.00	.00	.00	.00	0	.00
JAN							
15...	1215	.00	.00	.00	.00	0	.00
FEB							
12...	1230	.00	.00	.00	.00	0	.00
JUN							
10...	1245	.00	.00	.00	.00	0	.00
JUL							
16...	2000	<.03	--	--	--	--	--
AUG							
05...	1220	.00	.00	.00	.00	0	.00
26...	1230	.00	.00	.00	.00	0	.00
SEP							
02...	1130	.00	.00	.00	.00	0	.00

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE 1/4 NE 1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 246, 0.3 mi (0.5 km) downstream from Brushy Creek, 3.2 mi (4.1 km) upstream from Flat Creek, and 7.5 mi (12.1 km) east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2 (232.1 km^2).

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft (235.269 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 197 ft^3/s (5.58 m^3/s), 29.86 in/yr (758 mm/yr), 142,700 acre-ft/yr (176 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft^3/s (892 m^3/s) Dec. 9, 1971, gage height, 19.35 ft (5.898 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s) on the basis of step-backwater computations; minimum, 7.2 ft^3/s (0.20 m^3/s) Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft (0.509 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft (7.01 m) from information by local resident, discharge, about 48,000 ft^3/s (1,400 m^3/s).

EMTREMES FOR CURRENT YEAR.--Maximum discharge, 3,910 ft^3/s (111 m^3/s) May 15, gage height, 8.62 ft (2.627 m), no peak above base of 5,000 ft (142 m^3/s); minimum, 8.0 ft^3/s (0.227 m^3/s) Aug. 24-25, gage height, 1.68 ft (0.512 m^3/s)

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	320	36	82	76	54	237	207	79	17	11	9.9
2	18	150	34	74	71	47	182	305	64	16	11	9.7
3	17	105	31	70	69	45	160	516	53	15	11	9.6
4	16	82	30	63	66	46	127	303	45	13	11	9.3
5	16	70	29	57	65	46	109	210	39	13	11	9.2
6	16	60	29	53	61	43	99	158	34	13	11	9.1
7	15	53	28	52	57	42	95	124	32	12	10	9.3
8	15	49	27	48	382	41	87	101	31	12	9.7	9.1
9	14	84	25	45	542	39	75	83	29	11	9.3	9.2
10	14	130	24	45	307	37	69	73	28	11	9.2	12
11	13	115	23	89	229	37	68	67	25	11	9.1	16
12	13	100	385	90	225	91	70	606	23	10	9.1	13
13	13	88	597	85	213	94	258	469	21	10	9.2	10
14	14	80	282	82	204	79	751	243	20	9.9	9.1	9.4
15	14	73	185	77	212	70	599	535	19	9.9	9.2	9.2
16	19	67	139	83	190	82	377	1930	18	9.6	9.4	8.9
17	21	61	104	80	162	125	272	596	18	9.5	9.3	9.8
18	24	56	86	78	144	122	207	316	20	9.6	9.2	9.9
19	25	52	77	77	131	115	165	212	184	9.6	8.8	10
20	23	50	69	86	117	108	140	157	116	9.3	8.6	9.9
21	21	74	63	710	102	94	121	124	75	12	8.5	9.7
22	24	240	1000	729	89	81	105	124	51	20	8.5	9.7
23	27	300	1540	486	79	200	93	108	41	14	8.4	9.8
24	29	165	1230	318	71	478	84	89	35	11	8.3	12
25	39	110	484	230	64	300	769	76	29	11	8.3	21
26	31	76	291	175	58	215	512	66	25	12	8.4	29
27	25	61	204	138	55	170	362	57	23	32	10	25
28	25	51	156	116	55	178	259	52	21	19	14	1300
29	26	45	127	103	54	382	197	62	19	14	12	537
30	30	38	108	94	---	582	155	124	18	13	11	204
31	90	---	94	85	---	340	---	111	---	12	10	---
TOTAL	708	3005	7537	4600	4150	4383	6804	8204	1235	401.4	302.6	2359.7
MEAN	22.8	100	243	148	143	141	227	265	41.2	12.9	9.76	78.7
MAX	90	320	1540	729	542	582	769	1930	184	32	14	1300
MIN	13	38	23	45	54	37	68	52	18	9.3	8.3	8.9
CFSM	.25	1.12	2.71	1.65	1.60	1.57	2.53	2.96	.46	.14	.11	.88
IN.	.29	1.25	3.13	1.91	1.72	1.82	2.82	3.41	.51	.17	.13	.98
AC-FT	1400	5960	14950	9120	8230	8690	13500	16270	2450	796	600	4680

CAL YR 1979 TOTAL 91398.0 MEAN 250 MAX 5230 MIN 13 CFSM 2.79 IN 37.95 AC-FT 181300
WTR YR 1980 TOTAL 43689.7 MEAN 119 MAX 1930 MIN 8.3 CFSM 1.33 IN 18.14 AC-FT 86660

07340450 GILLHAM LAKE NEAR GILLHAM, AR

LOCATION.--Lat 34°12'37", long 94°13'44", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109, at Gillham Dam on Cossatot River, 6.0 mi (9.6 km) northeast of Gillham, and at mile 49.0 (78.8 km)
DRAINAGE AREA.--273 mi^2 (707 km^2).
PERIOD OF RECORD.--May 1975 to current year.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).
REMARKS.--Lake is formed by rockfilled dam. Outlet works consist of a 10-ft (3.0-m) diameter pipe that will discharge floodwaters, a 24-in (610-mm) pipe for water supply, and a 30-in (762-mm) pipe for quality control. Flow over the spillway is controlled by four 50-ft (15.2-m) by 42-ft (12.8-m) taintor gates. Storage began May 8, 1975. Lake is used for flood control, water supply, water-quality control, and fish and wildlife conservation. Capacity between elevations 464.5 ft (141.58 m) and 502.0 ft (153.01 m) is 29,310 acre-ft (36.1 hm^3) and is conservation storage of which 20,510 acre-ft (25.3 hm^3) is reserved for water supply, and 8,800 acre-ft (10.9 hm^3) is reserved for quality control. Capacity between elevations 502.0 ft (153.01 m) and 569.0 ft (173.43 m) is 188,750 acre-ft (233 hm^3) and is reserved for flood-control storage. Figures given herein represent total contents. Data regarding dam and lake are shown in the following table:

	Elevation (ft)	Capacity (acre-ft)
Top of dam	586.0 (178.61 m)	312,270 (385 hm^3)
Top of flood-control pool	569.0 (173.43 m)	221,780 (273 hm^3)
Top of spillway crest	527.0 (160.63 m)	78,580 (96.9 hm^3)
Top of conservation pool	502.0 (153.01 m)	33,030 (40.7 hm^3)
Top of inactive pool	464.5 (141.58 m)	3,717 (4.58 hm^3)
Bottom of lowest outlet	458.5 (139.75 m)	2,158 (2.66 hm^3)

COOPERATION.--Records furnished by Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 118,600 acre-ft (146 hm^3) Mar. 30, 1977, elevation, 541.91 ft (165.174 m); minimum since initial filling to conservation pool, 23,010 acre-ft (28.4 hm^3) Nov. 14, 15, 1978, elevation, 493.83 ft (150.519 m).
EXTREMES FOR CURRENT YEAR.--Maximum contents, 55,530 acre-ft (68.5 hm^3) Dec. 26, elevation, 515.94 ft (159.259 m); minimum, 27,180 acre-ft (33.5 hm^3) Sept. 27, elevation, 497.46 ft (151.626 m).

Capacity table (elevation, in feet, and contents, in acre-feet)

495	24,300	510	45,100
500	30,360	520	63,400

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33540	35130	35400	35130	33990	33320	36570	33820	36480	32950	30860	28630
2	33510	35180	34860	33580	34170	33310	34430	33690	36200	32920	30780	28580
3	32470	35040	34320	33280	34360	33250	33220	35430	35430	32900	30730	28530
4	33420	34860	33750	33350	34430	33220	32900	36360	34530	32870	30640	28450
5	33360	34600	33200	33470	34320	33170	33060	36300	33760	32840	30550	28390
6	33310	34290	32950	33610	34170	33140	33140	34770	33560	32800	30520	28340
7	33280	33960	32940	33620	33970	33100	33220	34630	33510	32720	30440	28280
8	33240	33650	32940	33690	36610	33030	33200	33790	33440	32580	30350	28200
9	33160	33740	32940	33740	41390	32950	33130	33470	33380	32450	30250	28220
10	33100	34140	32940	33800	43570	32910	33130	33600	33380	32310	30170	28160
11	33060	34360	32940	33870	43520	33030	33430	33670	33380	32180	30100	28110
12	33030	34520	34500	33900	41510	33220	33690	39410	33350	32070	30030	28040
13	32960	34480	38010	33960	39400	33470	34940	42460	33250	31930	29980	27980
14	32910	34030	38280	33930	37180	33610	38800	41170	33100	31810	29900	27920
15	32870	33580	37080	33690	35780	33670	39060	40550	33030	31680	29830	27860
16	32870	33380	35530	33600	35270	33870	37310	52110	32960	31550	29790	27770
17	32900	33440	33930	33430	34600	34030	34960	53410	32900	31490	29720	27740
18	32920	33570	33270	33330	33850	34030	33650	52520	32830	31410	29640	27680
19	32920	33690	33460	33380	33430	33970	33670	49950	33330	31330	29560	27630
20	32920	33830	33580	33530	33140	33850	33460	45980	33750	31240	29490	27550
21	32900	34420	33720	36460	33060	33650	33320	41830	33860	31190	29410	27480
22	32900	35740	37610	39730	33090	33360	33350	38680	33860	31160	29360	27430
23	32850	36330	44450	39090	33030	33620	33290	37050	33790	31110	29280	27370
24	32840	36410	51840	36220	32920	35610	33160	35990	33690	31060	29210	27310
25	32830	36410	54620	34310	32910	35450	35270	34790	33530	30990	29140	27260
26	32790	36300	54950	33540	33060	34220	36860	33540	33360	31080	29040	27190
27	32760	36280	52250	32500	33210	33220	37920	33010	33250	31080	28960	27490
28	32730	36250	48510	32330	33330	33140	37650	32960	33180	31060	28890	36890
29	32660	36170	44630	32870	33360	34210	36390	33790	33220	31040	28830	41360
30	32960	35930	40720	33350	---	37590	34810	35250	33010	30990	28750	41150
31	34630	---	37530	33720	---	38250	---	36160	---	30930	28690	---
MAX	34630	36410	54950	39730	43570	38250	39060	53410	36480	32950	30860	41360
MIN	32470	33380	32940	32330	32910	32910	32900	32960	32830	30930	28690	27190
(†)	503.15	504.06	505.16	502.50	502.24	505.64	503.28	504.22	501.98	500.43	498.69	507.54
(‡)	+1,060	+1,300	+1,600	-3,810	-360	+4,890	-3,440	+1,350	+3,150	-2,080	-2,240	+12,460

CAL YR 1979 MAX 103900 MIN 32470 -13.160
WTR YR 1980 MAX 54950 MIN 27190 +7,580

† Elevation, in feet, at end of month.
‡ Change in contents, in acre feet.

07340500 COSSATOT RIVER NEAR DEQUEEN, AR

LOCATION.--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, Hydrologic Unit 11140109, near right bank on downstream side of bridge on U.S. Highway 71, just downstream from Hale Creek, 7.0 mi (11.3 km) east of DeQueen, and at mile 33.5 (53.9 km).

DRAINAGE AREA.--360 mi^2 (932 km^2).

PERIOD OF RECORD.--January 1938 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 335.48 ft (102.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good. Records do not include about 3.2 ft^3/s (0.091 m^3/s) diverted by DeQueen for municipal use. Some regulation since May 1975 by Gillham Lake (station 07340450), 15.5 mi (24.9 km) upstream.

AVERAGE DISCHARGE.--42 years, 618 ft^3/s (17.5 m^3/s), 447,700 acre-ft/yr (552 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft^3/s (3,460 m^3/s) May 13, 1968, gage height, 22.60 ft (6.891 m), from rating curve extended above 65,000 ft^3/s (1,840 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 1.1 ft^3/s (0.031 m^3/s) Sept. 2, 3, 1972, gage height, 2.90 ft (0.884 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,230 ft^3/s (261 m^3/s) Sept. 28, gage height, 13.78 ft (4.200 m); minimum daily, 21 ft^3/s (0.59 m^3/s) July 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	234	346	1430	273	142	1690	1330	425	61	29	31
2	30	280	359	1240	493	142	1880	1000	393	44	30	31
3	29	254	351	539	1730	142	1340	496	637	26	31	32
4	28	232	351	223	898	142	865	466	647	23	30	30
5	28	218	364	157	619	141	307	569	620	23	29	30
6	29	223	330	142	1680	138	279	936	330	23	28	30
7	30	231	101	133	1830	137	268	936	152	21	28	30
8	29	224	71	123	1750	137	258	957	144	27	27	29
9	29	257	68	121	1710	134	248	751	140	56	27	29
10	29	165	63	116	991	130	242	221	99	63	29	34
11	28	121	61	134	827	81	145	203	79	57	28	33
12	28	105	229	175	798	126	418	1200	69	55	27	29
13	29	95	779	175	784	121	732	1180	62	54	27	29
14	29	291	946	180	524	98	1500	1850	103	52	27	30
15	28	321	1340	271	479	146	2170	2170	95	49	26	29
16	32	302	1280	294	287	203	2310	2710	61	50	30	28
17	71	98	1210	250	262	322	2230	2180	62	45	30	30
18	59	48	883	200	254	410	1830	1880	60	31	27	29
19	39	47	237	170	243	398	689	1970	109	30	26	29
20	39	46	190	250	142	386	619	2580	134	29	26	29
21	41	118	175	500	93	370	539	2510	160	34	26	30
22	43	264	623	1100	98	359	338	2300	156	41	27	28
23	40	177	798	1760	93	389	320	1450	148	32	27	28
24	38	319	1020	2610	124	655	313	909	147	30	28	28
25	38	316	528	2140	146	1190	510	869	142	30	27	32
26	37	295	521	1060	143	1430	1090	845	138	32	27	30
27	38	264	1870	1000	143	1280	1050	670	134	47	28	55
28	39	158	2390	788	143	899	1130	203	79	35	29	5030
29	38	141	2340	182	142	662	1410	647	68	32	30	2250
30	52	149	2280	239	---	909	1380	1010	62	31	29	1360
31	644	---	2060	282	---	917	---	548	---	30	31	---
TOTAL	1723	5993	24164	17984	17699	12736	28100	37546	5655	1193	871	9472
MEAN	55.6	200	779	580	610	411	937	1211	189	38.5	28.1	316
MAX	644	321	2390	2610	1830	1430	2310	2710	647	63	31	5030
MIN	28	46	61	116	93	81	145	203	60	21	26	28
AC-FT	3420	11890	47930	35670	35110	25260	55740	74470	11220	2370	1730	18790

CAL YR 1979 TOTAL 336700 MEAN 922 MAX 5860 MIN 16 AC-FT 667800
WTR YR 1980 TOTAL 163136 MEAN 446 MAX 5030 MIN 21 AC-FT 323600

07340520 COSSATOT RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°58'17", long 94°13'20", in NW 1/4 sec.20, T.9 S., R.30 W., Sevier County, Hydrologic Unit 11140109, at bridge on State Highway 24, 3.1 mi (5.0 km) west of Lockesburg.

DRAINAGE AREA.--385 mi^2 (997 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1200	9827	9827	43	6.8	21.0	15.0	10	8.2	80
NOV										
13...	1300	9827	9827	48	6.7	15.0	9.0	20	10.5	91
DEC										
11...	1400	9827	9827	46	6.8	21.0	10.0	15	10.8	96
JAN										
15...	1310	9827	9827	52	8.8	20.0	8.0	30	11.2	94
FEB										
12...	1328	9827	9827	34	6.8	8.0	4.0	30	12.7	97
MAR										
11...	1325	9827	9827	41	7.0	18.0	12.0	5	10.7	99
APR										
15...	1335	9827	9827	36	6.7	23.0	12.0	30	10.7	99
15...	1355	9827	9827	--	--	--	--	--	--	--
MAY										
06...	1315	9827	9827	35	6.9	28.0	18.0	20	9.5	100
JUN										
10...	1320	9827	9827	44	7.0	36.0	23.0	30	8.6	99
AUG										
05...	1320	9827	9827	43	6.9	40.0	28.0	40	7.5	94
26...	1300	9827	9827	42	7.0	36.0	29.0	5	7.9	101
SEP										
02...	1205	9827	9827	47	--	36.0	29.0	5	6.5	83

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1200	.9	100	15	3.5	1.3	3.0	1.0	14	4.0	2.0
NOV											
13...	1300	5.4	16	--	--	--	--	--	--	4.5	2.0
DEC											
11...	1400	2.8	28	--	--	--	--	--	--	4.5	4.0
JAN											
15...	1310	<.1	36	--	2.0	1.0	5.6	1.0	18	4.0	7.0
FEB											
12...	1328	1.3	20	--	--	--	--	--	--	4.0	4.0
MAR											
11...	1325	2.1	24	--	--	--	--	--	--	4.5	4.0
APR											
15...	1335	2.2	>600	11	2.1	1.0	2.3	1.0	11	3.5	4.0
15...	1355	--	--	--	--	--	--	--	--	--	3.0
MAY											
06...	1315	1.3	140	--	--	--	--	--	--	4.0	12
JUN											
10...	1320	3.0	120	--	--	--	--	--	--	3.5	4.0
AUG											
05...	1320	3.1	210	--	3.0	1.3	3.0	.9	--	7.5	4.0
26...	1300	6.0	84	--	--	--	--	--	--	--	1.0
SEP											
02...	1205	--	28	--	--	--	--	--	--	--	3.0

07340520 COSSATOT RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1220	50	30	<.01	.010	.090	.050	<5	<10	<5
30...	1150	83	16	.06	.010	.130	.060	--	--	--
NOV										
27...	1150	62	6	<.01	.010	.140	.050	--	--	--
JAN										
15...	0915	60	35	.08	.020	.060	.140	--	<10	--
FEB										
12...	1445	70	13	.17	.010	.060	.040	--	--	--
MAR										
11...	1550	52	17	<.01	.010	.030	.050	--	--	--
APR										
15...	1450	48	34	.09	--	--	.110	18	<10	10
MAY										
13...	1320	91	104	.16	.030	.070	.140	--	--	--
JUN										
10...	1400	63	43	.14	.010	.040	--	--	--	--
JUL										
08...	1345	76	28	--	.010	.060	.140	--	<10	--
AUG										
05...	1430	245	245	.18	.020	.080	.080	--	--	--
SEP										
02...	1405	511	16	.03	<.010	.020	.020	--	--	--
30...	1340	99	46	--	--	--	.110	<5	<10	9

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1200	<20	280	20	65	10	.00	.00	.00	.00	.00
NOV											
13...	1300	--	--	--	--	--	.00	.00	.00	.00	.00
DEC											
11...	1400	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
15...	1310	<20	260	<10	40	<10	.00	.00	.00	.00	.00
APR											
15...	1335	<20	940	<10	83	<10	--	--	--	--	--
JUN											
10...	1320	--	--	--	--	--	.00	.00	.00	.00	.00
AUG											
05...	1320	<20	240	<10	83	<10	.00	.00	.00	.00	.00
26...	1300	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1200	.00	.00	.00	.00	0	.00
NOV							
13...	1300	.00	.00	.00	.00	0	.00
DEC							
11...	1400	.00	.00	.00	.00	0	.00
JAN							
15...	1310	.00	.00	.00	.00	0	.00
JUN							
10...	1320	.00	.00	.00	.00	0	.00
AUG							
05...	1320	.00	.00	.00	.00	0	.00
26...	1300	.00	.00	.00	.00	0	.00

07340990 DIERKS LAKE NEAR DIERKS, AR

LOCATION.--Lat 34°08'39", long 94°05'53", in NE 1/4 NW 1/4 sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam on Saline River, 3.1 mi (5.0 km) upstream from Bluff Creek, 5.0 mi (8.0 km) northwest of Dierks, and at mile 56.6 (91.1 km).
DRAINAGE AREA.--113 mi^2 (293 km^2).
PERIOD OF RECORD.--May 1975 to current year.
REVISED RECORDS.--WRD Ark. 1978: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).
REMARKS.--Lake is formed by rockfilled dam with an uncontrolled 780-ft (238-m) wide spillway located on the right abutment west of dam. The outlet works consist of a gate tower with two hydraulically operated slide gates, a 6-ft (1.8-m) by 9-ft (2.7-m) oblong conduit, a 24-in (610-mm) diameter pipe for low-flow augmentation, and a 30-in (762-mm) diameter pipe for water supply. Storage began May 8, 1975. Lake is used for flood control, water supply, water-quality control, fish and wildlife conservation, and recreation. Capacity below 512.0 ft (156.06 m) is 14,560 acre-ft (18.0 hm^3), and is inactive storage. Capacity between 512.0 ft (156.06 m) and 526.0 ft (160.32 m) is 15,090 acre-ft (18.6 hm^3), and is conservation storage of which 10,600 acre-ft (13.1 hm^3) is for water supply, and 4,490 acre-ft (5.54 hm^3) is for quality control. Capacity between 526.0 ft (160.32 m) and 557.5 ft (169.93 m) is 67,130 acre-ft (82.8 hm^3) and is for flood control. Figures given herein represent total contents. Data regarding dam and lake are shown in the following table:

	Elevation (ft)	Capacity (acre-ft)
Spillway crest	575.0 (175.26 m)	159,500 (197 hm^3)
Top of flood-control pool	557.5 (169.93 m)	96,780 (119 hm^3)
Top of conservation pool	526.0 (160.32 m)	29,650 (36.6 hm^3)
Top of inactive pool	512.0 (156.06 m)	14,560 (18.0 hm^3)
Bottom of lowest outlet	508.0 (154.84 m)	11,600 (14.3 hm^3)

COOPERATION.--Records furnished by Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximumn contents, 62,510 acre-ft (77.1 hm^3) Apr. 14, 1979, elevation, 544.32 ft (165.909 m); minimum since initial filling to conservation pool, 24,300 acre-ft (30.0 hm^3) Sept. 27, 1978, elevation, 521.80 ft (159.045 m).
EXTREMES FOR CURRENT YEAR.--Maximum contents, 37,030 acre-ft (45.7 hm^3) May 19, elevation, 531.01 ft (161.547 m); minimum, 24,300 acre-ft (30.0 hm^3) Sept. 27, elevation, 521.80 ft (159.045 m).

Capacity table (elevation, in feet, and contents, in acre-feet)

521	23,360	527	31,030
524	27,010	532	38,620
527	31,030		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29220	30180	30060	29920	29680	29690	30900	29960	30100	29340	27320	25320
2	29190	30140	30030	29580	29780	29690	30410	30160	29880	29290	27300	25280
3	29140	30030	29950	29640	29920	29760	29870	30510	29770	29200	27230	25260
4	29080	29880	29890	29730	30060	29830	29580	30650	29770	29150	27140	25200
5	29070	29740	29810	29850	30190	29850	29580	30610	29770	29080	27080	25160
6	29040	29640	29770	29950	30230	29910	29580	30260	29770	29000	27040	25100
7	29000	29640	29690	30000	30190	29930	29600	30120	29770	28950	26960	25060
8	28960	29640	29690	30070	32100	29990	29570	29960	29760	28870	26910	25020
9	28990	29830	29690	30150	33820	30000	29520	29780	29740	28800	26820	24980
10	28930	29890	29720	30200	34650	30060	29520	29690	29720	28730	26760	24950
11	28890	29960	29760	30200	34860	29950	29740	29570	29660	28660	26690	24910
12	28890	30030	30430	30080	34060	30100	29950	31780	29620	28570	26620	24840
13	28870	30070	31200	29930	33030	30120	30900	32780	29570	28500	26560	24790
14	28830	30080	31180	29780	31980	30120	32560	32450	29500	28440	26490	24760
15	28800	30100	30820	29650	31200	30080	33140	32630	29450	28380	26420	24710
16	28800	30120	30360	29650	30830	30480	32580	35200	29420	28360	26360	24660
17	28960	30140	29910	29690	30410	31060	31850	36460	29350	28240	26290	24660
18	29000	30200	29760	29740	29950	31030	31240	36930	29300	28150	26220	24600
19	29020	30250	29880	29830	29720	30710	30810	36740	29450	28080	26160	24560
20	29020	30300	30000	29960	29740	30360	30300	35680	29600	28010	26100	24500
21	29040	30720	30120	30970	29730	30120	29990	34500	29620	27950	26020	24440
22	29080	31230	30970	32340	29700	29990	29780	33380	29640	27820	25960	24420
23	29070	31390	33140	32690	29650	30030	29680	32450	29640	27830	25900	24400
24	29040	31370	35370	32260	29540	30190	29690	31660	29620	27760	25820	24360
25	29030	31240	36380	31420	29450	30000	30440	30830	29620	27700	25760	24360
26	29000	31000	36630	30470	29450	29650	30710	29950	29610	27750	25700	24310
27	28990	30750	35780	29450	29490	29540	30850	29500	29560	27690	25620	24640
28	28990	30510	34720	28950	29570	29720	30680	29540	29520	27630	25560	31340
29	28980	30270	33630	29190	29600	30220	30260	29990	29460	27570	25480	34240
30	29300	30150	32140	29410	---	31060	29920	30260	29410	27500	25440	35160
31	30030	---	30610	29560	---	31270	---	30250	---	27440	25370	---
MAX	30030	31390	36630	32690	34860	31270	33140	36930	30100	29340	27320	35160
MIN	28800	29640	29690	28950	29450	29540	29520	29500	29300	27440	25370	24310
(†)	526.28	526.37	526.70	525.93	525.96	527.17	526.20	526.44	525.82	524.33	522.69	529.81
(‡)	+760	+120	+460	-1,050	+40	+1,670	-1,350	+330	-840	-1,970	-2,070	-9,790

CAL YR 1979 MAX 62460 MIN 28800 -4,110
WTR YR 1980 MAX 36930 MIN 24310 +5,890

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

07341000 SALINE RIVER NEAR DIERKS, AR

LOCATION.--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, Hydrologic Unit 11140109, near left bank on downstream side of bridge on U.S. Highway 70, 3.5 mi (5.6 km) upstream from Holly Creek, 4.0 mi (6.4 km) southwest of Dierks, and at mile 50.7 (81.6 km).

DRAINAGE AREA.--121 mi^2 (313 km^2).

PERIOD OF RECORD.--May 1938 to September 1980 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

REVISED RECORDS.--WSP 1007: 1939-42. WSP 1211: Drainage area. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 353.09 ft (107.622 m) National Geodetic Vertical Datum of 1929. May 13, 1938, to Aug. 9, 1940, nonrecording gage and Aug. 10, 1940, to Aug. 30, 1951, water-stage recorder, at site 100 ft (30 m) upstream at present datum.

REMARKS.--Records good except those for periods of no gage-height record, Aug. 1 to Sept. 16, which are fair. Regulation since May 8, 1975, by Dierks Lake (station 07340990), 5.9 mi (9.5 km) upstream.

AVERAGE DISCHARGE.--42 years, 193 ft^3/s (5.47 m^3/s), 139,800 acre-ft/yr (172 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,200 ft^3/s (1,680 m^3/s) May 13, 1968, gage height, 22.95 ft (6.995 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of some time in 1920 reached a stage of 21.9 ft (6.68 m), from information by local resident, discharge, 42,000 ft^3/s (1,190 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,500 ft^3/s (42.5 m^3/s) Sept. 27, gage height, 8.79 ft (2.679 m); minimum daily, 6.1 ft^3/s (0.17 m^3/s) Dec. 10, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	50	64	468	13	9.0	535	239	171	26	24	24
2	13	132	63	323	13	9.0	533	208	169	26	24	25
3	13	122	63	61	12	9.0	533	179	114	26	24	22
4	13	118	63	12	12	9.0	309	177	33	26	24	19
5	7.0	118	63	11	12	8.7	97	235	32	25	24	15
6	6.5	91	63	11	39	8.4	97	315	30	25	24	15
7	6.5	9.2	59	11	92	8.4	97	286	30	25	24	14
8	6.5	7.4	9.5	10	243	8.4	96	254	31	25	24	14
9	6.5	11	6.2	9.7	154	8.2	70	199	30	25	24	14
10	6.5	10	6.1	9.6	119	27	39	131	30	25	23	14
11	6.5	8.7	6.1	44	328	70	53	130	29	25	23	14
12	6.5	8.4	15	107	823	76	43	156	28	25	23	14
13	6.5	8.4	500	107	925	73	130	211	28	25	23	14
14	6.5	7.9	350	107	915	76	88	596	28	24	23	14
15	6.5	8.2	400	107	724	77	219	716	28	24	23	14
16	7.0	9.4	380	79	372	105	672	339	28	24	23	14
17	13	10	350	29	369	160	766	264	28	24	23	15
18	20	12	176	27	367	335	604	241	28	24	23	17
19	11	14	13	27	259	418	397	413	32	24	23	16
20	9.0	15	9.5	32	110	418	394	847	31	24	23	16
21	8.0	24	9.1	143	109	289	301	966	28	25	23	15
22	8.0	25	41	374	108	185	195	976	29	25	23	14
23	8.0	55	94	460	108	193	141	811	28	24	23	14
24	7.8	171	66	691	107	337	57	572	27	24	23	16
25	7.7	169	29	799	80	452	129	566	27	24	23	15
26	7.5	203	202	791	40	434	211	562	27	25	24	34
27	7.7	237	796	782	40	261	203	351	27	27	24	811
28	11	162	1020	495	25	124	297	38	27	24	24	162
29	13	161	1010	19	12	114	404	42	26	24	24	76
30	12	120	1000	18	---	115	316	107	26	24	24	471
31	71	---	786	15	---	285	---	178	---	24	24	---
TOTAL	345.7	2097.6	7712.5	6179.3	6530	4702.1	8026	11305	1230	767	728	1952
MEAN	11.2	69.9	249	199	225	152	268	365	41.0	24.7	23.5	65.1
MAX	71	237	1020	799	925	452	766	976	171	27	24	811
MIN	6.5	7.4	6.1	9.6	12	8.2	39	38	26	24	23	14
AC-FT	686	4160	15300	12260	12950	9330	15920	22420	2440	1520	1440	3870

CAL YR 1979	TOTAL	109766.8	MEAN 301	MAX 1200	MIN 6.1	AC-FT	217700
WTR YR 1980	TOTAL	51575.2	MEAN 141	MAX 1020	MIN 6.1	AC-FT	102300

07341200 SALINE RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°57'43", long 94°03'40", in NW 1/4 SE 1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on State Highway 24, 2.0 mi (3.2 km) downstream from Brushy Creek, 6.0 mi (9.7 km) east of Lockesburg, and at mile 30.0 (48.3 km).

DRAINAGE AREA.--256 mi^2 (663 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good except for the period of no gage height record, Sept. 28-30, which is poor. Some regulation since May 1975 by Dierks Lake (station 07340990), 26.6 mi (43 km) upstream.

AVERAGE DISCHARGE.--17 years, 385 ft^3/s (10.9 m^3/s), 278,900 acre-ft/yr (344 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s (1,830 m^3/s) May 14, 1969, gage height, 20.86 ft (6.358 m), from rating curve extended above 23,000 ft^3/s (651 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^3/s (0.006 m^3/s) Nov. 6, 1963, Oct. 29, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft (7.83 m), from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,000 ft^3/s (368 m^3/s) Sept. 28, gage height, 16.7 ft (5.09 m) from floodmark; minimum daily, 6.7 ft^3/s (0.19 m^3/s) Oct. 9, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	160	83	649	130	57	713	337	393	31	22	21
2	16	100	65	568	103	56	714	390	316	30	22	22
3	15	120	64	194	95	52	687	860	285	30	22	22
4	14	105	64	93	90	51	649	458	140	29	22	18
5	14	102	63	60	88	54	235	321	89	28	22	14
6	13	101	63	53	102	50	174	430	76	28	21	14
7	9.2	68	63	50	145	46	169	409	68	28	21	13
8	6.8	22	56	47	751	45	162	428	69	27	21	13
9	6.7	24	24	43	3190	43	151	362	86	27	21	13
10	6.9	49	18	39	1030	39	100	196	72	27	21	13
11	6.9	36	18	39	541	65	88	172	60	26	21	13
12	7.2	25	27	91	1080	348	543	307	52	26	21	13
13	7.2	22	651	126	1260	322	958	804	48	26	21	13
14	6.9	20	376	125	1210	173	3040	728	43	26	21	13
15	6.7	19	505	124	1160	139	831	868	40	26	21	13
16	7.1	18	482	139	724	149	880	2350	39	25	22	13
17	14	18	456	116	588	739	1020	2290	38	25	21	13
18	94	18	280	88	563	612	987	894	37	25	21	13
19	33	18	115	71	544	616	647	507	46	25	21	13
20	18	19	42	77	256	587	568	890	98	25	20	14
21	14	27	36	520	210	553	529	1070	93	26	20	14
22	13	139	140	1640	196	290	286	1190	67	27	20	13
23	13	76	377	1730	185	276	254	1660	57	26	20	14
24	13	111	2040	1000	178	633	129	965	53	25	20	13
25	12	155	553	1080	171	680	325	770	47	25	20	14
26	11	149	218	1040	110	599	819	719	41	26	20	15
27	10	233	700	993	90	553	494	661	38	40	21	24
28	11	166	1090	941	80	379	381	150	35	45	21	7000
29	12	138	1100	274	59	433	557	84	33	27	21	3000
30	17	136	1090	133	---	869	520	707	32	23	21	2000
31	452	---	1060	165	---	443	---	726	---	23	21	---
TOTAL	897.6	2394	11919	12308	14929	9951	17610	22703	2591	853	650	12401
MEAN	29.0	79.8	384	397	515	321	587	732	86.4	27.5	21.0	413
MAX	452	233	2040	1730	3190	869	3040	2350	393	45	22	7000
MIN	6.7	18	18	39	59	39	88	84	32	23	20	13
AC-FT	1780	4750	23640	24410	29610	19740	34930	45030	5140	1690	1290	24600

CAL YR 1979	TOTAL	221254.6	MEAN 606	MAX 5960	MIN 6.7	AC-FT	438900	
WTR YR 1980	TOTAL	109206.6	MEAN 298	MAX 7000	MIN 6.7	AC-FT	216600	

07341200 SALINE RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 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 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1140	9827	9827	56	6.7	21.0	16.0	40	8.9	89
NOV										
13...	1325	9827	9827	78	6.8	15.0	9.0	50	9.3	80
DEC										
11...	1415	9827	9827	57	6.8	21.0	10.0	45	10.2	90
JAN										
15...	1340	9827	9827	55	7.3	20.0	9.0	30	10.9	94
FEB										
12...	1400	9827	9827	55	6.9	7.0	4.0	50	12.3	94
MAR										
11...	1350	9827	9827	104	7.1	18.0	12.0	5	10.4	96
APR										
15...	1315	9827	9827	64	6.8	24.0	12.0	100	9.7	90
MAY										
06...	1340	9827	9827	54	7.0	28.0	19.0	30	8.5	90
JUN										
10...	1420	9827	9827	80	7.2	42.0	23.0	60	7.0	80
AUG										
05...	1355	9827	9827	56	6.6	40.0	28.0	50	6.2	78
26...	1330	9827	9827	50	6.9	37.0	27.0	20	6.4	79
SEP										
02...	1230	9827	9827	56	--	36.0	26.0	10	5.9	72

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1140	6.3	36	22	5.1	1.7	3.7	2.0	18	6.0	3.0
NOV											
13...	1325	2.3	56	--	--	--	--	--	--	6.0	6.0
DEC											
11...	1415	1.8	76	--	--	--	--	--	--	4.5	5.0
JAN											
15...	1340	.7	60	--	4.0	1.0	3.0	2.0	18	4.5	9.0
FEB											
12...	1400	1.4	450	--	--	--	--	--	--	5.0	6.0
MAR											
11...	1350	2.5	56	--	--	--	--	--	--	7.5	11
APR											
15...	1315	2.7	>600	25	6.5	1.3	2.1	2.0	16	5.0	9.0
MAY											
06...	1340	1.7	180	--	--	--	--	--	--	5.0	15
JUN											
10...	1420	3.2	60	--	--	--	--	--	--	5.5	7.0
AUG											
05...	1355	3.6	120	--	3.0	1.8	4.0	1.0	--	12	7.0
26...	1330	4.7	160	--	--	--	--	--	--	--	1.0
SEP											
02...	1230	--	88	--	--	--	--	--	--	--	4.0

07341200 SALINE RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1140	--	8	.07	<.010	<.010	.060	<5	<10	<5
NOV										
13...	1325	71	6	.18	.010	--	.020	--	--	--
DEC										
11...	1415	46	1	.17	.010	.060	.030	--	--	--
JAN										
15...	1340	44	10	.31	.010	.070	.020	--	<10	--
FEB										
12...	1400	--	31	.31	.010	.090	.030	--	--	--
MAR										
11...	1350	69	3	.01	.010	.020	.050	--	--	--
APR										
15...	1315	65	23	.14	--	.010	.060	4	<10	7
MAY										
06...	1340	--	--	.22	.010	.020	.050	--	--	--
JUN										
10...	1420	61	14	.26	.010	.050	.020	--	--	--
AUG										
05...	1355	47	10	.08	.020	.120	.040	--	<10	--
26...	1330	50	9	.08	<.010	.020	.020	--	--	--
SEP										
02...	1230	45	5	.07	<.010	.010	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1140	<20	1100	10	35	<10	.00	.00	.00	.00	.00
NOV											
13...	1325	--	--	--	--	--	.00	.00	.00	.00	.00
DEC											
11...	1415	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
15...	1340	<20	680	<10	100	<10	.00	.00	.00	.00	.00
MAR											
11...	1350	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
15...	1315	<20	1700	<10	110	<10	--	--	--	--	--
JUN											
10...	1420	--	--	--	--	--	.00	.00	.00	.00	.00
AUG											
05...	1355	<20	480	<10	170	50	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
16...	1140	.00	.00	.00	.00	0	.00
NOV							
13...	1325	.00	.00	.00	.00	0	.00
DEC							
11...	1415	.00	.00	.00	.00	0	.00
JAN							
15...	1340	.00	.00	.00	.00	0	.00
MAR							
11...	1350	.00	.00	.00	.00	0	.00
JUN							
10...	1420	.00	.00	.00	.00	0	.00
AUG							
05...	1355	.00	.00	.00	.00	0	.00

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam on Little River, 9.2 mi (14.8 km) east of Ashdown, 9.6 mi (15.4 km) upstream from Hudson Creek, and at mile 16.0 (25.7 km).

DRAINAGE AREA.--4,119 mi^2 (10,670 km^2).

PERIOD OF RECORD.--August 1966 to current year. Prior to October 1969, published as "Millwood Reservoir near Ashdown."

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Lake is formed by earthfilled dam. Outlet works consist of two 5-ft (1.5-m) by 6-ft (1.8-m) rectangular sluices. Flows over the spillway are controlled by fourteen 40-ft (12.2-m) by 32-ft (9.8-m) taintor gates. Regulated storage began Aug. 16, 1966. Capacity between elevations 257.0 ft (78.33 m) and 287.0 ft (87.48 m) is 1,709,000 acre-ft (2,110 hm^3) and is reserved for flood-control storage. Lake is used for flood control, future water supply, water-quality control, and recreational purposes. Figures given herein represent total contents. Data regarding dam and lake are shown in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of flood-control pool.....	287.0 (87.48 m)	1,854,900 (2,290 hm^3)
Top of conservation pool.....	257.0 (78.33 m)	145,900 (180 hm^3)
Bottom of lowest outlet.....	223.0 (67.97 m)	393 (0.485 hm^3)

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,457,000 acre-ft (1,800 hm^3) May 22, 1968, elevation, 282.59 ft (86.133 m); minimum since initial filling to conservation pool, 96,000 acre-ft (118 hm^3) Sept. 26, 1971, elevation, 254.73 ft (77.642 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 331,000 acre-ft (408 hm^3) Dec. 27, elevation, 263.00 ft (80.162 m); minimum, 99,400 acre-ft (123 hm^3) Sept. 27, elevation, 254.90 ft (77.694 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

254	82.5	262	295.0
258	171.4	264	369.1

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207300	220400	202600	295600	209700	215300	222300	218900	224100	204100	213800	207600
2	205800	221400	202000	280100	211700	213200	218600	220400	225300	206400	215300	202300
3	205600	219200	202900	263000	212600	211500	219200	221100	223500	207900	215900	189200
4	205800	216200	204100	248900	208200	213500	215600	218600	218000	208800	215300	175200
5	205800	214700	207000	239000	207300	213500	213200	211700	211200	208800	214400	160900
6	207900	211700	208500	230000	206400	213200	211700	207600	212900	207000	212300	148600
7	208500	208800	209400	219800	207000	212300	211200	211400	222000	205300	210300	138600
8	207900	207000	209700	212300	221700	212000	210800	211200	227800	205600	208200	129500
9	208500	212000	210800	208200	249600	207900	208200	212900	223300	209400	207600	123200
10	208500	212300	211200	207900	285900	205600	205600	211200	219200	211400	205800	115500
11	208800	210800	212000	209400	304800	210300	210000	207900	215300	214400	205000	110800
12	209700	209100	217400	208500	302700	215000	218300	207000	207300	215900	204100	105800
13	210600	207600	220800	207900	298500	216200	236200	209400	205300	216800	203800	103400
14	211700	207300	224100	205000	298800	214400	257000	212600	205600	217400	204400	101600
15	211700	207000	225600	203500	300900	210800	268600	218000	206100	217700	205000	100600
16	211700	207300	226300	206100	297800	210000	270300	224700	204400	217700	205000	100000
17	215300	207600	223800	205800	288300	211200	261600	233700	204100	214400	205300	100200
18	217700	208800	221400	207300	272600	209100	255700	241600	204100	210800	205600	101000
19	220400	209400	218600	212600	260600	208500	250500	236800	205300	208500	205300	101000
20	218300	209100	215000	218900	248900	209100	238400	223800	208200	203800	205300	100200
21	217700	216800	215300	229300	237500	206100	225000	215000	220200	202300	207300	101600
22	218900	220200	221100	247600	227500	205600	214700	212000	231200	202000	207900	102200
23	216800	219800	244100	258700	224400	208500	208200	212600	230600	202000	207900	102000
24	216200	218000	269600	262300	222900	212600	205000	213800	224400	201800	208500	100400
25	216800	214700	304100	259000	213800	210300	210800	213500	220400	202900	208500	100000
26	215900	212300	325800	250900	209400	209700	216800	210800	218300	205600	208200	99600
27	217400	212900	328400	239400	209100	211200	221400	207300	215900	206700	209100	104200
28	218600	207900	318500	223500	211400	212900	221400	208500	213200	207600	209700	112100
29	215300	202000	314500	212900	213200	218300	218000	213500	209400	207600	210300	138900
30	216200	201800	309100	209100	---	225000	216800	219200	204100	208200	210000	173300
31	217100	---	303800	207900	---	227500	---	218900	---	211200	208800	---
MAX	220400	221400	328400	295600	304800	227500	270300	241600	231200	217700	215900	207600
MIN	205600	201800	202000	203500	206400	205600	205000	207000	204100	201800	203800	99600
(†)	259.61	259.09	262.25	259.30	259.48	259.95	259.60	259.67	259.17	259.41	259.33	258.07
(‡)	+10,400	-15,300	+102,000	-95,900	+5,300	-14,300	-10,700	+2,100	-14,800	+7,100	-2,400	-35,500

CAL YR 1979 MAX 376200 MIN 194300 +62,200
WTR YR 1980 MAX 328400 MIN 99600 -33,400

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam, 9.2 mi (14.8 km) east of Ashdown, 9.6 mi (15.4 km) upstream from Hudson Creek, and at mile 16.0 (25.7 km).

DRAINAGE AREA.--4,119 mi^2 (10,670 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year. Records for October 1965 to September 1966, published in WRD Ark. 1968, are unreliable and should not be used.

REVISED RECORDS.--WRD Ark. 1969: 1967-68. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Discharge computations based on gate openings and head and tailwater elevations at Millwood Dam. Flow completely regulated since Aug. 16, 1966, by Millwood Lake (station 07341300).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--14 years, 6,388 ft^3/s (181 m^3/s), 4,628,000 acre-ft/yr (5,710 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67,300 ft^3/s (1,910 m^3/s) May 13, 1973, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily dischage, 21,400 ft^3/s (606 m^3/s) Dec. 29; minimum daily, 165 ft^3/s (4.67 m^3/s) July 26 to Aug. 4 and Aug. 12-26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	2980	912	20500	6760	3390	8440	6440	12200	1980	165	672
2	432	3540	912	19900	5900	3380	8270	6440	13900	1890	165	3550
3	296	3540	516	18800	5900	3350	8150	6440	15100	1890	165	7380
4	200	3540	208	14400	5900	3340	5730	6440	14800	1890	165	8450
5	200	3540	208	11100	5900	4450	3460	8120	14200	1890	767	8960
6	200	3540	208	10900	5820	5310	3420	6320	9580	1890	1420	7880
7	200	2980	208	10600	4860	5280	3390	3780	5020	943	1420	6580
8	200	2890	208	10200	4500	5260	3370	3890	5160	208	1420	5630
9	200	2830	208	7620	4800	5220	3320	3890	6800	208	1410	4480
10	200	2830	208	5070	5190	3270	3300	3890	7810	822	1410	4080
11	200	2830	208	4540	9690	1910	2160	3890	7640	1160	655	3620
12	200	2830	952	4100	16000	1960	1400	3890	7470	1160	165	2740
13	200	1670	3010	4100	17100	3180	1490	3890	4950	1160	165	1830
14	200	912	5700	3500	17100	3870	5510	3890	2360	1200	165	1570
15	200	912	6750	2790	17100	3850	14300	4500	2360	1230	165	706
16	200	501	6750	2790	17100	3820	18500	10900	2360	2630	165	196
17	200	208	6640	2790	16800	3820	18300	12700	2360	3550	165	196
18	952	208	6480	1850	16300	3820	16000	13000	2360	3450	165	196
19	1440	208	6370	935	15800	3810	13700	15900	2360	3340	165	196
20	1440	208	6250	980	14800	3780	13300	15900	1830	3320	165	211
21	1440	208	3170	3350	14200	3230	12700	16900	2420	1560	165	242
22	1440	208	1220	8550	10600	1890	10600	14900	2570	208	165	262
23	1440	1900	1300	15100	6170	1900	7470	13500	4450	208	165	229
24	1440	3510	1410	18900	6090	1910	3880	12300	5780	208	165	196
25	1440	3390	1540	18800	5910	3590	1440	8550	5640	190	165	196
26	1440	3300	5180	18400	5700	4810	1460	6290	5520	165	165	199
27	1440	3300	13600	17700	4240	4780	1490	6290	5390	165	173	302
28	1440	3300	20300	17100	3320	3050	3950	4770	5320	165	517	808
29	2350	3300	21400	15600	3340	1960	6520	3840	5260	165	728	3770
30	2950	1530	21200	11500	---	2030	6440	6890	3960	165	706	8440
31	2950	---	20900	8710	---	5360	---	12000	---	165	633	---
TOTAL	27562	66643	164126	311175	272890	110580	211460	250340	186930	39175	14394	83767
MEAN	889	2221	5294	10040	9410	3567	7049	8075	6231	1264	464	2792
MAX	2950	3540	21400	20500	17100	5360	18500	16900	15100	3550	1420	8960
MIN	200	208	208	935	3320	1890	1400	3780	1830	165	165	196
AC-FT	54670	132200	325500	617200	541300	219300	419400	496500	370800	77700	28550	166200

CAL YR 1979 TOTAL 3349187.00 MEAN 9176 MAX 36300 MIN .00 AC-FT 6643000
WTR YR 1980 TOTAL 1739042.00 MEAN 4751 MAX 21400 MIN 165 AC-FT 3449000

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to current year.
WATER TEMPERATURES: October 1979 to September 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos Oct. 17, 1979; minimum, 48 micromhos Apr. 26, 1980.
WATER TEMPERATURES: Minimum daily 6.0°C Dec. 18, 1979, Feb. 4, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos Oct. 17; minimum daily, 48 micromhos Apr. 26.
WATER TEMPERATURES: Minimum daily, 6.0°C Dec. 18, Feb. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
10...	1300	1028	1028	208	74	7.3	20.0	1.0	9.6	104	K27	K15
NOV												
07...	1300	1028	1028	3000	75	7.1	15.0	5.5	10.0	98	6	K2
DEC												
03...	1230	1028	1028	208	75	8.2	7.0	5.7	13.1	108	2	K3
JAN												
08...	1230	1028	1028	10100	57	7.2	6.5	16	15.0	121	7	K15
FEB												
04...	1400	1028	1028	5000	72	7.0	4.0	5.3	13.6	104	10	K1
MAR												
03...	1215	1028	1028	2850	66	7.4	6.5	29	11.8	96	1	<1
APR												
28...	1130	1028	1028	3440	89	7.5	17.5	20	10.0	104	7	<1
JUN												
03...	0830	1028	1028	12800	64	6.8	26.0	11	8.4	102	150	390
24...	0900	1028	1028	4910	65	7.4	27.0	6.2	--	--	K23	58
JUL												
22...	0715	1028	1028	200	83	7.9	30.5	1.6	6.8	89	K7	--
SEP												
04...	0720	1028	1028	6670	91	7.4	28.0	7.6	8.0	101	0	K1300

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
10...	23	7	6.9	1.4	4.7	29	.4	1.7	16	9.6	5.2
NOV											
07...	21	8	6.2	1.3	6.6	45	.6	1.5	13	7.2	8.5
DEC											
03...	20	4	6.1	1.1	5.5	36	.5	1.4	16	5.8	8.0
JAN											
08...	14	0	3.7	1.2	2.7	27	.3	1.3	24	4.0	3.4
FEB											
04...	24	6	7.3	1.5	4.1	25	.4	1.8	18	7.5	4.4
MAR											
03...	16	0	4.9	1.0	4.4	35	.5	1.2	16	7.0	4.0
APR											
28...	26	6	7.8	1.5	3.9	23	.3	1.6	20	8.0	4.5
JUN											
03...	18	1	4.9	1.3	3.7	30	.4	1.2	17	3.1	4.2
24...	18	0	5.2	1.2	2.8	24	.3	1.2	28	2.7	3.3
JUL											
22...	26	4	7.9	1.6	4.4	25	.4	1.5	22	7.2	4.8
SEP											
04...	28	3	8.2	1.8	4.9	26	.4	1.5	25	1.4	6.4

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
10...	.1	9.3	56	49	.08	31.4	.05	.010	.79	.80	.29
NOV											
07...	.1	7.4	61	47	.08	494	.62	.020	.60	.62	.05
DEC											
03...	.1	6.1	110	44	.15	61.8	.00	.050	.51	.56	.00
JAN											
08...	.0	6.0	45	38	.06	1230	.18	.110	1.1	1.2	.10
FEB											
04...	.0	6.2	56	45	.08	756	.25	.040	.41	.45	.12
MAR											
03...	.1	9.3	37	43	.05	285	.17	.080	.42	.50	.00
APR											
28...	.1	4.4	54	44	.07	502	.02	.010	.75	.76	.29
JUN											
03...	.0	6.3	42	35	.06	1450	.05	.030	.40	.43	.17
24...	.1	6.1	53	40	.07	703	.06	.070	1.3	1.4	.10
JUL											
22...	.3	7.2	54	48	.07	29.2	.00	.020	2.7	2.7	2.3
SEP											
04...	.1	10	68	49	.09	1230	.00	.000	1.1	1.1	.41

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
10...	.51	.85	3.8	.030	.000	--	4.2	.9	24	13	70
NOV											
07...	.57	1.2	5.5	.030	.010	5.8	--	--	10	81	70
DEC											
03...	.71	.56	2.5	.020	.010	4.4	--	--	11	6.2	87
JAN											
08...	1.1	1.4	6.1	.010	.020	--	5.5	.3	10	273	85
FEB											
04...	.33	.70	3.1	.050	.010	5.0	--	--	13	175	78
MAR											
03...	1.5	.67	3.0	.070	.020	6.1	--	--	38	292	92
APR											
28...	.47	.78	3.5	.060	.030	--	6.9	.3	11	102	94
JUN											
03...	.26	.48	2.1	.050	.020	9.0	--	--	22	760	43
24...	1.3	1.5	6.5	.040	.030	6.2	--	--	17	225	76
JUL											
22...	.45	2.7	12	.050	.020	--	9.6	.3	2	1.1	62
SEP											
04...	.69	1.1	4.9	.060	.010	8.3	--	--	16	288	79

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
10...	1300	1	1	0	0	20	0	0	<1	20
NOV										
07...	1300	--	--	--	--	--	--	--	--	--
JAN										
08...	1230	0	0	200	200	10	0	0	<1	0
FEB										
04...	1400	--	--	--	--	--	--	--	--	--
APR										
28...	1130	1	0	100	80	20	1	--	<1	0
JUN										
03...	0830	--	--	--	--	--	--	--	--	--
JUL										
22...	0715	2	1	10	0	10	2	0	2	10
SEP										
04...	0720	--	--	--	--	--	--	--	--	--

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 10...	10	10	0	0	<3	1	0	1	480	--
JAN 08...	0	0	1	0	<3	0	0	0	590	380
APR 28...	0	0	0	--	<3	5	1	4	780	650
JUL 22...	10	0	1	--	<3	8	8	0	260	220

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 10...	20	4	3	1	160	160	2	.0	.0	.0
JAN 08...	210	5	3	2	50	30	20	.0	.0	.0
APR 28...	130	8	0	8	80	80	5	1.1	.6	.5
JUL 22...	40	7	7	0	350	340	10	.3	.2	.1

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 10...	0	0	0	0	0	0	20	20	<3
NOV 07...	--	--	--	0	--	--	--	--	--
JAN 08...	0	0	0	0	0	0	--	--	<3
FEB 04...	--	--	--	0	--	--	--	--	--
APR 28...	0	0	1	0	0	0	20	--	<3
JUN 03...	--	--	--	0	--	--	--	--	--
JUL 22...	1	0	1	0	0	0	40	40	5
SEP 04...	--	--	--	0	--	--	--	--	--

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	80	76	---	52	66	68	77	77			
2	67	72	83	---	57	92	69	57	75			
3	67	73	77	---	57	57	91	57	76			
4	71	66	89	---	54	58	84	75	58			
5	65	73	92	---	58	59	82	74	76			
6	71	74	83	---	57	60	78	75	76			
7	70	69	83	---	59	56	81	76	76			
8	64	69	83	69	58	60	63	65	75			
9	71	72	82	50	89	70	84	64	66			
10	70	78	77	59	57	61	66	75	75			
11	68	72	87	58	55	63	80	75	74			
12	71	76	75	55	58	59	76	81	74			
13	65	70	80	54	57	63	82	76	54			
14	71	76	85	54	54	67	63	69	78			
15	73	76	87	54	57	59	78	66	75			
16	66	76	---	54	61	59	83	62	76			
17	110	79	92	54	---	59	83	74	75			
18	75	72	82	57	58	60	65	77	49			
19	72	76	82	53	54	59	59	62	77			
20	---	79	83	51	55	57	75	80	75			
21	71	66	83	61	55	59	67	58	75			
22	72	76	89	51	53	79	61	75	57			
23	72	75	88	60	---	63	72	76	76			
24	109	71	84	54	---	67	64	77	58			
25	109	---	---	54	---	64	70	76	68			
26	78	76	---	54	56	79	48	77	68			
27	71	76	---	52	59	79	61	75	77			
28	71	76	---	59	56	81	56	77	73			
29	80	77	---	65	62	70	68	78	79			
30	70	75	---	54	---	---	52	76	56			
31	70	---	---	61	---	---	---	---	---			
MEAN	74	74	84	56	58	65	71	72	71			

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0				---	10.0	14.0	20.0	27.0	32.5	31.5	29.0
2	24.0				---	10.0	14.5	20.0	26.0	32.5	32.0	29.0
3	25.0				---	8.0	17.0	22.0	---	33.0	32.0	29.0
4	24.0				---	9.0	17.0	21.0	28.0	33.0	31.0	29.0
5	24.5				---	9.0	17.0	20.0	28.0	34.0	30.5	31.5
6	24.5				---	9.5	18.0	21.5	28.0	33.0	30.5	29.5
7	24.0				---	10.5	18.0	22.0	29.0	33.0	31.0	29.0
8	24.0				---	12.0	18.0	22.0	29.0	33.0	31.0	32.0
9	23.5				---	14.0	18.0	21.5	27.0	33.0	33.0	32.0
10	23.0				---	13.0	18.0	22.0	28.0	32.5	33.0	29.0
11	22.0				---	14.0	19.0	23.0	27.0	33.0	34.0	29.0
12	22.0				---	12.0	18.0	23.0	27.0	33.0	34.0	29.5
13	21.0				---	13.5	15.0	23.0	28.0	33.0	31.0	29.0
14	21.0				5.0	14.0	12.0	23.0	28.0	32.5	31.0	29.0
15	21.0				7.0	13.0	11.0	21.0	29.0	32.5	32.0	28.5
16	20.5				6.0	14.5	13.0	20.0	29.0	33.0	31.0	31.0
17	20.0				6.0	15.0	14.0	20.0	30.0	34.0	30.0	28.0
18	20.5				7.0	14.0	15.0	21.0	29.5	33.0	30.0	28.0
19	21.0				6.0	13.0	15.0	22.0	29.5	32.5	30.5	27.0
20	21.0				8.0	13.0	19.0	24.0	29.0	33.0	30.0	27.0
21	21.0				9.0	13.0	18.0	24.0	29.0	33.0	30.0	28.0
22	---				10.0	14.0	19.0	24.0	29.0	32.0	31.0	28.0
23	---				10.0	14.5	19.0	25.0	28.0	31.0	30.0	29.0
24	---				11.0	13.0	19.5	25.0	29.0	31.0	29.5	28.0
25	---				11.0	14.0	20.0	26.0	30.0	30.5	30.0	28.0
26	---				10.0	14.0	20.0	25.0	29.5	31.0	30.0	27.0
27	---				10.0	14.0	20.0	27.0	32.0	30.0	31.0	25.0
28	---				11.0	13.5	19.0	25.0	32.5	29.0	29.0	23.0
29	---				12.0	14.5	19.0	25.0	32.0	30.0	29.0	21.0
30	---				---	14.0	19.5	25.5	32.5	31.5	28.0	21.0
31	---				---	14.0	---	26.0	---	32.0	28.5	---
MEAN	22.5				8.5	12.5	17.0	23.0	29.0	32.5	31.0	28.0

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 7,79	MAR 3,80	JUN 3,80	JUN 24,80	JUL 22,80	SEP 4,80
TIME	1300	1215	0830	0900	0715	0720
TOTAL CELLS/ML	16000	2900	7700	7000	23000	200000
DIVERSITY: DIVISION	1.3	0.7	1.2	1.5	0.1	0.3
.CLASS	1.3	0.7	1.2	1.6	0.1	0.3
..ORDER	2.0	1.1	1.9	2.4	0.2	1.2
...FAMILY	2.7	1.3	2.5	2.7	1.1	1.8
....GENUS	3.7	2.3	2.8	3.0	1.9	2.6

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	*	0	--	-	--	-	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	120	2	--	-	--	-	*	0
...HYDRODICTYACEAE												
....PEDIASTRUM	540	3	--	-	--	-	220	3	*	0	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	50	1	*	0	--	-	--	-
....MICRACTINIUM	--	-	--	-	67	1	--	-	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	800	5	240	8	190	2	86	1	*	0	*	0
....CHLORELLA	--	-	--	-	--	-	52	1	--	-	--	-
....CHODATELLA	--	-	--	-	*	0	--	-	--	-	--	-
....DICTYOSPHAERIUM	600	4	--	-	--	-	470	7	--	-	1200	1
....GLOEOACTINIUM	*	0	--	-	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	130	1	17	1	--	-	--	-	--	-	--	-
....OOCYSTIS	130	1	--	-	*	0	*	0	--	-	*	0
....SELENASTRUM	370	2	--	-	100	1	--	-	--	-	*	0
....TETRAEDRON	*	0	--	-	*	0	*	0	--	-	--	-
....WESTELLA	800	5	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	--	-	270	3	--	-	--	-	--	-
....CRUCIGENIA	540	3	69	2	67	1	69	1	--	-	--	-
....SCENEDESMUS	1800	12	69	2	170	2	360	5	*	0	1500	1
....TETRASTRUM	*	0	--	-	67	1	--	-	--	-	--	-
..TETRASPORALES												
...COCCOMYXACEAE												
....ELAKATOTHRIX	--	-	35	1	*	0	--	-	--	-	--	-
...PALMELLACEAE												
....SPHAEROCYSTIS	--	-	--	-	--	-	220	3	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	100	1	17	1	120	2	52	1	*	0	*	0
..ZYGNEMATALES												
...DESMIDIACEAE												
....EUASTRUM	*	0	--	-	--	-	--	-	--	-	*	0
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	370	2	1100#	38	240	3	*	0	*	0	*	0
....MELOSIRA	540	3	1100#	38	270	3	1700#	24	*	0	*	0
....THALASSIOSIRA	--	-	86	3	--	-	--	-	--	-	--	-
..PENNALES												
...ACHNANTHACEAE												
....ACHNANTHES	*	0	--	-	--	-	--	-	--	-	--	-
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	--	-	84	1	--	-	--	-	--	-
....SYNEDRA	*	0	69	2	50	1	--	-	--	-	*	0
...NAVICULACEAE												
....NAVICULA	--	-	17	1	--	-	--	-	--	-	--	-
...NITZSCHIACEAE												
....NITZSCHIA	470	3	52	2	130	2	280	4	*	0	1100	1
.XANTHOPHYCEAE												
..HETEROCOCCALES												
...CHLOROTHECIACEAE												
....OPHIOCYTIUM	--	-	--	-	--	-	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	--	-	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	NOV 7,79 1300		MAR 3,80 1215		JUN 3,80 0830		JUN 24,80 0900		JUL 22,80 0715		SEP 4,80 0720	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	3400#	22	--	-	--	-	1600#	22	140	1	9700	5
....ANACYSTIS	1600	10	--	-	1200#	15	330	5	*	0	53000#	27
....COCCOCHLORIS	--	-	--	-	--	-	--	-	--	-	*	0
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	2100	14	--	-	640	8	1500#	21	2600	11	33000#	17
....ANABAENOPSIS	--	-	--	-	--	-	--	-	4200#	19	4500	2
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	--	-	12000#	51	36000#	18
....OSCILLATORIA	1000	6	--	-	3800#	49	--	-	3700#	17	53000#	27
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	--	-	--	-	*	0
....TRACHELOMONAS	--	-	35	1	*	0	--	-	*	0	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...GLENODINIACEAE												
....GLENODINIUM	--	-	--	-	*	0	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07341500 RED RIVER AT FULTON, AR

LOCATION.--Lat 33°36'26", long 93°48'56", in NE 1/4 SE 1/4 sec.20, T.13 S., R.26 W., Hempstead-Miller County line, Hydrologic Unit 11140201, near left bank on downstream side of bridge on U.S. Highway 67 at Fulton, 0.2 mi (0.3 km) downstream from Missouri Pacific Railroad Co. bridge, 2.5 mi (4.0 km) downstream from Little River, and at mile 463.0 (745.0 km).

DRAINAGE AREA.--52,336 mi^2 (135,550 km^2), of which 5,936 mi^2 (15,374 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. January 1932 to May 1934 monthly discharge only, published in WSP 1311. Prior to October 1949, published as "at Garland." Gage heights collected in the present vicinity since October 1885 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Sept. 30, 1949, water-stage recorder, at Garland 39.0 mi (62.8 km) downstream at different datum. Oct. 1, 1949, to Dec. 31, 1966, nonrecording gage at present site. Oct. 1, 1949, to Dec. 31, 1976, at datum 224.94 ft (68.562 km) higher.

REMARKS.--Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 263 mi (423 km) upstream, capacity, 5,530,30 acre-ft (6,820 hm^3), and by Millwood Lake (station 07341300), since Aug. 16, 1966.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years, 17,290 ft^3/s (490 m^3/s), 12,530,000 acre-ft/yr (15,400 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 338,000 ft^3/s (9,570 m^3/s) Feb. 24, 1938, elevation, 261.39 ft (79.672 m), present site and datum; maximum elevation, 262.3 ft (79.95 m) Apr. 2, 1945, present site and datum; minimum discharge, 390 ft^3/s (11.0 m^3/s) Oct. 26, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43,600 ft^3/s (1,230 m^3/s) June 8, gage height, 14.07 ft (4.289 m); minimum daily, 1,800 ft^3/s (51.0 m^3/s) July 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2800	3500	3200	22000	11000	8100	11000	8000	17000	7700	1900	2500
2	3300	3500	3100	21000	9100	8600	11000	10000	18000	7400	1900	2900
3	3700	3500	2900	21000	9400	9100	11000	12000	32000	6300	1900	8000
4	3700	3500	2700	20000	9800	8300	11000	12000	37000	5300	2700	11000
5	3100	3500	2600	14000	8600	7300	6400	12000	32000	4300	3500	12000
6	3200	3500	2400	13000	7800	9000	6100	14000	28000	4400	4800	11000
7	3200	4100	2500	11000	7900	9700	6100	11000	32000	5200	4700	9400
8	3100	4400	2800	11000	6700	9700	6500	13000	43000	4200	4300	8100
9	3200	4100	2900	10000	8500	9700	7400	14000	36000	4000	4000	7100
10	3200	4100	2900	5800	12000	8600	7500	13000	32000	3300	3800	6000
11	3200	3800	2500	5700	15000	4300	7000	11000	30000	3600	3700	6100
12	3300	3900	3100	4900	22000	3900	5300	8500	28000	3500	3400	6300
13	3300	3800	4300	4700	25000	3600	4900	7200	25000	3300	3600	4800
14	3200	3700	5800	4600	25000	5200	7800	6900	19000	3600	3600	4400
15	3300	4200	6600	3900	25000	5400	18000	6300	18000	5300	3800	4400
16	3300	4000	6800	4500	23000	5100	24000	13000	18000	6000	3900	3500
17	3300	3200	6700	4500	22000	4900	25000	15000	15000	7400	3600	3700
18	3200	3000	6400	4300	21000	4800	24000	16000	14000	7000	3800	4000
19	3100	3100	6200	2800	19000	4600	21000	18000	11000	6300	4300	4400
20	3200	3200	6200	2800	18000	4500	21000	25000	10000	5800	4500	3800
21	3300	3400	5600	4000	17000	4700	19000	26000	13000	5800	3900	3000
22	3300	3800	4100	11000	18000	3500	17000	25000	19000	3700	3700	2800
23	3300	4200	4100	21000	13000	3100	12000	20000	21000	3600	3600	3200
24	3300	3900	5700	28000	12000	3100	9000	20000	22000	3200	3500	3000
25	3500	3600	7900	28000	11000	3500	5500	18000	19000	3200	3500	2800
26	3500	3700	11000	25000	11000	5800	5400	13000	17000	2500	3600	2700
27	3500	3900	16000	24000	10000	5500	5200	12000	14000	2300	3800	2400
28	3500	4200	19000	22000	9200	5600	5100	12000	13000	1900	3800	2700
29	3500	4400	21000	21000	8400	3900	8700	9800	12000	2000	3700	4300
30	3500	4100	21000	17000	---	4000	8200	9900	11000	2000	3000	11000
31	3500	---	21000	14000	---	4500	---	16000	---	1800	2500	---
TOTAL	102600	112800	219000	406500	415400	181600	337100	427600	656000	135900	110300	161300
MEAN	3310	3760	7065	13110	14320	5858	11240	13790	21870	4384	3558	5377
MAX	3700	4400	21000	28000	25000	9700	25000	26000	43000	7700	4800	12000
MIN	2800	3000	2400	2800	6700	3100	4900	6300	10000	1800	1900	2400
AC-FT	203500	223700	434400	806300	823900	360200	668600	848100	1301000	269600	218800	319900

CAL YR 1979	TOTAL	6224300	MEAN	17050	MAX	55000	MIN	2400	AC-FT	12350000
WTR YR 1980	TOTAL	3266100	MEAN	8924	MAX	43000	MIN	1800	AC-FT	6478000

07341500 RED RIVER AT FULTON, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947, 1952-61, January 1977 to January 1980 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1946 to September 1947, October 1952 to September 1961.
WATER TEMPERATURES: October 1946 to September 1947, October 1952 to September 1961.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,210 micromhos Oct. 5, 1956; minimum daily, 49 micromhos Mar. 8, 1953.
WATER TEMPERATURES: Maximum daily, 31.0°C July 30, 1955; minimum daily, 1.0°C Jan. 28, 29, 1961.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO JANUARY 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 10...	1130	1028	1028	1715	8.0	20.0	18	8.7	94	53	64
NOV 07...	1100	1028	1028	609	8.1	15.0	9.1	10.0	98	37	51
DEC 03...	1130	1028	1028	775	8.3	10.5	11	10.2	91	K33	110
JAN 08...	1045	1028	1028	220	7.7	7.0	16	11.5	93	31	31

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 10...	340	210	93	27	210	57	4.9	6.8	130	210	320
NOV 07...	150	59	40	11	66	49	2.4	3.6	86	59	86
DEC 03...	200	18	53	16	71	43	2.2	3.4	180	70	96
JAN 08...	57	14	16	4.2	20	51	1.2	2.1	43	25	26

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT 10...	.3	5.0	1030	951	1.40	.02	.020	1.4	1.4	.80
NOV 07...	.1	6.4	336	324	.46	.42	--	--	2.5	1.6
DEC 03...	.2	6.4	468	424	.64	.04	.100	.71	.81	.33
JAN 08...	.1	5.3	145	126	.20	.17	.040	1.3	1.3	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 10...	.60	1.4	6.3	.050	.000	--	4.6	1.6	30	81
NOV 07...	.90	2.9	13	.070	.030	13	--	--	26	69
DEC 03...	.48	.85	3.8	.060	.010	10	--	--	25	74
JAN 08...	1.1	1.5	6.5	.070	.020	--	8.4	.7	23	70

07341500 RED RIVER AT FULTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO JANUARY 1980

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 10...	1130	1	1	200	0	200	0	0	<1	20
NOV 07...	1100	--	--	--	--	--	--	--	--	--
JAN 08...	1045	--	--	200	200	40	0	0	<1	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT 10...	10	10	0	0	<3	5	4	1	360	--
JAN 08...	10	0	1	0	<3	0	0	0	730	560

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 10...	20	4	3	1	100	60	40	.0	.0	.1
JAN 08...	170	4	1	3	70	40	30	.0	.0	.0

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 10...	0	0	0	0	0	0	20	20	<3
NOV 07...	--	--	--	0	--	--	--	--	--
JAN 08...	0	0	0	0	0	0	--	--	4

07341500 RED RIVER AT FULTON, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JANUARY 1980

DATE	NOV 7,79
TIME	1100
TOTAL CELLS/ML	84000
DIVERSITY: DIVISION	0.8
.CLASS	0.8
. ORDER	1.3
...FAMILY	1.6
....GENUS	1.8

ORGANISM	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...HYDRODICTYACEAE		
....PEDIASTRUM	1500	2
...OOCYSTACEAE		
....ANKISTRODESMUS	1900	2
....CHODATELLA	*	0
....DICTYOSPHAERIUM	3000	4
....GLOEOACTINIUM	*	0
....OOCYSTIS	560	1
....SELENASTRUM	*	0
...SCENEDESMACEAE		
....ACTINASTRUM	*	0
....SCENEDESMUS	1500	2
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	*	0
..ZYGNEMATALES		
...DESMIDIACEAE		
....EUASTRUM	*	0
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	1100	1
....MELOSIRA	740	1
..PENNALES		
...ACHNANTHACEAE		
....ACHNANTHES	*	0
...FRAGILARIACEAE		
....SYNEDRA	*	0
...NITZSCHIACEAE		
....NITZSCHIA	1500	2
CRYPTOPHYTA (CRYPTOMONADS)		
.CRYPTOPHYCEAE		
..CRYPTOMONADALES		
...CRYPTOCHRYSIDACEAE		
....CHROOMONAS	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	4500	5
....ANACYSTIS	3600	4
..HORMOGONALES		
...NOSTOCACEAE		
....ANABAENOPSIS	1100	1
...OSCILLATORIACEAE		
....OSCILLATORIA	61000#	73
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	*	0
PYRRHOPHYTA (FIRE ALGAE)		
.DINOPHYCEAE		
..PERIDINIALES		
...GLENODINIACEAE		
....GLENODINIUM	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°14'32", long 93°59'58", in SE 1/4 SE 1/4 sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi (21.7 km) south of Texarkana.

DRAINAGE AREA.--3,540 mi^2 (9,170 km^2).

PERIOD OF RECORD.--October 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to current year.
WATER TEMPERATURES: July 1979 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,030 micromhos Apr. 23, 1980; minimum daily, 64 micromhos Apr. 15, 1980.
WATER TEMPERATURES: Maximum daily, 34.0°C Jul. 5, 17, Aug. 11, 12, 1980; minimum daily, 5.0°C Feb. 14, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,030 micromhos Apr. 23; minimum daily, 64 micromhos Apr. 15.
WATER TEMPERATURES: Maximum daily, 34.0°C Jul. 5, 17, Aug. 11, 12; minimum daily, 5.0°C Feb. 14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 10...	1500	1028	1028	440	7.5	20.0	13	--	--	28	570
NOV 07...	1500	1028	1028	198	7.2	16.0	8.4	8.1	82	9	32
DEC 03...	1530	1028	1028	185	8.1	8.0	2.9	13.0	109	12	85
JAN 08...	1500	1028	1028	185	7.6	7.0	35	10.1	83	64	280
FEB 07...	1430	1028	1028	195	7.2	6.0	60	--	--	>170	K4
MAR 03...	1400	1028	1028	180	7.3	8.5	48	8.0	68	55	<1
APR 28...	1330	1028	1028	425	7.6	19.0	14	9.0	97	75	40
JUN 03...	1200	1028	1028	205	7.0	26.0	36	7.3	89	110	170
24...	1200	1028	1028	143	7.5	30.0	170	--	--	K40	K240
JUL 22...	1000	1028	1028	218	8.4	31.0	19	6.0	80	K13	--
SEP 04...	0940	1028	1028	240	7.7	29.0	43	5.1	65	9	37

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 10...	97	24	34	2.9	50	51	2.2	4.9	73	41	63
NOV 07...	69	10	23	2.7	12	29	.6	4.0	59	17	13
DEC 03...	62	0	21	2.4	10	25	.6	3.0	62	14	11
JAN 08...	57	8	18	2.8	13	36	.8	3.7	49	21	13
FEB 07...	56	11	19	2.0	18	39	1.1	3.9	45	24	24
MAR 03...	44	6	14	2.2	12	36	.8	2.6	38	20	12
APR 28...	80	31	27	3.1	49	56	2.4	4.0	49	73	57
JUN 03...	60	18	19	3.0	12	29	.7	3.2	42	21	13
24...	40	0	12	2.5	9.7	33	.7	1.8	56	8.3	11
JUL 22...	67	7	22	3.0	13	28	.7	3.9	60	18	14
SEP 04...	80	10	25	4.3	23	37	1.1	4.2	70	18	20

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT										
10...	.2	1.7	259	242	.35	.04	.160	1.1	1.3	.34
NOV										
07...	.2	1.8	136	109	.19	.02	.040	1.2	1.2	.10
DEC										
03...	.1	3.3	125	102	.17	.00	.050	.90	.95	.20
JAN										
08...	.1	6.3	133	109	.18	.20	.100	1.6	1.7	.50
FEB										
07...	.1	7.3	150	127	.20	.26	.160	.36	.52	.00
MAR										
03...	.1	7.2	104	94	.14	.23	.060	.94	1.0	.02
APR										
28...	.1	5.0	261	248	.36	.06	.260	1.0	1.3	.30
JUN										
03...	.1	4.1	126	101	.17	.10	.040	2.5	2.5	.60
24...	.2	4.7	104	85	.14	.29	.340	2.0	2.3	.30
JUL										
22...	.3	3.5	130	114	.18	.00	.010	1.3	1.3	1.2
SEP										
04...	.2	4.8	150	142	.20	.00	.000	1.5	1.5	.51

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
10...	.96	1.3	5.9	.070	.010	--	12	1.3	53	45
NOV										
07...	1.1	1.2	5.4	.090	.020	14	--	--	33	79
DEC										
03...	.75	.95	4.2	.030	.000	7.6	--	--	8	45
JAN										
08...	1.2	1.9	8.4	.600	.620	--	9.9	1.1	17	94
FEB										
07...	.59	.78	3.5	.160	.090	16	--	--	43	92
MAR										
03...	.98	1.2	5.4	.130	.030	11	--	--	59	53
APR										
28...	1.0	1.4	6.0	.120	.060	--	17	.7	33	78
JUN										
03...	1.9	2.6	12	.110	.040	12	--	--	29	15
24...	2.0	2.6	11	.120	.040	21	--	--	4191	3
JUL										
22...	.15	1.3	5.8	.120	.040	--	11	.9	64	86
SEP										
04...	.99	1.5	6.6	.140	.020	17	--	--	72	97

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
10...	1500	1	1	100	30	70	0	0	<1	0
NOV										
07...	1500	--	--	--	--	--	--	--	--	--
JAN										
08...	1500	--	--	200	200	40	0	0	<1	0
FEB										
07...	1430	--	--	--	--	--	--	--	--	--
APR										
28...	1330	1	1	200	100	60	1	0	1	0
JUN										
03...	1200	--	--	--	--	--	--	--	--	--
JUL										
22...	1000	2	1	100	50	50	1	0	2	10
SEP										
04...	0940	--	--	--	--	--	--	--	--	--

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 10...	0	10	0	0	<3	7	4	3	590	--
JAN 08...	0	0	2	0	<3	0	0	1	1300	1200
APR 28...	0	0	0	--	<3	8	4	4	990	890
JUL 22...	10	0	2	--	<3	9	8	1	1900	1900

DATE	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 10...	60	13	8	5	190	70	120	.0	.0	.0
JAN 08...	60	5	0	5	70	50	20	.1	.1	.0
APR 28...	100	6	0	6	140	50	90	.9	.2	.7
JUL 22...	20	8	6	2	160	160	2	.3	.1	.2

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 10...	0	0	0	0	0	0	10	4	6
NOV 07...	--	--	--	0	--	--	--	--	--
JAN 08...	0	0	0	0	0	0	--	--	10
FEB 07...	--	--	--	0	--	--	--	--	--
APR 28...	0	0	0	0	0	0	20	10	10
JUN 03...	--	--	--	0	--	--	--	--	--
JUL 22...	1	0	1	0	0	0	40	30	7
SEP 04...	--	--	--	0	--	--	--	--	--

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	489	582	185	204	248	213	121	381	203	209	234	237
2	294	634	187	210	234	177	137	344	218	209	239	237
3	240	610	188	209	223	167	190	344	---	210	237	235
4	212	616	191	214	214	166	165	328	209	208	237	232
5	201	731	133	213	204	175	162	323	210	209	237	237
6	388	705	196	214	208	182	152	281	214	210	240	238
7	383	202	200	208	212	183	154	236	216	208	238	239
8	386	191	195	206	216	187	159	218	216	209	238	237
9	449	185	187	202	189	205	158	203	218	210	241	241
10	451	178	180	202	185	190	164	206	205	212	247	250
11	456	173	187	194	198	188	164	232	212	208	247	240
12	494	174	189	186	216	186	175	268	229	209	248	240
13	568	167	188	182	232	200	150	237	232	208	249	240
14	563	191	192	177	224	177	100	218	214	211	250	241
15	562	188	162	177	230	134	64	164	214	210	246	243
16	528	192	173	184	228	210	70	120	210	209	252	250
17	539	203	191	182	214	154	76	88	229	214	243	239
18	562	209	191	179	203	105	92	77	220	216	238	238
19	592	216	190	175	198	183	83	84	214	220	238	241
20	598	223	191	191	195	494	93	81	210	218	240	242
21	608	228	190	160	196	542	107	113	200	219	238	241
22	620	250	186	114	191	233	134	148	185	222	237	241
23	489	514	181	109	186	180	1030	149	185	221	238	241
24	590	159	156	118	175	163	771	142	176	225	237	240
25	622	203	134	146	176	563	449	172	186	231	241	242
26	629	192	155	164	173	569	525	188	194	233	239	241
27	626	180	197	230	254	240	451	192	200	236	249	238
28	620	181	210	291	274	197	434	193	212	237	240	238
29	653	181	215	276	270	170	434	197	207	237	242	231
30	653	181	221	272	---	150	409	377	210	237	240	234
31	634	---	211	248	---	118	---	232	---	240	242	---
MEAN	506	295	186	195	213	226	246	211	209	218	241	239

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0				---	10.0	14.0	20.0	27.0	32.5	31.5	29.0
2	24.0				---	10.0	14.5	20.0	26.0	32.5	32.0	29.0
3	25.0				---	8.0	17.0	22.0	---	33.0	32.0	29.0
4	24.0				---	9.0	17.0	21.0	28.0	33.0	31.0	29.0
5	24.5				---	9.0	17.0	20.0	28.0	34.0	30.5	31.5
6	24.5				---	9.5	18.0	21.5	28.0	33.0	30.5	29.5
7	24.0				---	10.5	18.0	22.0	29.0	33.0	31.0	29.0
8	24.0				---	12.0	18.0	22.0	29.0	33.0	31.0	32.0
9	23.5				---	14.0	18.0	21.5	27.0	33.0	33.0	32.0
10	23.0				---	13.0	18.0	22.0	28.0	32.5	33.0	29.0
11	22.0				---	14.0	19.0	23.0	27.0	33.0	34.0	29.0
12	22.0				---	12.0	18.0	23.0	27.0	33.0	34.0	29.5
13	21.0				---	13.5	15.0	23.0	28.0	33.0	31.0	29.0
14	21.0				5.0	14.0	12.0	23.0	28.0	32.5	31.0	29.0
15	21.0				7.0	13.0	11.0	21.0	29.0	32.5	32.0	28.5
16	20.5				6.0	14.5	13.0	20.0	29.0	33.0	31.0	31.0
17	20.0				6.0	15.0	14.0	20.0	30.0	34.0	30.0	28.0
18	20.5				7.0	14.0	15.0	21.0	29.5	33.0	30.0	28.0
19	21.0				6.0	13.0	15.0	22.0	29.5	32.5	30.5	27.0
20	21.0				8.0	13.0	19.0	24.0	29.0	33.0	30.0	27.0
21	21.0				9.0	13.0	18.0	24.0	29.0	33.0	30.0	28.0
22	---				10.0	14.0	19.0	24.0	29.0	32.0	31.0	28.0
23	---				10.0	14.5	19.0	25.0	28.0	31.0	30.0	29.0
24	---				11.0	13.0	19.5	25.0	29.0	31.0	29.5	28.0
25	---				11.0	14.0	20.0	26.0	30.0	30.5	30.0	28.0
26	---				10.0	14.0	20.0	25.0	29.5	31.0	30.0	27.0
27	---				10.0	14.0	20.0	27.0	32.0	30.0	31.0	25.0
28	---				11.0	13.5	19.0	25.0	32.5	29.0	29.0	23.0
29	---				12.0	14.5	19.0	25.0	32.0	30.0	29.0	21.0
30	---				---	14.0	19.5	25.5	32.5	31.5	28.0	21.0
31	---				---	14.0	---	26.0	---	32.0	28.5	---
MEAN	22.5				8.5	12.5	17.0	23.0	29.0	32.5	31.0	28.0

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 7,79	MAR 3,80	JUN 3,80	JUN 24,80	JUL 22,80	SEP 4,80
TIME	1500	1400	1200	1200	1000	0940
TOTAL CELLS/ML	62000	1400	6500	320	130000	200000
DIVERSITY: DIVISION	0.9	1.1	1.1	0.2	0.8	0.7
.CLASS	0.9	1.1	1.1	0.2	0.8	0.7
..ORDER	1.9	1.7	1.3	0.2	1.0	1.6
...FAMILY	2.4	2.5	1.9	0.2	1.4	1.7
....GENUS	2.9	3.2	2.6	0.2	1.9	2.1

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	*	0	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	1400#	21	--	-	3500	3	--	-
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	88	7	200	3	--	-	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	--	-	--	-	*	0	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	460	1	200	15	50	1	--	-	1900	2	--	-
....CHLORELLA	--	-	22	2	--	-	--	-	--	-	--	-
....CHODATELLA	*	0	--	-	--	-	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-	--	-	*	0	--	-
....DICTYOSPHAERIUM	1900	3	--	-	--	-	--	-	770	1	--	-
....GLOEOACTINIUM	*	0	--	-	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	77	6	--	-	--	-	770	1	1900	1
....OOCYSTIS	370	1	33	2	--	-	--	-	--	-	--	-
....SELENASTRUM	460	1	--	-	200	3	13	4	--	-	*	0
....TETRAEDRON	--	-	22	2	--	-	--	-	--	-	*	0
....TREUBARIA	--	-	--	-	*	0	--	-	--	-	*	0
....WESTELLA	--	-	--	-	--	-	--	-	770	1	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	--	-	--	-	--	-	1500	1	--	-
....CRUCIGENIA	--	-	--	-	100	2	--	-	770	1	6900	3
....SCENEDESMUS	1300	2	110	8	300	5	--	-	3800	3	1500	1
....TETRASTRUM	370	1	--	-	100	2	--	-	770	1	1200	1
..TETRASPORALES												
...COCCOMYXACEAE												
....ELAKATOTHRIX	--	-	--	-	--	-	--	-	--	-	*	0
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	44	3	150	2	--	-	*	0	--	-
..ZYGNEMATALES												
...DESMIDIACEAE												
....COSMARIUM	*	0	--	-	--	-	--	-	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	3000	5	490#	36	1500#	24	--	-	3300	3	2100	1
....MELOSIRA	2100	3	66	5	2200#	34	--	-	--	-	6700	3
..PENNALES												
...ACHNANTHACEAE												
....COCCONEIS	--	-	11	1	--	-	--	-	--	-	--	-
...FRAGILARIACEAE												
....SYNEDRA	--	-	33	2	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE												
....GOMPHONEMA	--	-	11	1	--	-	--	-	--	-	--	-
...NAVICULACEAE												
....GYROSIGMA	--	-	--	-	--	-	--	-	--	-	*	0
....NAVICULA	--	-	33	2	--	-	--	-	--	-	--	-
...NITZSCHIACEAE												
....NITZSCHIA	2000	3	88	7	75	1	--	-	2700	2	1900	1
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE TIME	NOV 7,79 1500		MAR 3,80 1400		JUN 3,80 1200		JUN 24,80 1200		JUL 22,80 1000		SEP 4,80 0940	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	21000#	34	--	-	--	-	--	-	--	-	2400	1
....ANACYSTIS	3700	6	--	-	--	-	--	-	1500	1	100000#	51
....GOMPHOSPHAERIA	--	-	--	-	--	-	--	-	--	-	4800	2
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	3900	6	--	-	--	-	--	-	3100	2	2700	1
....ANABAENOPSIS	3700	6	--	-	--	-	--	-	2700	2	--	-
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	--	-	5800	5	4800	2
....OSCILLATORIA	16000#	26	--	-	--	-	--	-	91000#	72	60000#	30
...RIVULARIACEAE												
....RAPHIDIOPSIS	830	1	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	75	1	--	-	--	-	--	-
....TRACHELOMONAS	--	-	33	2	50	1	310#	96	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi (7.1 km) south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi (12.6 km) southeast of Texarkana.

DRAINAGE AREA.--78.5 mi^2 (203 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 09...	1245	9827	9827	4160	7.2	25.0	22.0	60	1.9	22	110
NOV 06...	1300	9827	9827	598	7.3	20.0	14.0	40	4.3	41	42
DEC 04...	1330	9827	9827	725	7.5	12.0	7.0	40	5.7	47	50
JAN 08...	1330	9827	9827	350	6.7	4.0	6.0	60	7.0	56	--
FEB 05...	1315	9827	9827	290	7.0	3.0	3.0	60	8.9	66	31
MAR 04...	1300	9827	9827	492	7.1	10.0	8.0	20	7.8	66	44
APR 01...	1245	9827	9827	247	6.8	23.0	15.0	80	7.0	69	36
MAY 13...	1300	9827	9827	249	--	27.0	21.0	100	4.1	46	46
JUN 03...	1315	9827	9827	7430	7.3	31.0	26.0	30	--	--	84
JUL 08...	1315	9827	9827	--	7.4	33.0	31.0	30	3.2	43	20
AUG 26...	1300	9827	9827	--	7.7	36.0	30.0	40	7.6	100	--
SEP 23...	1330	9827	9827	1380	7.5	31.0	27.0	20	--	--	60

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1245	--	>600	110	28	8.3	530	36	120	1200	58
NOV 06...	1300	8.0	310	--	--	--	--	--	--	94	48
DEC 04...	1330	11	110	--	--	--	--	--	--	130	38
JAN 08...	1330	--	57	57	16	3.0	37	5.0	--	53	31
FEB 05...	1315	7.2	<4	--	--	--	--	--	--	41	26
MAR 04...	1300	10	16	--	--	--	--	--	--	95	31
APR 01...	1245	7.0	24	51	13	3.0	24	4.0	25	35	22
MAY 13...	1300	10	150	--	--	--	--	--	--	40	17
JUN 03...	1315	--	--	--	--	--	--	--	--	2500	46
JUL 08...	1315	3.1	480	--	490	50	96	68	95	40	33
AUG 26...	1300	18	--	--	--	--	--	--	--	600	40
SEP 23...	1330	--	220	--	--	--	--	--	--	340	37

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 09...	1245	2440	26	.02	.040	18.000	24	3.400	8	10	<5
NOV 06...	1300	332	9	.23	.130	9.000	--	--	--	--	--
DEC 04...	1330	383	10	.33	.110	--	10	2.400	--	<10	--
JAN 08...	1330	226	26	.40	.170	4.100	6.2	1.500	--	<10	--
FEB 05...	1315	179	14	.53	.120	--	3.8	.750	--	<10	--
MAR 04...	1300	265	15	.38	.130	4.600	1.5	.900	--	<10	--
APR 01...	1245	172	24	.39	.240	2.100	1.4	.580	6	<10	6
MAY 13...	1300	167	46	.36	.090	3.300	1.5	.900	--	<10	--
JUN 03...	1315	4840	42	.22	.390	6.700	--	1.300	--	30	--
JUL 08...	1315	--	39	--	.200	14.000	--	.450	--	20	--
AUG 26...	1300	146	25	.08	.030	.140	7.0	3.300	--	<10	--
SEP 23...	1330	692	14	.10	.010	11.000	13	2.800	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 09...	1245	40	1300	<10	1600	1000	--	--	--	--	--
NOV 06...	1300	--	--	--	--	--	.00	.00	.00	.00	.00
DEC 04...	1330	<20	800	--	200	<10	--	--	--	--	--
JAN 08...	1330	20	--	--	530	40	--	--	--	--	--
FEB 05...	1315	<20	--	--	350	30	--	--	--	--	--
MAR 04...	1300	<20	1500	--	470	50	--	--	--	--	--
APR 01...	1245	<20	2800	20	320	10	--	--	--	--	--
MAY 13...	1300	<20	2600	--	350	50	--	--	--	--	--
JUN 03...	1315	20	2900	--	3300	2500	--	--	--	--	--
JUL 08...	1315	30	2500	1600	--	4900	--	--	--	--	--
AUG 26...	1300	<20	910	--	680	160	--	--	--	--	--
SEP 23...	1330	<20	650	--	670	30	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 06...	1300	.00	.00	.00	.00	0	.00

07344350 RED RIVER NEAR SPRING BANK, AR

LOCATION.--Lat 33°05'29", long 93°51'38", in NW 1/4 sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi (2.9 km) west of Spring Bank.

DRAINAGE AREA.--56,909 mi^2 (147,394 km^2).

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 09...	1115	9827	9827	1640	7.9	25.0	23.0	20	8.2	94	31
NOV 06...	1100	9827	9827	600	7.6	14.0	15.0	120	5.9	58	62
DEC 04...	1115	9827	9827	639	7.9	10.0	7.0	30	11.2	92	19
JAN 08...	1130	9827	9827	217	6.7	2.0	5.0	80	10.3	80	--
FEB 05...	1115	9827	9827	430	7.7	4.0	3.0	50	12.4	92	17
APR 01...	1100	9827	9827	730	5.8	20.0	19.0	40	9.9	105	25
MAY 13...	1115	9827	9827	266	--	27.0	19.0	100	7.5	80	21
JUN 03...	1130	9827	9827	208	7.5	30.0	26.0	100	--	--	29
JUL 08...	1145	9827	9827	--	8.2	33.0	31.0	30	10.3	137	10
AUG 26...	1130	9827	9827	--	8.1	35.0	30.0	30	7.2	95	27
SEP 23...	1145	9827	9827	1760	8.1	29.0	27.0	10	--	--	3

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1115	--	4	110	35	3.8	210	7.0	120	340	210
NOV 06...	1100	3.6	28	--	--	--	--	--	--	110	52
DEC 04...	1115	3.3	20	--	--	--	--	--	--	77	55
JAN 08...	1130	2.0	16	63	17	4.0	18	3.0	--	25	25
FEB 05...	1115	3.8	<4	--	--	--	--	--	--	66	51
APR 01...	1100	4.5	44	180	49	14	73	4.0	2	110	82
MAY 13...	1115	1.6	<4	--	--	--	--	--	--	28	7.0
JUN 03...	1130	--	30	--	--	--	--	--	--	26	35
JUL 08...	1145	6.1	60	--	56	17	140	5.0	120	170	130
AUG 26...	1130	4.2	4	--	--	--	--	--	--	340	160
SEP 23...	1145	--	4	--	--	--	--	--	--	8.0	100

07344350 RED RIVER NEAR SPRING BANK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
09...	1115	289	34	.01	<.010	.050	1.1	.090	<5	<10	<5
NOV											
06...	1100	399	30	.08	.030	.300	.07	--	--	<10	--
DEC											
04...	1115	371	22	.02	.010	.100	.30	.080	--	<10	--
JAN											
08...	1130	160	60	.17	.040	.130	2.3	.110	--	<10	--
FEB											
05...	1115	264	48	.21	.020	--	<.10	.120	--	<10	--
APR											
01...	1100	422	42	<.01	.020	.060	1.3	.080	<1	<10	6
MAY											
13...	1115	119	140	--	.010	.200	3.0	.150	--	<10	--
JUN											
03...	1130	171	72	.06	.020	.100	--	.100	--	<10	--
JUL											
08...	1145	--	46	.03	<.010	.090	--	.140	--	<10	--
AUG											
26...	1130	958	56	.01	<.010	.030	3.8	.140	--	<10	--
SEP											
23...	1145	1010	35	--	.010	.080	.60	.090	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	1115	20	570	<10	260	90	.00	.00	.00	.00	.00
NOV											
06...	1100	20	2300	--	580	50	--	--	--	--	--
DEC											
04...	1115	<20	640	--	94	<10	--	--	--	--	--
JAN											
08...	1130	30	--	--	300	40	--	--	--	--	--
FEB											
05...	1115	<20	--	--	120	10	.00	.00	.00	.00	.00
APR											
01...	1100	<20	1600	10	170	<10	--	--	--	--	--
MAY											
13...	1115	<20	7500	--	240	20	--	--	--	--	--
JUN											
03...	1130	<20	2400	--	180	--	.00	.00	.00	.00	.00
JUL											
08...	1145	<10	620	50	--	10	.00	.00	.00	.00	.00
AUG											
26...	1130	<20	990	--	230	10	.00	.00	.00	.00	.00
SEP											
23...	1145	<20	500	--	170	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
09...	1115	.00	.00	.00	.00	0	.00
FEB							
05...	1115	.00	.00	.00	.00	0	.00
JUN							
03...	1130	.00	.00	.00	.00	0	.00
JUL							
08...	1145	.00	.00	.00	.00	0	.00
AUG							
26...	1130	.00	.00	.00	.00	0	.00
SEP							
23...	1145	.00	.00	.00	.00	0	.00

07349440 BODCAU CREEK NEAR LEWISVILLE, AR

LOCATION.--Lat 33°15'42", long 93°33'05", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi (10.8 km) southeast of Lewisville.

PERIOD OF RECORD.--April 1974 to September 1977, October 1978 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	0800	9827	9827	--	6.7	21.0	19.0	80	5.2	55
NOV 06...	0800	9827	9827	353	6.4	11.0	12.0	45	5.1	47
DEC 04...	0800	9827	9827	169	6.3	1.0	2.0	70	8.7	63
JAN 08...	0830	9827	9827	148	5.7	.0	4.0	100	9.4	72
FEB 05...	0830	9827	9827	102	6.1	2.0	3.0	80	11.3	84
MAR 04...	0830	9827	9827	199	6.4	9.0	5.0	100	9.4	73
APR 01...	0800	9827	9827	77	5.8	15.0	12.0	70	6.4	59
MAY 13...	0800	9827	9827	124	--	20.0	18.0	100	5.5	58
JUN 03...	0815	9827	9827	106	6.2	25.0	23.0	200	--	--
JUL 08...	0900	9827	9827	--	6.5	31.0	28.0	120	4.5	57
AUG 26...	2030	9827	9827	--	6.2	27.0	25.0	200	3.8	45

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	0800	--	--	45	11	3.1	18	2.0	7	36	10
NOV 06...	0800	1.2	56	--	--	--	--	--	--	92	12
DEC 04...	0800	1.9	130	--	--	--	--	--	--	41	10
JAN 08...	0830	1.2	80	--	6.0	2.0	17	2.0	--	37	10
FEB 05...	0830	2.7	9	--	--	--	--	--	--	29	13
MAR 04...	0830	2.5	84	--	--	--	--	--	--	56	11
APR 01...	0800	<.1	68	19	4.0	1.6	8.8	1.0	6	18	11
MAY 13...	0800	2.6	1000	--	--	--	--	--	--	29	6.0
JUN 03...	0815	--	140	--	--	--	--	--	--	74	10
JUL 08...	0900	3.0	44	--	10	4.0	27	2.0	12	--	5.0
AUG 26...	2030	--	<4	--	--	--	--	--	--	79	8.0

07349440 BODCAU CREEK NEAR LEWISVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
09...	0800	130	9	.07	.010	.050	.100	<5	<10	8
NOV										
06...	0800	250	2	.08	.010	.260	--	--	<10	--
DEC										
04...	0800	149	5	<.01	.020	.080	.080	--	<10	--
JAN										
08...	0830	138	6	.03	.030	.090	.060	--	<10	--
FEB										
05...	0830	108	4	.11	.010	.040	.060	--	<10	--
MAR										
04...	0830	152	4	.06	.010	.120	.100	--	<10	--
APR										
01...	0800	63	22	<.01	.020	.060	.040	<1	<10	3
MAY										
13...	0800	111	15	--	.010	.110	.110	--	<10	--
JUN										
03...	0815	99	16	.18	.020	.160	.150	--	<10	--
JUL										
08...	0900	--	7	.06	.010	.160	.220	--	<10	--
AUG										
26...	2030	261	66	<.01	.050	.130	.290	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
09...	0800	<20	1600	<10	380	60	--	--	--	--	--
NOV											
06...	0800	70	1100	--	730	70	.00	.00	.00	.00	.00
DEC											
04...	0800	<20	920	--	160	20	--	--	--	--	--
JAN											
08...	0830	<20	--	--	200	30	--	--	--	--	--
FEB											
05...	0830	<20	--	--	120	30	--	--	--	--	--
MAR											
04...	0830	<20	1400	--	240	30	--	--	--	--	--
APR											
01...	0800	<20	1200	30	63	<10	--	--	--	--	--
MAY											
13...	0800	<20	2800	--	150	10	--	--	--	--	--
JUN											
03...	0815	<20	3200	--	300	<10	--	--	--	--	--
JUL											
08...	0900	<20	2300	10	--	10	--	--	--	--	--
AUG											
26...	2030	<20	5600	--	--	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV							
06...	0800	.00	.00	.00	.00	0	.00

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR

LOCATION.--Lat 34°36'36", long 93°41'50", in SE 1/4 SW 1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft (91 m) upstream from bridge on U.S. Highway 270, 3.1 mi (5.0 km) upstream from Fiddler's Creek, 5.2 mi (8.4 km) northwest of Mount Ida, and at mile 553.4 (890.4 km).

DRAINAGE AREA.--414 mi^2 (1,072 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft (199.687 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941, to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft (107 m) downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 709 ft^3/s (20.1 m^3/s), 23.26 in/yr (591 mm/yr), 513,700 acre-ft/yr (633 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 95,500 ft^3/s (2,700 m^3/s) Dec. 10, 1971, gage height, 38.62 ft (11.771 m), from floodmarks; minimum, 2.3 ft^3/s (0.065 m^3/s) Aug. 25, 1954, gage height, 1.03 ft (0.314 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 10, 1971, was about 3.0 ft (0.9 m) higher than that of 1908 and is the highest since at least that date, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,600 ft^3/s (329 m^3/s) Dec. 24 at 1200 hours, gage height, 13.97 ft (4.258 m), no other peak above base of 11,000 ft^3/s (312 m^3/s); minimum, 6.0 ft^3/s (0.17 m^3/s) Aug. 26, 27, gage height, 0.93 ft (0.283 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	732	133	454	397	203	1160	928	474	35	35	21
2	52	357	123	396	346	191	941	1300	347	32	30	16
3	47	241	115	358	323	180	837	2430	298	29	27	13
4	45	188	108	331	309	171	710	1450	242	27	24	11
5	42	161	103	307	299	171	582	1040	202	25	23	10
6	40	141	99	277	289	162	505	817	173	24	21	9.6
7	38	123	95	240	271	154	452	671	151	22	19	9.9
8	37	111	91	217	400	148	406	578	136	21	17	9.4
9	37	136	87	201	1460	140	354	466	121	19	15	9.6
10	35	152	84	187	1170	133	314	386	109	18	14	11
11	34	159	82	206	1010	128	285	329	99	16	13	10
12	34	151	134	336	1020	211	254	1540	91	15	12	11
13	34	133	1070	305	995	361	343	1790	82	14	12	9.7
14	32	119	1020	278	963	325	2170	991	75	13	11	8.7
15	31	110	704	252	959	269	2080	821	67	13	11	8.4
16	36	102	555	251	919	247	1580	7220	61	12	10	8.2
17	38	97	445	262	785	381	1270	3870	56	12	9.9	8.5
18	43	93	364	275	675	590	1110	1910	55	12	9.1	7.8
19	48	91	318	232	607	480	901	1600	61	11	8.7	7.7
20	44	89	289	227	554	441	741	1310	69	10	8.3	7.7
21	41	109	253	465	493	400	619	1010	71	11	7.9	8.4
22	53	325	276	2030	432	347	527	1210	83	11	7.5	9.6
23	52	411	1940	1880	383	448	454	1000	81	10	6.9	11
24	57	307	8280	1320	339	1630	395	814	69	11	6.6	21
25	73	252	2840	1040	306	1370	3090	649	60	12	6.5	28
26	60	225	1670	842	281	1040	2490	533	54	15	6.3	116
27	52	200	1190	686	239	853	1610	432	50	44	6.7	194
28	53	179	921	574	223	786	1190	390	47	111	6.9	692
29	54	159	738	519	209	909	941	441	42	90	11	2840
30	61	145	618	489	---	1870	762	448	38	62	12	1210
31	304	---	528	455	---	1550	---	746	---	43	18	---
TOTAL	1662	5798	25273	15892	16656	16289	29073	39120	3564	800	426.3	5338.2
MEAN	53.6	193	815	513	574	525	969	1262	119	25.8	13.8	178
MAX	304	732	8280	2030	1460	1870	3090	7220	474	111	35	2840
MIN	31	89	82	187	209	128	254	329	38	10	6.3	7.7
CFSM	.13	.47	1.97	1.24	1.39	1.27	2.34	3.05	.29	.06	.03	.43
IN.	.15	.52	2.27	1.43	1.50	1.46	2.61	3.52	.32	.07	.04	.48
AC-FT	3300	11500	50130	31520	33040	32310	57670	77590	7070	1590	846	10590

CAL YR 1979	TOTAL	372140.0	MEAN	1020	MAX	14500	MIN	31	CFSM	2.46	IN	33.44	AC-FT	738100
WTR YR 1980	TOTAL	159891.5	MEAN	437	MAX	8280	MIN	6.3	CFSM	1.06	IN	14.37	AC-FT	317100

07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°34'18", long 93°11'37", in SE 1/4 sec.12, T.2 S., R.21 W., Garland County, Hydrologic Unit 08040101, on outlet of power tunnel at Blakely Mountain Dam, 2.3 mi (3.7 km) upstream from Glazypeau Creek, 10.0 mi (16.1 km) northwest of Hot Springs, and at mile 486.9 (783.4 km).

DRAINAGE AREA.--1,102 mi^2 (2,854 km^2).

PERIOD OF RECORD.--August 1969 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
16...	1745	9827	9827	52	6.7	21.0	12.0	5	6.0	56	6
NOV											
13...	0815	9827	9827	57	6.7	3.0	11.0	5	7.9	71	4
DEC											
11...	0825	9827	9827	53	6.8	21.0	11.0	5	8.7	78	7
JAN											
15...	0820	9827	9827	58	7.2	13.0	9.0	5	9.8	84	6
FEB											
12...	0845	9827	9827	54	7.3	2.0	5.0	5	11.2	88	8
MAR											
11...	0830	9827	9827	54	7.2	10.0	8.0	5	10.6	89	8
APR											
15...	0830	9827	9827	65	7.3	10.0	10.0	10	10.7	95	8
MAY											
06...	0825	9827	9827	104	7.5	15.0	11.0	5	6.9	62	4
JUN											
10...	0830	9827	9827	54	7.2	26.0	21.0	10	9.1	99	11
AUG											
05...	0830	9827	9827	57	7.3	28.0	26.0	20	8.0	97	10
26...	0830	9827	9827	55	7.1	23.0	24.0	--	8.1	10	8
SEP											
02...	0815	9827	9827	81	--	24.0	24.0	--	8.0	94	10

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1745	.2	<4	22	5.8	1.3	1.7	.7	16	4.5	3.0
NOV											
13...	0815	1.3	<4	--	--	--	--	--	--	4.0	3.0
DEC											
11...	0825	.6	<4	--	--	--	--	--	--	13	4.0
JAN											
15...	0820	--	4	--	6.0	2.0	1.8	.8	21	3.0	8.0
FEB											
12...	0845	1.2	<4	--	--	--	--	--	--	4.0	3.0
MAR											
11...	0830	1.0	<4	--	--	--	--	--	--	4.0	2.0
APR											
15...	0830	1.3	<4	26	7.2	1.8	1.6	.9	24	11	3.0
MAY											
06...	0825	--	4	--	--	--	--	--	--	4.5	14
JUN											
10...	0830	2.7	140	--	--	--	--	--	--	4.0	3.0
AUG											
05...	0830	2.8	56	--	5.0	1.6	2.0	.9	--	7.0	6.0
26...	0830	4.6	8	--	--	--	--	--	--	6.5	1.0
SEP											
02...	0815	--	28	--	--	--	--	--	--	--	5.0

07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
16...	1745	--	<1	.23	<.010	.080	<.10	<.010	<5	<10	<5
NOV											
13...	0815	40	2	.17	.010	--	<.10	<.010	--	--	--
DEC											
11...	0825	33	<1	.12	.010	.040	1.0	.010	--	--	--
JAN											
15...	0820	33	3	.10	.010	.080	1.1	<.010	--	<10	--
FEB											
12...	0845	53	16	.12	.010	.030	1.5	.010	--	--	--
MAR											
11...	0830	36	<1	.13	.010	.030	.10	<.010	--	--	--
APR											
15...	0830	44	1	.11	--	.010	1.0	<.010	10	<10	1
MAY											
06...	0825	--	--	.11	<.010	.020	.90	.010	--	--	--
JUN											
10...	0830	32	5	.02	<.010	.010	--	.010	--	--	--
AUG											
05...	0830	42	5	<.01	.010	.080	.50	.020	--	<10	--
26...	0830	44	7	.01	<.010	.040	1.1	.010	--	--	--
SEP											
02...	0815	40	4	.02	<.010	.060	2.5	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
16...	1745	<20	1000	10	<10	140	--	--	--	--	--
JAN											
15...	0820	<20	70	<10	26	40	--	--	--	--	--
FEB											
12...	0845	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
15...	0830	<20	180	<10	32	<10	--	--	--	--	--
AUG											
05...	0830	<20	60	<10	15	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB							
12...	0845	.00	.00	.00	.00	0	.00

07357503 OUACHITA RIVER AT MOUNTAIN PINE, AR

LOCATION.--Lat 34°33'14", long 93°11'03", in SW 1/4 sec.18, T.2 S., R.20 W., Garland County, Hydrologic Unit 08040101, 1.5 mi (2.4 km) below Blakely Mountain Dam.

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

COOPERATION.--Records were furnished by Arkansas Game and Fish Commission, Little Rock, Ark.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 18.0°C Jul. 20, 26, 28, 29, 1980; minimum daily, 5.5°C Mar. 6-10, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 18.0°C Jul. 20, 26, 28, 29; minimum daily, 6.0°C Feb. 10, 11.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	9.5	9.0	8.0	8.0	8.0	7.0
2	---	---	---	---	---	---	9.5	9.5	8.0	8.0	7.0	7.0
3	---	---	---	---	11.0	11.0	9.5	9.5	8.0	7.0	7.0	6.5
4	---	---	---	---	11.0	11.0	10.0	9.5	7.0	7.0	7.0	6.5
5	---	---	---	---	11.0	10.5	10.0	10.0	7.0	7.0	7.0	6.5
6	---	---	---	---	11.0	10.5	10.0	9.0	8.0	7.0	7.0	7.0
7	---	---	13.0	13.0	11.0	10.5	9.0	8.0	8.0	7.0	7.0	7.0
8	---	---	13.0	12.0	11.0	10.5	8.0	8.0	7.0	7.0	7.0	7.0
9	---	---	12.0	12.0	11.0	10.5	8.5	8.5	7.0	6.5	8.0	7.0
10	---	---	13.0	12.0	10.5	10.5	9.5	9.5	6.5	6.0	8.0	7.0
11	---	---	13.0	12.0	10.5	10.5	10.0	9.0	6.5	6.0	8.0	7.0
12	---	---	12.0	11.5	10.5	10.5	10.0	8.5	6.5	6.5	7.0	7.0
13	12.0	12.0	12.0	11.5	10.5	10.0	9.0	8.5	6.5	6.5	8.0	7.0
14	12.0	11.5	12.0	11.5	10.0	9.5	8.5	8.5	7.0	6.5	8.5	7.0
15	12.0	11.5	12.0	11.5	9.5	9.5	9.0	9.0	7.0	7.0	9.0	8.5
16	12.0	11.5	12.0	11.5	9.5	9.0	9.0	9.0	7.0	7.0	9.0	9.0
17	12.0	11.5	12.0	11.5	9.0	9.0	9.0	---	7.0	6.5	9.0	8.5
18	12.0	11.5	12.0	11.5	9.5	9.5	---	9.0	6.5	6.5	9.0	8.0
19	13.0	12.0	12.0	11.5	9.5	9.5	9.0	9.0	6.5	6.5	8.5	8.0
20	12.0	12.0	12.0	11.5	10.0	9.5	9.0	9.0	7.0	6.5	8.5	8.5
21	13.0	12.0	12.0	12.0	10.0	10.0	9.0	8.5	7.0	7.0	---	---
22	13.0	13.0	13.0	12.0	10.0	10.0	9.0	8.5	8.0	7.0	---	---
23	13.0	13.0	12.0	11.5	10.5	10.0	8.5	8.5	8.0	8.0	9.0	8.5
24	13.0	13.0	11.5	11.5	10.5	10.0	8.5	8.5	8.5	8.0	9.0	9.0
25	13.0	12.0	11.5	11.5	10.0	9.5	9.0	8.5	8.5	8.0	9.0	9.0
26	13.0	12.0	11.5	11.5	9.5	9.0	9.0	8.5	8.0	7.0	9.0	8.5
27	---	---	11.5	11.5	---	---	8.5	8.5	8.0	7.0	8.5	8.5
28	---	---	12.0	11.5	---	---	8.5	8.5	8.0	7.0	8.5	8.5
29	---	---	12.0	11.5	9.5	9.5	8.5	8.0	8.0	8.0	8.5	8.5
30	---	---	---	---	9.5	9.0	8.5	8.0	---	---	9.0	8.5
31	---	---	---	---	9.0	9.0	8.0	8.0	---	---	9.0	9.0
MONTH	13.0	11.5	13.0	11.5	11.0	9.0	10.0	8.0	8.5	6.0	9.0	6.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.5	9.0	13.0	12.0	11.0	10.5	---	---	14.0	13.0	15.5	13.5
2	9.5	9.0	12.0	11.5	11.0	10.5	---	---	14.5	13.5	15.5	14.5
3	9.5	9.0	11.5	11.0	10.5	10.5	---	---	15.0	14.0	15.0	14.0
4	9.5	9.0	---	---	11.5	10.5	---	---	15.0	13.5	14.0	13.0
5	10.0	9.5	---	---	10.5	10.5	15.5	14.5	14.0	13.0	14.0	13.0
6	10.5	9.5	---	---	10.5	10.5	14.5	13.0	13.5	13.0	14.0	13.0
7	10.5	10.0	---	---	10.5	10.5	14.0	13.0	13.5	12.0	14.0	13.0
8	10.0	10.0	11.5	11.5	11.0	10.5	13.0	11.5	13.5	12.0	14.0	13.0
9	10.0	10.0	13.0	11.0	12.0	11.0	12.0	11.0	13.0	11.5	13.5	12.0
10	10.5	10.0	13.0	11.5	12.0	11.0	12.0	11.0	15.5	13.0	13.5	12.0
11	10.5	10.5	13.0	11.5	13.5	12.0	12.0	11.5	13.5	13.0	14.0	12.0
12	10.5	10.5	15.0	13.0	14.0	12.0	11.5	11.0	13.0	11.5	14.5	13.0
13	10.5	10.0	15.0	15.0	14.5	13.5	11.5	11.0	12.0	11.5	14.5	13.5
14	10.0	9.0	15.0	12.0	14.0	12.0	11.5	11.0	13.0	11.5	14.0	12.0
15	---	---	13.0	12.0	15.0	13.5	11.0	11.0	13.0	11.5	13.0	11.5
16	---	---	14.0	13.0	15.0	13.0	11.0	11.0	13.5	12.0	13.0	12.0
17	---	---	14.5	13.5	15.5	13.5	12.0	11.0	14.0	12.0	13.0	12.0
18	---	---	13.5	11.0	15.5	13.0	13.0	11.5	15.0	14.0	14.5	13.0
19	---	---	11.0	10.5	14.0	13.5	15.0	12.0	14.0	12.0	14.0	13.0
20	11.0	10.5	10.5	10.5	16.0	14.0	18.0	15.5	14.0	13.0	14.5	13.0
21	11.0	10.5	10.5	10.5	16.5	13.5	16.5	14.5	14.0	13.0	16.0	14.0
22	11.5	11.0	10.5	10.0	14.5	13.5	16.0	15.0	13.5	12.0	14.0	13.0
23	12.0	11.5	11.0	10.5	14.5	13.0	15.0	13.0	13.5	12.0	13.0	12.0
24	13.5	12.0	11.5	10.5	14.5	13.0	13.5	13.0	14.0	12.0	13.5	13.0
25	14.0	13.5	10.5	10.5	14.5	13.5	13.5	12.0	14.5	13.0	14.0	14.0
26	14.0	13.0	10.5	10.0	13.5	12.0	18.0	13.5	14.5	13.0	15.5	14.0
27	13.0	12.0	10.5	10.5	13.0	11.5	17.0	14.0	---	---	15.5	13.5
28	12.0	12.0	10.5	10.5	13.5	12.0	18.0	14.0	---	---	14.0	13.0
29	13.0	12.0	10.5	10.5	14.0	11.5	18.0	15.0	---	---	14.5	14.0
30	13.0	13.0	11.0	10.0	---	---	15.0	13.5	16.0	15.0	15.5	14.5
31	---	---	11.0	10.0	---	---	13.5	13.0	16.0	14.5	---	---
MONTH	14.0	9.0	15.0	10.0	16.5	10.5	18.0	11.0	16.0	11.5	16.0	11.5

07357503 OUACHITA RIVER AT MOUNTAIN PINE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.5	9.0	13.0	12.0	11.0	10.5	---	---	14.0	13.0	15.5	13.5
2	9.5	9.0	12.0	11.5	11.0	10.5	---	---	14.5	13.5	15.5	14.5
3	9.5	9.0	11.5	11.0	10.5	10.5	---	---	15.0	14.0	15.0	14.0
4	9.5	9.0	---	---	11.5	10.5	---	---	15.0	13.5	14.0	13.0
5	10.0	9.5	---	---	10.5	10.5	15.5	14.5	14.0	13.0	14.0	13.0
6	10.5	9.5	---	---	10.5	10.5	14.5	13.0	13.5	13.0	14.0	13.0
7	10.5	10.0	---	---	10.5	10.5	14.0	13.0	13.5	12.0	14.0	13.0
8	10.0	10.0	11.5	11.5	11.0	10.5	13.0	11.5	13.5	12.0	14.0	13.0
9	10.0	10.0	13.0	11.0	12.0	11.0	12.0	11.0	13.0	11.5	13.5	12.0
10	10.5	10.0	13.0	11.5	12.0	11.0	12.0	11.0	15.5	13.0	13.5	12.0
11	10.5	10.5	13.0	11.5	13.5	12.0	12.0	11.5	13.5	13.0	14.0	12.0
12	10.5	10.5	15.0	13.0	14.0	12.0	11.5	11.0	13.0	11.5	14.5	13.0
13	10.5	10.0	15.0	15.0	14.5	13.5	11.5	11.0	12.0	11.5	14.5	13.5
14	10.0	9.0	15.0	12.0	14.0	12.0	11.5	11.0	13.0	11.5	14.0	12.0
15	---	---	13.0	12.0	15.0	13.5	11.0	11.0	13.0	11.5	13.0	11.5
16	---	---	14.0	13.0	15.0	13.0	11.0	11.0	13.5	12.0	13.0	12.0
17	---	---	14.5	13.5	15.5	13.5	12.0	11.0	14.0	12.0	13.0	12.0
18	---	---	13.5	11.0	15.5	13.0	13.0	11.5	15.0	14.0	14.5	13.0
19	---	---	11.0	10.5	14.0	13.5	15.0	12.0	14.0	12.0	14.0	13.0
20	11.0	10.5	10.5	10.5	16.0	14.0	18.0	15.5	14.0	13.0	14.5	13.0
21	11.0	10.5	10.5	10.5	16.5	13.5	16.5	14.5	14.0	13.0	16.0	14.0
22	11.5	11.0	10.5	10.0	14.5	13.5	16.0	15.0	13.5	12.0	14.0	13.0
23	12.0	11.5	11.0	10.5	14.5	13.0	15.0	13.0	13.5	12.0	13.0	12.0
24	13.5	12.0	11.5	10.5	14.5	13.0	13.5	13.0	14.0	12.0	13.5	13.0
25	14.0	13.5	10.5	10.5	14.5	13.5	13.5	12.0	14.5	13.0	14.0	14.0
26	14.0	13.0	10.5	10.0	13.5	12.0	18.0	13.5	14.5	13.0	15.5	14.0
27	13.0	12.0	10.5	10.5	13.0	11.5	17.0	14.0	---	---	15.5	13.5
28	12.0	12.0	10.5	10.5	13.5	12.0	18.0	14.0	---	---	14.0	13.0
29	13.0	12.0	10.5	10.5	14.0	11.5	18.0	15.0	---	---	14.5	14.0
30	13.0	13.0	11.0	10.0	---	---	15.0	13.5	16.0	15.0	15.5	14.5
31	---	---	11.0	10.0	---	---	13.5	13.0	16.0	14.5	---	---
MONTH	14.0	9.0	15.0	10.0	16.5	10.5	18.0	11.0	16.0	11.5	16.0	11.5

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°26'36", long 93°01'29", in sec.27, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at dam, 1.5 mi (2.5 km) downstream from Hot Springs Creek, and 4.5 mi (7.2 km) southeast of Hot Springs.

DRAINAGE AREA.--1,459 mi^2 (3.779 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1620	9827	9827	53	6.7	21.0	15.0	5	5.9	58
NOV										
13...	1630	9827	9827	56	6.7	12.0	13.0	5	7.5	71
DEC										
12...	0820	9827	9827	55	7.0	17.0	11.0	5	10.1	91
JAN										
15...	1700	9827	9827	51	7.2	18.0	9.0	10	11.9	103
FEB										
12...	1710	9827	9827	47	7.0	8.0	8.0	10	12.2	102
MAR										
11...	1700	9827	9827	52	7.3	7.0	7.0	5	11.3	93
APR										
15...	1700	9827	9827	54	7.2	21.0	13.0	10	10.3	97
MAY										
06...	1700	9827	9827	54	7.0	27.0	14.0	10	8.1	78
JUN										
10...	1730	9827	9827	57	7.0	32.0	17.0	10	7.9	81
AUG										
05...	1715	9827	9827	57	6.7	39.0	17.0	30	3.4	35
26...	1656	9827	9827	55	6.8	41.0	19.0	--	4.8	51
SEP										
02...	1530	9827	9827	61	--	34.0	19.0	--	3.4	36

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1620	1.0	8	23	6.3	1.6	1.9	.8	17	4.5	3.0
NOV											
13...	1630	1.2	4	--	--	--	--	--	--	4.5	3.0
DEC											
12...	0820	1.1	4	--	--	--	--	--	--	4.0	4.0
JAN											
15...	1700	.5	16	--	5.0	1.0	2.3	1.0	18	3.5	8.0
FEB											
12...	1710	2.5	<4	--	--	--	--	--	--	4.0	4.0
MAR											
11...	1700	1.5	<4	--	--	--	--	--	--	4.5	4.0
APR											
15...	1700	--	80	19	5.2	1.3	1.7	.8	19	4.0	3.0
MAY											
06...	1700	.2	<4	--	--	--	--	--	--	5.0	14
JUN											
10...	1730	1.9	48	--	--	--	--	--	--	4.5	5.0
AUG											
05...	1715	.8	8	--	6.0	1.6	2.0	.8	--	5.5	5.0
26...	1656	6.4	12	--	--	--	--	--	--	5.0	1.0
SEP											
02...	1530	--	30	--	--	--	--	--	--	--	3.0

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1620	--	4	.15	<.010	.060	.010	<5	<10	<5
NOV										
13...	1630	40	4	.08	.010	--	<.010	--	--	--
DEC										
12...	0820	31	2	.06	<.010	.060	.010	--	--	--
JAN										
15...	1700	30	7	.08	.010	.040	.010	--	<10	--
FEB										
12...	1710	59	20	.14	.010	.050	.010	--	--	--
MAR										
11...	1700	36	4	.10	.010	.050	.020	--	--	--
APR										
15...	1700	37	4	.09	--	.040	<.010	13	--	1
MAY										
06...	1700	--	--	.09	.010	.070	.010	--	--	--
JUN										
10...	1730	35	8	.12	<.010	.060	.010	--	--	--
AUG										
05...	1715	40	5	.13	.010	.090	.020	--	<10	--
26...	1656	42	7	.11	<.010	.060	<.010	--	--	--
SEP										
02...	1530	43	11	.09	<.010	.050	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
16...	1620	<20	250	<10	43	240
JAN						
15...	1700	<20	110	<10	<10	<10
APR						
15...	1700	<20	270	<10	37	<10
AUG						
05...	1715	<20	160	<10	120	<10

07359500 OUACHITA RIVER NEAR MALVERN, AR

LOCATION.--Lat 34°23'10", long 92°50'20", in NW 1/4 sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84, 2.0 mi (3.2 km) northwest of Malvern, 5.8 mi (9.3 km) downstream from Remmel Dam, and at mile 450.1 (724.2 km).

DRAINAGE AREA.--1,585 mi^2 (4,105 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft (69.510 m) National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft (0.6 m) higher. June 1922 to September 1924, nonrecording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi (9.3 km) upstream at datum 20.11 ft (6.130 m) higher.

REMARKS.--Records good. Flow regulated since 1925 by Lake Catherine, 5.8 mi (9.3 km) upstream, capacity, 35,250 acre-ft (43.5 hm^3), since 1932 by Lake Hamilton, capacity, 190,100 acre-ft (234 hm^3), and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft (3,410 hm^3).

AVERAGE DISCHARGE.--53 years (1925-26, 1928-80), 2,370 ft^3/s (67.1 m^3/s), 1,717,000 acre-ft/yr (2,120 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft^3/s (3,960 m^3/s) May 15, 1923, gage height, 30.3 ft (9.24 m); minimum, 34 ft^3/s (0.96 m^3/s) May 15, 1977, gage height, 0.33 ft (0.101 m); minimum daily observed 40 ft^3/s (1.13 m^3/s) Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft^3/s (297 m^3/s) Sept. 28, gage height, 8.63 ft (2.630 m); minimum, 42 ft^3/s (1.19 m^3/s) July 21, Sept. 13, 24, gage height, 0.45 ft (0.137 m); minimum daily, 320 ft^3/s (9.06 m^3/s) May 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1720	2300	1690	775	3060	1450	1480	1460	2110	515	508	459
2	2200	2090	1110	1590	1490	2550	2210	2030	2060	952	542	588
3	1800	1850	2240	2140	933	1960	2050	2840	1960	666	456	850
4	2010	2010	2390	2320	2210	1700	851	1420	1760	421	848	1100
5	1780	1880	2090	1150	2470	1280	501	2010	2100	784	960	795
6	1010	1950	2120	829	2180	1450	652	1100	3370	557	1300	947
7	526	2070	2300	2060	2350	1780	1280	1220	2570	1280	995	893
8	1680	2060	1830	2400	2900	526	2060	3500	1360	1430	1130	1290
9	1430	2920	1950	2290	3270	546	942	1240	523	1620	699	933
10	1820	2100	1990	2250	2210	594	424	320	578	1550	1110	862
11	1860	1500	1080	2270	2080	828	1450	576	421	1580	1400	633
12	1960	1970	2530	1350	2300	2180	1120	3580	420	2050	1650	616
13	1850	2230	3500	688	2120	2090	3240	5010	460	1610	1650	703
14	1640	2040	2930	894	1710	901	6440	1080	459	2450	1270	1100
15	1870	1900	1370	1250	1610	376	2840	1900	422	3000	1270	1030
16	1850	2220	696	1880	2070	2010	3050	5010	421	1600	975	1490
17	1650	1340	1230	2110	1920	4850	1490	3410	410	1420	771	581
18	1920	704	2340	2110	1710	2720	1430	3600	411	498	1010	734
19	1740	1960	1310	1050	1240	2280	597	4040	1230	484	1300	882
20	1590	1990	1420	636	1630	2420	496	4200	514	403	558	449
21	1290	2260	1060	2230	1330	2120	426	4650	437	338	1250	1130
22	2910	2880	1360	3150	979	697	513	5590	652	488	988	1370
23	1870	2380	1960	3490	692	1790	508	4830	580	448	557	757
24	1960	1470	3680	3420	528	3340	1110	4430	559	409	408	399
25	1040	1390	3380	3380	2120	2120	3850	4540	1070	412	898	465
26	1680	1640	3330	1300	2130	1580	4510	3510	769	430	519	394
27	1580	2270	3290	935	977	1940	2040	2460	1270	1140	647	441
28	1600	2480	3230	2060	1370	3490	1160	2090	1030	404	466	4460
29	1770	2210	3240	1900	944	3530	957	2540	873	571	447	4890
30	1900	2190	2480	2330	---	2880	579	2030	573	1030	507	1050
31	3290	---	1880	2480	---	3020	---	2150	---	1190	540	---
TOTAL	54796	60254	67006	58717	52533	60998	50256	88366	31372	31730	27629	32291
MEAN	1768	2008	2161	1894	1811	1968	1675	2851	1046	1024	891	1076
MAX	3290	2920	3680	3490	3270	4850	6440	5590	3370	3000	1650	4890
MIN	526	704	696	636	528	376	424	320	410	338	408	394
AC-FT	108700	119500	132900	116500	104200	121000	99680	175300	62230	62940	54800	64050

CAL YR 1979 TOTAL 1400209 MEAN 3836 MAX 18200 MIN 382 AC-FT 2777000
WTR YR 1980 TOTAL 615948 MEAN 1683 MAX 6440 MIN 320 AC-FT 1222000

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, October 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT												
29...	1030	1028	1028	180	--	--	--	17.0	--	7.6	78	--
31...	1035	--	1028	--	--	--	--	--	--	--	--	--
DEC												
12...	1150	--	1028	--	--	--	--	--	--	--	--	--
18...	1000	9827	9827	--	408	8.8	--	7.0	--	--	--	--
JAN												
16...	0930	9827	9827	--	85	7.2	18.0	9.0	10	10.1	87	9
FEB												
11...	1100	1028	1028	3170	--	--	--	5.5	--	13.4	106	--
13...	0830	9827	9827	--	87	7.1	3.0	4.0	10	11.9	91	8
MAR												
12...	0850	9827	9827	--	104	7.0	7.0	9.0	10	9.9	85	8
APR												
16...	0830	9827	9827	--	101	7.0	24.0	13.0	20	9.5	90	8
MAY												
07...	0820	9827	9827	--	118	6.8	20.0	14.0	15	10.6	102	7
JUN												
11...	0810	9827	9827	--	106	8.0	27.0	20.0	15	7.2	78	10
AUG												
06...	0825	9827	9827	--	235	6.6	31.0	25.0	30	4.8	57	12
27...	0830	9827	9827	--	150	6.8	25.0	24.0	5	5.5	65	11
SEP												
03...	0820	9827	9827	--	163	--	25.0	24.0	--	5.4	64	11

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
29...	1030	--	--	28	--	--	--	--	18	7.7	13
DEC											
18...	1000	11	64	--	--	--	--	--	--	25	--
JAN											
16...	0930	.3	4	--	9.0	1.0	2.8	1.0	17	12	9.0
FEB											
11...	1100	--	--	27	--	--	--	--	14	9.0	5.9
13...	0830	1.5	16	--	--	--	--	--	--	14	13
MAR											
12...	0850	2.3	<4	--	--	--	--	--	--	16	7.0
APR											
16...	0830	3.0	470	25	6.8	1.7	7.0	2.0	16	11	13
MAY											
07...	0820	3.6	88	--	--	--	--	--	--	15	26
JUN											
11...	0810	4.8	4	--	--	--	--	--	--	14	12
AUG											
06...	0825	4.6	24	--	11	2.2	22	5.0	--	34	41
27...	0830	2.6	8	--	--	--	--	--	--	--	10
SEP											
03...	0820	--	20	--	--	--	--	--	--	--	14

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
29...	1030	59	--	.29	.010	.000	.52	.030	0	1	0
DEC											
18...	1000	--	32	.01	<.010	.050	--	.400	--	--	--
JAN											
16...	0930	53	9	.15	.010	.050	1.1	.010	--	<10	--
FEB											
11...	1100	52	--	.17	.010	.040	.34	.020	0	0	10
13...	0830	76	20	.16	.010	.080	.50	.010	--	<10	--
MAR											
12...	0850	81	1	.31	.020	.110	--	.030	--	<10	--
APR											
16...	0830	64	6	.35	--	.320	.70	.020	14	<10	1
MAY											
07...	0820	--	--	.60	.060	.290	.70	.030	--	<10	--
JUN											
11...	0810	67	4	.39	.010	.070	--	.010	--	<10	--
AUG											
06...	0825	122	3	.79	.110	1.400	.70	.040	--	<10	--
27...	0830	116	5	.29	.010	.050	3.2	.010	--	<10	--
SEP											
03...	0820	129	2	.32	.010	.050	2.2	--	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
29...	1030	2	170	5	100	70	--	--	--	--	--
DEC											
18...	1000	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
16...	0930	<20	40	<10	27	<10	--	--	--	--	--
FEB											
11...	1100	6	300	0	50	40	--	--	--	--	--
13...	0830	<20	330	--	100	<10	--	--	--	--	--
MAR											
12...	0850	<20	180	--	160	<10	--	--	--	--	--
APR											
16...	0830	<20	290	<10	47	<10	--	--	--	--	--
MAY											
07...	0820	<20	160	--	48	<10	--	--	--	--	--
JUN											
11...	0810	<20	140	--	44	100	--	--	--	--	--
AUG											
06...	0825	<20	50	<10	120	100	--	--	--	--	--
27...	0830	<20	70	--	77	100	--	--	--	--	--
SEP											
03...	0820	<20	50	--	77	20	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC							
18...	1000	.00	.00	.00	.00	0	.00

07359580 OUACHITA RIVER NEAR DONALDSON, AR

LOCATION.--Lat 34°14'16", long 92°57'32", in NE 1/4 sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi (3.2 km) west of Donaldson, 3.6 mi (5.8 km) downstream from Black Branch.

DRAINAGE AREA.--1,732 mi^2 (4,486 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	0900	9827	9827	110	6.8	20.0	17.0	5	7.9	81
DEC										
12...	0920	9827	9827	114	6.8	17.0	11.0	15	9.4	85
JAN										
16...	0905	9827	9827	82	7.2	17.0	10.0	10	11.4	101
FEB										
13...	0915	9827	9827	74	7.0	6.0	4.0	25	11.9	91
MAR										
12...	0925	9827	9827	96	7.0	9.0	9.0	5	9.9	85
APR										
15...	0915	9827	9827	102	7.1	24.0	13.0	20	8.9	84
MAY										
07...	0910	9827	9827	113	6.9	20.0	18.0	20	7.4	78
JUN										
11...	0845	9827	9827	112	6.8	29.0	22.0	15	6.8	77
AUG										
06...	0900	9827	9827	201	6.7	33.0	26.0	40	5.8	70
27...	0900	9827	9827	144	6.9	27.0	28.0	5	6.6	84
SEP										
03...	0900	9827	9827	159	--	25.0	27.0	5	6.3	78

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	0900	1.9	32	40	12	1.7	3.9	.7	16	19	6.0
DEC											
12...	0920	--	8	--	--	--	--	--	--	5.0	14
JAN											
16...	0905	.8	4	--	8.0	1.0	3.1	1.0	18	10	11
FEB											
13...	0915	1.7	28	--	--	--	--	--	--	11	6.0
MAR											
12...	0925	3.0	88	--	--	--	--	--	--	14	10
APR											
15...	0915	3.2	170	24	6.5	1.7	8.0	2.0	18	3.5	13
MAY											
07...	0910	4.6	76	--	--	--	--	--	--	10	25
JUN											
11...	0845	4.5	24	--	--	--	--	--	--	14	15
AUG											
06...	0900	2.9	140	--	9.0	1.7	18	4.0	--	29	36
27...	0900	3.4	96	--	--	--	--	--	--	28	10
SEP											
03...	0900	--	72	--	--	--	--	--	--	--	14

07359580 OUACHITA RIVER NEAR DONALDSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	0900	--	6	.31	.010	.050	.010	<5	<10	<5
DEC										
12...	0920	62	<1	.31	.010	.500	.040	--	--	--
JAN										
16...	0905	45	6	.16	.010	.050	.010	--	<10	--
FEB										
13...	0915	75	20	.15	.010	.050	.030	--	--	--
MAR										
12...	0925	66	5	.40	.020	.080	.040	--	--	--
APR										
15...	0915	62	12	.34	--	.220	.040	7	<10	2
MAY										
07...	0910	--	--	.57	.050	.220	.050	--	--	--
JUN										
11...	0845	64	8	.58	.010	.040	.040	--	--	--
AUG										
06...	0900	115	2	.84	.060	.380	.060	--	<10	--
27...	0900	10	9	.27	.010	.050	.020	--	--	--
SEP										
03...	0900	117	11	.29	<.010	.040	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
16...	0900	<20	1100	<10	21	430
JAN						
16...	0905	<20	90	<10	44	<10
APR						
15...	0915	<20	540	<10	110	<10
AUG						
06...	0900	<20	310	<10	190	70

07359770 CADDO RIVER NEAR AMITY, AR

LOCATION.--Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi (4.7 km) northeast of Amity.

DRAINAGE AREA.--291 mi^2 (754 km^2).

PERIOD OF RECORD.--August 1972 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1510	9827	9827	110	7.6	22.0	12.0	0	9.7	90
NOV										
13...	1530	9827	9827	107	7.1	13.0	11.0	5	11.4	103
DEC										
11...	1615	9827	9827	107	7.6	20.0	9.0	5	11.9	103
JAN										
15...	1600	9827	9827	92	7.7	19.0	9.0	15	11.2	97
MAR										
11...	1600	9827	9827	92	7.7	15.0	10.0	5	10.9	96
APR										
15...	1600	9827	9827	63	7.2	24.0	13.0	30	11.1	105
MAY										
06...	1540	9827	9827	69	7.4	29.0	19.0	15	10.3	110
JUN										
10...	1630	9827	9827	98	7.7	37.0	25.0	10	10.4	124
AUG										
05...	1615	9827	9827	114	3.2	41.0	26.0	30	9.2	112
26...	1545	9827	9827	119	7.7	41.0	29.0	0	8.6	110
SEP										
02...	1430	9827	9827	127	--	40.0	28.0	--	8.0	101

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
16...	1510	.9	8	55	17	2.2	2.1	.8	44	5.0	5.0
NOV											
13...	1530	2.6	4	--	--	--	--	--	--	4.0	5.0
DEC											
11...	1615	2.1	4	--	--	--	--	--	--	4.5	6.0
JAN											
15...	1600	--	8	--	12	2.0	2.4	.7	36	3.5	9.0
MAR											
11...	1600	1.4	<4	--	--	--	--	--	--	4.5	4.0
APR											
15...	1600	2.3	--	20	5.5	1.2	3.1	1.0	19	4.5	4.0
MAY											
06...	1540	1.5	16	--	--	--	--	--	--	3.5	14
JUN											
10...	1630	--	12	--	--	--	--	--	--	5.5	5.0
AUG											
05...	1615	3.1	40	--	15	2.2	2.0	.9	--	7.0	7.0
26...	1545	3.4	60	--	--	--	--	--	--	6.0	3.0
SEP											
02...	1430	--	20	--	--	--	--	--	--	--	5.0

07359770 CADDO RIVER NEAR AMITY, AR

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
16...	1510	--	2	.01	<.010	<.010	.020	6	<10	<5
NOV										
13...	1530	68	2	.06	.010	--	.010	--	--	--
DEC										
11...	1615	60	<1	.01	<.010	.040	.010	--	--	--
JAN										
15...	1600	55	2	.16	.010	.080	<.010	--	<10	--
MAR										
11...	1600	49	<1	<.01	.010	.020	.010	--	--	--
APR										
15...	1600	51	8	.18	--	.040	.030	14	<10	4
MAY										
06...	1540	--	--	.12	.010	.010	.030	--	--	--
JUN										
10...	1630	60	4	.12	.010	.010	.020	--	--	--
AUG										
05...	1615	78	5	<.01	.010	.080	.040	--	<10	--
26...	1545	85	7	.02	<.010	.050	.010	--	--	--
SEP										
02...	1430	82	5	.02	<.010	.010	--	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
16...	1510	<20	1800	<10	10	290
JAN						
15...	1600	<20	<30	<10	<10	<10
APR						
15...	1600	<20	700	<10	170	10
AUG						
05...	1615	<20	110	<10	29	30

07360162 OUACHITA RIVER NEAR SPARKMAN, AR

LOCATION.--Lat 33°53'54", long 92°54'24", in sec.36, T.9 S., R.18 W., Clark-Dallas County line, Hydrologic Unit 08040102, at bridge on county road, 3.0 mi (4.8 km) southwest of Sparkman.

DRAINAGE AREA.--2,716 mi^2 (7,034 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1755	9827	9827	113	7.1	20.0	23.0	10	8.4	97
29...	1110	9827	9827	83	6.8	17.0	18.0	0	9.0	95
NOV										
27...	0945	9827	9827	88	7.0	17.0	12.0	30	9.8	91
FEB										
26...	1014	9827	9827	99	6.9	5.0	10.0	15	11.0	97
MAR										
25...	1000	9827	9827	47	6.1	12.0	11.0	70	9.2	83
APR										
22...	1325	9827	9827	--	6.7	30.0	20.0	30	8.5	92
JUN										
03...	1030	9827	9827	108	6.4	29.0	24.0	30	--	--
24...	0950	9827	9827	311	7.2	30.0	27.0	30	6.8	84
JUL										
22...	1545	9827	9827	--	7.0	38.0	30.0	20	8.5	112
AUG										
19...	1020	9827	9827	161	6.9	32.0	28.0	30	8.1	103
SEP										
16...	1000	9827	9827	193	7.1	--	28.0	5	7.3	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1755	1.3	32	34	9.6	2.1	5.8	1.0	18	17	5.0
29...	1110	1.2	230	--	--	--	--	--	--	9.0	8.0
NOV											
27...	0945	1.0	12	--	--	--	--	--	--	13	4.0
FEB											
26...	1014	1.0	<13	--	--	--	--	--	--	16	8.0
MAR											
25...	1000	4.0	28	--	--	--	--	--	--	7.0	3.0
APR											
22...	1325	2.9	12	22	5.6	1.5	5.9	2.0	14	10	8.0
JUN											
03...	1030	--	380	--	--	--	--	--	--	11	--
24...	0950	--	80	--	--	--	--	--	--	21	12
JUL											
22...	1545	2.0	<4	--	--	1.9	--	2.0	20	22	13
AUG											
19...	1020	1.1	16	--	--	--	--	--	--	26	13
SEP											
16...	1000	1.1	<4	--	--	--	--	--	--	--	26

07360162 OUACHITA RIVER NEAR SPARKMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1755	--	17	--	.010	.060	.040	<5	<10	<5
29...	1110	52	14	.20	.010	.080	.030	--	--	--
NOV										
27...	0945	63	4	.14	<.010	.090	.030	--	--	--
FEB										
26...	1014	69	8	.37	.020	--	.030	--	--	--
MAR										
25...	1000	72	41	.09	.010	.020	.050	--	--	--
APR										
22...	1325	69	16	.28	.010	.070	.040	<1	<10	3
JUN										
03...	1030	77	24	.57	.020	.080	.050	--	--	--
24...	0950	109	--	.46	.010	.080	.040	--	--	--
JUL										
22...	1545	--	--	.34	.010	.040	.040	--	<10	--
AUG										
19...	1020	85	--	.38	<.010	.040	.040	--	--	--
SEP										
16...	1000	92	16	.71	.030	--	.020	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1755	<20	580	<10	70	50	--	--	--	--	--
FEB											
26...	1014	--	--	--	--	--	.00	.00	.00	.00	.00
APR											
22...	1325	<20	780	20	180	20	--	--	--	--	--
JUL											
22...	1545	<20	730	30	330	80	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB							
26...	1014	.00	.00	.00	.00	0	.00

07361500 ANTOINE RIVER AT ANTOINE, AR

LOCATION.--Lat 34°02'20", long 93°25'05", in NW 1/4 NW 1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi (2.6 km) downstream from Brushy Creek, 1.9 mi (3.1 km) downstream from Suck Creek, and at mile 8.5 (13.7 km).

DRAINAGE AREA.--178 mi^2 (461 km^2).

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft (69.900 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft (23 m) upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 266 ft^3/s (7.53 m^3/s), 20.29 in/yr (515 mm/yr), 192,700 acre-ft/yr (238 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft^3/s (1,005 m^3/s) May 2, 1958, gage height, 28.75 ft (8.763 m); no flow at times in 1956, 1964, 1969, 1972, 1978, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft (9.05 m), from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s (1,133 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft^3/s (170 m^3/s) and maximum (*):

Date	Time	Discharge (ft¶/s)	Discharge (m¶/s)	Gage height (ft)	Gage height (m)
Dec. 24	0130	6,790	192	18.99	5.788
Sept. 28	1900	*11,900	337	22.30	6.797

No flow Sept. 12-24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	28	40	160	196	113	373	350	264	8.0	2.0	.19
2	13	24	37	143	186	113	302	336	208	6.2	1.5	.16
3	11	20	32	140	183	101	258	751	180	4.3	1.2	.14
4	9.5	15	29	138	181	96	218	440	157	3.4	.99	.12
5	7.8	12	27	123	182	94	185	310	134	2.8	.91	.10
6	6.8	11	25	111	186	88	171	231	113	2.4	.78	.07
7	6.5	9.6	24	113	173	78	163	188	94	2.0	.69	.06
8	5.6	9.1	22	110	893	75	152	167	80	1.7	.62	.05
9	4.7	20	20	94	1800	72	133	146	70	1.5	.56	.04
10	4.2	35	20	86	906	64	115	126	62	1.3	.51	.02
11	3.7	28	31	91	673	59	184	113	53	1.1	.45	.01
12	3.3	24	611	93	649	248	870	269	44	.99	.42	.00
13	3.0	22	1520	80	545	240	2710	504	36	.95	.46	.00
14	2.8	20	500	76	472	166	2910	253	29	.85	.52	.00
15	2.7	18	307	72	415	144	1030	255	24	.81	.61	.00
16	2.6	17	235	99	364	495	630	3110	21	.75	.65	.00
17	2.9	15	192	144	302	1250	455	1270	17	.66	.63	.00
18	3.9	14	164	125	268	703	420	643	15	.61	.63	.00
19	3.8	14	143	113	250	464	310	410	36	.55	.61	.00
20	4.1	14	130	123	232	360	245	301	171	.48	.56	.00
21	4.0	29	117	523	209	282	204	231	119	.44	.54	.00
22	12	321	197	1800	190	220	178	458	77	.38	.53	.00
23	15	187	1300	1170	177	369	159	809	54	.30	.47	.00
24	9.0	138	3550	661	163	1120	144	442	44	.24	.42	.00
25	6.2	107	883	473	149	608	863	305	33	.20	.37	.01
26	4.7	87	534	364	136	442	841	232	26	4.6	.32	.06
27	4.2	74	376	292	128	349	504	190	21	24	.29	.67
28	5.2	66	288	242	124	366	346	292	16	27	.27	6420
29	7.4	53	240	224	116	379	260	1220	12	15	.24	5380
30	9.9	45	212	228	---	714	206	547	9.9	7.2	.22	1360
31	37	---	182	231	---	487	---	394	---	3.5	.20	---
TOTAL	231.5	1476.7	11988	8442	10448	10359	15539	15293	2219.9	124.21	19.17	13161.70
MEAN	7.47	49.2	387	272	360	334	518	493	74.0	4.01	.62	439
MAX	37	321	3550	1800	1800	1250	2910	3110	264	27	2.0	6420
MIN	2.6	9.1	20	72	116	59	115	113	9.9	.20	.20	.00
CFSM	.04	.28	2.17	1.53	2.02	1.88	2.91	2.77	.42	.02	.003	2.47
IN.	.05	.31	2.51	1.76	2.18	2.16	3.25	3.20	.46	.03	.00	2.75
AC-FT	459	2930	23780	16740	20720	20550	30820	30330	4400	246	38	26110

CAL YR 1979 TOTAL 169076.30 MEAN 463 MAX 8540 MIN 2.3 CFSM 2.60 IN 35.33 AC-FT 335400
WTR YR 1980 TOTAL 89302.18 MEAN 244 MAX 6420 MIN .00 CFSM 1.37 IN 18.66 AC-FT 177100

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR

LOCATION.--Lat 33°52'32", long 93°18'16", in NE 1/4 sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi (2.4 km) northeast of Boughton, 5.9 mi (9.5 km) downstream from Howard Creek, 10.2 mi (16.4 km) downstream from Antoine River, and at mile 46.8 (75.3 km).

DRAINAGE AREA.--1,068 mi^2 (2,766 km^2).

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	1600	9827	9827	55	6.8	30.0	21.0	20	9.2	102
NOV 06...	1630	9827	9827	261	7.2	15.0	12.0	20	10.3	95
DEC 04...	1700	9827	9827	56	7.1	18.0	9.0	30	11.6	100
JAN 08...	1715	9827	9827	94	6.4	7.0	5.0	50	11.0	86
FEB 05...	1700	9827	9827	86	7.0	3.0	3.0	40	12.4	92
MAR 04...	1700	9827	9827	101	7.2	11.0	5.0	25	12.6	98
APR 01...	1630	9827	9827	96	6.9	27.0	11.0	60	10.0	90
MAY 13...	1700	9827	9827	69	--	30.0	19.0	50	8.5	90
JUN 03...	1645	9827	9827	82	7.2	31.0	24.0	60	--	--
JUL 08...	1700	9827	9827	--	7.0	35.0	28.0	40	9.5	120
AUG 26...	1700	9827	9827	--	7.0	40.0	25.0	40	9.2	110
SEP 23...	1700	9827	9827	89	7.3	31.0	27.0	10	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 09...	1600	--	4	20	5.3	1.4	2.6	.9	14	4.5	4.0
NOV 06...	1630	1.4	10	--	--	--	--	--	--	7.5	--
DEC 04...	1700	4.1	20	--	--	--	--	--	--	4.5	5.0
JAN 08...	1715	2.3	32	--	10	1.0	5.0	1.0	--	7.0	13
FEB 05...	1700	3.0	12	--	--	--	--	--	--	6.5	10
MAR 04...	1700	1.8	<4	--	--	--	--	--	--	7.0	17
APR 01...	1630	2.0	--	39	12	1.5	3.9	2.0	36	5.5	15
MAY 13...	1700	1.9	<4	--	--	--	--	--	--	5.5	6.0
JUN 03...	1645	--	80	--	--	--	--	--	--	4.5	15
JUL 08...	1700	3.0	8	--	6.0	1.7	3.0	1.0	18	5.5	1.0
AUG 26...	1700	2.8	36	--	--	--	--	--	--	5.5	<1.0
SEP 23...	1700	--	12	--	--	--	--	--	--	5.0	3.0

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 09...	1600	52	8	.04	.010	.040	.010	<5	<10	<5
NOV 06...	1630	190	2	.07	.010	.100	--	--	--	--
DEC 04...	1700	46	4	.09	.010	.060	.020	--	--	--
JAN 08...	1715	82	8	.27	.010	.050	.040	--	<10	--
FEB 05...	1700	63	6	.31	.010	--	.070	--	--	--
MAR 04...	1700	56	2	.19	.020	.060	.040	--	--	--
APR 01...	1630	93	28	.12	.050	.160	.070	5	<10	4
MAY 13...	1700	66	46	--	.020	.060	.040	--	--	--
JUN 03...	1645	65	24	.19	.020	.080	.050	--	--	--
JUL 08...	1700	--	4	.14	.010	.060	1.900	--	<10	--
AUG 26...	1700	45	11	.13	.010	.040	.020	--	--	--
SEP 23...	1700	45	8	--	.010	.100	.030	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 09...	1600	<20	660	<10	56	20	.00	.00	.00	.00	.00
JAN 08...	1715	<20	--	--	100	<10	--	--	--	--	--
FEB 05...	1700	--	--	--	--	--	.00	.00	.00	.00	.00
APR 01...	1630	<20	1900	40	130	<10	--	--	--	--	--
JUN 03...	1645	--	--	--	--	--	.00	.00	.00	.00	.00
JUL 08...	1700	<20	760	30	--	<10	.00	.00	.00	.00	.00
AUG 26...	1700	--	--	--	--	--	.00	.00	.00	.00	.00
SEP 23...	1700	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT 09...	1600	.00	.00	.00	.00	0	.00
FEB 05...	1700	.00	.00	.00	.00	0	.00
JUN 03...	1645	.00	.00	.00	.00	0	.00
JUL 08...	1700	.00	.00	.00	.00	0	.00
AUG 26...	1700	.00	.00	.00	.00	0	.00
SEP 23...	1700	.00	.00	.00	.00	0	.00

07362000 OUACHITA RIVER AT CAMDEN, AR

LOCATION.--Lat 33°35'47", long 92°49'05", in SE 1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi (5.5 km) downstream from Ecore Fabre Bayou, 6.2 mi (10.0 km) upstream from Two Bayou Creek, and at mile 354.1 (569.7 km).

DRAINAGE AREA.--5,357 mi^2 (13,870 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of Corps of Engineers. Monthly discharge only October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft (21.851 m) National Geodetic Vertical Datum of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi (0.6 km) downstream at present datum. Aug. 10, 1928, to May 31, 1949, supplementary nonrecording gage, 4.5 mi (7.2 km) upstream. Since Jan. 1, 1957, auxiliary water-stage recorder 3.2 mi (5.1 km) downstream.

REMARKS.--Records good. Flow regulated since 1925 by Lake Catherine, 102 mi (164 km) upstream, capacity, 35,250 acre-ft (43.5 hm^3), since 1932 by Lake Hamilton, capacity 190,100 acre-ft (234 hm^3), since 1949 by Lake Greeson, capacity, 407,900 acre-ft (503 hm^3), since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft (3,410 hm^3), and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft (1,090 hm^3).

AVERAGE DISCHARGE.--52 years, 7,482 ft^3/s (212 m^3/s), 5,421,000 acre-ft/yr (6,680 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft^3/s (6,880 m^3/s) Apr. 3, 1945, gage height, 44.82 ft (13.661 m); minimum, 125 ft^3/s (3.54 m^3/s) Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,100 ft^3/s (1,050 m^3/s) Apr. 17; maximum gage height, 30.74 ft (9.370 m); minimum, 225 ft^3/s (6.37 m^3/s) July 24, gage height, 3.26 ft (0.994 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2030	4690	4790	5500	9550	4400	16100	5070	9670	2180	1970	502
2	2340	5340	4490	4500	12100	4400	14100	5000	7060	1250	1510	534
3	3720	4600	4300	4100	8320	5200	12000	7030	5790	1550	1520	482
4	3370	3800	3700	5500	6040	5600	10100	11000	5800	1880	1110	410
5	3480	3400	3500	6960	5160	4070	7420	10200	5220	1800	994	437
6	3750	3200	3800	6170	7000	3400	5020	9030	6620	1320	1110	1210
7	2790	3100	4100	5180	6790	2900	3990	7360	6890	1100	1200	1910
8	2290	3500	3800	3940	8400	3000	4040	5890	7040	755	1350	1400
9	1680	4100	3400	4950	13000	3200	4880	7550	5430	1970	1220	1120
10	2500	4920	3100	4790	18300	2500	5180	7130	4000	2960	1260	1270
11	2530	5690	3000	4720	20500	2400	4500	5440	3100	3100	1080	1190
12	2340	5390	3500	4950	21000	3500	7500	3380	2300	2870	1180	1080
13	2180	4910	5000	4430	19900	7400	13000	5960	1800	3210	2390	1080
14	2470	4650	10000	3800	17000	8070	19300	14900	1400	2410	2790	1050
15	2780	4810	17600	3400	14000	7530	26800	16900	1100	3390	3040	983
16	2520	4010	16200	3300	11000	5460	33600	16900	1000	4990	2130	1150
17	2730	3720	12200	4500	8450	7280	36100	21200	1200	3870	2090	1420
18	2690	3310	8150	6040	7510	15400	34500	22000	1460	2860	1440	1790
19	2350	2190	6220	6120	6500	18900	26900	24700	1130	2080	1060	1730
20	2410	1680	5520	5690	5880	18500	17400	23700	1140	1430	926	1130
21	2550	2910	4320	5400	5360	15800	11200	21100	1870	1360	1480	1110
22	2660	4170	3900	9540	4950	13200	7860	17200	1530	516	1220	981
23	3720	7320	5500	17400	4720	10300	5680	17600	1380	299	1550	1000
24	3640	8730	9000	21100	4500	11900	4460	19400	1480	248	1810	1640
25	2230	8000	16600	22200	4100	19400	3570	20700	2150	312	1310	1040
26	2510	6500	20100	22400	4500	22400	5820	22000	1960	429	1050	1050
27	1860	5520	19800	19200	5000	21300	11000	20200	2480	618	1030	1010
28	1910	4920	18800	11400	5000	18200	11000	14300	2420	727	966	1200
29	2210	4750	15000	7630	4600	15000	8580	11600	3070	1410	817	6080
30	2300	4720	9500	6820	---	10800	6000	13800	2800	1080	952	16000
31	2840	---	7000	7100	---	15600	---	13500	---	1110	613	---
TOTAL	81380	138550	255890	248730	269130	307010	377600	421740	100290	55084	44168	52989
MEAN	2625	4618	8255	8024	9280	9904	12590	13600	3343	1777	1425	1766
MAX	3750	8730	20100	22400	21000	22400	36100	24700	9670	4990	3040	16000
MIN	1680	1680	3000	3300	4100	2400	3570	3380	1000	248	613	410
AC-FT	161400	274800	507600	493400	533800	609000	749000	836500	198900	109300	87610	105100

CAL YR 1979	TOTAL	4622360	MEAN	12660	MAX	66000	MIN	1160	AC-FT	9168000
WTR YR 1980	TOTAL	2352561	MEAN	6428	MAX	36100	MIN	248	AC-FT	4666000

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to current year.
WATER TEMPERATURES: July 1976 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.---
SPECIFIC CONDUCTANCE: Maximum daily, 197 micromhos Oct. 27, 1978; minimum daily, 50 micromhos Dec., 11, 1978.
WATER TEMPERATURES: Maximum daily, 32.0°C July 13, 1977, July 10, 1978; minimum daily, 1.0°C Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 196 micromhos Aug. 13; minimum daily, 53 micromhos May 16.
WATER TEMPERATURES: Maximum daily, 32.0°C July 9, 10; minimum daily, 3.5°C Feb. 2.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
11...	1030	1028	1028	3040	93	6.9	18.0	1.3	8.5	89	K190	K20
24...	1240	1028	1028	3420	--	--	18.0	--	--	--	--	--
NOV												
08...	1045	1028	1028	2870	97	7.0	14.0	7.8	9.1	88	23	20
DEC												
04...	1100	1028	1028	--	93	7.3	7.0	10	11.0	91	13	K3
JAN												
09...	1045	1028	1028	5300	95	7.6	6.5	11	10.4	84	16	K12
10...	1400	1028	1028	4800	--	--	9.0	--	--	--	--	--
FEB												
07...	1100	1028	1028	6590	80	7.4	6.0	16	--	--	97	K23
12...	1400	1028	1028	21200	65	7.1	1.0	42	12.7	89	--	--
13...	1015	1028	1028	21400	--	--	4.0	--	--	--	--	--
MAR												
04...	1045	1028	1028	5720	98	6.5	7.0	12	11.0	90	7	K4
APR												
10...	1230	1028	1028	5160	--	--	18.0	--	--	--	--	--
29...	1030	1028	1028	8840	95	7.5	16.0	11	8.0	101	140	<2
JUN												
04...	1015	1028	1028	5820	108	6.7	26.0	40	8.0	98	91	57
05...	1300	1028	1028	4820	--	--	25.0	--	--	--	--	--
30...	0900	1028	1028	300	101	7.1	28.0	7.8	--	--	K53	540
JUL												
23...	1000	1028	1028	558	93	7.2	30.0	8.2	6.9	90	K7	--
AUG												
01...	1230	1028	1028	2070	--	--	29.0	--	--	--	--	--
SEP												
04...	1230	1028	1028	394	110	7.2	30.0	9.6	8.5	110	2	55
25...	0930	1028	1028	986	--	--	25.0	--	--	--	--	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT											
11...	24	12	6.8	1.6	7.3	38	.7	1.7	12	18	8.4
NOV											
08...	25	14	7.4	1.5	8.1	39	.7	2.2	11	16	6.6
DEC											
04...	27	12	8.8	1.3	4.5	25	.4	1.2	15	9.5	12
JAN											
09...	23	9	6.7	1.6	7.2	45	.6	1.7	14	12	10
FEB											
07...	24	10	7.0	1.5	4.2	27	.4	1.1	14	12	7.8
12...	21	11	6.7	1.1	3.4	24	.3	1.3	10	12	5.8
MAR											
04...	23	8	7.0	1.4	9.0	44	.8	1.6	15	14	11
APR											
29...	26	10	8.1	1.3	4.7	27	.4	1.7	16	11	9.2
JUN											
04...	23	6	6.7	1.5	6.5	36	.6	1.6	17	13	7.8
30...	28	0	8.9	1.5	6.3	31	.5	1.3	34	8.4	15
JUL											
23...	20	9	6.0	1.1	6.3	39	.6	1.7	11	8.7	8.8
SEP											
04...	30	19	9.2	1.7	6.6	31	.5	1.8	11	12	16

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)
OCT											
11...	.1	4.7	45	58	.06	369	.54	.040	.47	.51	.05
NOV											
08...	.1	4.9	87	63	.12	674	.55	.050	.47	.52	.05
DEC											
04...	.1	5.2	71	52	.10	--	.10	.030	.58	.61	.05
JAN											
09...	.1	7.3	71	57	.10	1020	.36	.120	1.1	1.2	.00
FEB											
07...	.1	5.8	64	49	.09	1140	.22	.110	.32	.43	.00
12...	.0	5.8	50	42	.07	2860	.16	.060	.60	.66	--
MAR											
04...	.1	5.7	52	61	.07	803	.47	.130	1.9	2.0	1.3
APR											
29...	.1	6.3	77	53	.10	1840	.24	.090	.71	.80	.18
JUN											
04...	.1	6.1	59	56	.08	927	.46	.060	1.1	1.2	.69
30...	.1	5.2	71	68	.10	57.5	.23	.090	.64	.73	.05
JUL											
23...	.2	5.8	53	48	.07	79.8	.23	.070	.81	.88	.44
SEP											
04...	.1	4.5	67	60	.09	71.3	.06	.000	.65	.65	.06

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
11...	.46	1.1	4.6	.010	.000	--	2.5	.2	31	254	67
NOV											
08...	.47	1.1	4.7	.040	.010	5.3	--	--	32	248	69
DEC											
04...	.56	.71	3.1	.030	.010	3.3	--	--	47	--	60
JAN											
09...	1.2	1.6	6.9	.050	.030	--	4.8	.3	11	157	85
FEB											
07...	.44	.65	2.9	.040	.020	4.0	--	--	21	374	80
12...	--	.82	3.6	.050	.010	--	8.5	1.0	38	2180	--
MAR											
04...	.67	2.5	11	.070	.020	3.1	--	--	26	402	75
APR											
29...	.62	1.0	4.6	.070	.030	--	8.8	.3	28	668	92
JUN											
04...	.51	1.7	7.3	.080	.050	5.8	--	--	53	833	91
30...	.57	.96	4.2	.060	.030	4.7	--	--	14	11	83
JUL											
23...	.44	1.1	4.9	.070	.030	--	3.6	.3	91	137	51
SEP											
04...	.59	.71	3.1	.040	.010	5.2	--	--	30	32	68

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
11...	1030	1	1	0	0	30	0	0	<1	20
NOV										
08...	1045	--	--	--	--	--	--	--	--	--
JAN										
09...	1045	--	--	200	200	30	0	0	<1	10
FEB										
07...	1100	--	--	--	--	--	--	--	--	--
12...	1400	0	--	0	--	--	1	--	--	0
APR										
29...	1030	1	0	200	200	30	1	--	<1	0
JUN										
04...	1015	--	--	--	--	--	--	--	--	--
JUL										
23...	1000	1	0	100	70	30	6	0	6	10
SEP										
04...	1230	--	--	--	--	--	--	--	--	--

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT										
11...	10	10	0	0	<3	2	1	1	490	--
JAN										
09...	10	0	2	0	<3	2	2	0	940	630
FEB										
12...	--	--	0	--	--	2	--	--	1300	1100
APR										
29...	0	0	0	--	<3	6	5	1	1300	950
JUL										
23...	0	10	2	--	<3	11	8	3	1800	1600

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT										
11...	150	4	2	2	70	40	30	.0	.0	.0
JAN										
09...	310	8	7	1	120	30	90	.1	.1	.0
FEB										
12...	170	2	--	--	80	--	--	.1	--	--
APR										
29...	350	5	2	3	100	60	40	.2	.0	.2
JUL										
23...	220	12	12	0	250	130	120	.4	.2	.2

DATE	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE) (01146)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG) (01076)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT									
11...	0	0	0	0	0	0	10	7	<3
NOV									
08...	--	--	--	0	--	--	--	--	--
JAN									
09...	0	0	0	0	0	0	--	--	<3
FEB									
07...	--	--	--	0	--	--	--	--	--
12...	0	--	--	0	--	--	0	--	--
APR									
29...	0	0	0	0	0	0	70	60	9
JUN									
04...	--	--	--	0	--	--	--	--	--
JUL									
23...	1	0	1	0	0	0	30	20	10
SEP									
04...	--	--	--	0	--	--	--	--	--

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

DATE	NOV 8,79	MAR 4,80	JUN 4,80	JUN 30,80	JUL 23,80	SEP 4,80
TIME	1045	1045	1015	0900	1000	1230
TOTAL CELLS/ML	3100	3600	410	1900	1100	990
DIVERSITY: DIVISION	1.4	0.4	1.1	0.9	0.6	0.8
.CLASS	1.4	0.4	1.1	0.9	0.6	0.8
..ORDER	1.9	0.7	2.0	1.8	0.8	1.7
...FAMILY	2.1	0.8	2.5	2.1	1.4	1.8
....GENUS	2.3	1.5	3.4	2.5	1.4	1.8

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	13	1	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	--	-	830#	77	--	-
...MICRACTINIACEAE												
....MICRACTINIUM	--	-	140	4	--	-	77	4	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	26	1	81	2	13	3	--	-	26	2	--	-
....CHODATELLA	*	0	--	-	13	3	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	*	0	13	3	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	52	13	--	-	--	-	--	-
....SELENASTRUM	77	3	--	-	--	-	--	-	--	-	13	1
....TETRAEDRON	26	1	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....CRUCIGENIA	--	-	--	-	--	-	410#	22	--	-	--	-
....SCENEDESMUS	440	14	--	-	52	13	360#	19	52	5	64	6
....TETRASTRUM	--	-	--	-	52	13	--	-	--	-	--	-
..TETRASPORALES												
...PALMELLACEAE												
....SPHAEROCYSTIS	--	-	--	-	52	13	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	64	2	26	6	720#	38	26	2	26	3
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	390	13	660#	18	39	9	13	1	--	-	--	-
....MELOSIRA	220	7	2500#	69	64#	16	--	-	--	-	--	-
..PENNALES												
...FRAGILARIACEAE												
....FRAGILARIA	--	-	--	-	--	-	26	1	--	-	--	-
....SYNEDRA	--	-	32	1	--	-	--	-	--	-	--	-
...NAVICULACEAE												
....NAVICULA	*	0	*	0	--	-	13	1	13	1	--	-
...NITZSCHIACEAE												
....NITZSCHIA	170	5	97	3	26	6	130	7	90	8	26	3
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....ANACYSTIS	140	5	--	-	13	3	100	5	--	-	350#	35
..HORMOGONALES												
...OSCILLATORIACEAE												
....LYNGBYA	--	-	--	-	--	-	--	-	--	-	490#	49
....OSCILLATORIA	1500#	50	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	13	1	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	--	-	13	1	26	3
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...GLENODINIACEAE												
....GLENODINIUM	--	-	--	-	--	-	26	1	13	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)
NOV												
08...	1045	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB												
07...	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	PARATHION, TOTAL (UG/L) (39540)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
NOV												
08...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB												
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	81	95	81	82	99	78	82	73	91	114	108
2	73	84	85	81	74	110	66	75	79	87	136	115
3	90	83	80	83	73	112	68	80	82	103	131	116
4	76	81	83	74	77	95	65	66	93	91	107	106
5	104	87	91	71	77	97	73	77	90	95	116	115
6	73	93	76	86	79	100	75	75	93	77	134	126
7	104	97	74	93	77	91	80	71	69	80	150	103
8	94	99	79	87	82	94	81	82	86	87	153	78
9	87	---	88	95	68	93	86	84	83	107	152	96
10	101	86	86	92	71	86	84	74	82	121	156	125
11	80	80	88	88	67	95	85	82	86	80	166	126
12	92	76	91	91	65	95	86	75	91	87	178	131
13	107	74	90	85	68	89	64	71	96	122	196	133
14	115	71	76	84	68	94	58	---	97	89	141	136
15	97	71	74	82	65	100	57	68	97	122	123	113
16	91	74	72	81	67	91	58	53	93	121	103	125
17	92	73	69	85	68	84	56	59	96	115	101	---
18	79	---	71	85	73	68	58	62	94	102	140	157
19	79	83	73	81	76	72	56	60	94	107	129	115
20	92	82	75	92	79	67	58	62	92	94	106	125
21	96	83	83	88	85	64	58	66	98	93	126	95
22	83	80	90	85	83	63	64	64	107	94	128	130
23	98	78	94	85	87	65	70	59	113	86	127	142
24	94	85	96	73	84	60	69	66	113	97	116	142
25	89	83	75	71	86	58	75	62	115	102	84	140
26	99	80	69	71	89	57	80	63	114	102	90	143
27	97	82	73	70	92	55	92	63	106	102	94	108
28	91	86	75	67	93	59	99	63	108	97	107	122
29	86	88	73	67	89	58	89	71	106	100	118	122
30	80	89	68	69	---	70	82	65	89	105	121	84
31	72	---	75	74	---	72	---	57	---	117	116	---
MEAN	90	82	80	81	77	81	72	69	95	99	128	120

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.5	17.0	8.0	9.5	4.0	8.5	14.5	18.0	23.0	30.0	31.0	29.0
2	19.5	16.5	8.0	9.0	3.5	8.0	14.5	17.0	25.0	31.0	31.0	29.0
3	19.0	15.0	9.0	8.5	4.0	7.5	15.5	18.0	25.0	31.0	30.0	29.0
4	19.0	13.5	8.5	8.0	4.5	7.0	15.5	17.0	25.0	31.5	30.0	30.0
5	20.0	14.5	9.0	8.0	5.0	8.0	15.5	19.0	25.0	31.5	30.0	30.0
6	18.0	14.5	9.0	8.0	6.0	10.0	16.5	19.0	25.5	31.0	30.0	29.5
7	20.0	14.0	10.0	7.5	5.5	10.5	17.5	19.0	24.0	31.0	30.0	29.0
8	19.5	14.5	10.0	7.0	7.0	12.0	18.0	19.0	24.0	31.0	31.0	29.0
9	18.5	---	10.0	7.5	5.0	12.5	18.0	18.0	22.0	32.0	31.0	28.0
10	19.0	14.0	9.5	7.5	5.0	13.5	18.5	18.0	21.5	32.0	30.5	29.0
11	18.0	13.0	10.0	8.5	5.0	12.0	18.5	20.0	23.5	29.0	30.5	29.0
12	18.0	12.0	10.0	8.0	6.0	12.0	17.0	20.0	25.0	29.5	31.0	29.5
13	20.0	11.0	10.0	8.0	7.5	12.0	14.0	19.0	25.5	30.0	30.5	29.0
14	18.0	11.5	9.0	8.5	8.0	11.0	12.0	---	26.0	29.0	30.0	29.0
15	16.0	11.0	8.0	9.0	8.0	10.5	10.0	19.5	27.0	30.0	29.0	29.0
16	18.0	11.0	9.0	10.0	8.5	11.5	11.0	19.0	28.0	29.0	29.0	28.5
17	20.0	12.0	8.0	10.0	8.0	11.0	12.0	19.0	28.0	28.0	28.5	28.5
18	20.0	---	7.0	10.5	8.0	12.0	14.0	20.0	28.0	28.5	29.5	28.0
19	18.0	13.0	7.0	10.0	8.5	11.0	15.0	20.0	28.0	29.0	30.0	27.0
20	17.0	14.0	8.0	10.0	9.0	12.0	18.0	20.0	27.0	29.0	29.5	26.0
21	17.0	14.0	9.0	10.0	10.0	12.0	17.0	20.0	27.5	30.0	30.0	27.0
22	24.0	13.0	10.0	9.5	11.0	12.5	18.0	19.5	28.0	30.0	30.0	28.0
23	23.5	12.5	11.0	9.0	12.5	12.5	20.0	19.0	28.0	29.5	29.5	28.0
24	22.0	11.5	10.0	9.0	13.0	12.5	20.0	19.0	28.0	29.5	28.5	27.0
25	21.5	10.0	10.0	8.5	12.0	12.0	19.0	20.0	29.0	30.0	28.5	27.0
26	21.5	10.5	10.0	8.0	10.0	12.0	18.5	21.0	30.0	30.0	29.0	25.0
27	21.0	11.0	10.0	8.0	11.0	11.0	17.0	21.0	30.0	28.0	29.0	23.0
28	21.0	10.5	9.5	8.0	12.0	12.0	16.0	22.0	31.0	28.5	29.0	20.0
29	21.0	10.0	9.0	7.5	10.0	14.0	17.0	22.0	30.5	29.0	29.0	18.5
30	20.5	9.0	9.0	6.0	---	11.0	18.0	22.0	30.0	30.0	28.5	18.0
31	18.5	---	9.0	4.5	---	12.0	---	22.5	---	30.5	28.5	---
MEAN	19.5	12.5	9.0	8.5	8.0	11.0	16.0	19.5	26.5	30.0	29.5	27.0

07362100 SMACKOVER CREEK NEAR SMACKOVER, AR

LOCATION.--Lat 33°22'33", long 92°46'37", in NW 1/4 SE 1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi (0.2 km) downstream from Camp Creek, 3.3 mi (5.3 km) northwest of Smackover, and at mile 22.0 (35.4 km).

DRAINAGE AREA.--385 mi^2 (997 km^2).

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft (29.736 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 389 ft^3/s (11.0 m^3/s), 13.72 in/yr (348 mm/yr), 281,800 acre-ft/yr (347 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft^3/s (1,490 m^3/s) June 8, 1974, gage height, 24.97 ft (7.611 m), from rating curve extended above 31,000 ft^3/s (878 m^3/s); no flow for part of Aug. 9, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,400 ft^3/s (68 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 24	0600	4,150	118	15.10	4.602	Mar. 31	1100	2,540	71.9	13.69	4.173
Feb. 11	0100	2,730	77.3	13.75	4.191	Apr. 15	0600	*4,930	140	15.39	4.691
Mar. 18	1800	3,000	85.0	14.17	4.319	May 24	1800	3,720	105	14.82	4.517

Minimum discharge, 1.1 ft^3s (0.031 m^3/s) Aug. 27, 28, 29, gage height, 2.03 ft (0.619 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	146	168	283	803	221	2160	366	166	23	7.5	3.0
2	14	158	151	251	748	275	1680	578	139	22	6.7	2.7
3	13	114	139	306	646	273	1330	737	122	20	6.3	2.7
4	12	68	131	519	518	238	991	729	107	18	5.4	2.8
5	11	46	126	581	447	223	703	508	95	16	4.6	3.3
6	11	36	125	491	477	218	481	453	85	15	4.2	3.2
7	9.8	30	124	367	494	213	372	491	76	14	3.9	2.8
8	9.0	27	120	299	573	250	336	592	67	12	3.7	2.5
9	9.3	171	113	263	1600	251	305	496	66	11	3.4	2.3
10	8.2	547	105	233	2460	219	266	379	83	10	3.3	2.1
11	8.1	582	101	225	2630	193	254	269	89	9.9	3.1	2.1
12	8.1	498	111	235	2310	614	921	208	77	9.2	3.0	2.1
13	8.1	271	330	241	1960	1210	2290	418	63	8.8	2.6	1.9
14	8.0	132	577	218	1580	1310	4100	666	52	8.5	2.2	1.9
15	7.7	97	611	195	1210	1200	4720	754	45	7.6	2.0	1.9
16	7.6	80	562	193	896	1020	3300	1140	39	7.2	2.0	1.8
17	8.5	69	444	240	683	2200	2280	1590	34	6.7	1.7	2.7
18	13	63	269	320	519	2800	1840	1700	31	6.3	1.6	3.7
19	20	57	201	335	414	2410	1630	1450	32	6.1	1.6	4.8
20	24	52	179	410	375	1820	1480	1200	41	5.8	1.7	6.8
21	18	95	172	1010	358	1720	1190	902	56	5.6	1.9	13
22	31	753	197	2050	330	1530	857	705	64	5.6	1.8	8.5
23	65	1180	448	3650	292	1140	545	1480	67	5.3	1.5	6.4
24	69	1500	960	3990	262	1300	355	3160	68	4.8	1.3	5.3
25	54	1450	1330	2890	237	1750	382	2730	81	4.8	1.2	4.5
26	36	1140	1560	2110	213	2070	795	1810	63	4.7	1.2	4.2
27	26	901	1330	1670	196	1860	1000	1310	46	10	1.2	4.3
28	22	603	1100	1300	188	1630	746	871	36	11	1.1	6.0
29	97	288	861	948	188	1540	436	471	30	9.2	1.4	43
30	107	199	517	727	---	2190	285	253	26	19	1.4	143
31	91	---	327	758	---	2510	---	196	---	8.8	2.0	---
TOTAL	842.4	11353	13489	27308	23607	36398	38030	28612	2046	325.9	86.5	295.3
MEAN	27.2	378	435	881	814	1174	1268	923	68.2	10.5	2.79	9.84
MAX	107	1500	1560	3990	2630	2800	4720	3160	166	23	7.5	143
MIN	7.6	27	101	193	188	193	254	196	26	4.7	1.1	1.8
CFSM	.07	.98	1.13	2.29	2.11	3.05	3.29	2.40	.18	.03	.007	.03
IN.	.08	1.10	1.30	2.64	2.28	3.52	3.67	2.76	.20	.03	.01	.03
AC-FT	1670	22520	26760	54170	46820	72200	75430	56750	4060	646	172	586

CAL YR 1979 TOTAL 227300.1 MEAN 623 MAX 9550 MIN 7.6 CFSM 1.62 IN 21.96 AC-FT 450800
WTR YR 1980 TOTAL 182393.1 MEAN 498 MAX 4720 MIN 1.1 CFSM 1.29 IN 17.62 AC-FT 361800

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR

LOCATION.--33°22'46", long 92°43'09", in NE 1/4 sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi (1.8 km) north of Smackover.

DRAINAGE AREA.--411 mi^2 (1,064 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1610	9827	9827	1520	6.2	30.0	22.0	40	--	--	28
29...	1220	9827	9827	1590	5.2	19.0	17.0	20	6.9	71	28
NOV											
27...	1100	9827	9827	473	5.8	21.0	12.0	75	7.8	72	35
JAN											
29...	0935	9827	9827	336	5.6	.0	5.0	100	9.2	72	24
FEB											
26...	1207	9827	9827	661	5.9	14.0	12.0	50	9.3	86	19
MAR											
25...	1123	9827	9827	307	5.6	17.0	13.0	100	7.7	73	31
APR											
22...	0956	9827	9827	--	6.1	25.0	19.0	50	6.7	71	25
JUN											
03...	1230	9827	9827	572	5.1	31.0	25.0	80	--	--	27
24...	0630	9827	9827	1100	6.0	31.0	26.0	60	5.0	61	22
JUL											
22...	1040	9827	9827	--	6.5	29.0	29.0	80	3.4	44	25
AUG											
19...	1150	9827	9827	1450	6.6	36.0	29.0	50	3.9	50	31
SEP											
16...	1125	9827	9827	1420	6.7	43.0	28.0	15	2.5	--	32

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1610	1.1	64	150	39	12	180	5.0	5	590	6.0
29...	1220	1.6	>2100	--	--	--	--	--	--	490	7.0
NOV											
27...	1100	1.2	32	--	--	--	--	--	--	130	7.0
JAN											
29...	0935	.9	28	--	9.0	3.0	41	2.0	3	90	9.0
FEB											
26...	1207	1.0	26	--	--	--	--	--	--	200	9.0
MAR											
25...	1123	2.1	100	--	--	--	--	--	--	89	6.0
APR											
22...	0956	.9	>950	37	9.5	2.5	41	2.0	6	84	7.0
JUN											
03...	1230	--	>250	--	--	--	--	--	--	160	--
24...	0630	--	240	--	--	--	--	--	--	360	5.0
JUL											
22...	1040	--	<4	--	--	7.9	--	4.0	19	25	.3
AUG											
19...	1150	3.2	--	--	--	--	--	--	--	450	3.0
SEP											
16...	1125	3.0	110	--	--	--	--	--	--	--	<1.0

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1610	--	15	--	.010	.080	.70	.040	<5	<10	<5
29...	1220	952	26	.07	.010	.110	.19	.040	--	<10	--
NOV											
27...	1100	291	10	.01	<.010	.090	.45	.030	--	<10	--
JAN											
29...	0935	224	4	.02	.010	--	3.8	.010	--	<10	<5
FEB											
26...	1207	403	7	.02	.010	--	--	.030	--	<10	--
MAR											
25...	1123	255	25	.01	.030	.010	1.2	.040	--	<10	--
APR											
22...	0956	221	14	.03	<.010	.010	1.2	.030	3	<10	4
JUN											
03...	1230	351	30	.13	.010	.140	--	.090	--	<10	--
24...	0630	650	--	.21	.010	.100	--	.050	--	<10	--
JUL											
22...	1040	--	--	<.01	<.010	.040	.40	.030	--	<10	--
AUG											
19...	1150	894	--	.01	<.010	.040	2.2	.050	--	<10	--
SEP											
16...	1125	817	22	.02	.010	--	.90	.030	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1610	<20	1200	<10	820	80	--	--	--	--	--
29...	1220	<20	610	--	640	30	--	--	--	--	--
NOV											
27...	1100	<20	940	--	850	10	--	--	--	--	--
JAN											
29...	0935	<20	--	20	290	20	.00	.00	.00	.00	.00
FEB											
26...	1207	20	1300	--	1800	40	--	--	--	--	--
MAR											
25...	1123	<20	1400	--	440	40	--	--	--	--	--
APR											
22...	0956	<20	1300	30	300	10	--	--	--	--	--
JUN											
03...	1230	20	3000	--	570	40	--	--	--	--	--
24...	0630	20	2100	--	630	40	--	--	--	--	--
JUL											
22...	1040	<20	1500	30	2200	30	--	--	--	--	--
AUG											
19...	1150	20	1100	--	3100	70	--	--	--	--	--
SEP											
16...	1125	<20	1600	--	6300	40	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
29...	0935	.00	.00	.00	.00	0	.00

07362400 OUACHITA RIVER AT LOCK AND DAM 8, NEAR CALION, AR

LOCATION.--Lat 33°18'07", long 92°27'42", in sec.29, T.16 S., R.13 W., Union County, Hydrologic Unit 08040201, at south end on upstream side, at Lock and Dam 8, 7.0 mi (11.3 km) southeast of Calion.

PERIOD OF RECORD.--January 1972 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1205	9827	9827	329	7.0	26.0	25.0	40	7.2	86
29...	1545	9827	9827	187	6.9	23.0	20.0	15	8.1	88
NOV										
27...	1400	9827	9827	209	6.7	25.0	14.0	90	8.1	78
JAN										
29...	1030	9827	9827	118	5.4	.0	5.0	300	6.6	51
FEB										
26...	1512	9827	9827	248	6.7	22.0	3.0	50	9.2	87
MAR										
25...	1521	9827	9827	186	5.6	17.0	18.0	160	6.3	66
APR										
22...	1038	9827	9827	--	6.4	25.0	19.0	25	6.5	69
JUN										
03...	1545	9827	9827	371	6.4	32.0	33.0	150	--	--
24...	0730	9827	9827	316	6.9	28.0	30.0	80	6.7	88
JUL										
22...	1130	9827	9827	--	6.9	32.0	31.0	50	7.8	104
AUG										
19...	1550	9827	9827	262	7.2	38.0	33.0	20	9.6	132
SEP										
16...	1425	9827	9827	204	7.3	39.0	32.0	20	8.1	109

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1205	1.3	8	44	13	2.5	17	2.0	25	40	10
29...	1545	.7	--	--	--	--	--	--	--	38	9.0
NOV											
27...	1400	1.7	36	--	--	--	--	--	--	46	9.0
JAN											
29...	1030	1.9	190	--	5.0	2.0	13	2.0	9	30	16
FEB											
26...	1512	.9	13	--	--	--	--	--	--	60	11
MAR											
25...	1521	1.9	56	--	--	--	--	--	--	51	11
APR											
22...	1038	3.0	160	23	5.6	1.6	12	2.0	10	18	8.0
JUN											
03...	1545	--	310	--	--	--	--	--	--	55	--
24...	0730	--	36	--	--	--	--	--	--	71	16
JUL											
22...	1130	2.7	<4	--	--	3.2	--	2.0	18	27	15
AUG											
19...	1550	3.2	<4	--	--	--	--	--	--	70	35
SEP											
16...	1425	2.1	<4	--	--	--	--	--	--	--	21

07362400 OUACHITA RIVER AT LOCK AND DAM 8, NEAR CALION, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1205	--	21	--	.010	.110	.060	<5	<10	10
29...	1545	88	14	.04	.010	.100	.070	--	--	--
NOV										
27...	1400	157	25	.08	.010	.140	.070	--	--	--
JAN										
29...	1030	167	29	.02	.050	--	.020	--	<10	<10
FEB										
26...	1512	173	10	.21	.020	--	.030	--	--	--
MAR										
25...	1521	214	28	<.01	.060	.030	.090	--	--	--
APR										
22...	1038	109	9	.08	.010	.010	.060	2	<10	5
JUN										
03...	1545	189	72	.05	.020	.070	.130	--	--	--
24...	0730	250	--	.46	.010	.100	.050	--	--	--
JUL										
22...	1130	--	--	.33	.010	.080	.070	--	<10	--
AUG										
19...	1550	152	--	.95	.010	.060	.050	--	--	--
SEP										
16...	1425	128	13	.19	.040	--	.040	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1205	<20	990	<10	150	40	--	--	--	--	--
JAN											
29...	1030	<20	--	10	440	10	.00	.00	.00	.00	.00
APR											
22...	1038	<20	1200	<10	76	<10	--	--	--	--	--
JUL											
22...	1130	<20	750	40	120	40	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
29...	1030	.00	.00	.00	.00	0	.00

07362500 MORO CREEK NEAR FORDYCE, AR

LOCATION.--Lat 33°47'32", long 92°19'30", in NW 1/4 NW 1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, Hydrologic Unit 08040201, near center of stream on downstream side of bridge on State Highway 8, 1,100 ft (340 m) upstream from Caney Creek, 4.0 mi (6.4 km) southeast of Fordyce, 12.0 mi (19.3 km) upstream from White Water Creek, and at mile 38.2 (61.5 km).

DRAINAGE AREA.--240 mi^2 (622 km^2).

PERIOD OF RECORD.--August 1951 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 160.63 ft (48.960 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 239 ft^3/s (6.77 m^3/s), 13.52 in/yr (343 mm/yr), 173,200 acre-ft/yr (214 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s (759 m^3/s) May 2, 1958, gage height, 16.47 ft (5.020 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1938 reached a stage of 15.1 ft (4.60 m), from information by Arkansas State Highway and Transportation Department, discharge, 15,800 ft^3/s (447 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,800 ft^3/s (79 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 16	1400	3,130	88.6	11.81	3.600	Apr. 15	0500	*4,350	123	12.46	3.798
Mar. 19	1800	2,980	84.4	11.72	3.572	May 16	1500	3,140	88.9	11.82	3.603
Mar. 24	1000	3,480	98.6	12.03	3.667						

No flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	35	140	351	428	72	2440	74	187	1.5	.00	.00
2	6.6	18	120	233	369	69	2050	190	140	1.3	.00	.00
3	7.7	11	100	200	347	67	1350	1020	90	1.1	.00	.00
4	10	7.8	80	267	333	65	1020	795	58	.95	.00	.00
5	10	5.9	70	285	323	65	748	732	41	.71	.00	.00
6	9.5	5.8	60	293	358	64	470	700	31	.60	.00	.00
7	8.0	7.1	50	307	373	65	293	648	24	.48	.00	.00
8	6.5	7.1	45	312	552	68	190	726	20	.32	.00	.00
9	5.6	16	40	283	1980	69	134	607	16	.17	.00	.00
10	5.6	20	35	245	2380	65	104	427	13	.04	.00	.00
11	5.1	15	32	281	2650	58	87	345	11	.00	.00	.00
12	4.4	15	35	287	2400	178	275	329	8.9	.00	.00	.00
13	4.8	10	274	251	1910	368	1100	659	7.6	.00	.00	.00
14	3.7	10	473	226	1430	394	3370	2270	6.7	.00	.00	.00
15	2.3	9.5	557	224	1080	408	4360	2610	5.7	.00	.00	.00
16	1.2	9.0	2500	225	867	555	3380	2940	5.1	.00	.00	.00
17	.64	8.5	2290	281	663	1730	2200	2620	4.8	.00	.00	.00
18	.43	8.5	1520	330	498	2570	1450	2060	4.5	.00	.00	.00
19	.55	9.5	1070	393	370	2870	1000	1810	4.2	.00	.00	.00
20	.79	10	819	396	293	2710	717	1670	3.9	.00	.00	.00
21	.93	9.5	574	461	237	2050	458	1270	3.6	.00	.00	.00
22	4.5	150	372	993	197	1330	267	1750	3.2	.00	.00	.00
23	9.0	500	335	1750	169	1210	161	1400	3.2	.00	.00	.00
24	8.3	450	820	2040	146	3210	105	1020	3.0	.00	.00	.00
25	7.4	450	992	2220	125	2950	83	731	2.6	.00	.00	.00
26	7.5	800	827	1920	106	2770	110	678	2.4	.00	.00	.00
27	6.4	500	787	1450	92	2440	99	687	2.2	.00	.00	.00
28	7.5	350	791	1070	83	1770	74	584	2.0	.00	.00	2.6
29	18	240	795	829	75	1420	56	414	1.8	.00	.00	102
30	16	180	722	626	---	2550	45	291	1.7	.00	.00	269
31	33	---	549	520	---	2330	---	212	---	.00	.00	---
TOTAL	219.44	3868.2	17874	19549	20834	36540	28196	32269	708.1	7.17	.00	373.60
MEAN	7.08	129	577	631	718	1179	940	1041	23.6	.23	.000	12.5
MAX	33	800	2500	2220	2650	3210	4360	2940	187	1.5	.00	269
MIN	.43	5.8	32	200	75	58	45	74	1.7	.00	.00	.00
CFSM	.03	.54	2.40	2.63	2.99	4.91	3.92	4.34	.10	.001	.000	.05
IN.	.03	.60	2.77	3.03	3.23	5.66	4.37	5.00	.11	.00	.00	.06
AC-FT	435	7670	35450	38780	41320	72480	55930	64010	1400	14	.00	741

CAL YR 1979 TOTAL 220333.22 MEAN 604 MAX 5670 MIN .36 CFSM 2.52 IN 34.15 AC-FT 437000
WTR YR 1980 TOTAL 160438.51 MEAN 438 MAX 4360 MIN .00 CFSM 1.83 IN 24.87 AC-FT 318200

07362550 MORO CREEK NEAR BANKS, AR

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi (6.4 km) west of Banks.

DRAINAGE AREA.--385 mi^2 (997 km^2).

PERIOD OF RECORD.--April 1974 to September 1978, October 1979 to September 1980.

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

WATER QUALITY RECORDS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
OCT										
02...	1105	9827	9827	--	95	6.6	27.0	21.0	120	--
29...	1640	9827	9827	--	63	6.5	20.0	17.0	70	--
31...	1730	1028	1028	53	54	6.2	--	16.5	--	5.7
NOV										
27...	1500	9827	9827	--	52	6.0	23.0	12.0	120	--
JAN										
29...	1155	9827	9827	--	44	5.8	.0	5.0	150	--
FEB										
13...	1000	1028	1028	2200	--	--	--	.5	--	8.3
26...	1607	9827	9827	--	58	6.5	17.0	10.0	70	--
MAR										
25...	1611	9827	9827	--	43	5.8	15.0	13.0	120	--
APR										
22...	1123	9827	9827	--	--	6.2	27.0	20.0	75	--
MAY										
13...	1645	1028	1028	755	435	6.4	--	19.0	--	17
JUN										
03...	1638	9827	9827	--	85	5.9	37.0	25.0	100	--
23...	2030	9827	9827	--	65	6.8	27.0	25.0	100	--
JUL										
22...	1315	9827	9827	--	--	7.1	36.0	33.0	100	--

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT										
02...	6.1	68	1.9	80	20	--	4.4	--	1.6	--
29...	3.1	32	1.4	130	--	--	--	--	--	--
31...	5.7	58	--	--	14	2	--	3.7	--	1.1
NOV										
27...	8.0	74	2.0	80	--	--	--	--	--	--
JAN										
29...	10.4	81	1.3	140	--	--	2.0	--	1.0	--
FEB										
13...	12.0	83	--	--	9	7	--	2.3	--	.8
26...	9.9	88	1.0	39	--	--	--	--	--	--
MAR										
25...	8.6	81	2.0	76	--	--	--	--	--	--
APR										
22...	7.0	76	.9	390	12	--	2.6	--	.8	--
MAY										
13...	7.4	80	--	--	11	4	--	2.8	--	.9
JUN										
03...	--	--	--	52	--	--	--	--	--	--
23...	3.1	37	--	40	--	--	--	--	--	--
JUL										
22...	9.9	136	--	12	--	--	--	--	3.2	--

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA) (00929)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT										
02...	9.1	--	--	--	2.0	--	9	8.0	11	--
29...	--	--	--	--	--	--	--	6.0	7.5	--
31...	--	3.8	32	.4	--	2.8	12	7.9	5.0	.0
NOV										
27...	--	--	--	--	--	--	--	6.0	8.0	--
JAN										
29...	3.8	--	--	--	1.0	--	4	8.0	6.5	--
FEB										
13...	--	2.6	35	.4	--	1.3	2	6.7	3.0	.0
26...	--	--	--	--	--	--	--	9.0	11	--
MAR										
25...	--	--	--	--	--	--	--	5.0	7.0	--
APR										
22...	2.3	--	--	--	1.0	--	7	7.0	4.5	--
MAY										
13...	--	2.6	31	.3	--	1.3	7	2.4	3.1	.1
JUN										
03...	--	--	--	--	--	--	--	--	12	--
23...	--	--	--	--	--	--	--	6.0	8.5	--
JUL										
22...	--	--	--	--	3.0	--	39	2.0	14	--

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
OCT										
02...	--	--	--	--	--	--	.010	--	.070	--
29...	--	70	--	.10	--	.01	.010	--	.090	--
31...	12	62	44	.08	8.87	.00	.000	.00	.040	.05
NOV										
27...	--	85	--	.12	--	.01	.010	--	.110	--
JAN										
29...	--	88	--	.12	--	.05	.020	--	--	--
FEB										
13...	7.3	40	25	.05	238	.02	.010	.03	.060	.07
26...	--	86	--	.12	--	.02	.010	--	--	--
MAR										
25...	--	86	--	.12	--	<.01	.030	--	.030	--
APR										
22...	--	72	--	.10	--	.01	.010	--	<.010	--
MAY										
13...	8.3	52	26	.07	106	.19	.010	.20	.170	.21
JUN										
03...	--	85	--	.12	--	.24	.020	--	.180	--
23...	--	102	--	.14	--	.30	.010	--	.060	--
JUL										
22...	--	--	--	--	--	<.01	.010	--	.010	--

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
OCT									
02...	--	--	--	--	.090	--	--	--	--
29...	--	--	--	--	.080	--	--	--	--
31...	.50	.54	.54	2.4	.090	.15	.28	.040	.050
NOV									
27...	--	--	--	--	.060	--	--	--	--
JAN									
29...	--	--	--	--	.020	--	--	--	--
FEB									
13...	.46	.52	.55	2.4	.030	.09	.09	.000	.030
26...	--	.50	--	--	.050	--	--	--	--
MAR									
25...	--	--	--	--	.030	--	--	--	--
APR									
22...	--	--	--	--	.040	--	--	--	--
MAY									
13...	.73	.90	1.1	4.9	.070	--	.21	.030	--
JUN									
03...	--	--	--	--	.110	--	--	--	--
23...	--	--	--	--	.120	--	--	--	--
JUL									
22...	--	--	--	--	.100	--	--	--	--

07363002 SALINE RIVER WEST OF BENTON, AR

LOCATION.--Lat 34°33'46", long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 (5.5 km) downstream from confluence of North Fork and Alum Fork, and at mile 197.7 (318.1 km).

DRAINAGE AREA.--550 mi^2 (1,424 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1936	9827	9827	135	7.5	17.0	22.0	15	8.3	94
29...	0930	9827	9827	158	7.3	17.0	17.0	20	8.5	88
NOV										
27...	0805	9827	9827	110	7.4	14.0	10.0	30	10.2	90
JAN										
29...	1500	9827	9827	112	7.5	1.0	5.0	30	12.1	94
FEB										
26...	0837	9827	9827	116	7.5	.0	7.0	10	11.1	91
MAR										
25...	0833	9827	9827	79	6.6	11.0	9.0	60	10.1	87
APR										
22...	1500	9827	9827	--	7.4	35.0	21.0	--	9.7	108
JUN										
03...	0851	9827	9827	125	6.9	26.0	25.0	20	--	--
24...	1130	9827	9827	134	7.5	35.0	28.0	20	7.0	89
JUL										
22...	1620	9827	9827	--	7.6	40.0	31.0	20	8.2	109
AUG										
19...	0830	9827	9827	92	7.2	30.0	27.0	15	7.7	95
SEP										
16...	0835	9827	9827	116	7.5	27.0	26.0	10	7.0	85

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1936	.9	52	56	15	4.2	2.7	.9	48	5.0	5.0
29...	0930	1.0	360	--	--	--	--	--	--	5.5	11
NOV											
27...	0805	1.2	84	--	--	--	--	--	--	5.0	6.0
JAN											
29...	1500	.5	110	--	120	3.0	3.4	.6	43	4.5	8.0
FEB											
26...	0837	.6	39	--	--	--	--	--	--	5.5	6.0
MAR											
25...	0833	2.2	270	--	--	--	--	--	--	4.5	5.0
APR											
22...	1500	2.8	72	47	13	3.4	2.6	1.0	40	4.5	5.0
JUN											
03...	0851	--	120	--	--	--	--	--	--	4.0	--
24...	1130	--	220	--	--	--	--	--	--	11	7.0
JUL											
22...	1620	3.0	<4	--	--	4.8	--	2.0	57	12	7.0
AUG											
19...	0830	2.0	420	--	--	--	--	--	--	5.0	7.0
SEP											
16...	0835	1.5	<4	--	--	--	--	--	--	--	1.0

07363002 SALINE RIVER WEST OF BENTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1936	--	8	--	.010	.040	.030	<5	<10	<5
29...	0930	114	18	.18	.010	.150	.040	--	--	--
NOV										
27...	0805	81	6	.03	<.010	.110	.010	--	--	--
JAN										
29...	1500	82	1	.05	.010	--	<.010	--	<10	<5
FEB										
26...	0837	81	2	.02	.010	--	.010	--	--	--
MAR										
25...	0833	90	17	.05	.020	.040	.040	--	--	--
APR										
22...	1500	81	8	.02	.010	.040	.010	4	<10	1
JUN										
03...	0851	70	10	.07	.010	.030	.040	--	--	--
24...	1130	93	--	.10	.010	.080	.020	--	--	--
JUL										
22...	1620	--	--	.01	.010	.040	.040	--	<10	--
AUG										
19...	0830	59	--	.05	.010	.010	.340	--	--	--
SEP										
16...	0835	77	14	.05	.010	--	.020	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1936	<20	380	<10	36	40	--	--	--	--	--
JAN											
29...	1500	<20	--	20	45	10	.00	.00	.00	.00	.00
APR											
22...	1500	30	410	<10	77	20	--	--	--	--	--
JUL											
22...	1620	20	400	20	130	50	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
29...	1500	.00	.00	.00	.00	0	.00

07363200 SALINE RIVER NEAR SHERIDAN, AR

LOCATION.--Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi (1.6 km) upstream from Gamble Creek, 1.6 mi (2.6 km) upstream from Hurricane Creek, 13.5 mi (21.7 km) south of Sheridan, and at mile 131.4 (211.4 km).

DRAINAGE AREA.--1,123 mi^2 (2,910 km^2).

PERIOD OF RECORD.--October 1970 to current year. Gage-height records since September 1938 are contained in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 152.86 ft (46.592 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 1,728 ft^3/s (48.9 m^3/s), 20.90 in/yr (531 mm/yr), 1,252,000 acre-ft/yr (1,540 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,600 ft^3/s (1,690 m^3/s) June 10, 1974, gage height, 21.36 ft (6.511 m); minimum daily, 5.5 ft^3/s (0.16 m^3/s) Sept. 15, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 22.42 ft (6.834 m) Feb. 1, 1969, from records of Corps of Engineers, discharge, 71,000 ft^3/s (2,010 m^3/s) computed by Geological Survey.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,000 ft^3/s (312 m^3/s) Mar. 20, gage height, 15.91 ft (4.849 m), no peak above base of 14,000 ft^3/s (400 m^3/s); minimum daily, 5.5 ft^3/s (0.16 m^3/s) Sept. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	334	728	3140	1320	510	4190	3870	886	111	58	20
2	206	596	615	1850	1240	498	4060	3100	784	101	64	20
3	189	1130	540	1250	1110	483	3990	2130	632	92	68	15
4	171	1140	487	1070	977	474	3660	1590	530	85	67	15
5	156	722	444	974	918	475	2930	1490	451	79	62	15
6	142	463	413	889	935	486	2110	1350	392	73	55	20
7	126	363	388	811	951	506	1510	1130	351	66	50	20
8	113	307	365	762	1030	505	1200	928	315	61	45	15
9	104	307	340	738	1850	489	1000	965	278	58	40	15
10	96	373	313	702	2430	458	895	1370	251	54	40	10
11	92	384	290	694	2910	424	910	1420	231	51	40	9.0
12	89	373	506	724	3410	604	1760	1170	209	49	35	7.5
13	86	375	2700	740	3880	1120	2840	1180	193	45	35	6.5
14	82	380	3560	741	3930	1510	4350	1790	178	40	30	6.0
15	79	347	3730	696	3530	1710	5920	2470	165	40	30	5.5
16	75	308	4000	661	2880	1800	7820	3860	154	40	35	44
17	73	282	4230	717	2290	3040	8480	5120	145	35	40	58
18	72	252	4220	801	1850	4240	7200	5050	134	35	40	59
19	72	224	3630	841	1550	7310	5590	5730	129	30	35	57
20	78	210	2270	804	1290	10000	4670	6750	141	30	35	57
21	80	222	1330	839	1120	9160	4170	5730	188	30	35	56
22	87	548	947	1450	1010	6080	3660	4970	210	30	35	57
23	82	874	863	2260	923	4920	2860	4490	207	25	35	57
24	90	1310	1390	2790	844	5020	1940	3930	197	25	40	57
25	105	1830	2020	3300	759	4840	1320	3510	184	30	44	67
26	93	2160	2530	3970	687	5480	1130	3220	173	35	44	76
27	88	2130	3220	4340	612	6560	1620	2800	162	49	40	95
28	122	1710	5120	4060	556	6160	2190	2130	148	73	35	177
29	174	1280	6210	3110	520	5300	2850	1440	133	90	30	710
30	214	939	5190	1950	---	5070	3810	1050	121	86	25	1350
31	281	---	4280	1450	---	4540	---	890	---	65	25	---
TOTAL	3747	21873	66869	49124	47312	99772	100635	86623	8272	1713	1292	3176.5
MEAN	121	729	2157	1585	1631	3218	3355	2794	276	55.3	41.7	106
MAX	281	2160	6210	4340	3930	10000	8480	6750	886	111	68	1350
MIN	72	210	290	661	520	424	895	890	121	25	25	5.5
CFSM	.11	.65	1.92	1.41	1.45	2.87	2.99	2.49	.25	.05	.04	.09
IN.	.12	.72	2.22	1.63	1.57	3.30	3.33	2.87	.27	.06	.04	.11
AC-FT	7430	43390	132600	97440	93840	197900	199600	171800	16410	3400	2560	6300

CAL YR 1979	TOTAL	927877.0	MEAN	2542	MAX	20900	MIN	72	CFSM	2.26	IN 30.74	AC-FT	1840000
WTR YR 1980	TOTAL	490408.5	MEAN	1340	MAX	10000	MIN	5.5	CFSM	1.19	IN 16.25	AC-FT	972700

07363270 HURRICANE CREEK NEAR SARDIS, AR

LOCATION.--Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203 at crossing on county road, 200 ft (61 m) downstream from Brushy Creek, 1.5 mi (2.4 km) southwest of Sardis.

DRAINAGE AREA.--66.0 mi^2 (170.9 km^2).

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT											
02...	1900	9827	9827	1060	7.1	15.0	20.0	0	8.3	90	9
29...	0855	9827	9827	485	6.7	17.0	17.0	30	8.1	84	19
NOV											
27...	1650	9827	9827	365	7.0	20.0	13.0	10	9.7	91	16
JAN											
29...	1430	9827	9827	315	7.0	.0	4.0	65	11.4	87	10
FEB											
26...	1804	9827	9827	281	7.0	6.0	7.0	15	11.5	94	9
MAR											
25...	1809	9827	9827	246	6.5	9.0	10.0	20	9.9	88	10
APR											
22...	1540	9827	9827	--	7.2	32.0	22.0	5	8.7	99	14
JUN											
03...	1830	9827	9827	752	6.4	30.0	26.0	10	--	--	24
24...	1220	9827	9827	424	7.4	31.0	25.0	60	7.5	89	12
JUL											
22...	1657	9827	9827	--	6.1	38.0	27.0	10	8.5	105	24
AUG											
19...	1843	9827	9827	1110	5.2	35.0	28.0	10	5.3	67	7
SEP											
16...	1715	9827	9827	1370	4.7	38.0	26.0	--	7.6	--	5

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1900	1.4	52	380	130	14	25	3.0	21	5.5	560
29...	0855	1.2	68	--	--	--	--	--	--	8.0	220
NOV											
27...	1650	.7	20	--	--	--	--	--	--	6.5	130
JAN											
29...	1430	.7	<4	--	28	5.0	16	1.0	26	5.5	160
FEB											
26...	1804	.7	<13	--	--	--	--	--	--	7.0	89
MAR											
25...	1809	2.2	44	--	--	--	--	--	--	5.5	73
APR											
22...	1540	1.2	4	140	46	5.7	22	2.0	34	6.0	190
JUN											
03...	1830	--	36	--	--	--	--	--	--	4.0	--
24...	1220	--	490	--	--	--	--	--	--	6.0	150
JUL											
22...	1657	1.7	28	--	--	19	--	4.0	7	--	510
AUG											
19...	1843	1.5	8	--	--	--	--	--	--	5.5	630
SEP											
16...	1715	1.2	4	--	--	--	--	--	--	--	92

07363270 HURRICANE CREEK NEAR SARDIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
02...	1900	--	6	--	.010	.280	.50	.010	<5	<10	<5
29...	0855	318	12	.22	.010	.090	.18	.020	--	<10	--
NOV											
27...	1650	250	20	.15	<.010	.160	.30	.020	--	<10	--
JAN											
29...	1430	214	4	.13	.010	--	.80	.610	--	<10	<10
FEB											
26...	1804	183	10	.06	.010	--	.50	.010	--	<10	--
MAR											
25...	1809	160	33	.10	.010	.070	.40	.030	--	<10	--
APR											
22...	1540	275	24	.12	.010	.080	1.0	.010	1	<10	4
JUN											
03...	1830	550	16	.32	.010	.270	--	.040	--	<10	--
24...	1220	274	--	.11	.010	.060	--	.010	--	<10	--
JUL											
22...	1657	--	--	.21	<.010	.040	1.5	.010	--	10	--
AUG											
19...	1843	917	--	.24	<.010	.410	1.9	.010	--	<10	--
SEP											
16...	1715	1200	5	.30	.020	--	.70	<.010	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1900	<20	160	<10	170	50	--	--	--	--	--
29...	0855	20	940	--	680	40	--	--	--	--	--
NOV											
27...	1650	<20	1100	--	940	10	--	--	--	--	--
JAN											
29...	1430	<20	--	<10	960	20	.00	.00	.00	.00	.00
FEB											
26...	1804	20	920	--	970	50	--	--	--	--	--
MAR											
25...	1809	20	1400	--	670	40	--	--	--	--	--
APR											
22...	1540	<20	1200	<10	950	30	--	--	--	--	--
JUN											
03...	1830	<20	1300	--	1600	50	--	--	--	--	--
24...	1220	<20	1100	--	290	<10	--	--	--	--	--
JUL											
22...	1657	<20	60	<10	1500	30	--	--	--	--	--
AUG											
19...	1843	<20	40	--	2600	30	--	--	--	--	--
SEP											
16...	1715	<20	60	--	5500	130	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
29...	1430	.00	.00	.00	.00	0	.00

07363300 HURRICANE CREEK NEAR SHERIDAN, AR

LOCATION.--Lat 34°19'10", long 92°20'40", in NW 1/4 NE 1/4 sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi (4.5 km) downstream from Simpson Creek, 3.5 mi (5.6 km) east of Sheridan, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--204 mi^2 (528 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft (60.960 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 233 ft^3/s (6.60 m^3/s), 15.51 in/yr (394 mm/yr), 168,800 acre-ft/yr (208 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft^3/s (513 m^3/s) Apr. 24, 1964, gage height, 15.93 ft (4.855 m); no flow at times in 1972, 1976, 1977, 1978, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft (5.654 m) June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s (1,480 m^3/s) by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,680 ft^3/s (189 m^3/s) Mar. 17 at 1700 hours, gage height, 14.87 ft (4.532 m), no other peak above base of 5,000 ft^3/s (140 m^3/s); no flow at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	40	52	128	251	74	973	116	78	4.4	.00	1.8
2	25	47	40	118	183	71	464	110	62	3.8	.00	2.4
3	25	29	35	109	157	76	300	116	54	3.3	.42	3.0
4	25	20	33	119	161	71	240	118	46	3.0	.54	3.7
5	24	16	31	128	178	79	193	101	40	3.5	.54	4.9
6	23	12	30	110	202	96	153	85	36	5.3	.54	5.3
7	22	10	30	102	194	97	133	80	32	4.9	.54	5.6
8	23	10	29	116	191	85	124	81	29	3.7	.42	7.1
9	23	12	26	119	713	80	116	215	26	2.9	.30	9.3
10	23	12	22	103	1210	71	109	180	22	1.7	.12	10
11	22	22	19	109	942	62	97	104	19	1.3	.00	10
12	22	22	39	157	525	136	765	83	18	1.0	.00	10
13	20	18	368	151	403	433	2050	243	17	1.8	.00	9.1
14	17	15	777	119	355	378	3370	530	15	6.2	.00	9.3
15	16	14	997	104	339	221	2540	674	14	5.8	.00	9.3
16	13	14	510	105	311	293	1620	674	12	3.7	.00	9.1
17	11	12	232	164	272	3930	1090	1330	10	2.4	.00	8.7
18	8.5	15	149	188	201	3530	572	1340	8.5	1.5	.00	8.1
19	6.9	18	111	147	164	1900	470	1020	8.1	.94	.00	8.5
20	3.8	18	99	117	156	1340	374	374	7.9	.73	.00	9.3
21	3.3	16	93	143	149	1030	273	185	8.1	.42	.00	5.6
22	3.7	44	90	517	136	663	200	235	9.3	.42	.00	.73
23	3.2	142	105	1020	122	390	158	1090	9.3	.30	.12	1.4
24	14	166	368	1080	111	1390	133	1750	8.7	.18	.48	2.0
25	14	107	899	753	100	2520	116	1040	7.7	.12	.42	3.7
26	8.5	119	973	348	90	1520	225	359	7.1	.12	.94	4.5
27	7.5	165	685	246	91	1040	401	190	6.5	.12	2.5	4.9
28	7.9	118	303	187	75	561	371	128	6.2	.00	2.1	18
29	7.7	87	192	158	75	515	212	110	5.6	.24	1.7	80
30	19	68	155	159	---	935	146	149	4.7	.24	1.2	133
31	25	---	133	235	---	1240	---	107	---	.12	1.0	---
TOTAL	495.0	1408	7625	7359	8057	24827	17988	12917	627.7	64.15	13.88	398.33
MEAN	16.0	46.9	246	237	278	801	600	417	20.9	2.07	.45	13.3
MAX	28	166	997	1080	1210	3930	3370	1750	78	6.2	2.5	133
MIN	3.2	10	19	102	75	62	97	80	4.7	.00	.00	.73
CFSM	.08	.23	1.21	1.16	1.36	3.93	2.94	2.04	.10	.01	.002	.07
IN.	.09	.26	1.39	1.34	1.47	4.53	3.28	2.36	.11	.01	.00	.07
AC-FT	982	2790	15120	14600	15980	49240	35680	25620	1250	127	28	790

CAL YR 1979 TOTAL 145395.70 MEAN 398 MAX 7510 MIN 1.9 CFSM 1.95 IN 26.51 AC-FT 288400
WTR YR 1980 TOTAL 81780.06 MEAN 223 MAX 3930 MIN .00 CFSM 1.09 IN 14.91 AC-FT 162200

07363500 SALINE RIVER NEAR RYE, AR

LOCATION.--Lat 33°42'03", long 92°01'33", in SW 1/4 NW 1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi (5.8 km) southwest of Rye, 5.8 mi (9.3 km) upstream from Hudgin Creek, and at mile 71.0 (114.2 km).

DRAINAGE AREA.--2,102 mi^2 (5,440 km^2).

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft (29.584 m) National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 2,608 ft^3/s (73.9 m^3/s), 16.85 in/yr (428 mm/yr), 1,889,000 acre-ft/yr (2,330 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft^3/s (2,110 m^3/s) May 18, 1968, gage height, 31.40 ft (9.571 m); minimum, 3.5 ft^3/s (0.099 m^3/s) Sept. 27, 28, 1954, gage height, 3.84 ft (1.170 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft (9.30 m), discharge, about 73,000 ft^3/s (2,070 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft^3/s (280 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 26	1200	*17,000	481	24.18	7.370
Apr. 22	0300	11,900	337	22.67	6.910
May 27	0300	10,900	309	22.22	6.773

Minimum discharge, 6.2 ft^3/s (0.18 m^3/s) Sept. 16, 17, 18, gage height, 4.12 ft (1.256 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440	562	3240	4770	5790	1060	14900	2640	5960	183	111	41
2	364	500	2450	5080	5570	1010	14500	3020	3590	172	108	34
3	324	525	1660	5470	5010	969	13600	3760	1760	156	94	26
4	311	785	1250	5790	4020	946	12400	4410	1200	144	85	23
5	264	1140	1060	5770	3040	930	11100	4470	934	133	85	19
6	239	1270	934	5160	2560	917	9930	4070	762	126	90	17
7	221	1040	848	3890	2380	932	8890	3090	653	118	90	16
8	207	743	778	2640	2410	1030	7900	2230	572	110	85	16
9	191	615	730	2070	4610	1060	6850	1720	506	99	77	25
10	176	743	685	1830	6390	1040	5340	1370	449	93	69	22
11	164	821	647	1950	6830	982	3240	1290	404	86	62	16
12	153	811	628	2300	7140	1290	2120	1470	364	82	56	13
13	145	801	1090	2230	7130	2330	3660	2010	333	77	48	11
14	140	746	2850	2120	6940	2840	6640	3270	302	73	43	10
15	136	669	3940	1940	6630	3160	8060	4330	279	69	38	8.6
16	135	628	4690	1770	6220	3540	8860	5730	258	66	34	7.8
17	131	575	5480	1770	5900	5820	9230	6990	241	61	33	6.2
18	127	525	6060	2060	5600	7480	9460	7350	225	56	38	7.0
19	122	482	6340	2240	5330	8360	9890	7310	216	51	47	12
20	118	441	6280	2290	4980	9110	10700	7240	206	47	48	38
21	114	432	6080	2280	4440	10000	11600	7370	199	46	46	65
22	131	1420	5850	3570	3610	10100	11800	8080	195	45	45	63
23	137	3040	5650	5660	2670	10100	11200	8680	216	41	43	59
24	127	3720	5930	6520	2060	11300	10200	9310	247	39	41	57
25	122	3790	6180	6830	1760	14700	9190	10000	249	35	40	59
26	122	3850	5900	6980	1540	16900	8220	10700	245	34	40	69
27	135	3950	5520	6890	1370	16500	7040	10800	234	53	41	74
28	144	3900	5250	6600	1230	15600	5240	10400	225	54	45	166
29	142	3820	5100	6160	1110	14500	3280	9550	208	53	47	331
30	146	3660	4880	5840	---	14700	2540	8610	193	59	48	861
31	295	---	4720	5810	---	14800	---	7530	---	91	47	---
TOTAL	5723	46004	112700	126280	124270	204006	257580	178800	21425	2552	1824	2172.6
MEAN	185	1533	3635	4074	4285	6581	8586	5768	714	82.3	58.8	72.4
MAX	440	3950	6340	6980	7140	16900	14900	10800	5960	183	111	861
MIN	114	432	628	1770	1110	917	2120	1290	193	34	33	6.2
CFSM	.09	.73	1.73	1.94	2.04	3.13	4.09	2.74	.34	.04	.03	.03
IN.	.10	.81	1.99	2.23	2.20	3.61	4.56	3.16	.38	.05	.03	.04
AC-FT	11350	91250	223500	250500	246500	404600	510900	354600	42500	5060	3620	4310

CAL YR 1979	TOTAL	1770151.0	MEAN	4850	MAX	22100	MIN	114	CFSM 2.31	IN 31.33	AC-FT	3511000
WTR YR 1980	TOTAL	1083336.6	MEAN	2960	MAX	16900	MIN	6.2	CFSM 1.41	IN 19.17	AC-FT	2149000

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR

LOCATION.--Lat 33°22'42", long 91°57'35", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi (12.9 km) west of Fountain Hill.

PERIOD OF RECORD.--January 1972 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV										
20...	1600	9827	9827	102	7.0	21.0	14.0	50	9.2	88
DEC										
10...	1110	9827	9827	159	6.6	18.0	10.0	50	10.8	96
JAN										
22...	1145	9827	9827	93	5.8	13.0	10.0	50	9.6	85
FEB										
12...	0945	9827	9827	75	6.5	.0	3.0	50	12.0	89
MAR										
25...	0930	9827	9827	112	6.8	19.0	14.0	80	7.4	71
JUL										
15...	1630	9827	9827	--	7.4	37.0	36.0	40	9.6	137
AUG										
12...	1600	9827	9827	--	7.7	31.0	34.0	30	8.0	111
26...	1125	9827	9827	162	7.4	28.0	16.0	5	8.3	83
SEP										
16...	1405	9827	9827	104	7.5	38.0	30.0	5	8.5	112

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV								
20...	1600	.8	12	--	--	--	6.5	19
DEC								
10...	1110	1.8	130	--	--	--	6.5	44
JAN								
22...	1145	1.1	250	6.0	2.0	7	6.0	24
FEB								
12...	0945	1.9	96	--	--	--	5.0	18
MAR								
25...	0930	.7	8	--	--	--	25	5.0
JUL								
15...	1630	3.6	<4	8.0	3.0	28	--	12
AUG								
12...	1600	1.6	16	--	--	--	8.0	15
26...	1125	.5	<4	--	--	--	6.5	5.0
SEP								
16...	1405	2.3	60	--	--	--	11	6.0

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)
NOV 20...	1600	90	8	.05	.010	.160	.060	<10
DEC 10...	1110	121	15	.05	.010	.080	.060	<10
JAN 22...	1145	96	19	.06	.020	.500	.050	<10
FEB 12...	0945	91	39	.08	.010	.060	.030	<10
MAR 25...	0930	113	13	.06	.020	.220	.040	<10
JUL 15...	1630	--	--	.07	.030	.220	.050	<10
AUG 12...	1600	69	--	--	<.010	.030	.030	--
26...	1125	97	3	.30	<.010	.030	.010	--
SEP 16...	1405	65	10	.02	.010	--	.040	<10

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
NOV 20...	1600	<20	1100	--	83	10	--	--	--	--	--
DEC 10...	1110	50	950	--	7600	10	--	--	--	--	--
JAN 22...	1145	<20	1300	50	190	20	.00	.00	.00	.00	.00
FEB 12...	0945	70	1200	--	3700	60	--	--	--	--	--
MAR 25...	0930	<20	1200	--	120	<10	--	--	--	--	--
JUL 15...	1630	20	--	<10	--	20	--	--	--	--	--
SEP 16...	1405	<20	110	--	95	<10	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 22...	1145	.00	.00	.00	.00	0	.00

07364080 OUACHITA RIVER NEAR FELSENTHAL, AR

LOCATION.--Lat 33°01'55", long 92°05'15", in NE 1/2 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, at Corps of Engineers Lock No. 6, 4.0 mi (6.4 km) southeast of Felsenthal.

DRAINAGE AREA.--10,852 mi^2 (28,107 km^2).

PERIOD OF RECORD.--October 1949 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1949 to September 1977.
WATER TEMPERATURES: October 1949 to September 1977.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)
OCT 23...	1325	9827	9827	210	7.1	20.0	20.0	30	8.4	91	19
NOV 20...	1515	9827	9827	162	6.8	21.0	14.0	50	7.5	72	22
DEC 10...	1200	9827	9827	174	6.4	20.0	10.0	50	10.2	90	19
JAN 22...	1300	9827	9827	228	6.2	13.0	10.0	50	9.2	81	23
FEB 12...	1105	9827	9827	134	6.6	2.0	6.0	75	11.1	89	21
MAR 25...	1030	9827	9827	112	7.2	20.0	14.0	70	7.3	70	26
JUL 15...	1530	9827	9827	--	6.9	40.0	35.0	60	8.1	114	--
AUG 12...	1445	9827	9827	--	7.4	--	35.0	50	8.2	115	13
SEP 16...	1305	9827	9827	219	6.0	36.0	31.0	10	8.4	112	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1325	.2	44	92	32	2.4	24	2.0	23	38	19
NOV 20...	1515	.4	24	--	--	--	--	--	--	30	11
DEC 10...	1200	1.5	4	--	--	--	--	--	--	35	18
JAN 22...	1300	.9	120	--	9.0	3.0	--	--	10	48	18
FEB 12...	1105	1.7	16	--	--	--	--	--	--	28	9.0
MAR 25...	1030	1.9	20	--	--	--	--	--	--	24	6.0
JUL 15...	1530	2.6	16	--	17	2.4	--	--	24	--	8.0
AUG 12...	1445	2.3	16	--	--	--	--	--	--	78	18
SEP 16...	1305	1.5	20	--	--	--	--	--	--	--	15

07364080 OUACHITA RIVER NEAR FELSENTHAL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
23...	1325	121	19	.77	.020	.110	--	.060	<5	<10	<5
NOV											
20...	1515	122	14	.20	.010	.220	.90	.090	--	<10	--
DEC											
10...	1200	118	9	.11	.010	.210	.30	.050	--	<10	--
JAN											
22...	1300	157	20	.14	.010	.080	1.4	.020	--	<10	--
FEB											
12...	1105	113	28	.12	.010	.240	--	.060	--	<10	--
MAR											
25...	1030	110	18	.07	.020	.090	--	.060	--	<10	--
JUL											
15...	1530	--	--	.27	.030	.250	.90	.060	--	<10	--
AUG											
12...	1445	189	3	.26	.010	.150	--	.040	--	<10	--
SEP											
16...	1305	135	12	.19	.010	--	1.7	.040	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	1325	<20	760	40	270	30	--	--	--	--	--
NOV											
20...	1515	<20	930	--	250	20	--	--	--	--	--
DEC											
10...	1200	20	880	--	190	30	--	--	--	--	--
JAN											
22...	1300	30	1200	30	--	30	--	--	--	--	--
FEB											
12...	1105	20	1100	--	140	20	.00	.00	.00	.00	.00
MAR											
25...	1030	<20	1200	--	96	<10	--	--	--	--	--
JUL											
15...	1530	<20	--	<10	--	10	--	--	--	--	--
AUG											
12...	1445	30	730	--	180	10	--	--	--	--	--
SEP											
16...	1305	20	330	--	89	60	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB							
12...	1105	.00	.00	.00	.00	0	.00

07364088 COFFEE CREEK NEAR CROSSETT, AR

LOCATION.--Lat 33°06'18", long 92°02'05", in sec.33, T.18 S., R.9 W., Ashley County, Hydrologic Unit 08040202, below mill pond, at bridge on county road, 2.5 mi (4.0 km) southwest of Crossett.

PERIOD OF RECORD.--January 1972 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1500	9827	9827	1670	7.4	25.0	24.0	50	.0	0
NOV 20...	1500	9827	9827	1730	7.2	24.0	20.0	1000	.1	1
DEC 10...	1220	9827	9827	1640	7.0	18.0	15.0	1200	1.2	12
JAN 22...	1230	9827	9827	1400	7.1	11.0	15.0	600	1.0	10
FEB 12...	1040	9827	9827	1110	7.6	1.0	8.0	620	3.4	29
MAR 25...	1100	9827	9827	1100	7.0	18.0	18.0	700	1.8	19
JUL 15...	1500	9827	9827	--	7.6	42.0	36.0	800	2.0	29
AUG 12...	1411	9827	9827	--	7.5	39.0	34.0	1500	.3	4
SEP 16...	1235	9827	9827	1890	7.3	35.0	31.0	500	.5	7

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1500	19	>6000	73	16	6.5	270	10	140	360	140
NOV 20...	1500	>35	>1800	--	--	--	--	--	--	370	120
DEC 10...	1220	--	26000	--	--	--	--	--	--	170	120
JAN 22...	1230	39	>6200	--	52	9.0	--	--	160	270	140
FEB 12...	1040	17	170	--	--	--	--	--	--	450	87
MAR 25...	1100	25	160	--	--	--	--	--	--	240	71
JUL 15...	1500	29	6000	--	53	7.5	--	--	170	--	250
AUG 12...	1411	19	>6000	--	--	--	--	--	--	98	16
SEP 16...	1235	42	--	--	--	--	--	--	--	500	210

07364088 COFFEE CREEK NEAR CROSSETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	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)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT											
23...	1500	1160	36	<.01	.060	.650	--	.480	<5	<10	<5
NOV											
20...	1500	1280	50	<.01	.060	.840	--	.570	--	<10	--
DEC											
10...	1220	1150	62	<.01	.060	.350	--	.720	--	<10	--
JAN											
22...	1230	974	65	<.01	.050	2.800	--	.870	--	<10	40
FEB											
12...	1040	791	62	<.01	.040	.160	<.10	.550	--	<10	--
MAR											
25...	1100	773	45	<.01	.050	.040	--	.420	--	<10	--
JUL											
15...	1500	--	--	.14	.060	2.800	--	.490	--	<10	--
AUG											
12...	1411	1250	240	--	.030	1.600	--	.430	--	--	--
SEP											
16...	1235	1230	58	<.01	.240	--	--	.610	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
23...	1500	50	790	30	1900	90	--	--	--	--	--
NOV											
20...	1500	40	890	--	2100	20	--	--	--	--	--
DEC											
10...	1220	20	2100	--	1400	20	--	--	--	--	--
JAN											
22...	1230	20	1400	30	1600	50	.00	.00	.00	.00	.00
FEB											
12...	1040	30	1600	--	1600	50	--	--	--	--	--
MAR											
25...	1100	20	1300	--	1100	30	--	--	--	--	--
JUL											
15...	1500	20	--	<10	--	30	--	--	--	--	--
SEP											
16...	1235	20	860	--	2200	360	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN							
22...	1230	.00	.00	.00	.00	0	.00

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR

LOCATION.--Lat 34°06'24", long 91°54'06", in NW 1/2 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi (3.5 km) south of Ladd.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	0945	9827	9827	92	7.1	14.0	16.0	60	5.8	58
NOV 20...	0930	9827	9827	90	7.0	20.0	14.0	150	5.9	57
DEC 10...	0940	9827	9827	87	6.7	12.0	7.0	120	8.7	71
JAN 22...	1000	9827	9827	56	6.3	10.0	8.0	200	8.8	74
FEB 12...	0815	9827	9827	58	6.6	-4.0	3.0	150	11.8	87
MAR 25...	1520	9827	9827	36	6.8	19.0	12.0	160	7.4	68
JUL 15...	0915	9827	9827	--	7.5	32.0	30.0	150	2.8	37
AUG 12...	0930	9827	9827	--	7.1	27.0	28.0	300	2.8	35

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	0945	2.8	>600	110	38	2.8	5.0	4.0	27	7.0	8.0
NOV 20...	0930	1.0	64	--	--	--	--	--	--	8.5	11
DEC 10...	0940	1.7	130	--	--	--	--	--	--	8.0	11
JAN 22...	1000	2.7	>600	--	4.0	3.0	--	--	10	5.5	10
FEB 12...	0815	2.7	220	--	--	--	--	--	--	5.5	11
MAR 25...	1520	1.9	--	--	--	--	--	--	--	3.5	4.0
JUL 15...	0915	--	4	--	12	7.2	--	--	60	--	1.0
AUG 12...	0930	2.6	>600	--	--	--	--	--	--	16	3.0

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 23...	0945	66	39	<.01	.010	.070	.200	<5	<10	<5
NOV 20...	0930	116	29	.07	.030	.250	.310	--	<10	--
DEC 10...	0940	94	11	.05	.020	.060	.220	--	<10	--
JAN 22...	1000	150	110	.06	.110	.110	.570	--	<10	--
FEB 12...	0815	119	42	.14	.060	.090	.180	--	<10	--
MAR 25...	1520	104	52	.08	.080	.100	.200	--	<10	--
JUL 15...	0915	--	--	.04	.040	.360	1.200	--	<10	--
AUG 12...	0930	148	36	--	.010	.220	.400	--	--	--

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	0945	<20	1800	10	230	40	.00	.00	.00	.00	.00
NOV 20...	0930	40	3100	--	480	<10	--	--	--	--	--
DEC 10...	0940	<20	2200	--	530	30	--	--	--	--	--
JAN 22...	1000	20	5000	<10	230	40	--	--	--	--	--
FEB 12...	0815	30	3500	--	440	50	.00	.00	.00	.00	.00
MAR 25...	1520	30	3300	--	94	20	--	--	--	--	--
JUL 15...	0915	20	--	40	--	60	--	--	--	--	--
AUG 12...	0930	--	--	--	--	--	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT 23...	0945	.00	.00	.00	.00	0	.00
FEB 12...	0815	.00	.00	.00	.00	0	.00
AUG 12...	0930	.00	.00	.00	.00	0	.00

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, AR

LOCATION.--Lat 33°37'40", long 91°26'45", in NE 1/4 SW 1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi (4.3 km) west of McGehee, 17.5 mi (28.2 km) downstream from Ables Creek, and at mile 200.5 (322.6 km).

DRAINAGE AREA.--576 mi^2 (1,492 km^2).

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft (36.722 m) National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft (0.305 m) higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi (23 km) upstream.

REMARKS.--Records good. Some diversions upstream from station for irrigation.

AVERAGE DISCHARGE.--39 years (1939-42, 1946-80), 684 ft^3/s (19.4 m^3/s), 16.13 in/yr (410 mm/yr), 495,600 acre-ft/yr (611 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft^3/s (195 m^3/s) May 11, 1958, gage height, 25.49 ft (7.769 m), present datum; minimum, 0.20 ft^3/s (0.006 m^3/s) Aug. 15-23, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft (7.13 m), present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,470 ft^3/s (127 m^3/s) Apr. 3; maximum gage height, 20.73 ft (6.318 m), Apr. 3; minimum daily discharge, 19 ft^3/s (0.54 m^3/s) July 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	334	58	2300	1660	1900	713	4400	1490	2090	92	24	27
2	297	68	2300	1580	1800	627	4450	1340	2070	81	25	27
3	257	76	2300	1510	1700	547	4470	1200	2020	72	26	27
4	227	78	2200	1430	1700	474	4430	1070	1950	66	27	31
5	196	75	2000	1340	1600	410	4340	930	1870	60	28	43
6	168	74	1900	1260	1600	363	4210	790	1780	53	27	59
7	147	93	1700	1180	1500	361	4060	671	1670	48	27	67
8	133	129	1500	1100	1500	370	3880	557	1560	42	26	73
9	124	187	1400	1020	1500	322	3670	455	1440	36	25	78
10	119	259	1200	929	1500	284	3430	380	1320	32	24	79
11	115	293	1100	860	1600	259	3170	315	1190	28	23	79
12	111	301	900	793	1600	395	2950	253	1050	26	23	75
13	104	294	800	741	1700	531	2900	209	919	24	22	70
14	96	286	750	715	1800	588	2990	177	779	23	22	65
15	86	284	700	717	1880	634	2950	173	647	21	23	61
16	77	286	700	739	1940	747	2910	427	521	21	24	58
17	69	290	700	759	1910	1110	2900	753	409	20	24	61
18	61	288	750	766	1840	1450	2910	1010	340	19	24	64
19	54	278	830	757	1750	1760	2900	1190	250	20	23	65
20	48	260	882	738	1650	2160	2870	1300	186	20	23	65
21	44	243	916	720	1550	2590	2800	1360	138	21	23	63
22	43	507	933	800	1460	2930	2700	1410	107	22	26	59
23	43	935	944	950	1360	3250	2580	1430	93	24	43	54
24	42	1250	1030	1100	1270	3500	2440	1440	87	25	61	49
25	40	1520	1110	1300	1180	3680	2310	1480	94	27	67	44
26	39	1810	1190	1500	1080	3770	2210	1590	94	28	62	41
27	38	2080	1300	1700	984	3830	2070	1730	98	26	53	41
28	37	2290	1450	1800	890	3900	1930	1880	100	24	44	62
29	39	2410	1580	1900	797	3990	1780	2010	97	24	37	128
30	39	2300	1670	1900	---	4250	1630	2070	94	23	31	350
31	47	---	1700	1900	---	4350	---	2100	---	23	27	---
TOTAL	3274	19302	40735	36164	44541	54145	93240	33190	25063	1071	964	2065
MEAN	106	643	1314	1167	1536	1747	3108	1071	835	34.5	31.1	68.8
MAX	334	2410	2300	1900	1940	4350	4470	2100	2090	92	67	350
MIN	37	58	700	715	797	259	1630	173	87	19	22	27
CFSM	.18	1.12	2.28	2.03	2.67	3.03	5.40	1.86	1.45	.06	.05	.12
IN.	.21	1.25	2.63	2.34	2.88	3.50	6.02	2.14	1.62	.07	.06	.13
AC-FT	6490	38290	80800	71730	88350	107400	184900	65830	49710	2120	1910	4100

CAL YR 1979 TOTAL 473831 MEAN 1298 MAX 3930 MIN 37 CFSM 2.25 IN 30.60 AC-FT 939800
WTR YR 1980 TOTAL 353754 MEAN 967 MAX 4470 MIN 19 CFSM 1.68 IN 22.85 AC-FT 701700

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR

LOCATION.--Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi (1.3 km) downstream from Highbank Creek, and 8.5 mi (13.7 km) southeast of El Dorado.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
02...	1330	9827	9827	5540	7.6	29.0	23.0	40	2.5	29
29...	1330	9827	9827	4410	7.2	20.0	19.0	40	1.5	16
NOV										
27...	1300	9827	9827	1520	6.6	35.0	14.0	75	6.3	61
JAN										
29...	0845	9827	9827	1630	6.9	.0	5.0	60	8.2	64
FEB										
26...	1410	9827	9827	2700	7.2	24.0	12.0	40	10.7	99
MAR										
25...	1400	9827	9827	1110	6.4	19.0	15.0	120	8.6	84
APR										
22...	0900	9827	9827	--	6.8	24.0	20.0	50	4.3	47
JUN										
03...	1445	9827	9827	4240	7.1	34.0	30.0	60	--	--
23...	1737	9827	9827	4680	7.2	37.0	31.0	40	--	--
JUL										
22...	0820	9827	9827	--	7.7	27.0	28.0	40	1.9	24
AUG										
19...	1443	9827	9827	7980	7.7	41.0	32.0	30	7.1	96
SEP										
16...	1325	9827	9827	13900	8.0	39.0	28.0	20	8.7	110

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1330	7.0	230	390	110	29	930	2.0	93	1500	57
29...	1330	8.0	180	--	--	--	--	--	--	1300	75
NOV											
27...	1300	1.3	160	--	--	--	--	--	--	450	40
JAN											
29...	0845	1.4	60	--	36	10	240	4.0	28	520	35
FEB											
26...	1410	--	91	--	--	--	--	--	--	400	43
MAR											
25...	1400	2.9	120	--	--	--	--	--	--	310	19
APR											
22...	0900	3.7	230	180	50	11	270	5.0	30	54	15
JUN											
03...	1445	--	>940	--	--	--	--	--	--	1400	--
23...	1737	--	--	--	--	--	--	--	--	1500	48
JUL											
22...	0820	--	500	--	--	51	--	18	150	32	90
AUG											
19...	1443	2.7	--	--	--	--	--	--	--	2800	220
SEP											
16...	1325	1.8	55	--	--	--	--	--	--	--	82

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT										
02...	1330	--	27	--	.250	2.300	1.000	<5	10	<5
29...	1330	2480	26	.09	.120	3.000	1.800	--	<10	--
NOV										
27...	1300	853	10	.16	.050	.480	.130	--	--	--
JAN										
29...	0845	980	14	.44	.050	--	.050	--	<10	<5
FEB										
26...	1410	1520	15	.71	.130	--	.250	--	<10	--
MAR										
25...	1400	665	20	.33	.070	.150	.180	--	<10	--
APR										
22...	0900	1050	41	.26	.130	.350	.330	3	<10	6
JUN										
03...	1445	2530	74	2.3	.260	.050	.300	--	<10	--
23...	1737	2830	--	1.0	.200	.430	.250	--	<10	--
JUL										
22...	0820	--	18	.43	.470	.710	.720	--	20	--
AUG										
19...	1443	5010	--	.53	.160	.230	.440	--	<10	--
SEP										
16...	1325	5320	23	.51	.210	--	.540	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT											
02...	1330	<20	500	<10	460	70	.00	.00	.00	.00	.00
29...	1330	20	410	--	770	30	.00	.00	.00	.00	.00
NOV											
27...	1300	--	--	--	--	--	.00	.00	.00	.00	.00
JAN											
29...	0845	<20	--	30	430	20	.00	.00	.00	.00	.00
FEB											
26...	1410	<20	1000	--	720	20	.00	.00	.00	.00	.00
MAR											
25...	1400	<20	1700	--	540	40	--	--	--	--	--
APR											
22...	0900	30	2600	100	1400	50	--	--	--	--	--
JUN											
03...	1445	20	940	--	750	70	.00	.00	.00	.00	.00
23...	1737	40	420	--	720	60	.00	.00	.00	.00	.00
JUL											
22...	0820	20	340	30	330	50	--	--	--	--	--
AUG											
19...	1443	30	240	--	230	50	.00	.00	.00	.00	.00
SEP											
16...	1325	20	180	--	110	50	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT							
02...	1330	.00	.00	.00	.00	0	.00
29...	1330	.00	.00	.00	.00	0	.00
NOV							
27...	1300	.00	.00	.00	.00	0	.00
JAN							
29...	0845	.00	.00	.00	.00	0	.00
FEB							
26...	1410	.00	.00	.00	.00	0	.00
JUN							
03...	1445	.00	.00	.00	.00	0	.00
23...	1737	.00	.00	.00	.00	0	.00
AUG							
19...	1443	.00	.00	.00	.00	0	.00
SEP							
16...	1325	.00	.00	.00	.00	0	.00

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR

LOCATION.--Lat 33°02'21", long 92°56'15", in SW 1/4 NW 1/4 sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi (5.5 km) downstream from Pidgeon Roost Creek, and 6.0 mi (9.7 km) southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^2 (466 km^2).

PERIOD OF RECORD.--February 1956 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 182 ft^3/s (5.15 m^3/s), 13.73 in/yr (349 mm/yr), 131,900 acre-ft/yr (163 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft^3/s (1,840 m^3/s) June 8, 1974, gage height, 17.50 ft (5.334 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s) on basis of contracted-opening measurement at 35,800 ft^3/s (1,010 m^3/s); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1880, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,400 ft^3/s (40 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 23	2100	*4,920	139	11.29	3.441
Feb. 10	1600	3,150	89.2	10.81	3.295
Mar. 19	0200	2,590	73.3	10.63	3.240
Mar. 31	0600	2,090	59.2	10.45	3.185
Apr. 14	2100	4,160	118	11.09	3.380
May 24		Unknown		Unknown	

No flow Sept. 5-16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	13	51	84	363	67	1530	107	50	7.4	3.7	.10
2	.24	33	44	76	397	83	1000	158	44	6.0	3.2	.10
3	.20	37	41	76	340	109	604	225	40	5.0	2.8	.10
4	.20	19	40	146	231	98	380	274	33	4.2	2.4	.01
5	.12	11	38	247	186	83	215	373	28	3.8	2.1	.00
6	.10	7.2	37	257	186	79	136	303	24	3.1	1.8	.00
7	.10	5.6	36	164	206	75	100	128	20	2.7	2.4	.00
8	.17	4.2	35	105	236	74	90	106	18	2.3	3.0	.00
9	.43	6.7	34	90	957	102	81	145	27	2.0	3.5	.00
10	1.3	24	31	77	2600	103	69	120	23	1.9	3.8	.00
11	2.4	103	29	72	2250	82	60	80	18	1.6	4.2	.00
12	3.7	152	33	72	1570	90	217	50	16	1.4	4.0	.00
13	5.3	79	87	72	1030	204	1930	120	14	1.3	3.8	.00
14	6.5	38	173	65	635	305	3810	250	12	1.2	3.6	.00
15	6.7	25	227	58	449	378	3240	600	10	.90	3.4	.00
16	7.8	17	172	60	331	358	1770	950	9.2	.86	3.2	.00
17	8.3	14	98	79	238	278	1050	1200	8.5	.72	3.2	3.0
18	12	12	72	92	191	860	923	900	7.7	.72	2.9	7.0
19	11	12	59	90	148	2080	923	650	8.1	.73	2.6	8.0
20	9.9	12	52	104	130	1350	675	450	10	.69	2.3	7.0
21	9.4	14	49	382	125	968	501	330	14	.43	1.8	6.5
22	12	101	56	1160	112	667	345	240	18	1.6	1.5	6.0
23	22	299	138	4130	100	509	174	800	26	1.8	1.1	5.7
24	18	373	392	3520	87	453	101	1500	129	1.8	.85	5.8
25	22	423	509	1930	77	480	220	1000	160	2.5	.69	7.3
26	12	447	604	1250	69	635	991	550	64	2.8	.51	8.2
27	9.2	291	642	820	62	744	790	250	30	4.2	.35	7.7
28	6.8	130	509	507	58	658	503	138	18	8.9	.25	7.2
29	5.7	78	291	397	58	582	337	81	12	8.3	.20	10
30	4.9	60	138	281	---	1400	148	65	9.3	5.3	.20	13
31	6.3	---	96	299	---	1970	---	53	---	4.1	.13	---
TOTAL	205.10	2840.7	4813	16762	13422	15924	22913	12196	900.8	90.25	69.48	102.71
MEAN	6.62	94.7	155	541	463	514	764	393	30.0	2.91	2.24	3.42
MAX	22	447	642	4130	2600	2080	3810	1500	160	8.9	4.2	13
MIN	.10	4.2	29	58	58	67	60	50	7.7	.43	.13	.00
CFSM	.04	.53	.86	3.01	2.57	2.86	4.24	2.18	.17	.02	.01	.02
IN.	.04	.59	.99	3.46	2.77	3.29	4.74	2.52	.19	.02	.01	.02
AC-FT	407	5630	9550	33250	26620	31590	45450	24190	1790	179	138	204

CAL YR 1979 TOTAL 126339.67 MEAN 346 MAX 6600 MIN .10 CFSM 1.92 IN 26.11 AC-FT 250600
WTR YR 1980 TOTAL 90239.04 MEAN 247 MAX 4130 MIN .00 CFSM 1.37 IN 18.65 AC-FT 179000

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY RECORDS

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to September 1980.

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 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
02...	1450	9827	9827	--	606	6.3	26.0	22.0	50	4.3	49
10...	1130	1028	--	1.5	--	--	18.5	17.0	--	--	--
29...	1430	9827	9827	--	303	--	19.0	17.0	--	--	--
NOV											
20...	1045	1028	--	11	--	--	20.5	11.0	--	--	--
27...	1200	9827	9827	--	430	5.6	30.0	13.0	60	6.4	60
JAN											
08...	1430	1028	--	101	--	--	6.0	6.5	--	--	--
29...	0800	9827	9827	--	264	5.4	9.0	5.0	100	7.7	60
FEB											
14...	1040	1028	--	584	--	--	9.5	5.5	--	--	--
26...	1309	9827	9827	--	590	5.5	18.0	12.0	30	8.7	81
MAR											
25...	1300	9827	9827	--	246	5.2	17.0	13.0	120	7.3	69
APR											
09...	1400	1028	--	85	--	--	17.5	18.0	--	--	--
22...	0758	9827	9827	--	--	5.8	33.0	18.0	25	5.7	60
JUN											
03...	1345	9827	9827	--	477	5.3	31.0	26.0	100	--	--
03...	1500	1028	--	40	--	--	26.0	25.0	--	--	--
23...	1626	9827	9827	--	296	6.3	40.0	27.0	75	--	--
JUL											
22...	0940	9827	9827	--	--	6.8	28.0	26.0	150	.8	10
30...	1400	1028	--	4.8	--	--	38.0	28.0	--	--	--
AUG											
19...	1325	9827	9827	--	243	7.1	37.0	28.0	100	2.1	27
SEP											
16...	1230	9827	9827	--	280	7.2	38.0	26.0	100	1.1	13
23...	1745	1028	--	5.5	--	--	35.0	24.0	--	--	--

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
02...	1450	1.7	28	99	29	5.6	64	4.0	2	170	6.0
29...	1430	--	60	--	--	--	--	--	--	80	--
NOV											
27...	1200	1.5	48	--	--	--	--	--	--	120	9.0
JAN											
29...	0800	.9	32	--	11	3.0	16	2.0	8	69	17
FEB											
26...	1309	.7	13	--	--	--	--	--	--	170	9.0
MAR											
25...	1300	2.4	180	--	--	--	--	--	--	68	7.0
APR											
22...	0758	.8	>660	47	13	2.6	29	2.0	5	72	8.0
JUN											
03...	1345	--	44	--	--	--	--	--	--	140	--
23...	1626	--	170	--	--	--	--	--	--	78	7.0
JUL											
22...	0940	--	8	--	--	4.1	--	3.0	43	91	6.0
AUG											
19...	1325	1.8	1200	--	--	--	--	--	--	48	4.0
SEP											
16...	1230	4.4	<4	--	--	--	--	--	--	--	1.0

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 02...	1450	--	10	--	.010	.080	.050	<5	<10	<5
NOV 27...	1200	283	9	.04	.010	.100	.040	--	--	--
JAN 29...	0800	195	6	.05	.010	--	<.010	--	<10	<5
FEB 26...	1309	361	7	.03	.010	--	.020	--	--	--
MAR 25...	1300	225	18	<.01	.030	.030	.160	--	--	--
APR 22...	0758	210	12	.02	<.010	.010	.040	2	<10	4
JUN 03...	1345	354	17	.12	.010	.190	.050	--	--	--
23...	1626	239	--	.14	.010	.110	.070	--	--	--
JUL 22...	0940	--	7	.02	.010	.360	.090	--	<10	--
AUG 19...	1325	158	--	.01	.010	.130	.070	--	--	--
SEP 16...	1230	184	16	.02	.040	--	.060	--	--	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 02...	1450	20	1300	30	1000	60	--	--	--	--	--
JAN 29...	0800	20	--	30	510	30	.00	.00	.00	.00	.00
APR 22...	0758	20	1200	50	690	40	--	--	--	--	--
JUL 22...	0940	20	3700	70	7600	60	--	--	--	--	--

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 29...	0800	.00	.00	.00	.00	0	.00

07367666 BIG BAYOU NEAR JEROME, AR

LOCATION.--Lat 33°23'20", long 91°25'30", in SE 1/4 sec.17, T.15 S., R.3 W., Chicot County, Hydrologic Unit 08050001, at bridge on State Highway 144, 2.5 mi (4.0 km) southeast of Jerome.

DRAINAGE AREA.--79.3 mi^2 (205.4 km^2).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 23...	1155	9827	9827	248	7.6	20.0	20.0	50	4.8	52
NOV 20...	1130	9827	9827	230	7.6	24.0	16.0	150	6.8	68
DEC 10...	1520	9827	9827	157	7.1	23.0	10.0	150	11.4	101
JAN 22...	1545	9827	9827	79	6.6	13.0	9.0	200	9.4	81
FEB 12...	1430	9827	9827	89	7.0	4.0	4.0	300	12.7	97
MAR 25...	1340	9827	9827	91	7.0	19.0	15.0	140	8.6	84
JUL 15...	1115	9827	9827	--	7.9	38.0	32.0	20	4.9	66
AUG 12...	1040	9827	9827	--	7.9	32.0	29.0	40	6.5	83
SEP 16...	0920	9827	9827	566	8.1	31.0	28.0	20	6.3	80

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA) (00929)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 23...	1155	3.4	230	92	8.3	16	14	6.0	61	17	11
NOV 20...	1130	2.8	250	--	--	--	--	--	--	23	15
DEC 10...	1520	3.8	20	--	--	--	--	--	--	16	11
JAN 22...	1545	4.2	>600	--	7.0	5.0	--	--	22	6.5	9.0
FEB 12...	1430	3.5	60	--	--	--	--	--	--	6.5	12
MAR 25...	1340	4.1	--	--	--	--	--	--	--	7.0	10
JUL 15...	1115	2.8	220	--	45	18	--	--	87	--	11
AUG 12...	1040	3.2	--	--	--	--	--	--	--	74	8.0
SEP 16...	0920	2.2	<4	--	--	--	--	--	--	82	1.0

07367666 BIG BAYOU NEAR JEROME, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 23...	1155	158	45	.03	.030	.160	.710	<5	<10	<5
NOV 20...	1130	208	35	.18	.050	.390	.400	--	<10	--
DEC 10...	1520	167	38	.07	.070	.100	.360	--	<10	--
JAN 22...	1545	208	237	.11	.180	.150	.450	--	<10	--
FEB 12...	1430	222	93	.02	.160	.140	.390	--	<10	--
MAR 25...	1340	255	159	<.01	.280	.250	.490	--	<10	--
JUL 15...	1115	--	--	.07	.050	.260	.170	--	<10	--
AUG 12...	1040	363	9	--	.030	.330	.110	--	--	--
SEP 16...	0920	315	32	.04	.020	--	.120	--	<10	--

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)
OCT 23...	1155	20	2100	<10	110	50	.00	.00	.00	.00	.00
NOV 20...	1130	70	3900	--	180	10	--	--	--	--	--
DEC 10...	1520	<20	3400	--	110	30	--	--	--	--	--
JAN 22...	1545	20	7100	20	250	60	--	--	--	--	--
FEB 12...	1430	30	7100	--	730	50	.00	.00	.00	.00	.00
MAR 25...	1340	20	6200	--	170	40	--	--	--	--	--
JUL 15...	1115	20	--	10	--	30	.00	.00	.00	.00	.00
AUG 12...	1040	--	--	--	--	--	.00	.00	.00	.00	.00
SEP 16...	0920	<20	530	--	110	<10	.00	.00	.00	.00	.00

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	MALA-THION, TOTAL (UG/L) (39530)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT 23...	1155	.00	.00	.00	.00	0	.00
FEB 12...	1430	.00	.00	.00	.00	0	.00
JUL 15...	1115	.00	.00	.00	.00	0	.00
AUG 12...	1040	.00	.00	.00	.00	0	.00
SEP 16...	0920	.00	.00	.00	.00	0	.00

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		St. Francis River basin					
07046530	Ditch No. 42 at Hickman, Ar.	Lat 35°57'14", long 89°43'59", on west line of SW¼NW¼ sec.5, T.15 N., R.13 E., Mississippi County, at culvert on State Highway 137, 0.7 mi (1.1 km) north of Hickman.	1.08	1963-80	03-17-80	8.54	50
07047200	Ditch No. 45 near Lepanto, Ar.	Lat 35°36'46", long 90°22'30", in SW¼SW¼ sec.32, T.12 N., R.7 E., Poinsett County, at culvert on State Highway 14, 2.5 mi (4.0 km) west of Lepanto.	2.16	1962-80	12-24-79	7.15	94
07047820	Murray Creek near Jonesboro, Ar.	Lat 35°51'52", long 90°38'26", in SW¼SW¼ sec.2, T.14 N., R.4 E., Craighead County, at culvert on U.S. Highway 49, 4.0 mi (6.4 km) northeast of Jonesboro.	1.38	1960-80	12-24-79	[a]11.50	770
07047880	Pope Creek tributary at Birdeye, Ar.	Lat 35°22'35", long 90°42'02", in NE¼SE¼ sec.30, T.9 N., R.4 E., Cross County, at culvert on State Highway 42, 0.9 mi (1.4 km) west of Birdeye.	.08	1963-80	07-22-80	4.66	72
07047924	Crooked Bayou tributary at State Highway 149, at Hughes, Ar.	Lat 34°57'07", long 90°28'00", in SW¼SE¼ sec.16, T.4 N., R.6 E., St. Francis County, at culvert on State Highway 149, 0.4 mi (0.6 km) northeast of junction of State Highway 38 and 149, at Hughes.	.48	1963-80	07-22-80	12.63	625
		White River basin					
07047975	Dog Branch at St. Paul, Ar. (Discon.)	Lat 35°49'32", long 93°45'49", in NW¼NW¼ sec.4, T.13 N., R.26 W., Madison County, at culvert on State Highway 23, at St. Paul.	1.23	1961-80	06-17-80	7.04	83
07047990	West Fork White River tributary near Greenland, Ar.	Lat 35°58'22", long 94°09'56", in NW¼SE¼ sec.16, T.15 N., R.30 W., Washington County, at culvert on U.S. Highway 71, 1.5 mi (2.4 km) south of Greenland.	.67	1960-80	03-29-80	4.50	33
07048900	Whitener Branch tributary near Spring Valley, Ar.	Lat 36°10'24", long 93°54'59", in SE¼NW¼ sec.1, T.17 N., R.28 W., Washington County, at culvert on State Highway 68, 1.0 mi (1.6 km) east of Spring Valley.	1.07	1960-80	06-17-80	7.52	252
07048940	War Eagle Creek near Witter, Ar.	Lat 35°54'05", long 93°42'04", in SE¼SE¼ sec.2, T.14 N., R.26 W., Madison County, at bridge on State Highway 23, 2.8 mi (4.5 km) south of Witter.	22.4	1963-80	06-18-80	10.34	1,040
07050200	Maxwell Creek at Kingston, Ar.	Lat 36°03'06", long 93°31'03", in SW¼NW¼ sec.15, T.16 N., R.24 W., Madison County, at bridge on State Highway 21, 0.1 mi (0.2 km) north of Kingston.	2.75	1961, 1963-80	06-17-80	5.33	290
07050400	Freeman Branch at Berryville, Ar. (Discon.)	Lat 36°22'06", long 93°33'33", in SE¼NW¼ sec.29, T.20 N., R.24 W., Carroll County, at culvert on College Street, 0.5 mi (0.8 km) east of State Highway 21 in Berryville. Prior to 1972 published as Osage Creek tributary at Berryville.	.73	1961-80	06-18-80	6.57	185
07050500	Kings River near Berryville, Ar.	Lat 36°25'36", long 93°37'15", in SE¼NE¼ sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 5.3 mi (8.5 km) northwest of Berryville.	527	1939-75‡ 1976-80	03-25-80	5.92	4,040

‡ Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum: Date	Annual maximum: Gage height (feet)	Annual maximum: Discharge (ft^3/s)
		White River basin--Continued					
07054400	Charley Creek near Omaha, Ar.	Lat 36°27'24", long 93°04'46", in NW¼SW¼ sec.23, T.21 N., R.20 W., Boone County, at culvert on State Highway 14, 6.1 mi (9.8 km) east of Omaha.	3.41	1962-80	06-18-80	11.89	790
07054450	East Sugarloaf Creek tributary near Lead Hill, Ar.	Lat 36°22'28", long 92°49'52", in NW¼NW¼ sec.19, T.20 N., R.17 W., Marion County, at culvert on State Highway 14, 5.0 mi (8.0 km) southeast of Lead Hill.	.85	1962-80	06-23-80	7.08	140
07055550	Crooked Creek tributary near Dogpatch, Ar.	Lat 36°09'01", long 93°07'23", in SW¼SW¼ sec.4, T.17 N., R.20 W., Boone County, at culvert on State Highway 7, 2.9 mi (4.7 km) north of Dogpatch. Prior to 1967 published as Crooked Creek tributary near Marble Falls.	4.36	1961-80	09-23-80	5.74	335
07055650	Smith Creek near Boxley, Ar.	Lat 35°56'50", long 93°23'52", in SW¼NW¼ sec.23, T.15 N., R.23 W., Newton County, at bridge on State Highway 21, 1.7 mi (2.7 km) south of Boxley.	8.35	1963-80	06-17-80	[b]5.20	580
07055800	Dry Branch near Vendor, Ar.	Lat 35°56'00", long 93°06'46", in SW¼SW¼ sec.21, T.15 N., R.20 W., Newton County, at bridge on county road, 2.4 mi (3.9 km) southwest of Vendor.	6.15	1962-80	06-18-80	9.01	450
07057300	Dodd Creek tributary near Mountain Home, Ar.	Lat 36°19'05", long 92°24'01", in NE¼SW¼ sec.17, T.19 N., R.13 W., Baxter County, at culvert on U.S. Highway 62, 1.5 mi (2.4 km) southwest of Mountain Home. Prior to 1966 published as Big Creek tributary near Mountain Home.	.76	1961-80	06-23-80	10.00	242
07060600	Band Mill Creek near Brockwell, Ar.	Lat 36°08'02", long 91°58'48", in SE¼SE¼ sec.7, T.17 N., R.9 W., Izard County, at culvert on State Highway 56, 3.1 mi (5.0 km) west of Brockwell.	1.25	1961-80	05-16-80	4.85	165
07060670	Hughes Creek near Mountain View, Ar. (Discon.)	Lat 35°51'46", long 92°08'47", in NE¼SW¼ sec.10, T.14 N., R.11 W., Stone County, at bridge on State Highway 66, 1.7 mi (2.7 km) west of Mountain View. Prior to 1969 published as Lick Fork tributary near Mountain View.	3.20	1961-80	05-23-80	[c]5.89	545
07060830	Wolf Bayou near Drasco, Ar.	Lat 35°39'36", long 91°55'15", in NW¼SE¼ sec.23, T.12 N., R.9 W., Cleburne County, at culvert on State Highway 25, 2.4 mi (3.9 km) northeast of Drasco.	.27	1963-80	12-24-79	4.77	30
07061000	White River at Batesville, Ar.	Lat 35°45'35", long 91°38'28", in NE¼NW¼ sec.21, T.13 N., R.6 W., Independence County, at bridge on U.S. Highway 167 in Batesville.	11,070	1978-80	12-25-79	10.61	23,700
07061100	Gibbs Creek at Sulphur Rock, Ar.	Lat 35°45'32", long 91°30'52", in SE¼SW¼ sec.15, T.13 N., R.5 W., Independence County, at culvert on State Highway 69, 0.9 mi (1.4 km) west of Sulphur Rock.	3.90	1962-80	12-24-79	6.59	380
07068870	Fourche River tributary at Middlebrook, Ar. (Discon.)	Lat 36°27'46", long 90°55'26", in NW¼SW¼ sec.13, T.21 N., R.1 E., Randolph County, at culvert on State Highway 115, 0.3 mi (0.5 km) north of Middlebrook. Prior to 1969 published as Fourche Creek tributary at Middlebrook.	.19	1961-80	03-17-80	5.33	18
07069250	Brush Creek near Mammoth Spring, Ar.	Lat 36°25'36", long 91°29'27", in SE¼SE¼ sec.34, T.21 N., R.5 W., Fulton County, at culvert on U.S. Highway 63, 5.5 mi (8.8 km) southeast of Mammoth Spring. Prior to 1967 published as Spring River tributary near Mammoth Spring.	.48	1961-80	12-24-79	9.03	230

b Downstream gage.
c Upstream gage.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		White River basin--Continued					
07069290	Miller Creek near Salem, Ar.	Lat 36°20'13", long 91°46'32", in SE¼NW¼ sec.6, T.19 N., R.7 W., Fulton County, at culvert on U.S. Highway 62, 3.6 mi (5.8 km) southeast of Salem.	2.28	1961, 1963-80	12-24-79	4.72	258
07072200	Hubble Creek near Pocahontas, Ar.	Lat 36°15'32", long 91°02'02", in SE¼SW¼ sec.25, T.19 N., R.1 W., Randolph County, at culvert on U.S. Highway 62, 3.4 mi (5.5 km) west of Pocahontas. Prior to 1966 published as Eleven Point River tributary near Pocahontas.	1.33	1961-80	03-17-80	[a]8.33	400
07074200	Dry Branch tributary near Sidney, Ar. (Discon.)	Lat 36°00'12", long 91°35'06", in NW¼SW¼ sec.25, T.16 N., R.6 W., Sharp County, at culvert on U.S. Highway 167, 4.2 mi (6.8 km) east of Sidney. Prior to 1963 published as Big Creek tributary near Sidney.	1.22	1961-80	06-23-80	7.09	135
07074250	Reeds Creek near Strawberry, Ar.	Lat 35°58'58", long 91°20'12", in SW¼SW¼ sec.32, T.16 N., R.3 W., Lawrence County, at bridge on State Highway 117, 1.4 mi (2.3 km) northwest of Strawberry.	34.9	1963-80	03-17-80	[a]14.04	4,500
07064080	Black River near Pocahontas, Ar.	Lat 36°14'11", long 90°52'52", in NE¼NE¼ sec.5, T.18 N., R.2 E., Randolph County, 400 ft (112 m) north of State Highway 304, 4.8 mi (7.7 km) upstream from Current River, and 5.3 mi (8.5 km) east of Pocahontas.	1,910	1979-80	04-04-79 04-03-80	[d]21.13 12.90	† 5,000
07074420	Black River at Elgin Ferry, Ar.	Lat 35°45'51", long 91°17'40", in NW¼SE¼ sec.15, T.13 N., R.3 W., Jackson County, on left bank 500 ft (152 m) downstream from State Highway 37 at Elgin Ferry.	8,418	1979-80	04-03-79 04-02-80	[d]26.74 17.35	35,100 17,500
07074550	Village Creek near O'Kean, Ar. (Discon.)	Lat 36°10'45", long 90°50'29", on south line SW¼SW¼ sec.23, T.18 N., R.2 E., Randolph County, at bridge on State Highway 90, 1.6 mi (2.6 km) northwest of O'Kean. Prior to 1965 published as Village Creek Main Ditch near O'Kean.	6.24	1961-80	03-17-80	6.81	67
07074855	Cypress Creek tributary near Augusta, Ar.	Lat 35°20'37", long 91°20'38", in SE¼SE¼ sec.6, T.8 N., R.3 W., Woodruff County, at culvert on State Highway 33, 4.4 mi (7.1 km) north of Augusta.	5.54	1962-80	03-17-80	3.71	200
07074900	Trace Creek tributary near Marshall, Ar.	Lat 35°52'14", long 92°36'08", in NE¼SW¼ sec.8, T.14 N., R.15 W., Searcy County, at culvert on U.S. Highway 65, 3.2 mi (5.1 km) south of Marshall.	.26	1961-80	05-17-80	8.21	72
07074950	Tick Creek near Leslie, Ar. (Discon.)	Lat 35°51'20", long 92°26'24", in SW¼NE¼ sec.14, T.14 N., R.14 W., Searcy County, at culvert on State Highway 66, 1.5 mi (2.4 km) northeast of Oxley, and 7.0 mi (11.3 km) east of Leslie.	1.58	1961-80	12-24-79	6.87	180
07075600	Choctaw Creek tributary near Choctaw, Ar.	Lat 35°31'36", long 92°25'02", in SE¼SW¼ sec.6, T.10 N., R.13 W., Van Buren County, at culvert on State Highway 330, 1.4 mi (2.3 km) east of Choctaw.	1.36	1964-80	06-19-80	7.93	105
07075800	Dill Branch tributary near Ida, Ar.	Lat 35°32'33", long 91°57'34", in SW¼NE¼ sec.33, T.11 N., R.9 W., Cleburne County, at culvert on State Highway 25, 3.5 mi (5.6 km) southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida.	.26	1964-80	05-16-80	5.98	17

† Not determined.
a From floodmark.
d Not previously published.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		White River basin--Continued					
07076630	Key Branch near Searcy, Ar.	Lat 35°14'47", long 91°47'01", in NW¼SW¼ sec.8, T.7 N., R.7 W., White County, at culvert on State Highway 36, 2.8 mi (4.5 km) west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy.	.66	1961-80	04-08-80	6.49	337
07076750	White River at Georgetown, Ar.	Lat 35°07'45", long 91°27'00", in SW¼SW¼ sec.20, T.6 N., R.4 W., on right bank at Georgetown.	22,387	1978-80	12-29-79	13.81	29,600
07076870	Pigeon Roost Creek at Butlerville, Ar.	Lat 34°58'36", long 91°50'38", in NW¼NE¼ sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi (1.0 km) west of Butlerville.	23.0	1961-80	03-17-80	10.22	1,400
07077100	Big Creek near Boydsville, Ar.	Lat 36°22'12", long 90°19'50", in SE¼NW¼ sec.16, T.20 N., R.7 E., Clay County, at bridge on county road, 0.5 mi (0.8 km) south of Crockett, and 4.0 mi (6.4 km) northeast of Boydsville.	12.8	1962-80	08-14-80	14.13	2,250
07077200	Big Creek tributary near Boydsville, Ar.	Lat 36°22'32", long 90°19'56", in SE¼SW¼ sec.9, T.20 N., R.7 E., Clay County, at culvert on county road, 0.1 mi (0.2 km) west of Crockett, and 4.1 mi (6.6 km) northeast of Boydsville.	1.58	1962-80	03-17-80	6.92	290
07077340	Sugar Creek tributary near Walcott, Ar.	Lat 36°04'26", long 90°36'55", in NW¼SW¼ sec.25, T.17 N., R.4 E., Greene County, at culvert on State Highway 25, 3.2 mi (5.1 km) east of junction of State Highways 25 and 141, and 3.9 mi (6.3 km) northeast of Walcott.	.68	1963-80	05-23-80	5.81	125
07077430	Willow Ditch near Egypt, Ar.	Lat 35°56'29", long 90°56'33", in SW¼SW¼ sec.12, T.15 N., R.1 E., Lawrence County, at culvert on State Highway 91, 5.1 mi (8.2 km) north of Egypt.	.48	1963-80	03-17-80	3.83	12
07077680	Threemile Creek near Amagon, Ar. (Discon.)	Lat 35°33'42", long 91°01'25", in NW¼NE¼ sec.30, T.11 N., R.1 E., Poinsett County, at bridge on State Highway 14, 4.8 mi (7.7 km) east of Amagon.	7.93	1961-80	07-22-80	3.51	285
07077860	Boat Gunwale Slash near Holly Grove, Ar.	Lat 34°36'18", long 91°10'12", in SE¼SW¼ sec.13, T.1 S., R.2 W., Monroe County, at bridge on State Highway 86, 1.8 mi (2.9 km) northeast of Holly Grove. Prior to 1972 published as Boat Gunnale Slash tributary near Holly Grove.	10.0	1962-80	03-17-80	10.20	420
07077920	Big Creek at Goodwin, Ar.	Lat 34°56'22", long 91°00'55", in NE¼NE¼ sec.29, T.4 N., R.1 E., St. Francis County, at bridge on U.S. Highway 70, 0.3 mi (0.5 km) east of Goodwin.	31.1	1961-80	03-17-80	9.25	490
07077940	Spring Creek near Aubrey, Ar.	Lat 34°41'16", long 90°53'45", in SW¼SE¼ sec.16, T.1 N., R.2 E., Lee County, at bridge on State Highway 121, 2.1 mi (3.4 km) south of Aubrey.	38.0	1962-80	07-22-80	[a]16.03	2,100
07078170	Little LaGrue Bayou tributary near DeWitt, Ar. (Discon.)	Lat 34°19'33", long 91°24'06", on east line NE¼NE¼ sec.26, T.4 S., R.4 W., Arkansas County, at bridge on county road, 4.5 mi (7.2 km) northwest of DeWitt.	1.51	1961-80	11-22-79	9.45	218
07078210	Tarleton Creek tributary at Ethel, Ar.	Lat 34°18'02", long 91°09'45", in NW¼SE¼ sec.31, T.4 S., R.1 W., Arkansas County, at culvert on State Highway 17, 1.0 mi (1.6 km) north of Ethel.	.20	1963-80	03-17-80	5.62	84

a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin					
07188900	Butler Creek tributary near Gravette, Ar. (Discon.)	Lat 36°26'51", long 94°26'36", in SW¼SE¼ sec.36, T.21 N., R.33 W., Benton County, at culvert on State Highway 59, 2.0 mi (3.2 km) north of Gravette.	.96	1961-80	05-26-80	5.00	90
07194890	Osage Creek at Cave Springs, Ar.	Lat 36°15'56", long 94°14'15", in SW¼NW¼ sec.1, T.18 N., R.31 W., Benton County, at bridge on State Highway 264, 0.4 mi (0.6 km) west of Cave Springs.	40.4	1950, 1963-80	06-19-80	4.31	200
07195450	Ballard Creek at Summers, Ar.	Lat 35°58'42", long 94°29'56", in SW¼SW¼ sec.16, T.15 N., R.33 W., Washington County, at bridge on U.S. Highway 62, 0.4 mi (0.6 km) west of Summers.	14.6	1963-80	06-19-80	[a]3.40	144
07249300	James Fork near Midland, Ar.	Lat 35°04'27", long 94°20'20", in NW¼NW¼ sec.32, T.5 N., R.31 W., Sebastian County, at bridge on State Highway 252, 1.6 mi (2.6 km) southeast of Midland.	44.0	1963-80	05-16-80	5.63	2,000
07249500	Cove Creek near Lee Creek, Ar.	Lat 35°43'20", long 94°24'28", in SW¼NW¼ sec.16, T.12 N., R.32 W., Crawford County, at bridge on U.S. Forest Service road, 4.5 mi (7.2 km) northwest of Lee Creek.	35.3	1951-70‡ 1971-80	05-22-80	5.18	1,030
07249650	Mountain Fork near Evansville, Ar.	Lat 35°42'23", long 94°28'57", in NE¼SE¼ sec.22, T.12 N., R.33 W., Crawford County, at bridge on State Highway 59, 6.2 mi (10.0 km) south of Evansville. Prior to 1971 published as Mountain Fork Creek near Evansville.	8.15	1962-80	06-19-80	5.66	290
07249950	Webber Creek tributary near Cedarville, Ar.	Lat 35°36'00", long 92°22'49", in SE¼SE¼ sec.27, T.11 N., R.32 W., Crawford County, at culvert on State Highway 59, 2.3 mi (3.7 km) north of Cedarville.	.34	1962-80	03-24-80	5.77	14
07251500	Frog Bayou at Rudy, Ar.	Lat 35°31'32", long 94°16'18", in SW¼SW¼ sec.23, T.10 N., R.31 W., Crawford County, at bridge on State Highway 282 at Rudy.	216	1951-70‡ 1971-80	03-24-80	6.28	1,890
07252200	North Fork White Oak Creek tributary near Watalula, Ar.	Lat 35°35'43", long 93°50'49", in SE¼NE¼ sec.27, T.11 N., R.27 W., Franklin County, at culvert on State Highway 23, 2.2 mi (3.5 km) northwest of Watalula.	.46	1961-80	03-24-80	6.44	147
07256500	Spadra Creek at Clarksville, Ar.	Lat 35°28'06", long 93°27'46", in NW¼NE¼ sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mi (0.3 km) downstream from bridge on U.S. Highway 64.	61.1	1953-70‡ 1971-80	05-17-80	8.13	3,460
07257060	Mikes Creek tributary near Ozone, Ar.	Lat 35°37'25", long 93°26'02", in NE¼SE¼ sec.9, T.11 N., R.23 W., Johnson County, at culvert on State Highway 21, 1.4 mi (2.3 km) southeast of Ozone.	.20	1964-80	05-16-80	3.89	47
07257100	Minnow Creek tributary near Hagarville, Ar.	Lat 35°30'10", long 93°21'56", in SE¼SE¼ sec.19, T.10 N., R.22 W., Johnson County, at culvert on State Highway 123, 2.6 mi (4.2 km) southwest of Hagarville.	.19	1962-80	05-16-80	5.20	93
07257200	Little Piney Creek near Lamar, Ar.	Lat 35°26'58", long 93°20'17", in SW¼NE¼ sec.9, T.9 N., R.22 W., Johnson County, on left bank 600 ft (183 m) upstream from State Highway 194 bridge, 3.0 mi (4.8 km) east of Lamar.	154	1978-80	05-17-80	13.37	9,800
07257500	Illinois Bayou near Scottsville, Ar.	Lat 35°27'58", long 93°02'28", in SE¼SW¼ sec.32, T.10 N., R.19 W., Pope County, at bridge on county road, 1.3 mi (2.1 km) north of Scottsville.	241	1948-70‡ 1971-80	12-23-79	15.50	17,100

‡ Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum: Date	Annual maximum: Gage height (feet)	Annual maximum: Discharge (ft^3/s)
		Arkansas River basin--Continued					
07257700	McCoy Creek near Dover, Ar.	Lat 35°25'04", long 93°05'09", in SE¼NE¼ sec.23, T.9 N., R.20 W., Pope County, at bridge on State Highway 27, 2.0 mi (3.2 km) northeast of Dover.	7.05	1961-80	12-24-79	5.79	590
07258200	Pack Saddle Creek tributary near Waldron, Ar.	Lat 34°58'18", long 94°05'42", in SE¼SE¼ sec.29, T.4 N., R.29 W., Scott County, at culvert on U.S. Highway 71, 5.2 mi (8.4 km) north of Waldron.	.92	1961-80	05-16-80	4.39	127
07260000	Dutch Creek at Waltreak, Ar.	Lat 34°59'15", long 93°36'45", in SE¼NW¼ sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mi (0.3 km) north of Waltreak.	81.4	1945-75‡ 1976-80	05-16-80	10.69	3,130
07260630	Jake Creek near Chickalah, Ar. (Discon.)	Lat 35°07'49", long 93°20'19", in NW¼SE¼ sec.33, T.6 N., R.22 W., Yell County, at culvert on State Highway 27, 0.7 mi (1.1 km) northeast of Ranger, 4.2 mi (6.8 km) southwest of Chickalah.	1.85	1961-80	12-24-79	5.50	140
07260673	West Fork Point Remove Creek near Hattieville, Ar.	Lat 35°19'25", long 92°52'22", in NE¼SE¼ sec.23, T.8 N., R.18 W., Pope County, on right bank about 300 ft (91.4 m) upstream from State Highway 247 bridge, 0.4 mi (0.6 km) downstream from Hackers Creek, 5.5 mi (8.8 km) northwest of Hattieville.	222	1978-80	12-24-79	14.22	2,430
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ar.	Lat 35°16'10", long 92°43'59", in NE¼NE¼ sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi (3.5 km) south of Saint Vincent.	.09	1967-80	06-18-80	5.57	13
07261050	Pine Mountain Creek tributary near Damascus, Ar. (Discon.)	Lat 35°23'19", long 92°23'17", in NW¼SW¼ sec.28, T.9 N., R.13 W., Van Buren County, at culvert on State Highway 124, just east of junction with U.S. Highway 65, and 2.0 mi (3.2 km) northeast of Damascus.	.29	1961-80	10-31-79	7.40	67
07261250	Cadron Creek near Conway, Ar.	Lat 35°06'53", long 92°31'35", in NE¼SE¼ sec.31, T.6 N., R.14 W., Faulkner County, about 600 ft (183 m) downstream from bridge on U.S. Highway 64, 4.0 mi (6.4 km) west of Conway.	752	1979-80	04-02-79 04-15-80	d16.70 9.80	† 4,270
07261800	Brogan Creek near Rover, Ar.	Lat 34°54'28", long 92°24'06", in NW¼SE¼ sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi (4.3 km) south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover.	1.04	1963-80	04-25-80	4.16	65
07263012	Fourche LaFave River near Aplin, Ar.	Lat 34°57'23", long 92°59'04", in E½NE¼ sec.35, T.4 N., R.19 W., Perry County, on right bank 30 ft (9.1 m) upstream from bridge on State Highway 155, 1.0 mi (1.6 km) south of Aplin.	957	1980	12-24-79	15.28	5,790
07263100	Fourche LaFave River tributary near Perryville, Ar.	Lat 35°01'14", long 92°46'06", in NW¼SW¼ sec.1, T.4 N., R.17 W., Perry County, at culvert on State Highway 60, 2.2 mi (3.5 km) northeast of Perryville.	1.47	1962-80	04-08-80	7.95	340
07263400	Little Maumelle River at Ferndale, Ar.	Lat 34°46'48", long 92°33'15", in NW¼SE¼ sec.25, T.2 N., R.15 W., Pulaski County, at bridge on county road, 0.2 mi (0.3 km) northeast of Ferndale.	15.0	1963-80	05-22-80	7.28	540
07263910	Cypress Branch near Jacksonville, Ar. (Discon.)	Lat 34°54'28", long 92°10'55", in SE¼NE¼ sec.9, T.3 N., R.11 W., Pulaski County, at culvert on State Highway 107, 5.0 mi (8.0 km) northwest of Jacksonville.	2.38	1961-80	12-24-79	10.09	441

† Not determined.
‡ Operated as a continuous-record gaging station.
d Not previously published.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07264100	White Oak Branch near Lonoke, Ar.	Lat 34°46'20", long 91°50'34", on west line SW¼NW¼ sec.26, T.2 N., R.8 W., Lonoke County, at bridge on county road, 3.3 mi (5.3 km) east of Lonoke.	8.41	1961-80	03-16-80	8.41	640
		Red River basin					
07338700	Twomile Creek near Hatfield, Ar.	Lat 34°30'52", long 94°20'14", in NW¼NW¼ sec.8, T.3 S., R.31 W., Polk County, at bridge on U.S. Highway 71, 3.1 mi (5.0 km) northeast of Hatfield.	15.9	1963-80	12-24-79	7.82	1,210
07339800	Pepper Creek near DeQueen, Ar.	Lat 34°02'44", long 94°18'13", on north line NW¼NE¼ sec.28, T.8 S., R.31 W., Sevier County, at bridge on U.S. Highway 71, 1.5 mi (2.4 km) east of junction of U.S. Highways 70 and 71, and 2.3 mi (3.7 km) east of DeQueen.	6.41	1961-80	09-28-80	7.56	1,900
07340200	West Flat Creek near Foreman, Ar.	Lat 33°45'13", long 94°23'28", in NW¼SW¼ sec.2, T.12 S., R.32 W., Little River County, at bridge on State Highway 41, 2.3 mi (3.7 km) north of Foreman.	10.7	1962-80	04-13-80	12.06	2,800
07340530	Mill Slough tributary near Lockesburg, Ar.	Lat 33°58'04", long 94°11'25", on south line SW¼NW¼ sec.22, T.9 S., R.30 W., Sevier County, at culvert on State Highway 24, 1.3 mi (2.1 km) west of Lockesburg.	.64	1963-80	09-28-80	4.15	78
07341100	Rock Creek near Dierks, Ar.	Lat 34°06'46", long 94°02'25", in SW¼NE¼ sec.36, T.7 S., R.29 W., Howard County, at bridge on U.S. Highway 70, 1.4 mi (2.3 km) southwest of Dierks.	9.46	1961, 1963-80	09-28-80	8.34	2,700
07341700	Caney Creek near Hope, Ar.	Lat 33°41'33", long 93°38'12", in SE¼NE¼ sec.24, T.12 S., R.25 W., Hempstead County, at bridge on State Highway 4, 3.1 mi (5.0 km) northwest of Hope.	12.9	1963-80	05-22-80	9.77	950
07344320	Mill Creek tributary near Fouke, Ar.	Lat 33°17'52", long 93°54'58", in NW¼NE¼ sec.8, T.17 S., R.27 W., Miller County, at culvert on U.S. Highway 71, 3.0 mi (5.0 km) northwest of Fouke.	1.44	1961-80	05-16-80	9.91	468
07346800	East Fork Kelly Bayou tributary at Kiblah, Ar. (Discon.)	Lat 33°02'57", long 93°53'44", in NE¼NW¼ sec.3, T.20 S., R.27 W., Miller County, at culvert on U.S. Highway 71, 0.1 mi (0.2 km) south of Kiblah.	.14	1961-80	05-16-80	6.61	19
07348630	Barlow Branch tributary near McNeil, Ar.	Lat 33°18'44", long 93°13'52", in NW¼SE¼ sec.25, T.16 S., R.21 W., Columbia County, at culvert on county road, 2.5 mi (4.0 km) south of McNeil.	.05	1961-80	05-16-80	6.04	25
07355800	Lewis Creek tributary near Mena, Ar.	Lat 34°37'15", long 94°12'15", in NE¼SW¼ sec.33, T.1 S., R.30 W., Polk County, at culvert on U.S. Highway 71, 3.1 mi (5.0 km) northeast of Mena.	.65	1961-80	12-24-79	3.31	140
07355900	Big Fork tributary at Big Fork, Ar.	Lat 34°28'23", long 93°56'38", in SE¼NW¼ sec.23, T.3 S., R.28 W., Polk County, at culvert on State Highway 8, 0.9 mi (1.4 km) southeast of Big Fork.	[e].17	1964-80	05-16-80	6.74	27
07356700	Barnes Branch near Mount Ida, Ar. (Discon.)	Lat 34°33'57", long 93°37'03", in SE¼SE¼ sec.13, T.2 S., R.25 W., Montgomery County, at culvert on State Highway 27, 1.1 mi (1.8 km) northeast of Mount Ida.	1.85	1961-80	09-28-80	10.15	275
07357700	Glazypeau Creek at Mountain Valley, Ar.	Lat 34°37'33", long 93°03'10", in SE¼SE¼ sec.20, T.1 S., R.19 W., Garland County, at bridge on State Highway 7, 0.3 mi (0.5 km) southeast of Mountain Valley.	3.84	1961-80	04-25-80	[a]9.02	248

a From floodmark.
e Revised.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07359520	Jackson Creek near Malvern, Ar.	Lat 34°22'01", long 92°52'01", in SW¼NE¼ sec.19, T.4 S., R.17 W., Hot Spring County, at culvert on State Highway 84, 3.2 mi (5.1 km) west of Malvern. Prior to 1978 published as Ouachita River tributary near Malvern.	2.95	1962-80	04-13-80	4.83	73
07359750	Little Sugarloaf Creek near Bonnerdale, Ar.	Lat 34°21'40", long 93°27'30", in NW¼SW¼ sec.27, T.4 S., R.23 W., Montgomery County, at bridge on U.S. Highway 70, 4.7 mi (7.6 km) southwest of Bonnerdale.	2.32	1962-80	07-27-80	8.13	480
07360150	Pearson Creek tributary near Dalark, Ar. (Discon.)	Lat 34°01'59", long 92°52'05", in SE¼NW¼ sec.17, T.8 S., R.17 W., Dallas County, at culvert on State Highway 8, 1.1 mi (1.8 km) east of Dalark. Prior to 1965 published as Casa Massa Creek tributary near Dalark.	.42	1961-80	04-13-80	3.96	55
07361020	Prairie Creek tributary near Kirby, Ar.	Lat 34°09'10", long 93°37'53", in NW¼SE¼ sec.11, T.7 S., R.25 W., Pike County, at culvert on State Highway 27, 6.6 mi (10.6 km) south of Kirby.	.16	1963-80	09-28-80	3.74	52
07361180	South Fork Ozan Creek near Ozan, Ar.	Lat 33°49'15", long 93°42'28", in SE¼SW¼ sec.5, T.11 S., R.25 W., Hempstead County, at bridge on State Highway 4, 2.0 mi (3.2 km) south of Ozan.	17.7	1963-80	04-13-80	20.79	3,420
07361680	Middle Caney Creek tributary near Rosston, Ar.	Lat 33°36'19", long 93°17'31", in SW¼SE¼ sec.17, T.13 S., R.21 W., Nevada County, at culvert on State Highway 19, 1.0 mi (1.6 km) north of junction of State Highways 4 and 19, and 1.3 mi (2.1 km) northwest of Rosston. Prior to 1965 published as Little Caney Creek near Rosston.	1.48	1961-80	03-24-80	9.31	265
07361780	Bradshaw Creek near Hollywood, Ar.	Lat 34°06'02", long 93°12'24", in NE¼SE¼ sec.26, T.7 S., R.21 W., Clark County, at bridge on State Highway 26, 2.6 mi (4.2 km) east of Hollywood. Prior to 1971 published as Old Bradshaw Creek near Hollywood.	3.36	1962-80	04-13-80	11.38	470
07362050	Ross Creek near Camden, Ar. (Discon.)	Lat 33°32'38", long 92°53'18", in SE¼NE¼ sec.6, T.14 S., R.17 W., Ouachita County, at bridge on U.S. Highway 79, 4.2 mi (6.8 km) southwest of Camden.	10.3	1961-80	04-13-80	9.16	330
07362330	Dunn Creek near Hampton, Ar.	Lat 33°32'05", long 92°30'55", in SE¼NW¼ sec.2, T.14 S., R.14 W., Calhoun County, at bridge on State Highway 4, 2.8 mi (4.5 km) west of Hampton.	13.6	1962-80	04-13-80	6.80	500
07362450	Crooks Creek near Fordyce, Ar.	Lat 33°50'33", long 92°28'09", in NW¼NE¼ sec.19, T.10 S., R.13 W., Dallas County, at bridge on State Highway 8, 3.9 mi (6.3 km) northwest of Fordyce.	5.02	1962-80	04-13-80	9.08	440
07363000	Saline River at Benton, Ar.	Lat 34°34'05", long 92°36'40", in SE¼NE¼ sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mi (1.3 km) west of Benton, and 3.0 mi (4.8 km) downstream from confluence of North Fork and Alum Fork.	550	1951-79‡ 1980	12-24-79	16.30	11,900
07363050	Holly Creek tributary near Benton, Ar.	Lat 34°32'04", long 92°33'12", in SW¼NW¼ sec.19, T.2 S., R.14 W., Saline County, at culvert on State Highway 35, 2.8 mi (4.5 km) southeast of Benton.	1.44	1962-80	05-13-80	3.84	72
07363330	West Fork Big Creek at Sheridan, Ar.	Lat 34°19'13", long 92°23'43", in NW¼NE¼ sec.3, T.5 S., R.13 W., Grant County, at bridge on U.S. Highway 167, 0.9 mi (1.4 km) north of junction of U.S. Highways 167 and 270 in Sheridan.	4.86	1960, 1963-80	03-13-80	13.92	610

‡ Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07363430	East Fork Derieusseaux Creek near Pine Bluff, Ar. (Discon.)	Lat 34°17'57", long 92°11'37", in NW¼NW¼ sec.10, T.5 S., R.11 W., Jefferson County, at culvert on U.S. Highway 270, 12.0 mi (19.3 km) northwest of Pine Bluff.	.66	1961-80	04-13-80	8.64	156
07363450	Varnell Creek near Rison, Ar.	Lat 33°56'12", long 92°10'31", in NW¼NE¼ sec.18, T.9 S., R.10 W., Cleveland County, at culvert on State Highway 35, 1.8 mi (2.9 km) southeast of Rison. Prior to 1972 published as Saline River tributary near Rison.	.28	1964-80	04-13-80	6.20	61
07364030	L'Aigle Creek tributary near Hermitage, Ar.	Lat 33°24'48", long 92°12'33", in SE¼NW¼ sec.14, T.15 S., R.11 W., Bradley County, at culvert on State Highway 15, 3.3 mi (5.3 km) southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-80	11-22-79	4.39	44
07364070	Bear Creek near Strong, Ar.	Lat 33°04'32", long 92°19'33", in NE¼SE¼ sec.10, T.19 S., R.12 W., Union County, at bridge on State Highway 129, 2.9 mi (4.7 km) southwest of Strong.	5.62	1963-80	01-22-80	12.83	360
07364110	Nevins Creek tributary near Pine Bluff, Ar.	Lat 34°10'08", long 92°05'12", in NW¼SE¼ sec.26, T.6 S., R.10 W., Jefferson County, at culvert on U.S. Highway 79, 6.0 mi (9.7 km) southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew tributary near Pine Bluff.	.75	1961-80	04-13-80	4.88	115
07364125	Cane Creek at Star City, Ar.	Lat 33°57'18", long 91°50'34", in SE¼SE¼ sec.5, T.9 S., R.7 W., Lincoln County, at bridge on State Highway 81, 0.9 mi (1.4 km) north of junction of State Highways 11 and 81, in Star City.	4.91	1962-80	04-13-80	8.80	1,300
07364165	Upper Cutoff Creek near Monticello, Ar.	Lat 33°44'20", long 91°44'51", in NW¼SW¼ sec.20, T.11 S., R.6 W., Drew County, at bridge on State Highway 83, 8.0 mi (12.9 km) north of Monticello.	18.5	1963-80	11-23-79	10.01	1,100
07364260	Hanks Creek near Hamburg, Ar.	Lat 33°10'12", long 91°49'40", in NW¼SE¼ sec.4, T.18 S., R.7 W., Ashley County, at bridge on State Highway 52, 4.3 mi (6.9 km) southwest of Hamburg.	20.9	1962-80	04-13-80	9.68	840
07364550	Cany Creek tributary near El Dorado, Ar.	Lat 33°11'22", long 92°36'28", in NE¼NW¼ sec.1, T.18 S., R.15 W., Union County, at culvert on U.S. Highway 82, 3.5 mi (5.6 km) southeast of El Dorado.	.13	1961-80	11-21-79	7.50	57
07367658	Cypress Creek Canal No. 19 tributary near Dumas, Ar.	Lat 33°51'47", long 91°28'46", in SE¼NW¼ sec.2, T.10 S., R.4 W., Desha County, at culvert on U.S. Highway 65, 1.5 mi (2.4 km) south of Dumas.	.94	1961-80	09-28-80	7.14	127
07367670	Wards Bayou tributary at Montrose, Ar. (Discon.)	Lat 33°18'15", long 91°29'37", in SE¼SE¼ sec.15, T.16 S., R.4 W., Ashley County, at culvert on U.S. Highway 165, 0.4 mi (0.6 km) north of junction of U.S. Highways 165 and 82 in Montrose.	3.24	1961-80	09-28-80	6.59	233
07367740	Camp Bayou near Parkdale, Ar.	Lat 33°06'55", long 91°31'31", in SE¼SW¼ sec.21, T.18 S., R.4 W., Ashley County, at culvert on State Highway 8, 1.3 mi (2.1 km) east of Parkdale.	1.86	1963-80	09-28-80	8.46	212

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 1980

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
St. Francis River basin						
Pemiscot Bayou	St. Francis River	Lat 35°51'30", long 90°02'48", in SW¼ sec.5, T.14 N., R.10 E., Mississippi County, at bridge on State Highway 119, 0.7 mi (1.1 km) north of Dell.	(a)	1974-79	10-17-79	6.51
					01-09-80	17.8
					04-15-80	209
					06-17-80	11.8
White River basin						
Spring River	Black River	Lat 36°20'00", long 91°30'30", in SW¼ SW¼ sec.34, T.20 N., R.5 W., Fulton County, at low-water bridge on county road, 1.8 mi (2.9 km) upstream from South Fork Spring River, and 2.2 mi (3.5 km) northwest of Hardy.	(a)	1975-79	01-11-80	553
					04-24-80	666
					07-31-80	344
South Fork Spring River	Spring River	Lat 36°21'00", long 91°38'00", in NW¼ NW¼ sec.33, T.20 N., R.6 W., Fulton County, at bridge on State Highway 289, 0.2 mi (0.3 km) southeast of Saddle.	(a)	1974-79	10-19-79	24.6
					11-29-79	140
					02-14-80	78.4
					04-24-80	163
					07-31-80	19.0
Bayou DeView	Cache River	Lat 35°47'36", long 90°50'18", in SW¼ SW¼ sec.36, T.14 N., R.2 E., Craighead County, at bridge on State Highway 226, 1.8 mi (2.9 km) northwest of Gibson.	(a)	1974-79	10-17-79	4.84
					02-12-80	9.79
					04-16-80	218
					06-09-80	0.12
Arkansas River basin						
Little Sugar Creek	Big Sugar Creek	Lat 36°30'10", long 94°16'30", in SW¼ NE¼ sec.34, T.21 N., R.21 W., McDonald County, at bridge on U.S. Highway 71 at Caverna, Mo., and 0.1 mi (0.2 km) downstream from Bear Creek.	118	1971-79	11-15-79	43.9
					03-03-80	48.1
					05-27-80	52.2
					09-16-80	7.95
Butler Creek	Elk River	Lat 36°30'44", long 94°28'54", in NW¼ NW¼ sec.35, T.21 N., R.33 W., McDonald County, Mo., at county bridge about 500 ft (152 m) west of State Highway 59, 0.9 mi (1.4 km) north of State line along Highway 59, and 2.0 mi (3.2 km) northwest of Sulphur Springs.	34.9	1971-79	11-15-79	10.2
					03-03-80	15.3
					05-28-80	76.1
					09-16-80	2.17
Sager Creek	Flint Creek	Lat 36°11'50", long 94°35'00", in SE¼ NE¼ sec.24, T.20 N., R.25 E., Delaware County, Okla., at bridge on county road, 0.8 mi (1.3 km) west of State line, and 2.6 mi (4.2 km) northwest of Siloam Springs.	(a)	1971-79	11-15-79	6.50
					03-03-80	8.39
					05-27-80	47.3
					09-16-80	5.38
Bayou Two Prairie	Bayou Meto	Lat 34°51'38", long 91°58'45", in SW¼ NW¼ sec.28, T.3 N., R.9 W., Lonoke County, at bridge on State Highway 89, 8.4 mi (13.5 km) south of Cabot.	84.9	1974-79	10-01-79	15.4
					12-17-79	72.8
					04-01-80	279
					07-29-80	0
					09-17-80	0
Red River basin						
Days Creek[b]	Sulphur River	Lat 33°19'15", long 93°59'53", in NE¼ SE¼ sec.33, T.16 S., R.28 W., Miller County, at bridge on State Highway 237, 7.0 mi (11.3 km) south of Texarkana.	(a)	1973-79	01-07-80	41.0
					04-08-80	30.2
					07-29-80	26.4
Bodcau Creek	Red Chute Bayou	Lat 33°15'36", long 93°33'00", in SE¼ sec.14, T.17 S., R.24 W., Lafayette County, at bridge on State Highway 313, 6.7 mi (10.8 km) southeast of Lewisville.	(a)	1974-79	01-08-80	355
					04-09-80	267
					07-29-80	0
Little Missouri River	Ouachita River	Lat 34°18'41", long 93°53'58", in SW¼ sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi (5.3 km) west of Langley.	66.5	1958-63[c]	11-30-79	44.6
				1974-79	04-15-80	428
					06-10-80	33.5
					08-04-80	11.5

a Not determined
b Operated as a stage station by Corps of Engineers.
c Operated as a low-flow partial-record station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1980--CONTINUED

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Red River basin--continued				
Moro Creek	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, at bridge on State Highway 4, 4.0 mi (6.4 km) west of Banks.	374	1958-63[c] 1974-79	11-14-79 03-10-80 07-10-80	174 159 d0.01
Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW¼ sec.28, T.2 S., R.13 W., Saline County, at crossing on county road, 200 ft (61 m) downstream from Brushy Creek, 1.5 mi (2.4 km) southwest of Sardis.	(a)	1974-79	10-05-79 11-14-79 02-06-80 05-28-80 07-28-80 09-17-80	17.1 7.39 51.7 41.1 2.56 0.04
Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW¼ sec.22, T.7 S., R.8 W., Jefferson County, at bridge on county road, 2.2 mi (3.4 km) south of Ladd.	(a)	1968, 1974-79	10-03-79 11-15-79 02-05-80 05-27-80 07-28-80 09-17-80	5.70 32.1 85.0 1080 0 0
Bayou DeLoutre	Ouachita River	Lat 33°05'55", long 92°35'32", in SE¼ NW¼ sec.6, T.19 S., R.14 W., Union County, at bridge on county road, 8.5 mi (13.7 km) southeast of El-Dorado.	78.4	1959-64[c] 1971-75, 1978-79	10-11-79 01-09-80 04-11-80 07-30-80	11.6 44.3 33.7 61.7
Big Bayou	Boeuf River	Lat 33°23'20", long 91°25'30", in SE¼ sec.17, T.15 S., R.3 W., Chicot County, at bridge on State Highway 144, 2.5 mi (4.0 km) southeast of Jerome.	(a)	1974-75, 1978-79	12-19-79 03-12-80 07-11-80	0 1630 0

a Not determined.
c Operated as a low-flow partial-record station.
d Estimated.

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than monthly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN

360621094004101 - WHITE RIVER NEAR GOSHEN, AR (LAT 36 06 21 LONG 094 04 41)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
04...	1545	1028	1028	6.0	--	--	17.5	--	--	--
04...	1550	1028	1028	6.0	188	7.2	--	5.5	0	7.6
MAY										
06...	1625	1028	1028	6.0	--	--	27.0	--	--	--
06...	1630	1028	1028	6.0	99	7.6	--	22.0	20	12
AUG										
12...	1505	1028	1028	6.0	--	--	35.0	--	--	--
12...	1510	1028	1028	6.0	280	7.1	--	29.0	10	13

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)
DEC						
04...	1550	25	62	2.9	2.3	49
MAY						
06...	1630	11	28	1.5	.9	25
AUG						
12...	1510	30	75	2.7	4.5	57

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC						
04...	1545	--	--	6	--	--
04...	1550	9.4	2.6	--	74	25
MAY						
06...	1625	--	--	9	--	--
06...	1630	7.1	2.4	--	34	9
AUG						
12...	1505	--	--	0	--	--
12...	1510	6.6	2.4	--	86	29

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC					
04...	1550	13	7.3	.38	.860
MAY					
06...	1630	11	3.8	.29	.290
AUG					
12...	1510	22	23	2.2	.000

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
DEC									
04...	1550	.74	1.6	2.0	8.8	.570	.520	210	1
MAY									
06...	1630	.54	.83	1.1	5.0	.210	.210	390	1
AUG									
12...	1510	1.3	1.3	3.5	16	1.200	1.100	310	3

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

36062109004101 WHITE RIVER NEAR GOSHEN, AR-CONTINUED

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)
DEC									
04...	1550	0	5	630	4	230	10	.0	8
MAY									
06...	1630	0	5	870	2	100	30	.0	5
AUG									
12...	1510	10	7	800	19	170	30	.0	7

361603093563500 BEAVER LAKE AT WAR EAGLE, AR
(LAT 36 16 03 LONG 093 56 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
04...	1640	1028	1028	.0	1.0	--	--	--	--	--
04...	1645	1028	1028	.5	1.0	206	8.1	4.0	10	4.1
MAY										
06...	1725	1028	1028	.0	2.0	--	--	--	--	--
06...	1730	1028	1028	1.0	2.0	157	7.5	19.5	5	13
AUG										
12...	1545	1028	1028	.0	1.0	--	--	--	--	--
12...	1550	1028	1028	.5	1.0	256	8.0	29.0	0	2.0

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC										
04...	>12.0	--	--	4	--	--	--	--	--	--
04...	--	12.7	1.1	--	99	15	36	90	2.2	84
MAY										
06...	>24.0	--	--	33	--	--	--	--	--	--
06...	--	8.8	2.2	--	66	8	24	60	1.5	58
AUG										
12...	>12.0	--	--	170	--	--	--	--	--	--
12...	--	8.0	.3	--	130	16	47	118	2.2	110

361531094040901 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR
(LAT 36 15 31 LONG 094 04 09)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
05...	1110	1028	1028	.0	80	--	--	--	--	--
05...	1115	1028	1028	16.0	80	135	8.2	9.5	5	5.1
05...	1120	1028	1028	64.0	80	136	7.7	9.0	10	6.4
MAY										
07...	1225	1028	1028	.0	60	--	--	--	--	--
07...	1230	1028	1028	12.0	60	132	8.5	16.0	5	2.4
07...	1235	1028	1028	48.0	60	152	7.3	10.5	5	6.1
AUG										
13...	1045	1028	1028	.0	75	--	--	--	--	--
13...	1050	1028	1028	15.0	75	153	8.2	28.0	0	2.5
13...	1055	1028	1028	60.0	75	170	7.2	10.5	5	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

361531094040901 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
05...	44.0	--	--	0	--	--	--	--	--	--
05...	--	9.1	1.1	--	68	10	24	60	1.9	1.4
05...	--	9.4	1.3	--	65	3	23	58	1.8	1.4
MAY										
07...	59.0	--	--	0	--	--	--	--	--	--
07...	--	10.3	2.8	--	54	14	19	48	1.7	.9
07...	--	6.3	1.8	--	64	15	23	58	1.7	1.0
AUG										
13...	104	--	--	0	--	--	--	--	--	--
13...	--	8.0	.4	--	73	20	26	65	1.9	1.5
13...	--	.2	.9	--	76	14	27	68	2.1	1.7

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	58	4.0	3.3	.24	.000	.42	.42	.66	2.9	.010
05...	62	4.1	3.3	.20	.060	.50	.56	.76	3.4	.010
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	40	7.4	3.8	.47	.080	.44	.52	.99	4.4	.060
07...	49	11	4.7	.54	.040	.49	.53	1.1	4.7	.020
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	53	7.9	4.1	.00	.010	.81	.82	.82	3.6	.040
13...	62	7.5	4.5	.20	.280	.49	.77	.97	4.3	.050

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.010	110	1	0	2	270	90	.0	2	0
05...	.000	200	1	0	3	430	140	.0	0	20
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	.060	100	0	10	5	130	20	.0	3	20
07...	.010	160	1	0	4	300	50	.0	7	40
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	460	1	10	8	130	20	.0	6	30
13...	.000	310	1	10	11	1000	2800	.1	20	70

361656094043000 BEAVER LAKE AT MONTE NE, AR
(LAT 36 16 56 LONG 094 04 30)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
05...	1140	1028	1028	.0	6.0	--	--	--	--	--
05...	1145	1028	1028	3.0	6.0	176	7.6	8.5	5	3.1
MAY										
07...	1305	1028	1028	.0	5.0	--	--	--	--	--
07...	1310	1028	1028	2.5	5.0	190	8.0	18.0	5	4.6
AUG										
13...	1105	1028	1028	.0	6.0	--	--	--	--	--
13...	1110	1028	1028	3.0	6.0	154	8.3	28.5	0	1.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

361656094043000 BEAVER LAKE AT MONTE NE, AR--CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
05...	25.0	--	1	--	--	--	--	--	--
05...	--	10.0	--	83	11	30	75	1.9	72
MAY									
07...	29.0	--	4	--	--	--	--	--	--
07...	--	9.8	--	79	12	29	72	1.6	67
AUG									
13...	36.0	--	1	--	--	--	--	--	--
13...	--	9.0	--	75	18	27	68	1.9	57

362210094033800 BEAVER LAKE NEAR AVOCA, AR (LAT 36 22 10 LONG 094 03 38)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
05...	1220	1028	1028	.0	6.0	--	--	--	--	--
05...	1225	1028	1028	3.0	6.0	134	7.7	9.5	0	3.6
MAY										
07...	1125	1028	1028	.0	6.0	--	--	--	--	--
07...	1130	1028	1028	3.0	6.0	161	8.1	17.0	5	2.6
AUG										
13...	0905	1028	1028	.0	2.0	--	--	--	--	--
13...	0910	1028	1028	1.0	2.0	151	8.0	28.0	0	16

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
05...	49.0	--	--	1	--	--	--	--	--	--
05...	--	10.6	1.4	--	62	5	22	55	1.8	1.2
MAY										
07...	68.0	--	--	0	--	--	--	--	--	--
07...	--	11.0	2.2	--	69	9	25	62	1.6	.9
AUG										
13...	>24.0	--	--	0	--	--	--	--	--	--
13...	--	6.8	.9	--	75	18	27	68	1.9	1.5

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	57	4.6	3.1	.13	.000	.47	.47	.60	2.7	.010
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	60	11	3.7	.19	.060	.36	.42	.61	2.7	.020
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	57	6.9	4.2	.00	.020	.84	.86	.86	3.8	.040

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362210094033800 BEAVER LAKE NEAR AVOCA, AR--CONTINUED

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.010	90	0	0	0	150	130	.0	0	10
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	.010	100	1	0	3	170	50	.0	2	10
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	600	1	10	13	690	80	.0	4	40

361957094010800 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
05...	1020	1028	1028	.0	105	--	--	--	--	--
05...	1025	1028	1028	21.0	105	130	8.0	10.0	0	3.3
05...	1030	1028	1028	84.0	105	150	7.1	9.5	10	9.8
MAY										
07...	1335	1028	1028	.0	110	--	--	--	--	--
07...	1340	1028	1028	22.0	110	146	7.7	13.0	0	1.7
07...	1345	1028	1028	88.0	110	138	7.3	8.0	5	2.1
AUG										
13...	1145	1028	1028	.0	100	--	--	--	--	--
13...	1150	1028	1028	20.0	100	158	8.2	27.5	0	1.5
13...	1155	1028	1028	80.0	100	160	7.2	8.5	0	1.9

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
05...	36.0	--	--	0	--	--	--	--	--	--
05...	--	8.3	1.4	--	71	18	25	62	2.1	1.4
05...	--	.2	2.1	--	66	5	23	58	2.0	1.5
MAY										
07...	120	--	--	0	--	--	--	--	--	--
07...	--	8.5	2.4	--	64	11	23	58	1.7	1.0
07...	--	6.7	1.6	--	62	12	22	55	1.6	1.0
AUG										
13...	120	--	--	0	--	--	--	--	--	--
13...	--	8.4	.2	--	73	20	26	65	2.0	1.5
13...	--	.5	.0	--	75	19	27	68	1.9	1.5

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	53	4.2	3.1	.13	.000	.49	.49	.62	2.7	.010
05...	61	6.8	3.1	.05	.240	.56	.80	.85	3.8	.050
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	53	5.3	3.7	.25	.080	.41	.49	.74	3.3	.010
07...	50	4.5	2.9	.29	.040	.69	.73	1.0	4.5	.010
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	53	7.8	9.1	.00	.000	.55	.55	.55	2.4	.050
13...	56	6.0	3.9	.48	.000	.44	.44	.92	4.1	.040

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

361957094010800 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR--CONTINUED

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
05...	--	--	--	--	--	--	--	--	--	--
05...	.000	110	1	10	1	210	410	.0	0	0
05...	.040	400	1	10	3	820	4000	.0	5	10
MAY										
07...	--	--	--	--	--	--	--	--	--	--
07...	.010	80	0	0	2	70	10	.0	4	10
07...	.010	100	1	0	2	120	80	.0	2	10
AUG										
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	260	1	0	4	70	10	.0	2	20
13...	.000	150	0	0	13	90	1000	.0	4	40

362048094045700 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR
(LAT 36 20 48 LONG 094 04 57)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
05...	1205	1028	1028	.0	4.0	--	--	--	--	--
05...	1210	1028	1028	2.0	4.0	138	6.2	8.0	5	6.2
MAY										
07...	1055	1028	1028	.0	6.0	--	--	--	--	--
07...	1100	1028	1028	3.0	6.0	160	7.7	17.0	5	2.4
AUG										
13...	0935	1028	1028	.0	4.0	--	--	--	--	--
13...	0940	1028	1028	2.0	4.0	126	8.3	28.0	5	3.0

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC										
05...	23.0	--	--	1	--	--	--	--	--	--
05...	--	10.9	1.4	--	65	6	23	58	1.9	59
MAY										
07...	72.0	--	--	0	--	--	--	--	--	--
07...	--	11.0	2.4	--	69	7	25	62	1.6	62
AUG										
13...	34.0	--	--	0	--	--	--	--	--	--
13...	--	7.9	1.3	--	75	18	27	68	1.9	57

363122093432601 TABLE ROCK LAKE NEAR EAGLE ROCK, MO
(LAT 36 31 22 LONG 093 43 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
06...	1145	1028	1028	.0	55	--	--	--	--	--
06...	1150	1028	1028	11.0	55	207	8.0	10.0	0	1.0
06...	1155	1028	1028	44.0	55	220	7.9	9.5	0	1.0
MAY										
08...	1600	1028	1028	.0	58	--	--	--	--	--
08...	1605	1028	1028	11.5	58	215	8.4	17.5	0	1.4
08...	1610	1028	1028	46.5	58	207	7.6	10.0	0	1.2
AUG										
28...	1035	1028	1028	.0	43	--	--	--	--	--
28...	1040	1028	1028	9.0	43	202	7.8	28.0	0	2.0
28...	1045	1028	1028	34.0	43	161	7.5	16.0	0	3.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

363122093432601 TABLE ROCK LAKE NEAR EAGLE ROCK, AR--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
06...	68.0	--	3	--	--	--	--	--	--
06...	--	8.1	--	100	11	30	75	6.9	92
06...	--	8.1	--	110	12	33	82	6.7	98
MAY									
08...	56.0	--	0	--	--	--	--	--	--
08...	--	10.4	--	85	0	26	65	4.9	96
08...	--	5.6	--	97	8	30	75	5.4	89
AUG									
28...	53.0	--	1	--	--	--	--	--	--
28...	--	7.8	--	100	5	29	72	7.5	98
28...	--	8.0	--	68	67	21	52	3.7	1

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO
(LAT 36 30 08 LONG 093 36 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
06...	1210	1028	1028	.0	12	--	--	--	--	--
06...	1215	1028	1028	2.5	12	267	8.3	6.0	5	.60
06...	1220	1028	1028	9.5	12	250	8.2	6.0	0	1.1
MAY										
08...	1510	1028	1028	.0	15	--	--	--	--	--
08...	1515	1028	1028	3.0	15	221	7.8	19.5	0	2.4
08...	1520	1028	1028	12.0	15	221	8.2	19.5	5	2.4
AUG										
28...	1105	1028	1028	.0	6.0	--	--	--	--	--
28...	1110	1028	1028	3.0	6.0	424	7.6	27.5	20	20

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
06...	78.0	--	1	--	--	--	--	--	--
06...	--	10.2	--	130	11	38	95	8.8	120
06...	--	10.0	--	130	12	38	95	9.0	120
MAY									
08...	35.0	--	26	--	--	--	--	--	--
08...	--	8.6	--	110	10	33	82	6.7	100
08...	--	8.6	--	160	57	52	130	6.6	100
AUG									
28...	42.0	--	K14	--	--	--	--	--	--
28...	--	4.6	--	220	6	52	130	21	210

07050530 TABLE ROCK LAKE NEAR LAMPE, MO
(LAT 36 34 20 LONG 093 31 25)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
06...	1610	1028	1028	.0	130	--	--	--	--	--
06...	1615	1028	1028	26.0	130	202	7.6	11.0	0	1.2
06...	1620	1028	1028	104	130	195	7.7	10.5	0	1.8
MAY										
08...	1315	1028	1028	.0	135	--	--	--	--	--
08...	1320	1028	1028	27.0	135	210	8.3	13.0	0	.50
08...	1325	1028	1028	108	135	221	7.6	7.0	0	.80
AUG										
28...	1325	1028	1028	.0	70	--	--	--	--	--
28...	1330	1028	1028	14.0	70	208	7.8	28.0	0	.90
28...	1335	1028	1028	56.0	70	164	7.6	14.5	0	1.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO--CONTINUED

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
06...	--	--	--	--	--	--	--	--	--	--
06...	87	2.0	4.6	.13	.020	.52	.54	.67	3.0	.010
06...	90	3.1	4.7	.11	.040	.41	.45	.56	2.5	.010
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	90	6.1	3.7	.21	.030	1.6	1.6	1.8	8.0	.010
08...	91	6.8	4.1	.32	.040	.46	.50	.82	3.6	.010
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	100	7.0	5.9	.00	.030	.33	.36	.36	1.6	.000
28...	1	10	2.9	.29	.020	.27	.29	.58	2.6	.000

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
06...	--	--	--	--	--	--	--	--	--	--
06...	.010	130	1	0	3	60	50	.1	5	40
06...	.020	90	1	0	0	150	70	.1	4	40
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	.050	10	0	0	6	80	10	.0	10	20
08...	.010	80	1	0	3	140	60	.0	6	20
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	.000	60	1	10	5	80	10	.0	4	30
28...	.000	50	1	0	19	100	30	.0	0	100

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO
(LAT 36 43 24 LOG 093 29 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
06...	1015	1028	1028	.0	30	--	--	--	--	--
06...	1020	1028	1028	6.0	30	322	8.0	6.0	0	3.2
06...	1025	1028	1028	24.0	30	322	8.0	6.0	5	3.2
MAY										
08...	1730	1028	1028	.0	45	--	--	--	--	--
08...	1735	1028	1028	9.0	45	322	8.3	17.0	5	3.5
08...	1740	1028	1028	36.0	45	331	7.6	13.0	0	28
AUG										
28...	0845	1028	1028	.0	35	--	--	--	--	--
28...	0850	1028	1028	7.0	35	262	8.3	29.0	0	3.6
28...	0855	1028	1028	28.0	35	368	8.0	28.0	5	18

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
06...	76.0	--	--	5	--	--	--	--	--	--
06...	--	11.2	2.2	--	170	30	57	142	6.7	1.9
06...	--	11.4	1.6	--	170	31	57	142	7.0	1.8
MAY										
08...	22.0	--	--	0	--	--	--	--	--	--
08...	--	12.6	2.4	--	150	11	51	128	5.8	1.3
08...	--	3.3	1.5	--	150	23	52	130	5.6	2.5
AUG										
28...	49.0	--	--	K6	--	--	--	--	--	--
28...	--	8.6	2.3	--	110	9	32	80	6.6	2.1
28...	--	3.0	2.3	--	150	78	48	120	7.1	2.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO--CONTINUED

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
06...	--	--	--	--	--	--	--	--	--	--
06...	140	4.9	8.5	1.2	.070	.50	.57	1.8	7.8	.120
06...	140	12	8.7	1.3	.060	.62	.68	2.0	8.8	.130
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	140	6.6	7.3	.79	.010	.55	.56	1.4	6.0	.100
08...	130	6.8	8.2	1.5	.160	1.4	1.6	3.1	14	.210
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	98	14	14	.00	.130	.65	.78	.78	3.5	.080
28...	71	20	21	.09	.370	.93	1.3	1.4	6.2	.220

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
06...	--	--	--	--	--	--	--	--	--	--
06...	.090	150	1	0	0	160	40	.1	7	20
06...	.090	160	1	0	2	160	40	.0	5	20
MAY										
08...	--	--	--	--	--	--	--	--	--	--
08...	.060	170	1	0	3	180	20	.0	5	10
08...	.130	750	1	0	4	1100	240	.0	8	30
AUG										
28...	--	--	--	--	--	--	--	--	--	--
28...	.030	90	1	20	10	130	20	.0	8	100
28...	.120	340	2	10	6	860	290	.1	4	30

07052920 TABLE ROCK LAKE (JAMES RIVER) NEAR KIMBERLING CITY, MO
(LAT 36 38 23 LONG 093 29 27)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
06...	1545	1028	1028	.0	135	--	--	--	--	--
06...	1550	1028	1028	27.0	135	221	7.8	11.0	0	.60
06...	1555	1028	1028	108	135	156	7.9	10.5	0	.70
MAY										
08...	1400	1028	1028	.0	100	--	--	--	--	--
08...	1405	1028	1028	20.0	100	248	8.2	12.0	0	.60
08...	1410	1028	1028	80.0	100	293	7.8	7.5	0	.70
AUG										
28...	1235	1028	1028	.0	120	--	--	--	--	--
28...	1240	1028	1028	24.0	120	200	8.5	27.5	0	1.0
28...	1245	1028	1028	96.0	120	295	7.5	10.5	0	1.8

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
06...	103	--	0	--	--	--	--	--	--
06...	--	8.0	--	120	15	37	92	5.6	100
06...	--	8.2	--	110	15	37	92	5.4	100
MAY									
08...	77.0	--	0	--	--	--	--	--	--
08...	--	10.0	--	120	17	38	95	5.4	100
08...	--	7.3	--	130	10	43	108	5.5	120
AUG									
28...	89.0	--	0	--	--	--	--	--	--
28...	--	7.8	--	99	0	29	72	6.5	99
28...	--	.1	--	150	5	48	120	6.1	140

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK) 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)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
07...	0845	1028	1028	.0	100	--	--	--	--	--
07...	0850	1028	1028	20.0	100	235	8.0	11.0	0	.80
07...	0855	1028	1028	80.0	100	250	8.0	10.0	0	1.8
MAY										
08...	1030	1028	1028	.0	105	--	--	--	--	--
08...	1035	1028	1028	21.0	105	225	8.3	15.5	0	.70
08...	1040	1028	1028	84.0	105	231	7.8	8.5	0	1.4
AUG										
28...	1715	1028	1028	.0	95	--	--	--	--	--
28...	1720	1028	1028	19.0	95	196	8.4	27.0	0	.70
28...	1725	1028	1028	76.0	95	253	7.4	13.0	0	2.6

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
07...	113	--	0	--	--	--	--	--	--
07...	--	9.8	--	110	13	36	90	5.7	100
07...	--	8.9	--	120	8	38	95	5.5	110
MAY									
08...	354	--	0	--	--	--	--	--	--
08...	--	10.4	--	110	9	34	85	4.9	96
08...	--	7.6	--	110	11	36	90	4.8	99
AUG									
28...	96.0	--	0	--	--	--	--	--	--
28...	--	7.6	--	110	15	34	85	5.0	91
28...	--	.2	--	110	0	34	85	5.1	120

07053830 BULL SHOALS LAKE AT FORSYTH, MO (LAT 36 40 17 LONG 093 07 10)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
11...	1325	1028	1028	.0	10	--	--	--	--	--
11...	1330	1028	1028	5.0	10	230	7.9	11.0	0	3.2
MAY										
09...	0925	1028	1028	.0	12	--	--	--	--	--
09...	0930	1028	1028	6.0	12	219	8.2	12.0	0	1.0
SEP										
03...	1705	1028	1028	.0	8.0	--	--	--	--	--
03...	1710	1028	1028	4.0	8.0	243	7.6	16.0	0	1.6

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
11...	54.0	--	--	7	--	--	--	--	--	--
11...	--	8.8	1.0	--	95	0	27	68	6.7	.9
MAY										
09...	37.0	--	--	6	--	--	--	--	--	--
09...	--	8.6	.7	--	120	15	36	90	6.1	1.3
SEP										
03...	42.0	--	--	K37	--	--	--	--	--	--
03...	--	7.8	2.0	--	120	8	37	92	6.2	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO--CONTINUED

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	99	8.9	4.4	.25	.080	.49	.57	.82	3.6	.010
MAY										
09...	--	--	--	--	--	--	--	--	--	--
09...	100	5.2	4.8	.24	.030	.26	.29	.53	2.3	.010
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	110	6.0	5.9	.40	.040	.24	.28	.68	3.0	.060

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	.010	110	1	16	2	120	130	.0	1	30
MAY										
09...	--	--	--	--	--	--	--	--	--	--
09...	.010	40	1	0	6	120	50	.0	8	10
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	.000	110	0	0	9	150	60	.0	5	70

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE
(LAT 36 30 05 LONG 093 03 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
11...	1505	1028	1028	.0	25	--	--	--	--	--
11...	1510	1028	1028	5.0	25	278	8.3	12.0	0	1.9
11...	1515	1028	1028	20.0	25	282	8.3	12.0	5	2.4
MAY										
09...	1025	1028	1028	.0	16	--	--	--	--	--
09...	1030	1028	1028	3.0	16	290	8.4	15.5	5	1.8
09...	1035	1028	1028	13.0	16	273	8.2	15.0	0	2.9
SEP										
03...	1915	1028	1028	.0	10	--	--	--	--	--
03...	1920	1028	1028	5.0	10	280	8.3	27.0	0	.90

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
11...	84.0	--	0	--	--	--	--	--	--
11...	--	12.0	--	130	0	34	85	11	130
11...	--	12.0	--	130	0	33	82	11	130
MAY									
09...	74.0	--	0	--	--	--	--	--	--
09...	--	10.3	--	150	2	41	102	12	150
09...	--	8.3	--	150	5	40	100	11	140
SEP									
03...	48.0	--	0	--	--	--	--	--	--
03...	--	6.8	--	110	15	27	68	11	98

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362925092471500 BULL SHOALS LAKE NEAR BUCK CREEK, AR
(LAT 36 29 25 LONG 092 47 15)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
11...	1135	1028	1028	.0	150	--	--	--	--	--
11...	1140	1028	1028	30.0	150	292	8.0	7.0	0	1.0
11...	1145	1028	1028	120	150	278	8.0	7.0	0	1.2
MAY										
13...	1430	1028	1028	.0	130	--	--	--	--	--
13...	1435	1028	1028	26.0	130	277	8.3	15.5	0	.80
13...	1440	1028	1028	104	130	268	8.0	8.5	0	.80
SEP										
03...	1705	1028	1028	.0	120	--	--	--	--	--
03...	1715	1028	1028	24.0	120	255	8.4	26.5	0	.50
03...	1720	1028	1028	96.0	120	280	7.8	11.0	0	.70

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
11...	114	--	--	0	--	--	--	--	--	--
11...	--	9.0	.5	--	120	0	30	75	11	.8
11...	--	9.0	.2	--	94	0	22	55	9.5	1.2
MAY										
13...	--	--	--	0	--	--	--	--	--	--
13...	--	10.1	1.2	--	140	20	38	95	11	.9
13...	--	8.3	1.0	--	130	21	37	92	9.3	1.0
SEP										
03...	72.0	--	--	0	--	--	--	--	--	--
03...	--	8.5	2.4	--	120	17	28	70	11	1.4
03...	--	1.7	2.4	--	140	7	39	98	9.7	1.4

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	130	8.1	3.7	.20	.030	.34	.37	.57	2.5	.010
11...	140	9.4	3.5	.15	.030	.40	.43	.58	2.6	.000
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	120	6.4	3.9	.16	.040	1.1	1.1	1.3	5.6	.010
13...	110	6.0	3.9	.24	.000	.27	.27	.51	2.3	.020
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	98	5.5	4.6	.00	.000	.76	.76	.76	3.4	.020
03...	130	6.0	5.0	.29	.000	.63	.63	.92	4.1	.050

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	.000	50	1	20	3	20	20	.0	2	30
11...	.000	60	1	12	5	30	10	.0	5	40
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	10	0	0	4	60	10	.0	5	10
13...	.000	10	0	0	5	70	20	.0	5	10
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	.000	40	0	0	4	50	10	.0	3	30
03...	.000	80	0	10	2	90	20	.0	4	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420001 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PEN)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)
DEC , 1979							
11...	1110	1028	1028	.0	40	200	8.0
11...	1115	1028	1028	8.0	40	200	8.0
11...	1117	1028	1028	10.0	--	200	8.1
11...	1119	1028	1028	20.0	--	200	8.2
11...	1123	1028	1028	30.0	--	180	8.2
11...	1125	1028	1028	32.0	40	180	8.3
11...	1128	1028	1028	40.0	--	180	8.3
MAY , 1980							
13...	1545	1028	1028	.0	69	260	7.9
13...	1548	1028	1028	10.0	--	260	8.1
13...	1550	1028	1028	14.0	69	260	8.1
13...	1552	1028	1028	20.0	--	260	8.1
13...	1554	1028	1028	25.0	--	260	8.2
13...	1556	1028	1028	30.0	--	260	7.9
13...	1558	1028	1028	40.0	--	260	7.5
13...	1559	1028	1028	50.0	--	255	7.2
13...	1600	1028	1028	55.0	69	267	7.8
13...	1603	1028	1028	60.0	--	260	7.0
13...	1605	1028	1028	69.0	--	260	6.8
SEP							
03...	1130	1028	1028	.0	63	250	8.3
03...	1133	1028	1028	10.0	--	255	8.3
03...	1135	1028	1028	13.0	63	260	8.3
03...	1136	1028	1028	20.0	--	260	8.3
03...	1138	1028	1028	25.0	--	260	8.2
03...	1140	1028	1028	30.0	--	260	8.1
03...	1141	1028	1028	31.0	--	260	8.1
03...	1142	1028	1028	33.0	--	260	7.8
03...	1143	1028	1028	35.0	--	260	7.6
03...	1144	1028	1028	36.0	--	270	7.5
03...	1146	1028	1028	38.0	--	280	7.3
03...	1148	1028	1028	40.0	--	280	7.3
03...	1149	1028	1028	45.0	--	280	7.3
03...	1150	1028	1028	50.0	63	285	7.2
03...	1153	1028	1028	60.0	--	290	7.1
03...	1155	1028	1028	63.0	--	300	7.0

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC , 1979						
11...	183	4.6	7.5	--	--	0
11...	--	--	7.6	15	.7	--
11...	--	--	7.6	--	--	--
11...	--	--	7.7	--	--	--
11...	--	--	7.7	--	--	--
11...	--	--	7.6	14	1.4	--
11...	--	--	7.6	--	--	--
MAY , 1980						
13...	179	4.5	10.1	--	--	0
13...	--	--	10.1	--	--	--
13...	--	--	10.2	8	1.2	--
13...	--	--	10.3	--	--	--
13...	--	--	10.5	--	--	--
13...	--	--	10.3	--	--	--
13...	--	--	9.2	--	--	--
13...	--	--	8.5	--	--	--
13...	--	--	7.2	8	1.0	--
13...	--	--	5.3	--	--	--
13...	--	--	4.0	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420001 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PEN)--CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
SEP						
03...	126	3.2	8.0	--	--	K3600
03...	--	--	7.9	--	--	--
03...	--	--	7.8	210	1.9	--
03...	--	--	7.6	--	--	--
03...	--	--	7.4	--	--	--
03...	--	--	7.9	--	--	--
03...	--	--	9.1	--	--	--
03...	--	--	7.6	--	--	--
03...	--	--	5.9	--	--	--
03...	--	--	4.2	--	--	--
03...	--	--	1.3	--	--	--
03...	--	--	.1	--	--	--
03...	--	--	.1	--	--	--
03...	--	--	.1	130	2.0	--
03...	--	--	.1	--	--	--
03...	--	--	.1	--	--	--

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (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)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
11...	1050	1028	1028	.0	100	180	8.1	7.5	--	--
11...	1052	1028	1028	10.0	--	180	8.1	7.5	--	--
11...	1054	1028	1028	20.0	100	266	8.2	7.5	0	1.2
11...	1055	1028	1028	30.0	--	180	8.1	7.5	--	--
11...	1056	1028	1028	40.0	--	180	8.1	7.5	--	--
11...	1057	1028	1028	50.0	--	180	8.1	7.5	--	--
11...	1058	1028	1028	60.0	--	180	8.1	7.5	--	--
11...	1059	1028	1028	70.0	--	180	8.1	7.5	--	--
11...	1100	1028	1028	80.0	100	266	8.0	7.5	0	1.0
11...	1103	1028	1028	90.0	--	180	8.1	7.5	--	--
11...	1105	1028	1028	100	--	180	8.1	7.5	--	--
MAY										
13...	1610	1028	1028	.0	76	260	8.1	20.0	--	--
13...	1613	1028	1028	10.0	--	260	8.1	19.5	--	--
13...	1615	1028	1028	15.0	76	271	8.2	19.5	0	.60
13...	1616	1028	1028	20.0	--	260	8.1	19.5	--	--
13...	1618	1028	1028	25.0	--	260	8.1	18.5	--	--
13...	1619	1028	1028	30.0	--	255	7.7	13.5	--	--
13...	1620	1028	1028	40.0	--	255	7.3	11.5	--	--
13...	1622	1028	1028	50.0	--	255	7.2	10.5	--	--
13...	1624	1028	1028	60.0	--	255	6.8	10.0	--	--
13...	1625	1028	1028	61.0	76	272	7.9	10.0	0	1.1
13...	1628	1028	1028	70.0	--	255	6.6	9.5	--	--
13...	1630	1028	1028	76.0	--	255	6.5	9.0	--	--
SEP										
03...	1225	1028	1028	.0	70	250	8.3	27.0	--	--
03...	1230	1028	1028	10.0	--	250	8.4	26.5	--	--
03...	1235	1028	1028	14.0	70	250	8.1	26.5	0	1.0
03...	1236	1028	1028	20.0	--	250	8.3	26.5	--	--
03...	1238	1028	1028	27.0	--	255	8.3	25.5	--	--
03...	1240	1028	1028	30.0	--	260	8.2	24.5	--	--
03...	1241	1028	1028	31.0	--	260	8.2	23.5	--	--
03...	1242	1028	1028	33.0	--	260	8.1	22.5	--	--
03...	1243	1028	1028	34.0	--	260	8.1	22.5	--	--
03...	1244	1028	1028	35.0	--	260	7.7	21.0	--	--
03...	1246	1028	1028	38.0	--	280	7.3	19.0	--	--
03...	1247	1028	1028	39.0	--	280	7.3	18.0	--	--
03...	1248	1028	1028	42.0	--	280	7.3	17.0	--	--
03...	1249	1028	1028	45.0	--	280	7.3	16.0	--	--
03...	1250	1028	1028	56.0	70	285	7.6	15.0	0	1.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
11...	138	7.8	--	1	--	--	--	--	--	--
11...	--	7.8	--	--	--	--	--	--	--	--
11...	--	7.8	.8	--	110	0	28	70	10	1.3
11...	--	7.6	--	--	--	--	--	--	--	--
11...	--	7.5	--	--	--	--	--	--	--	--
11...	--	7.5	--	--	--	--	--	--	--	--
11...	--	7.6	--	--	--	--	--	--	--	--
11...	--	7.6	--	--	--	--	--	--	--	--
11...	--	7.6	.8	--	120	1	32	80	10	1.3
11...	--	7.5	--	--	--	--	--	--	--	--
11...	--	7.0	--	--	--	--	--	--	--	--
MAY										
13...	179	10.2	--	0	--	--	--	--	--	--
13...	--	10.2	--	--	--	--	--	--	--	--
13...	--	10.2	1.2	--	130	6	34	85	10	.9
13...	--	10.3	--	--	--	--	--	--	--	--
13...	--	10.4	--	--	--	--	--	--	--	--
13...	--	9.9	--	--	--	--	--	--	--	--
13...	--	9.2	--	--	--	--	--	--	--	--
13...	--	8.8	--	--	--	--	--	--	--	--
13...	--	6.7	--	--	--	--	--	--	--	--
13...	--	6.3	.9	--	140	16	38	95	10	1.0
13...	--	5.6	--	--	--	--	--	--	--	--
13...	--	5.4	--	--	--	--	--	--	--	--
SEP										
03...	132	7.9	--	990	--	--	--	--	--	--
03...	--	8.2	--	--	--	--	--	--	--	--
03...	--	8.1	1.9	--	120	14	30	75	12	1.4
03...	--	8.0	--	--	--	--	--	--	--	--
03...	--	8.5	--	--	--	--	--	--	--	--
03...	--	9.1	--	--	--	--	--	--	--	--
03...	--	9.9	--	--	--	--	--	--	--	--
03...	--	9.4	--	--	--	--	--	--	--	--
03...	--	9.4	--	--	--	--	--	--	--	--
03...	--	6.5	--	--	--	--	--	--	--	--
03...	--	.6	--	--	--	--	--	--	--	--
03...	--	.2	--	--	--	--	--	--	--	--
03...	--	.6	--	--	--	--	--	--	--	--
03...	--	.1	--	--	--	--	--	--	--	--
03...	--	.1	5.5	--	130	4	39	98	9.0	1.4

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	120	8.5	3.7	.25	.030	.42	.45	.70	3.1	.010
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	120	6.1	3.7	.26	.050	.43	.48	.74	3.3	.010
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	120	7.1	3.7	.12	.000	.30	.30	.42	1.9	.010
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	120	6.7	3.5	.21	.170	.41	.58	.79	3.5	.030
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	110	5.0	4.4	.00	.000	.73	.73	.73	3.2	.020
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	130	4.6	5.1	.00	.070	.36	.43	.43	1.9	.130

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	.000	60	1	16	3	40	20	.0	2	20
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
11...	.010	90	1	16	3	30	20	.0	2	20
11...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
MAY										
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.010	30	1	10	4	60	10	.0	5	10
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
13...	.000	30	1	0	2	90	10	.0	3	20
13...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
SEP										
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	.000	50	0	0	3	50	10	.0	7	10
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--
03...	.020	60	1	10	2	190	250	.1	3	20

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP								
03...	1253	1028	1028	60.0	290	7.2	14.0	.1
03...	1255	1028	1028	70.0	305	7.1	13.5	.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420002 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)
DEC , 1979							
11...	1020	1028	1028	.0	100	160	8.0
11...	1022	1028	1028	10.0	--	180	8.0
11...	1024	1028	1028	20.0	100	180	8.0
11...	1025	1028	1028	30.0	--	180	8.0
11...	1026	1028	1028	40.0	--	180	8.0
11...	1027	1028	1028	50.0	--	180	8.0
11...	1028	1028	1028	60.0	--	180	8.0
11...	1029	1028	1028	70.0	--	180	7.9
11...	1030	1028	1028	80.0	100	180	7.9
11...	1033	1028	1028	90.0	--	180	7.9
11...	1035	1028	1028	100	--	180	7.9
MAY , 1980							
13...	1645	1028	1028	.0	125	260	8.2
13...	1646	1028	1028	10.0	--	260	8.2
13...	1648	1028	1028	20.0	--	260	8.2
13...	1650	1028	1028	25.0	125	260	8.2
13...	1652	1028	1028	30.0	--	260	7.9
13...	1653	1028	1028	40.0	--	250	7.7
13...	1654	1028	1028	50.0	--	250	7.6
13...	1655	1028	1028	60.0	--	250	7.3
13...	1656	1028	1028	70.0	--	250	7.3
13...	1658	1028	1028	80.0	--	250	7.3
13...	1659	1028	1028	90.0	--	250	7.3
13...	1700	1028	1028	100	125	267	8.0
13...	1702	1028	1028	110	--	250	7.1
13...	1704	1028	1028	120	--	250	7.1
13...	1705	1028	1028	125	--	250	7.0
SEP							
03...	1330	1028	1028	.0	80	260	8.3
03...	1333	1028	1028	10.0	--	260	8.3
03...	1335	1028	1028	16.0	80	260	8.3
03...	1336	1028	1028	20.0	--	260	8.3
03...	1337	1028	1028	25.0	--	260	8.3
03...	1338	1028	1028	28.0	--	260	8.3
03...	1339	1028	1028	30.0	--	260	8.2
03...	1340	1028	1028	32.0	--	260	8.2
03...	1341	1028	1028	33.0	--	260	8.1

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC , 1979						
11...	138	3.5	8.1	--	--	2
11...	--	--	7.8	--	--	--
11...	--	--	7.8	17	.7	--
11...	--	--	7.8	--	--	--
11...	--	--	7.5	--	--	--
11...	--	--	7.5	--	--	--
11...	--	--	7.5	--	--	--
11...	--	--	6.7	--	--	--
11...	--	--	7.2	11	.6	--
11...	--	--	7.2	--	--	--
11...	--	--	6.2	--	--	--
MAY , 1980						
13...	179	4.5	10.2	--	--	0
13...	--	--	10.2	--	--	--
13...	--	--	10.4	--	--	--
13...	--	--	10.6	8	1.3	--
13...	--	--	10.7	--	--	--
13...	--	--	10.3	--	--	--
13...	--	--	10.0	--	--	--
13...	--	--	9.3	--	--	--
13...	--	--	9.3	--	--	--
13...	--	--	9.3	--	--	--
13...	--	--	8.4	--	--	--
13...	--	--	8.0	8	.8	--
13...	--	--	7.8	--	--	--
13...	--	--	7.7	--	--	--
13...	--	--	7.5	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362530092420002 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY (MOUTH)--CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
SEP						
03...	144	3.6	8.4	--	--	65
03...	--	--	8.5	--	--	--
03...	--	--	8.4	92	1.1	--
03...	--	--	8.4	--	--	--
03...	--	--	8.3	--	--	--
03...	--	--	9.2	--	--	--
03...	--	--	10.4	--	--	--
03...	--	--	10.3	--	--	--
03...	--	--	10.3	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)
SEP , 1980							
03...	1342	1028	1028	34.0	--	265	8.0
03...	1343	1028	1028	35.0	--	265	7.9
03...	1344	1028	1028	36.0	--	270	7.5
03...	1346	1028	1028	40.0	--	270	7.5
03...	1347	1028	1028	45.0	--	270	7.4
03...	1348	1028	1028	50.0	--	275	7.4
03...	1349	1028	1028	60.0	--	275	7.4
03...	1350	1028	1028	64.0	80	280	7.4
03...	1353	1028	1028	75.0	--	280	7.4
03...	1355	1028	1028	80.0	--	290	7.4

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
SEP						
03...	--	--	9.7	--	--	--
03...	--	--	8.5	--	--	--
03...	--	--	7.3	--	--	--
03...	--	--	4.7	--	--	--
03...	--	--	3.8	--	--	--
03...	--	--	2.5	--	--	--
03...	--	--	2.5	--	--	--
03...	--	--	1.3	99	2.0	--
03...	--	--	1.2	--	--	--
03...	--	--	1.6	--	--	--

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO (LAT 36 34 40 LONG 092 38 47)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
11...	1210	1028	1028	.0	12	--	--	--	--	--
11...	1215	1028	1028	6.0	12	293	8.1	7.0	5	1.8
MAY										
13...	1740	1028	1028	.0	23	--	--	--	--	--
13...	1745	1028	1028	5.0	23	359	8.2	20.5	0	.90
13...	1755	1028	1028	18.0	23	350	8.2	18.5	0	1.2
SEP										
03...	1515	1028	1028	.0	25	--	--	--	--	--
03...	1520	1028	1028	5.0	25	300	8.2	27.5	0	3.5
03...	1525	1028	1028	20.0	25	290	8.1	27.0	0	5.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO--CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
11...	78.0	--	3	--	--	--	--	--	--
11...	--	9.0	--	130	0	31	78	13	140
MAY									
13...	64.0	--	1	--	--	--	--	--	--
13...	--	10.1	--	200	19	45	112	21	180
13...	--	9.2	--	180	8	40	100	19	170
SEP									
03...	48.0	--	K3	--	--	--	--	--	--
03...	--	7.4	--	150	21	34	85	16	130
03...	--	5.9	--	150	10	32	80	17	140

362830092374400 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
11...	0940	1028	1028	.0	100	--	--	--	--	--
11...	0945	1028	1028	20.0	100	260	7.5	11.0	0	1.3
11...	0950	1028	1028	80.0	100	257	8.2	11.0	0	1.0
MAY										
13...	1830	1028	1028	.0	137	--	--	--	--	--
13...	1835	1028	1028	27.0	137	280	8.3	15.5	0	.60
13...	1840	1028	1028	110	137	282	8.0	7.5	0	.40
SEP										
03...	1600	1028	1028	.0	80	--	--	--	--	--
03...	1605	1028	1028	16.0	80	270	8.3	27.0	0	.50
03...	1615	1028	1028	64.0	80	270	7.6	13.5	0	.30

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
11...	132	--	1	--	--	--	--	--	--
11...	--	9.2	--	110	0	28	70	10	120
11...	--	8.8	--	110	0	29	72	9.6	120
MAY									
13...	192	--	0	--	--	--	--	--	--
13...	--	11.1	--	130	13	35	88	11	120
13...	--	9.1	--	140	9	36	90	12	130
SEP									
03...	90.0	--	0	--	--	--	--	--	--
03...	--	8.4	--	130	7	31	78	12	120
03...	--	3.4	--	130	17	38	95	7.9	110

362300092365800 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
18...	1505	1028	1028	.0	90	--	--	--	--	--
18...	1510	1028	1028	18.0	90	260	8.2	10.0	5	1.7
18...	1515	1028	1028	72.0	90	260	8.2	10.0	5	1.6
MAY										
13...	1905	1028	1028	.0	130	--	--	--	--	--
13...	1910	1028	1028	26.0	130	270	8.1	13.0	0	.60
13...	1915	1028	1028	104	130	260	7.3	8.0	0	.40

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362300092365800 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
SEP										
02...	1645	1028	1028	.0	100	--	--	--	--	--
02...	1650	1028	1028	20.0	100	280	8.4	26.0	0	.50
02...	1700	1028	1028	80.0	100	290	7.8	12.0	0	.80

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
18...	162	--	0	--	--	--	--	--	--
18...	--	8.0	--	150	16	37	92	13	130
18...	--	8.3	--	150	20	37	92	14	130
MAY									
13...	149	--	0	--	--	--	--	--	--
13...	--	11.3	--	130	9	35	88	10	120
13...	--	8.8	--	150	29	40	--	12	120
SEP									
02...	168	--	0	--	--	--	--	--	--
02...	--	8.6	--	130	19	32	80	12	110
02...	--	.8	--	140	4	38	95	12	140

362332092321000 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR
(LAT 36 23 32 LONG 092 32 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
18...	1530	1028	1028	.0	110	--	--	--	--	--
18...	1535	1028	1028	22.0	110	260	8.1	10.5	5	.70
18...	1540	1028	1028	88.0	110	260	8.1	10.0	10	.70
MAY										
13...	1930	1028	1028	.0	150	--	--	--	--	--
13...	1935	1028	1028	30.0	150	270	8.1	13.5	0	.70
13...	1940	1028	1028	120	150	275	7.9	7.5	0	.40
SEP										
02...	1730	1028	1028	.0	160	--	--	--	--	--
02...	1745	1028	1028	38.0	160	260	8.4	23.5	0	.50
02...	1750	1028	1028	122	160	300	7.3	9.5	5	2.9

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
18...	162	--	0	--	--	--	--	--	--
18...	--	7.4	--	140	12	37	92	12	130
18...	--	7.8	--	140	--	37	--	12	--
MAY									
13...	165	--	0	--	--	--	--	--	--
13...	--	11.8	--	140	20	38	95	11	120
13...	--	9.0	--	130	3	35	88	11	130
SEP									
02...	120	--	0	--	--	--	--	--	--
02...	--	13.8	--	130	23	35	88	11	110
02...	--	.1	--	150	17	39	98	12	130

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07056700 BUFFALO RIVER NEAR HARRIETT, AR (LAT 36 04 03 LONG 092 34 38)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC 04...	1045	1028	1028	210	8.3	3.0	13.5	100	1.0	1
APR 29...	1330	1028	1028	208	8.2	16.5	11.0	112	.9	1
JUL 08...	0945	1028	1028	233	8.1	31.0	6.6	88	1.4	21
AUG 26...	1445	1028	1028	193	8.6	29.0	11.9	153	2.0	1

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
DEC 04...	1045	K1	110	11	39	3.2	2.1	4	.1	.8
APR 29...	1330	4	98	9	35	2.6	1.6	3	.1	.7
JUL 08...	0945	31	110	3	40	3.2	2.0	4	.1	1.0
AUG 26...	1445	25	92	10	30	4.1	2.1	5	.1	.9

DATE	TIME	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC 04...	1045	100	8.0	2.8	.1	3.6	124	120	.17	.00
APR 29...	1330	89	7.9	2.2	.1	4.7	116	108	.16	.00
JUL 08...	0945	110	4.7	2.9	.2	10	141	130	.19	.00
AUG 26...	1445	82	7.6	3.7	.1	11	115	109	.16	.00

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P) (00671)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4) (00660)
DEC 04...	1045	.01	.070	.42	.49	2.2	.020	.06	.040	.12
APR 29...	1330	.02	.000	.63	.63	2.8	.020	.06	.010	.03
JUL 08...	0945	.00	.100	.35	.45	2.0	.000	.00	.000	.00
AUG 26...	1445	.00	.020	.25	.27	1.2	.030	.09	.000	.00

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
DEC 04...	1045	0	0	0	300	300	20	10	0	0	1
APR 29...	1330	0	0	0	200	200	20	2	1	1	<1
JUL 08...	0945	1	1	0	0	0	30	10	0	0	<1
AUG 26...	1445	1	0	1	0	0	10	10	0	0	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07056700 BUFFALO RIVER NEAR HARRIET, AR--CONTINUED

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
DEC 04...	1045	0	0	0	2	0	<3	11	11	0	130
APR 29...	1330	0	0	0	0	0	<3	3	2	1	140
JUL 08...	0945	0	0	10	0	0	<3	9	7	2	110
AUG 26...	1445	0	0	0	0	0	<3	2	1	1	120

DATE	TIME	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)
DEC 04...	1045	120	10	1	1	0	10	1	9	.0	.0
APR 29...	1330	140	<10	0	0	1	20	10	7	.0	.0
JUL 08...	0945	100	10	8	5	3	30	20	10	.0	.0
AUG 26...	1445	110	10	3	1	2	30	20	10	.0	.0

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
DEC 04...	1045	.0	0	0	0	0	0	0	20	10	10
APR 29...	1330	.0	0	0	0	0	0	0	20	20	<3
JUL 08...	0945	.0	0	0	0	2	2	0	20	20	3
AUG 26...	1445	.0	0	0	0	1	1	0	20	20	<3

DATE	TIME	PCB TOTAL (UG/L) (39516)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)
DEC 04...	1045	.00	0	.00	.0	.0	0	.00	.0	.00	.1
JUL 08...	0945	.00	0	.00	.0	.0	0	.00	.0	.00	.0

DATE	TIME	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)
DEC 04...	1045	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00
JUL 08...	0945	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07056700 BUFFALO RIVER NEAR HARRIET, AR--CONTINUED

DATE	TIME	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)
DEC											
04...	1045	.0	.00	.0	.00	.0	.00	.00	.3	.00	.00
JUL											
08...	0945	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00

DATE	TIME	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
DEC										
04...	1045	.00	.00	.00	0	0	.00	.00	.00	.00
JUL										
08...	0945	.00	.00	.00	0	0	.00	.00	.00	.00

07058500 NORTH FORK RIVER AT TECUMSEH, MO (LAT 36 35 12 LONG 092 17 18)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	0810	1028	1028	.0	4.0	--	--	--	--	--
19...	0815	1028	1028	2.0	4.0	386	8.0	5.0	5	1.2
MAY										
14...	1545	1028	1028	.0	8.0	--	--	--	--	--
14...	1555	1028	1028	4.0	8.0	366	8.3	19.5	0	.60
SEP										
04...	1730	1028	1028	.0	10	--	--	--	--	--
04...	1740	1028	1028	5.0	10	380	8.3	23.5	0	3.5

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
19...	>48.0	--	--	3	--	--	--	--	--	--
19...	--	10.0	1.0	--	220	17	44	110	26	1.1
MAY										
14...	>96.0	--	--	--	--	--	--	--	--	--
14...	--	10.6	.7	--	200	20	42	105	23	.9
SEP										
04...	72.0	--	--	46	--	--	--	--	--	--
04...	--	10.0	2.6	--	210	14	43	108	26	1.1

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	200	5.2	2.9	.56	.000	.27	.27	.83	3.7	.000
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	180	3.4	2.8	.44	.100	.46	.56	1.0	4.4	.010
SEP										
04...	--	--	--	--	--	--	--	--	--	--
04...	200	2.7	2.2	.34	.000	.91	.91	1.3	5.5	.040

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO--CONTINUED

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	.010	20	0	12	2	20	60	.0	0	10
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	.010	50	0	0	1	100	10	.1	6	0
SEP										
04...	--	--	--	--	--	--	--	--	--	--
04...	.000	110	0	30	4	130	20	.0	4	70

07058600 NORFORK LAKE NEAR UDALL, MO (LAT 36 32 54 LONG 092 16 55)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	0845	1028	1028	.0	10	--	--	--	--	--
19...	0850	1028	1028	5.0	10	383	8.3	5.0	5	.30
MAY										
14...	1715	1028	1028	.0	10	--	--	--	--	--
14...	1720	1028	1028	5.0	10	391	8.1	21.0	0	.30
SEP										
05...	1820	1028	1028	.0	3.0	--	--	--	--	--
05...	1830	1028	1028	1.5	3.0	450	7.5	23.5	0	1.8

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
19...	66.0	--	0	--	--	--	--	--	--
19...	--	12.0	--	200	0	41	102	24	210
MAY									
14...	46.0	--	1	--	--	--	--	--	--
14...	--	8.9	--	210	9	44	110	24	200
SEP									
05...	108	--	43	--	--	--	--	--	--
05...	--	7.6	--	270	0	51	128	34	280

362407092191500 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
18...	1100	1028	1028	.0	50	--	--	--	--	--
18...	1105	1028	1028	10.0	50	300	8.3	10.0	5	1.0
18...	1110	1028	1028	40.0	50	300	8.2	10.0	0	2.1
MAY										
14...	1335	1028	1028	.0	50	--	--	--	--	--
14...	1340	1028	1028	10.0	50	352	8.2	19.0	0	.40
14...	1345	1028	1028	40.0	50	360	7.9	14.0	0	.30
SEP										
05...	1510	1028	1028	.0	40	--	--	--	--	--
05...	1515	1028	1028	8.0	40	320	8.3	27.5	0	.60
05...	1520	1028	1028	32.0	40	330	8.3	27.0	0	4.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362407092191500 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
18...	78.0	--	0	--	--	--	--	--	--
18...	--	8.2	--	170	14	35	88	21	160
18...	--	8.2	--	170	14	35	88	21	160
MAY									
14...	94.0	--	0	--	--	--	--	--	--
14...	--	10.6	--	190	20	40	100	22	170
14...	--	7.9	--	190	10	40	100	22	180
SEP									
05...	108	--	0	--	--	--	--	--	--
05...	--	8.0	--	170	0	30	75	23	170
05...	--	6.6	--	170	2	31	78	23	170

362230092143700 NORFORK LAKE AT HENDERSON, AR (LAT 36 22 30 LONG 092 14 37)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
18...	1125	1028	1028	.0	90	--	--	--	--	--
18...	1130	1028	1028	18.0	90	300	8.1	10.0	5	.50
18...	1135	1028	1028	72.0	90	300	8.1	10.0	5	1.0
MAY										
14...	1310	1028	1028	.0	118	--	--	--	--	--
14...	1315	1028	1028	24.0	118	336	8.4	18.0	0	.40
14...	1320	1028	1028	94.0	118	342	8.0	9.0	0	.50
SEP										
05...	1550	1028	1028	.0	110	--	--	--	--	--
05...	1555	1028	1028	22.0	110	315	8.3	27.0	0	.60
05...	1600	1028	1028	88.0	110	361	7.9	10.0	0	2.6

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
18...	78.0	--	--	0	--	--	--	--	--	--
18...	--	8.4	1.3	--	170	14	35	88	21	1.2
18...	--	8.4	1.2	--	170	14	35	88	21	1.2
MAY										
14...	132	--	--	0	--	--	--	--	--	--
14...	--	10.6	1.0	--	180	11	38	95	21	.9
14...	--	7.7	.3	--	180	14	39	98	21	1.0
SEP										
05...	198	--	--	0	--	--	--	--	--	--
05...	--	7.6	1.8	--	170	0	30	75	22	1.2
05...	--	5.5	2.8	--	200	0	41	102	23	1.2

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	160	4.4	2.3	.16	.000	.45	.45	.61	2.7	.010
18...	160	5.2	2.4	.15	.080	.54	.62	.77	3.4	.010
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	170	4.4	2.4	.24	.080	.39	.47	.71	3.1	.010
14...	170	.4	2.4	.29	.020	.43	.45	.74	3.3	.010
SEP										
05...	--	--	--	--	--	--	--	--	--	--
05...	170	2.9	2.7	.00	.000	.53	.53	.53	2.3	.030
05...	200	3.1	2.7	.09	.190	.22	.41	.50	2.2	.040

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

362230092143700 NORFORK LAKE AT HENDERSON, AR--CONTINUED

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC										
18...	--	--	--	--	--	--	--	--	--	--
18...	.000	0	1	12	7	110	10	.0	0	10
18...	.000	50	1	12	4	60	60	.0	0	0
MAY										
14...	--	--	--	--	--	--	--	--	--	--
14...	.010	60	0	0	2	100	10	.0	4	10
14...	.000	60	1	0	2	100	20	.0	6	40
SEP										
05...	--	--	--	--	--	--	--	--	--	--
05...	.000	60	1	0	4	60	10	.2	5	40
05...	.000	80	2	0	2	480	1000	.0	4	40

362007092170400 NORFORK LAKE ON FALL CREEK, AR (LAT 36 20 07 LONG 092 17 04)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
18...	1210	1028	1028	.0	10	--	--	--	--	--
18...	1215	1028	1028	5.0	10	300	8.3	9.0	5	1.8
MAY										
14...	1415	1028	1028	.0	20	--	--	--	--	--
14...	1420	1028	1028	4.0	20	350	8.1	21.0	5	.40
14...	1425	1028	1028	16.0	20	347	8.1	17.5	5	.90
SEP										
05...	1440	1028	1028	.0	9.0	--	--	--	--	--
05...	1445	1028	1028	4.5	9.0	310	7.9	29.0	0	1.0

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
18...	108	--	0	--	--	--	--	--	--
18...	--	8.7	--	170	14	35	88	21	160
MAY									
14...	76.0	--	1	--	--	--	--	--	--
14...	--	9.6	--	190	20	40	100	22	170
14...	--	11.0	--	190	18	39	98	22	170
SEP									
05...	96.0	--	0	--	--	--	--	--	--
05...	--	7.4	--	170	6	30	75	22	160

361627092123000 NORFORK LAKE NEAR HAND, AR (LAT 36 16 27 LONG 092 12 30)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
18...	1235	1028	1028	.0	120	--	--	--	--	--
18...	1240	1028	1028	34.0	120	300	8.1	10.0	5	2.0
MAY										
14...	1130	1028	1028	.0	144	--	--	--	--	--
14...	1135	1028	1028	29.0	144	320	8.2	12.0	0	.40
14...	1140	1028	1028	115	144	323	7.8	8.0	0	.40
SEP										
04...	1300	1028	1028	.0	120	--	--	--	--	--
04...	1305	1028	1028	24.0	120	325	8.4	27.0	0	.50
04...	1315	1028	1028	96.0	120	330	7.6	9.5	0	.60

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

361627092123000 NORFORK LAKE NEAR HAND, AR--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
18...	84.0	--	8	--	--	--	--	--	--
18...	--	7.8	--	170	7	34	85	20	160
MAY									
14...	131	--	0	--	--	--	--	--	--
14...	--	10.8	--	170	15	37	92	20	160
14...	--	8.9	--	170	15	37	92	20	160
SEP									
04...	228	--	0	--	--	--	--	--	--
04...	--	8.7	--	170	6	32	80	21	160
04...	--	2.0	--	170	5	37	92	20	170

07061600 BLACK RIVER BELOW ANNAPOLIS, MO (LAT 37 19 30 LONG 090 45 50)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	1525	1028	1028	.0	2.0	--	--	--	--	--
19...	1530	1028	1028	1.0	2.0	262	8.2	8.0	0	1.3
MAY										
15...	1555	1028	1028	.0	2.0	--	--	--	--	--
15...	1600	1028	1028	1.0	2.0	239	8.3	18.0	0	.40
SEP										
10...	1000	1028	1028	.0	1.0	--	--	--	--	--
10...	1005	1028	1028	.5	1.0	291	8.1	23.0	0	2.1

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
19...	>24.0	--	--	0	--	--	--	--	--	--
19...	--	12.4	.9	--	130	11	26	65	16	.7
MAY										
15...	>24.0	--	--	1	--	--	--	--	--	--
15...	--	9.6	.4	--	120	16	25	62	13	.7
SEP										
10...	>12.0	--	--	20	--	--	--	--	--	--
10...	--	8.4	1.5	--	150	27	31	78	17	1.1

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	120	10	3.4	.15	.000	.14	.14	.29	1.3	.000
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	100	13	2.5	.16	.080	.20	.28	.44	1.9	.010
SEP										
10...	--	--	--	--	--	--	--	--	--	--
10...	120	.4	1.1	.03	.000	.40	.40	.43	1.9	.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO--CONTINUED

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	.000	10	1	12	6	100	0	.0	2	0
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	.010	200	1	0	4	80	10	.1	2	30
SEP										
10...	--	--	--	--	--	--	--	--	--	--
10...	.000	30	0	10	3	120	10	.0	10	10

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO (LAT 37 12 30 LONG 090 46 43)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	1240	1028	1028	.0	6.0	--	--	--	--	--
19...	1245	1028	1028	3.0	6.0	243	7.5	8.0	0	.30
MAY										
15...	1435	1028	1028	.0	4.0	--	--	--	--	--
15...	1440	1028	1028	2.0	4.0	232	8.1	18.0	0	.60
SEP										
09...	1640	1028	1028	.0	12	--	--	--	--	--
09...	1645	1028	1028	6.0	12	278	7.7	27.5	0	1.3

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
19...	>72.0	--	--	0	--	--	--	--	--	--
19...	--	12.4	1.2	--	140	18	29	72	16	.6
MAY										
15...	>48.0	--	--	1	--	--	--	--	--	--
15...	--	9.1	.4	--	110	11	23	58	13	.6
SEP										
09...	12.0	--	--	1	--	--	--	--	--	--
09...	--	7.9	1.5	--	140	18	29	72	16	.9

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	120	8.8	2.9	.19	.000	.22	.22	.41	1.8	.000
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	100	11	2.2	.15	.010	1.8	1.8	2.0	8.6	.010
SEP										
09...	--	--	--	--	--	--	--	--	--	--
09...	120	11	3.2	.06	.000	.24	.24	.30	1.3	.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO--CONTINUED

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	.000	0	1	12	6	40	30	.0	2	10
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	.010	70	0	0	1	80	10	.1	3	10
SEP										
09...	--	--	--	--	--	--	--	--	--	--
09...	.000	80	0	0	3	210	40	.0	6	20

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO (LAT 37 09 58 LONG 090 48 43)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	1310	1028	1028	.0	1.0	--	--	--	--	--
19...	1315	1028	1028	.5	1.0	254	7.5	8.0	0	.40
MAY										
15...	1410	1028	1028	.0	6.0	--	--	--	--	--
15...	1415	1028	1028	3.0	6.0	242	8.0	19.5	5	6.8
SEP										
09...	1615	1028	1028	.0	4.0	--	--	--	--	--
09...	1620	1028	1028	2.0	4.0	140	6.1	28.0	5	7.5

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
19...	>12.0	--	0	--	--	--	--	--	--
19...	--	12.8	--	140	2	29	72	17	140
MAY									
15...	30.0	--	K20	--	--	--	--	--	--
15...	--	8.7	--	120	0	25	62	14	120
SEP									
09...	12.0	--	7	--	--	--	--	--	--
09...	--	9.5	--	150	17	31	78	17	130

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
19...	1325	1028	1028	.0	5.0	--	--	--	--	--
19...	1330	1028	1028	2.5	5.0	254	7.7	8.0	5	1.8
MAY										
15...	1400	1028	1028	.0	3.0	--	--	--	--	--
15...	1405	1028	1028	1.5	3.0	248	7.9	18.0	5	8.5
SEP										
09...	1515	1028	1028	.0	1.0	--	--	--	--	--
09...	1520	1028	1028	.5	1.0	152	6.4	35.0	10	6.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO--CONTINUED

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
19...	>60.0	--	2	--	--	--	--	--	--
19...	--	10.8	--	140	12	29	72	17	130
MAY									
15...	25.0	--	K43	--	--	--	--	--	--
15...	--	10.0	--	120	4	25	62	15	120
SEP									
09...	1.0	--	1	--	--	--	--	--	--
09...	--	9.6	--	150	14	32	80	18	140

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO (LAT 37 08 12 LONG 090 46 23)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
19...	1345	1028	1028	.0	25	--	--	--	--	--
19...	1350	1028	1028	5.0	25	240	7.8	8.0	5	3.2
19...	1355	1028	1028	20.0	25	235	7.7	8.0	5	3.1
MAY										
15...	1325	1028	1028	.0	37	--	--	--	--	--
15...	1330	1028	1028	7.0	37	220	8.2	19.5	0	1.5
15...	1335	1028	1028	30.0	37	220	8.0	15.5	0	4.2
SEP										
09...	1445	1028	1028	.0	35	--	--	--	--	--
09...	1450	1028	1028	7.0	35	271	8.1	31.0	0	.80
09...	1500	1028	1028	28.0	35	266	7.6	25.5	0	10

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
19...	60.0	--	--	0	--	--	--	--	--	--
19...	--	10.8	.9	--	130	17	26	65	15	.8
19...	--	10.5	.8	--	130	28	24	82	16	.6
MAY										
15...	106	--	--	1	--	--	--	--	--	--
15...	--	8.8	.7	--	110	13	23	58	13	.5
15...	--	6.6	2.8	--	110	15	23	58	13	.7
SEP										
09...	84.0	--	--	0	--	--	--	--	--	--
09...	--	9.2	2.5	--	140	18	29	72	16	1.0
09...	--	1.6	2.9	--	130	12	28	70	15	1.0

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	110	8.3	2.7	.17	.000	.18	.18	.35	1.6	.000
19...	120	8.6	2.5	.17	.040	.28	.32	.49	2.2	.060
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	98	11	2.1	.15	.010	.78	.79	.94	4.2	.010
15...	96	11	2.0	.18	.070	.93	1.0	1.2	5.2	.020
SEP										
09...	--	--	--	--	--	--	--	--	--	--
09...	120	11	3.0	.00	.000	.56	.56	.56	2.5	.020
09...	120	6.9	2.8	.00	.420	.48	.90	.90	4.0	.040

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC										
19...	--	--	--	--	--	--	--	--	--	--
19...	.000	0	1	12	4	120	2	.0	0	10
19...	.010	0	1	8	5	140	50	.0	2	70
MAY										
15...	--	--	--	--	--	--	--	--	--	--
15...	.010	60	0	0	2	110	20	.0	5	10
15...	.010	140	0	0	1	190	40	.0	2	10
SEP										
09...	--	--	--	--	--	--	--	--	--	--
09...	.000	40	1	0	3	120	20	.0	9	20
09...	.000	220	2	10	9	470	3100	.0	14	30

07062010 BLACK RIVER AT CLEARWATER DAM, MO (LAT 37 07 55 LONG 090 46 05)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
DEC										
19...	1430	1028	1028	240	7.5	8.0	5	3.1	11.6	1.0
MAY										
15...	1245	1028	1028	222	8.0	17.5	0	2.6	9.3	1.0
SEP										
09...	1440	1028	1028	265	7.7	26.0	0	2.3	7.6	2.7

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC									
19...	0	120	4	25	62	15	.6	120	11
MAY									
15...	5	110	14	23	58	13	.5	97	11
SEP									
09...	4	140	18	29	72	16	1.0	120	7.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
DEC									
19...	3.5	.17	.040	.26	.30	.47	2.1	.000	.000
MAY									
15...	2.0	.18	.040	1.2	1.2	1.4	6.1	.010	.010
SEP									
09...	3.0	.01	.060	.44	.50	.51	2.3	.020	.000

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC									
19...	0	1	12	5	140	50	.0	4	10
MAY									
15...	70	0	0	2	160	30	.0	4	10
SEP									
09...	80	1	0	4	210	170	.0	5	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

353715092111600 GREERS FERRY LAKE AT BRUSH CREEK, AR (LAT 35 37 15 LONG 092 11 16)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
10...	1435	1028	1028	.0	60	--	--	--	--	--
10...	1440	1028	1028	12.0	60	43	7.3	11.0	0	2.4
10...	1445	1028	1028	48.0	60	54	7.2	11.0	0	2.0
MAY										
12...	1635	1028	1028	.0	50	--	--	--	--	--
12...	1640	1028	1028	10.0	50	54	7.3	19.5	0	1.4
12...	1645	1028	1028	40.0	50	64	7.3	14.0	0	1.4
AUG										
27...	1405	1028	1028	.0	46	--	--	--	--	--
27...	1410	1028	1028	9.0	46	69	7.1	28.5	0	2.3
27...	1415	1028	1028	37.0	46	101	6.7	20.5	140	38

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
10...	66.0	--	--	0	--	--	--	--	--	--
10...	--	9.2	.5	--	13	0	3.7	9	.8	1.2
10...	--	9.2	.2	--	14	0	4.3	11	.7	.7
MAY										
12...	77.0	--	--	0	--	--	--	--	--	--
12...	--	9.2	.7	--	22	8	7.3	18	.9	.4
12...	--	5.4	.8	--	27	6	9.2	23	1.0	.4
AUG										
27...	96.0	--	--	0	--	--	--	--	--	--
27...	--	7.4	1.6	--	25	0	8.2	20	1.2	1.0
27...	--	.1	1.3	--	48	0	16	40	1.9	1.4

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	14	4.0	1.1	.05	.060	.26	.32	.37	1.6	.010
10...	14	7.4	1.2	.06	.070	.51	.58	.64	2.8	.040
MAY										
12...	--	--	--	--	--	--	--	--	--	--
12...	14	3.4	1.2	.03	.040	.39	.43	.46	2.0	.010
12...	21	4.1	1.2	.04	.060	.31	.37	.41	1.8	.030
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	26	3.2	1.7	.00	.060	.27	.33	.33	1.5	.030
27...	48	2.7	1.7	.00	.870	.53	1.4	1.4	6.2	.330

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	.000	80	1	20	5	130	50	.0	7	40
10...	.030	100	1	12	2	160	70	.0	0	20
MAY										
12...	--	--	--	--	--	--	--	--	--	--
12...	.000	50	0	0	2	140	10	.0	3	10
12...	.000	100	1	0	2	310	50	.0	2	20
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	.000	60	1	0	2	110	30	.0	5	10
27...	.000	380	7	0	3	8600	1900	.0	5	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

353624092301400 GREERS FERRY LAKE ABOVE HILL CREEK, AR (LAT 35 36 24 LONG 092 30 14)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
10...	1415	1028	1028	.0	60	--	--	--	--	--
10...	1420	1028	1028	12.0	60	54	7.1	11.0	5	2.2
10...	1425	1028	1028	48.0	60	54	7.7	11.0	0	2.6
MAY										
12...	1615	1028	1028	.0	75	--	--	--	--	--
12...	1620	1028	1028	15.0	75	48	6.9	19.0	0	1.4
12...	1625	1028	1028	60.0	75	50	6.5	11.0	10	9.6
AUG										
27...	1330	1028	1028	.0	70	--	--	--	--	--
27...	1335	1028	1028	14.0	70	48	7.4	28.5	0	.80
27...	1340	1028	1028	56.0	70	60	6.7	12.5	60	8.9

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
10...	72.0	--	0	--	--	--	--	--	--
10...	--	9.9	--	13	0	4.2	10	.6	14
10...	--	9.5	--	15	1	4.3	11	1.1	14
MAY									
12...	110	--	0	--	--	--	--	--	--
12...	--	9.2	--	18	7	5.7	14	.9	11
12...	--	8.4	--	19	7	5.8	14	1.0	12
AUG									
27...	184	--	0	--	--	--	--	--	--
27...	--	7.2	--	18	0	5.5	14	1.0	18
27...	--	.3	--	24	0	7.8	20	1.2	25

353506092253200 GREERS FERRY LAKE NEAR CLINTON, AR (LAT 35 35 06 LONG 092 25 32)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
10...	1610	1028	1028	.0	8.0	--	--	--	--	--
10...	1615	1028	1028	4.0	8.0	48	6.7	6.0	5	27
MAY										
12...	1355	1028	1028	.0	10	--	--	--	--	--
12...	1400	1028	1028	5.0	10	37	7.0	23.0	5	3.1
AUG										
27...	1615	1028	1028	.0	2.0	--	--	--	--	--
27...	1620	1028	1028	1.0	2.0	76	7.6	28.5	10	26

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
10...	24.0	--	--	11	--	--	--	--	--	--
10...	--	11.0	2.5	--	7	0	1.4	4	.9	1.0
MAY										
12...	44.0	--	--	14	--	--	--	--	--	--
12...	--	8.6	2.0	--	14	6	3.6	9	1.1	.5
AUG										
27...	>24.0	--	--	K1100	--	--	--	--	--	--
27...	--	9.2	4.2	--	27	0	7.0	18	2.2	2.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

353506092253200 GREERS FERRY LAKE NEAR CLINTON, AR--CONTINUED

DATE	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	11	7.7	2.0	.15	.230	.77	1.0	1.2	5.1	.040
MAY										
12...	--	--	--	--	--	--	--	--	--	--
12...	8	3.4	1.6	.09	.170	.36	.53	.62	2.7	.030
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	34	3.8	3.8	.00	.160	.84	1.0	1.0	4.4	.060

DATE	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	.010	0	1	16	4	5300	300	.0	8	50
MAY										
12...	--	--	--	--	--	--	--	--	--	--
12...	.000	70	1	0	2	390	70	.0	3	20
AUG										
27...	--	--	--	--	--	--	--	--	--	--
27...	.000	50	1	10	1	430	300	.0	4	10

353127092250400 GREERS FERRY LAKE NEAR CHOCTAW, AR (LAT 35 31 27 LONG 092 25 04)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
10...	1635	1028	1028	.0	8.0	--	--	--	--	--
10...	1640	1028	1028	4.0	8.0	40	7.0	8.0	5	4.2
MAY										
12...	1315	1028	1028	.0	10	--	--	--	--	--
12...	1320	1028	1028	5.0	10	32	6.4	21.0	10	4.6
AUG										
27...	1345	1028	1028	.0	1.0	--	--	--	--	--
27...	1350	1028	1028	.5	1.0	48	7.6	32.0	0	5.5

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
10...	54.0	--	0	--	--	--	--	--	--
10...	--	11.0	--	13	6	2.7	7	1.4	7
MAY									
12...	29.0	--	4	--	--	--	--	--	--
12...	--	8.1	--	11	3	2.8	7	1.0	8
AUG									
27...	12.0	--	14	--	--	--	--	--	--
27...	--	7.7	--	15	0	4.1	10	1.1	18

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WHITE RIVER BASIN--CONTINUED

353012092053200 GREERS FERRY LAKE NEAR EDEN ISLE, AR (LAT 35 30 12 LONG 092 05 32)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
10...	1240	1028	1028	.0	60	--	--	--	--	--
10...	1245	1028	1028	12.0	60	46	7.2	12.0	5	1.8
10...	1250	1028	1028	48.0	60	46	7.2	11.0	0	7.0
MAY										
12...	1800	1028	1028	.0	65	--	--	--	--	--
12...	1805	1028	1028	13.0	65	41	7.0	18.0	0	1.2
12...	1810	1028	1028	52.0	65	42	6.8	10.5	0	1.5
AUG										
27...	1200	1028	1028	.0	75	--	--	--	--	--
27...	1205	1028	1028	15.0	75	42	7.5	28.0	0	1.0
27...	1210	1028	1028	60.0	75	46	6.7	11.5	0	1.2

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
10...	78.0	--	0	--	--	--	--	--	--
10...	--	9.8	--	8	0	2.4	6	.4	11
10...	--	9.5	--	12	1	3.4	8	.8	11
MAY									
12...	104	--	0	--	--	--	--	--	--
12...	--	9.5	--	15	4	4.7	12	.9	11
12...	--	9.7	--	13	2	4.1	10	.7	11
AUG									
27...	184	--	0	--	--	--	--	--	--
27...	--	7.7	--	17	0	5.1	12	1.0	18
27...	--	4.6	--	16	8	4.9	12	1.0	8

ARKANSAS RIVER BASIN

350737093483500 BLUE MOUNTAIN LAKE AT THE NARROWS, AR (LAT 35 07 37 LONG 093 48 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
04...	1245	1028	1028	.0	6.0	--	--	--	--	--	35.0
04...	1250	1028	1028	3.0	6.0	154	7.1	4.0	25	6.2	--
MAY											
06...	1215	1028	1028	.0	7.0	--	--	--	--	--	14.0
06...	1220	1028	1028	3.5	7.0	69	6.7	19.0	80	29	--
AUG											
12...	0905	1028	1028	.0	4.0	--	--	--	--	--	12.0
12...	0910	1028	1028	2.0	4.0	118	7.2	28.0	25	11	--

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
04...	--	--	30	--	--	--	--	--	--	--
04...	4.2	5.8	--	42	0	8.7	22	4.9	47	--
MAY										
06...	--	--	K250	--	--	--	--	--	--	--
06...	7.3	--	--	15	3	2.9	7	2.0	12	--
AUG										
12...	--	--	70	--	--	--	--	--	--	--
12...	2.8	--	--	51	0	11	28	5.7	55	1.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

350441093490500 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR (LAT 35 04 41 LONG 093 49 05)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
04...	1205	1028	1028	.0	1.0	--	--	--	--	--
04...	1210	1028	1028	.5	1.0	52	6.7	5.5	15	4.3
MAY										
06...	1255	1028	1028	.0	2.0	--	--	--	--	--
06...	1300	1028	1028	1.0	2.0	40	6.5	19.5	80	14

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY (MG/L AS CACO3) (00410)
DEC									
04...	>12.0	--	1	--	--	--	--	--	--
04...	--	9.4	--	16	0	3.1	8	1.9	16
MAY									
06...	22.0	--	53	--	--	--	--	--	--
06...	--	8.1	--	8	1	1.0	2	1.3	7

350550093480800 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR (LAT 35 05 50 LONG 093 48 08)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMP-LING DEPTH (FT) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)
DEC										
04...	1220	1028	1028	.0	9.0	--	--	--	--	--
04...	1225	1028	1028	4.5	9.0	130	6.9	5.5	30	6.7
MAY										
06...	1235	1028	1028	.0	13	--	--	--	--	--
06...	1240	1028	1028	2.5	13	67	6.5	18.5	60	32
06...	1245	1028	1028	11.5	13	44	6.6	18.0	60	17
AUG										
12...	0835	1028	1028	.0	14	--	--	--	--	--
12...	0840	1028	1028	3.0	14	71	7.0	28.5	20	7.6
12...	0845	1028	1028	11.0	14	97	6.8	26.5	60	31

DATE	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM DIS-SOLVED (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)
DEC										
04...	37.0	--	--	10	--	--	--	--	--	--
04...	--	2.9	2.6	--	36	0	7.0	18	4.4	2.8
MAY										
06...	19.0	--	--	160	--	--	--	--	--	--
06...	--	7.2	.8	--	16	2	2.9	7	2.1	1.1
06...	--	7.5	.4	--	10	1	1.8	4	1.4	.9
AUG										
12...	26.0	--	--	0	--	--	--	--	--	--
12...	--	3.8	.2	--	26	0	5.0	12	3.4	2.3
12...	--	1.8	.4	--	37	0	8.0	20	4.1	2.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

350550093480800 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR--CONTINUED

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
04...	--	--	--	--	--	--	--	--	--	--
04...	41	8.9	7.0	.01	.110	.44	.55	.56	2.5	.020
MAY										
06...	--	--	--	--	--	--	--	--	--	--
06...	14	6.1	1.0	.12	.180	.92	1.1	1.2	5.4	.080
06...	9	1.9	.5	.04	.080	1.8	1.9	1.9	8.6	.050
AUG										
12...	--	--	--	--	--	--	--	--	--	--
12...	26	5.3	4.7	2.6	.030	.73	.76	3.4	15	.060
12...	40	4.9	5.2	.02	.040	2.3	2.3	2.3	10	.080

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
04...	--	--	--	--	--	--	--	--	--	--
04...	.010	110	0	0	0	1200	450	.0	5	20
MAY										
06...	--	--	--	--	--	--	--	--	--	--
06...	.050	370	1	0	3	1700	130	.0	4	30
06...	.030	450	1	0	3	1100	60	.0	3	40
AUG										
12...	--	--	--	--	--	--	--	--	--	--
12...	.000	160	1	10	4	480	310	.1	5	10
12...	.010	180	2	10	8	4800	2700	.1	5	20

350614093422600 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
04...	1030	1028	1028	.0	4.0	--	--	--	--	--
04...	1035	1028	1028	2.0	4.0	64	7.2	4.5	5	4.4
MAY										
06...	1145	1028	1028	.0	4.0	--	--	--	--	--
06...	1150	1028	1028	2.0	4.0	73	6.6	20.0	65	18
AUG										
12...	1050	1028	1028	.0	3.0	--	--	--	--	--
12...	1055	1028	1028	1.5	3.0	75	7.0	29.5	45	29

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
04...	34.0	--	0	--	--	--	--	--	--
04...	--	12.1	--	18	3	3.1	8	2.4	15
MAY									
06...	20.0	--	31	--	--	--	--	--	--
06...	--	8.7	--	17	5	2.9	7	2.3	12
AUG									
12...	12.0	--	K7	--	--	--	--	--	--
12...	--	5.8	--	24	7	5.0	12	2.8	17

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
04...	1045	1028	1028	.0	40	--	--	--	--	--	42.0
04...	1050	1028	1028	8.0	40	64	7.2	5.5	5	4.6	--
04...	1055	1028	1028	32.0	40	64	7.2	5.5	5	3.8	--
MAY											
06...	1100	1028	1028	.0	25	--	--	--	--	--	18.0
06...	1105	1028	1028	5.0	25	66	7.0	20.5	40	22	--
06...	1110	1028	1028	20.0	25	67	6.8	17.5	80	33	--
AUG											
12...	1030	1028	1028	.0	25	--	--	--	--	--	16.0
12...	1035	1028	1028	5.0	25	74	7.5	30.0	30	17	--
12...	1040	1028	1028	20.0	25	78	6.7	27.5	55	25	--

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)
DEC										
04...	--	--	1	--	--	--	--	--	--	--
04...	11.6	1.7	--	18	2	3.6	9	2.1	1.6	16
04...	11.4	1.6	--	18	7	3.6	9	2.3	1.6	11
MAY										
06...	--	--	2	--	--	--	--	--	--	--
06...	8.9	1.2	--	15	4	2.7	7	2.0	1.1	11
06...	7.6	.6	--	15	3	2.8	7	2.0	1.1	12
AUG										
12...	--	--	1	--	--	--	--	--	--	--
12...	6.7	.8	--	23	4	5.0	12	2.5	1.8	19
12...	1.1	.0	--	24	6	5.0	12	2.9	1.8	18

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
DEC										
04...	--	--	--	--	--	--	--	--	--	--
04...	8.8	3.3	.05	.040	.56	.60	.65	2.9	.030	.000
04...	9.2	3.0	.06	.030	.83	.86	.92	4.1	.010	.010
MAY										
06...	--	--	--	--	--	--	--	--	--	--
06...	2.3	1.8	.04	.100	.56	.66	.70	3.1	.070	.030
06...	8.3	1.7	.05	.120	.58	.70	.75	3.3	.060	.040
AUG										
12...	--	--	--	--	--	--	--	--	--	--
12...	8.1	3.7	.00	.020	.63	.65	.65	2.9	.060	.000
12...	9.5	3.8	.12	.020	1.1	1.1	1.2	5.4	.060	.010

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
04...	--	--	--	--	--	--	--	--	--	--
04...	80	0	0	0	250	4	120	.0	5	10
04...	150	0	0	0	340	2	110	.0	4	30
MAY										
06...	--	--	--	--	--	--	--	--	--	--
06...	320	1	0	3	990	5	140	.0	3	20
06...	570	1	0	4	1300	4	250	.0	3	40
AUG										
12...	--	--	--	--	--	--	--	--	--	--
12...	310	1	0	4	890	3	240	.0	5	30
12...	350	1	10	4	1700	4	1100	.0	5	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR (LAT 35 06 17 LONG 093 37 53)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
DEC										
04...	0900	1028	1028	67	7.1	5.0	5	5.3	11.5	2.4
MAY										
06...	1030	1028	1028	67	6.7	20.0	60	24	8.8	1.6
AUG										
12...	0950	1028	1028	74	7.3	29.0	45	24	6.8	.2

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
04...	8	18	1	3.7	9	2.2	1.8	17	8.8	3.1
MAY										
06...	3	17	6	2.9	7	2.4	1.0	11	8.0	1.7
AUG										
12...	33	23	6	5.0	12	2.6	1.9	17	8.2	3.8

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
04...	.07	.070	.59	.66	.73	3.2	.050	.010	110
MAY									
06...	.05	.130	.75	.88	.93	4.1	.060	.040	380
AUG									
12...	.04	.000	1.0	1.0	1.0	4.6	.080	.050	280

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
04...	0	0	0	400	0	200	.0	6	10
MAY									
06...	1	0	3	1100	4	180	.0	4	20
AUG									
12...	1	10	4	1100	4	530	.0	3	20

345536093243600 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR (LAT 34 55 36 LONG 093 24 36)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
03...	1620	1028	1028	.0	2.0	--	--	--	--	--
03...	1625	1028	1028	1.0	2.0	47	7.1	5.0	15	5.0
MAY										
05...	1445	1028	1028	.0	7.0	--	--	--	--	--
05...	1450	1028	1028	3.5	7.0	35	6.7	19.5	40	12
AUG										
11...	1525	1028	1028	.0	4.0	--	--	--	--	--
11...	1530	1028	1028	2.0	4.0	69	7.3	30.5	10	4.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

345536093243600 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR--CONTINUED

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
03...	>24.0	--	--	5	--	--	--	--	--	--
03...	--	12.8	1.2	--	13	0	2.1	5	2.0	1.6
MAY										
05...	26.0	--	--	42	--	--	--	--	--	--
05...	--	8.4	.6	--	7	1	.8	2	1.2	.6
AUG										
11...	30.0	--	--	20	--	--	--	--	--	--
11...	--	4.9	1.0	--	22	10	4.0	10	2.9	1.5

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	15	8.6	3.3	.05	.020	.41	.43	.48	2.1	.030
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	6	2.3	2.2	.04	.040	.37	.41	.45	2.0	.030
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	12	2.3	3.5	.00	.000	.60	.60	.60	2.7	.050

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	.030	100	0	10	1	690	30	.0	6	30
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	.010	240	1	0	3	680	30	.0	5	30
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	.050	140	1	10	12	420	230	.0	4	20

345903093183600 NIMROD LAKE AT PLAINVIEW, AR (LAT 34 59 03 LONG 093 18 36)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
03...	1520	1028	1028	.0	2.0	--	--	--	--	--
03...	1525	1028	1028	1.0	2.0	212	6.4	6.0	120	22
MAY										
05...	1345	1028	1028	.0	2.0	--	--	--	--	--
05...	1350	1028	1028	1.0	2.0	70	6.6	20.0	40	6.2

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
03...	13.0	--	K7	--	--	--	--	--	--
03...	--	.0	--	50	0	9.6	24	6.2	65
MAY									
05...	>24.0	--	K180	--	--	--	--	--	--
05...	--	8.1	--	16	1	2.9	7	2.2	15

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

345703093192400 NIMROD LAKE NEAR WARDS CROSSING, AR (LAT 34 57 03 LONG 093 19 24)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
03...	1540	1028	1028	.0	9.0	--	--	--	--	--
03...	1545	1028	1028	4.5	9.0	46	6.7	4.5	5	5.2
MAY										
05...	1400	1028	1028	.0	14	--	--	--	--	--
05...	1405	1028	1028	3.0	14	54	6.5	16.0	70	7.2
05...	1410	1028	1028	11.0	14	60	6.5	20.5	80	24
AUG										
11...	1435	1028	1028	.0	14	--	--	--	--	--
11...	1440	1028	1028	3.0	14	48	7.1	30.0	25	11
11...	1445	1028	1028	11.0	14	52	6.6	28.5	55	68

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC										
03...	25.0	--	--	2	--	--	--	--	--	--
03...	--	11.1	4.8	--	10	0	1.6	4	1.4	1.1
MAY										
05...	17.0	--	--	3	--	--	--	--	--	--
05...	--	.1	3.1	--	11	0	1.8	4	1.6	1.0
05...	--	9.1	1.7	--	13	0	1.9	5	1.9	1.0
AUG										
11...	24.0	--	--	2	--	--	--	--	--	--
11...	--	7.2	2.7	--	12	0	2.0	5	1.7	1.3
11...	--	2.4	1.2	--	15	1	3.0	8	1.8	1.6

DATE	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	11	5.8	3.8	.02	.030	1.1	1.1	1.1	5.0	.040
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	11	5.0	3.7	.02	.040	1.2	1.2	1.2	5.4	.070
05...	14	4.2	3.8	.08	.170	.71	.88	.96	4.3	.080
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	13	2.1	3.1	.00	.010	.99	1.0	1.0	4.4	.070
11...	14	2.9	4.6	.00	.210	.99	1.2	1.2	5.3	.120

DATE	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	.050	0	0	0	0	420	90	.0	3	10
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	.030	190	1	0	5	1200	110	.0	11	20
05...	.050	240	2	0	5	2400	870	.0	4	20
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	.000	220	2	10	4	590	160	.0	4	20
11...	.010	340	3	10	4	4000	880	.0	5	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

345654093171200 NIMROD LAKE AT PRAIRIE CREEK, AR (LAT 34 56 54 LONG 093 17 12)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
03...	1450	1028	1028	.0	5.0	--	--	--	--	--
03...	1455	1028	1028	2.5	5.0	43	6.8	6.0	5	3.5
MAY										
05...	1215	1028	1028	.0	5.0	--	--	--	--	--
05...	1220	1028	1028	2.5	5.0	41	6.2	19.5	30	6.4
AUG										
11...	1355	1028	1028	.0	2.0	--	--	--	--	--
11...	1400	1028	1028	1.0	2.0	52	6.7	31.0	25	14

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
03...	25.0	--	3	--	--	--	--	--	--
03...	--	13.6	--	13	1	2.2	6	1.7	12
MAY									
05...	36.0	--	1	--	--	--	--	--	--
05...	--	8.1	--	9	2	1.9	5	1.1	7
AUG									
11...	18.0	--	<3	--	--	--	--	--	--
11...	--	6.4	--	12	0	2.0	5	1.7	12

345722093145600 NIMROD LAKE NEAR CARTER COVE, AR (LAT 34 57 22 LONG 093 14 56)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
DEC										
03...	1410	1028	1028	.0	4.0	--	--	--	--	--
03...	1415	1028	1028	2.0	4.0	53	6.8	5.0	40	11
MAY										
05...	1155	1028	1028	.0	6.0	--	--	--	--	--
05...	1200	1028	1028	3.0	6.0	38	6.0	19.0	40	9.3
AUG										
11...	1245	1028	1028	.0	2.0	--	--	--	--	--
11...	1250	1028	1028	1.0	2.0	52	6.5	31.0	45	31

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY (MG/L AS CACO3) (00410)
DEC									
03...	24.0	--	K2	--	--	--	--	--	--
03...	--	10.9	--	14	1	2.3	6	1.9	13
MAY									
05...	34.0	--	35	--	--	--	--	--	--
05...	--	7.3	--	10	0	1.9	5	1.2	10
AUG									
11...	>24.0	--	0	--	--	--	--	--	--
11...	--	6.6	--	14	3	3.0	8	1.6	11

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

07262000 NIMROD LAKE NEAR NIMROD, AR (LAT 34 57 07 LONG 093 09 38)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FT) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
03...	1215	1028	1028	.0	32	--	--	--	--	--	38.0
03...	1220	1028	1028	6.0	32	38	5.7	7.5	10	5.0	--
03...	1225	1028	1028	26.0	32	38	6.9	7.0	10	5.6	--
MAY											
05...	1105	1028	1028	.0	28	--	--	--	--	--	46.0
05...	1110	1028	1028	5.5	28	35	6.6	21.0	40	13	--
05...	1115	1028	1028	22.0	28	35	6.4	17.0	40	13	--
AUG											
11...	1210	1028	1028	.0	33	--	--	--	--	--	36.0
11...	1215	1028	1028	6.5	33	54	6.8	30.5	10	5.3	--
11...	1220	1028	1028	27.0	33	54	6.6	25.5	80	21	--

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)
DEC										
03...	--	--	<2	--	--	--	--	--	--	--
03...	11.2	2.8	--	10	0	1.9	5	1.3	1.0	11
03...	10.8	2.0	--	10	0	2.1	5	1.2	1.0	11
MAY										
05...	--	--	2	--	--	--	--	--	--	--
05...	9.4	.6	--	9	3	1.9	5	1.1	.7	6
05...	7.0	.8	--	6	0	.6	2	1.0	.7	6
AUG										
11...	--	--	6	--	--	--	--	--	--	--
11...	7.4	1.6	--	12	0	2.0	5	1.7	1.2	12
11...	.1	.0	--	19	0	4.0	10	2.3	1.4	24

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	3.7	2.5	.04	.070	.72	.79	.83	3.7	3.000	1.000
03...	3.8	2.4	.03	.070	.69	.76	.79	3.5	.030	.020
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	.8	.1	.02	.060	.48	.54	.56	2.5	.040	.010
05...	.5	.2	.05	.100	1.1	1.2	1.3	5.5	.050	.010
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	2.1	2.5	.00	.030	.97	1.0	1.0	4.4	.060	.000
11...	2.1	2.5	.00	.690	.51	1.2	1.2	5.3	.070	.010

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC										
03...	--	--	--	--	--	--	--	--	--	--
03...	100	1	0	4	360	2	90	.0	4	50
03...	100	1	0	0	360	1	110	.0	3	20
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	170	1	0	2	400	4	30	.0	5	20
05...	260	1	0	2	650	3	70	.0	8	30
AUG										
11...	--	--	--	--	--	--	--	--	--	--
11...	130	1	10	4	370	3	130	.1	4	20
11...	130	5	10	4	3900	4	4200	.1	4	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

ARKANSAS RIVER BASIN--CONTINUED

07262500 FOURCHE LA FAVE RIVER NEAR NIMROD, AR (LAT 34 57 02 LONG 093 09 16)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	COLOR (PLATINUM COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L) (00310)
DEC										
03...	1000	1028	1028	39	6.9	5.5	10	4.1	11.9	1.6
MAY										
05...	1045	1028	1028	34	6.5	17.5	50	14	9.5	1.6
AUG										
11...	1130	1028	1028	71	6.6	26.0	55	18	6.4	3.8

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM DISSOLVED (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC										
03...	0	10	0	1.7	4	1.4	1.0	16	5.2	2.5
MAY										
05...	K390	6	3	.9	2	1.0	.7	3	.0	.0
AUG										
11...	K40	21	0	5.0	12	2.0	1.4	22	.6	3.6

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC									
03...	.03	.040	.68	.72	.75	3.3	.030	.020	100
MAY									
05...	.04	.130	.49	.62	.66	2.9	.050	.010	230
AUG									
11...	.12	.300	1.4	1.7	1.8	8.1	.080	.010	140

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
03...	0	0	0	330	1	90	.0	4	10
MAY									
05...	1	0	2	650	6	120	.0	5	20
AUG									
11...	4	10	3	1800	4	3100	.1	4	30

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07348590 BAYOU DORCHEAT NEAR FALCON, AR (LAT 33 26 41 LONG 093 21 55)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
FEB										
14...	0900	1028	1028	162	90	7.0	3.2	7.0	60	11
APR										
24...	1700	1028	1028	913	--	--	--	--	--	--
26...	1040	1028	1028	353	--	--	--	--	--	--
AUG										
08...	1030	1028	1028	4.5	--	26.0	5.4	5.0	61	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07348590 BAYOU DORCHEAT NEAR FALCON, AR--CONTINUED

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB 14...	11	2.4	1.1	11	66	1.5	1.3	0	5.8	20
AUG 08...	12	6.0	1.3	24	70	2.3	1.4	8	12	44

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB 14...	.0	9.7	60	51	.08	26.2	.00	.020	.02	.010
AUG 08...	.1	12	114	108	.16	1.39	.09	.020	.11	.010

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 14...	--	.25	.26	.28	1.2	.110	--	--	.110	.010
AUG 08...	.01	.69	.70	.81	3.6	.110	.25	.34	.020	.080

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB 14...	0900	0	--	0	--	0	--	0	--	2	--	310
APR 24...	1700	--	--	--	--	--	--	--	--	--	--	
26...	1040	--	--	--	--	--	--	--	--	--	--	
AUG 08...	1030	1	1	0	0	0	2	8	5	3	2	3400

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB 14...	--	--	--	4	--	60	--	--	--	.0	--	0
APR 24...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	2300	1100	2800	10	10	1100	0	1100	460	.0	.02	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14...	--	20	--	9.3	.7	11	4.8	--	--	--	--	60
APR 24...	--	--	--	--	--	42	--	50	77	93	100	--
26...	--	--	--	--	--	15	--	--	--	--	--	57
AUG 08...	0	40	12	12	.8	13	.16	--	--	--	--	82

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07348590 BAYOU DORCHEAT NEAR FALCON, AR--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
NOV											
01...	1100	1028	1028	11	--	--	13.0	4.3	6.5	61	12
FEB											
12...	1000	1028	1028	284	--	--	1.0	4.1	12.4	87	9
MAY											
12...	1500	1028	1028	81	120	6.1	19.0	12	7.2	77	11
AUG											
08...	0950	1028	1028	2.1	29	6.7	24.5	7.3	5.6	66	8

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV										
01...	12	2.8	1.1	12	65	1.5	2.2	0	11	22
FEB										
12...	8	2.1	.8	8.8	66	1.3	1.2	1	4.6	14
MAY										
12...	5	2.7	1.1	16	73	2.1	1.2	6	2.8	29
AUG										
08...	0	1.6	.9	1.4	26	.2	.8	10	1.2	2.7

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
01...	.0	10	87	62	.12	2.49	.01	.010	.02	.000
FEB										
12...	.0	10	50	42	.07	38.3	.14	.010	.15	.040
MAY										
12...	.1	11	89	68	.12	19.4	.09	.010	.10	.300
AUG										
08...	.1	9.4	29	24	.04	.17	.07	.010	.08	.080

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
NOV										
01...	.00	.64	.64	.66	2.9	.020	.03	.06	.020	.010
FEB										
12...	.05	.43	.47	.62	2.7	.010	.03	.03	.000	.010
MAY										
12...	.36	.90	1.2	1.3	5.8	.080	--	.25	.020	--
AUG										
08...	.10	1.3	1.4	1.5	6.6	.060	--	.18	.030	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV										
01...	1100	1	0	0	2	0	1400	870	530	3
FEB										
12...	1000	0	0	10	1	2	450	220	230	4
MAY										
12...	1500	1	1	0	5	4	3400	--	--	4
AUG										
08...	0950	1	1	10	4	9	1800	--	--	3

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07348590 BAYOU DORCHEAT NEAR FALCON, AR--CONTINUED

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	230	.1	0	30	85	.2	10	.29	75
FEB 12...	110	.1	0	40	8.8	.5	8	6.1	--
MAY 12...	310	.1	0	30	19	1.7	33	7.2	--
AUG 08...	440	.0	0	20	5.0	.6	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07348705 CYPRESS CREEK AT ARKANSAS-LOUISIANA STATE LINE
(LAT 33 01 03 LONG 093 19 06)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG 07...	1630	1028	1028	5.2	154	6.0	25.0	4.3	4.7	56

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG 07...	29	19	6.7	3.0	17	54	1.4	2.1	10	14

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 07...	36	.1	15	89	.12	1.25	.02	.020	.04	.040

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
AUG 07...	.05	.76	.80	.84	3.7	.050	.15	.15	.020	.030

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
FEB 12...	0845	1028	1028	212	--	--	2.0	8.3	13.2	95	18
MAY 13...	0930	1028	1028	1150	181	6.2	18.0	13	7.1	75	23

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07348705 CYPRESS CREEK AT ARKANSAS-LOUISIANA STATE LINE--CONTINUED

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB 12...	17	4.5	1.6	14	61	1.4	1.6	1	8.6	28
MAY 13...	22	5.9	2.0	22	66	2.0	1.7	1	4.7	58

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB 12...	.0	9.0	89	68	.12	50.9	.03	.010	.04	.040
MAY 13...	.1	15	143	110	.19	444	.09	.010	.10	.290

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 12...	.05	.79	.83	.87	3.9	.020	.09	.06	.000	.030
MAY 13...	.35	.91	1.2	1.3	5.8	.060	--	.18	.010	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07349415 LITTLE BODCAU CREEK AT BODCAW, AR (LAT 33 33 25 LONG 092 25 58)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
FEB 14...	1030	1028	1028	85	--	--	8.0	3.2	9.7	84
APR 24...	1830	1028	1028	282	--	--	--	--	--	--
26...	0915	1028	1028	94	--	--	--	--	--	--
AUG 08...	0900	1028	1028	1.2	47	5.9	24.0	4.9	2.7	32

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
FEB 14...	13	13	2.2	1.9	2.8	30	.3	.8	0	6.6
AUG 08...	17	10	4.2	1.6	5.9	51	.6	1.6	7	10

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
FEB 14...	4.2	.0	9.6	39	28	.05	8.95	.06	.020
AUG 08...	5.6	.0	15	61	50	.08	--	.01	.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07349415 LITTLE BODCAU CREEK AT BODCAW, AR--CONTINUED

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 14...	.08	.010	.29	.30	.38	1.7	.050	.020	.010
AUG 08...	.03	.010	.81	.82	.85	3.8	.100	.010	.050

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
FEB 14...	1030	1	0	0	0	3	310	3	50
APR 24...	1830	--	--	--	--	--	--	--	--
26...	0915	--	--	--	--	--	--	--	--
AUG 08...	0900	1	0	0	3	2	2000	4	720

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14...	.0	0	0	8.3	.5	4	.92	72
APR 24...	--	--	--	--	--	18	--	48
26...	--	--	--	--	--	22	--	70
AUG 08...	.2	0	10	25	.3	10	.03	62

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
NOV 01...	1300	1028	1028	.35	13.0	7.7	7.2	68	8	8
FEB 12...	1045	1028	1028	115	.5	3.9	12.4	86	8	6

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
NOV 01...	1.8	.9	1.9	27	.3	2.2	0	7.7	3.9	.0
FEB 12...	1.6	1.0	2.9	40	.4	1.0	2	5.6	5.6	.0

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
NOV 01...	12	22	31	.03	.02	.00	.010	.01	.020	.02
FEB 12...	9.7	45	29	.06	14.0	.17	.010	.18	.040	.05

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07349415 LITTLE BODCAU CREEK AT BODCAW, AR--CONTINUED

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
NOV									
01...	.52	.54	.55	2.4	.060	.03	.18	.010	.010
FEB									
12...	.38	.42	.60	2.7	.010	.09	.03	.010	.030

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV										
01...	1300	1	0	0	0	0	1600	1300	290	4
FEB										
12...	1045	0	1	0	0	1	330	0	350	2

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
01...	150	.0	0	30	17	.7	16	.02	63
FEB									
12...	50	.1	0	10	54	.4	10	3.1	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07360161 CYPRESS CREEK NEAR SPARKMAN, AR (LAT 33 56 05 LONG 092 52 15)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)
FEB											
15...	0900	1028	1028	354	--	--	8.0	4.1	9.8	85	6
23...	--	1028	1028	252	--	--	--	--	--	--	--
APR											
11...	1305	1028	1028	325	--	--	--	--	--	--	--
25...	1000	1028	1028	1157	--	--	--	--	--	--	--
AUG											
06...	1400	1028	1028	23	25	6.2	24.0	14	7.5	85	8

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
FEB										
15...	5	1.4	.6	1.3	30	.2	.6	1	3.8	2.2
AUG										
06...	8	2.2	.6	1.2	22	.2	.9	0	5.3	1.9

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
15...	.0	8.3	18	19	.02	--	.08	.000	.08	.010
AUG										
06...	.0	11	33	24	.04	2.07	.03	.020	.05	.010

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07360161 CYPRESS CREEK NEAR SPARKMAN, AR--CONTINUED

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 15...	--	.16	.17	.25	1.1	.040	--	--	.020	.010
AUG 06...	.01	.36	.37	.42	1.9	.050	.09	.15	.000	.030

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB 15...	0900	1	--	0	--	0	--	0	--	4	--	300
APR 11...	1305	--	--	--	--	--	--	--	--	--	--	--
25...	1000	--	--	--	--	--	--	--	--	--	--	--
AUG 06...	1400	1	3	0	0	10	3	3	0	3	20	950

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB 15...	--	--	--	5	--	40	--	--	--	.0	--	0
AUG 06...	400	550	3900	12	0	800	730	70	130	.1	.03	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 15...	--	10	--	4.4	.7	13	--	--	--	--	53
APR 11...	--	--	--	--	--	54	47	--	--	--	20
25...	--	--	--	--	--	38	119	44	67	100	--
AUG 06...	0	0	3	8.4	.6	22	1.4	--	--	--	86

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L AS CACO3) (00902)
OCT 29...	1300	1028	1028	47	14.5	4.0	8.9	86	11	10
FEB 11...	1245	1028	1028	196	2.0	4.0	12.2	88	7	5

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT 29...	3.1	.7	1.3	18	.2	1.8	1	7.0	3.2	.0
FEB 11...	1.5	.7	2.4	41	.4	.8	2	5.0	3.9	.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07360161 CYPRESS CREEK NEAR SPARKMAN, AR--CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
OCT										
29...	11	38	29	.05	4.84	.00	.010	.01	.000	.00
FEB										
11...	8.2	19	24	.03	10.1	.08	.010	.09	.040	.05

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
OCT									
29...	.40	.40	.41	1.8	.050	.00	.15	.010	.000
FEB									
11...	.27	.31	.40	1.8	.010	.03	.03	.000	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
OCT										
29...	1300	0	0	0	0	2	960	280	680	2
FEB										
11...	1245	0	1	0	0	1	360	220	140	2

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
29...	30	.1	0	20	8.1	.2	9	1.1	67
FEB									
11...	60	.1	0	40	11	.5	13	6.9	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07360182 BRUSHY CREEK NEAR OUACHITA, AR (LAT 33 51 26 LONG 092 50 31)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
FEB										
14...	1500	1028	1028	212	--	--	9.0	2.5	10.6	95
APR										
11...	1530	1028	1028	214	--	--	--	--	--	--
11...	1600	1028	1028	--	--	--	--	--	--	--
11...	1700	1028	1028	--	--	--	--	--	--	--
12...	0800	1028	1028	497	--	--	--	--	--	--
26...	1420	1028	1028	--	--	--	--	--	--	--
AUG										
06...	1600	1028	1028	3.9	149	5.8	26.0	--	6.0	73

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07360182 BRUSHY CREEK NEAR OUACHITA, AR--CONTINUED

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
FEB 14...	11	11	2.4	1.2	7.5	58	1.0	.7	0	4.1
AUG 06...	23	23	5.4	2.2	18	72	1.6	1.2	0	5.1

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
FEB 14...	17	.0	8.3	50	41	.07	28.6	.23	.020
AUG 06...	41	.0	13	107	87	.15	--	.03	.020

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 14...	.25	.010	.22	.23	.48	2.1	.040	.020	.010
AUG 06...	.05	.020	.51	.53	.58	2.6	.050	.010	.020

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB 14...	1500	1	0	0	9	3	320	5	130	.0	0
APR 11...	1530	--	--	--	--	--	--	--	--	--	--
11...	1600	--	--	--	--	--	--	--	--	--	--
11...	1700	--	--	--	--	--	--	--	--	--	--
12...	0800	--	--	--	--	--	--	--	--	--	--
26...	1420	--	--	--	--	--	--	--	--	--	--
AUG 06...	1600	1	0	0	5	3	1100	5	300	.1	0

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14...	10	6.2	.7	17	9.7	--	--	--	--	60
APR 11...	--	--	--	132	--	--	--	--	--	56
11...	--	--	--	16	--	--	--	--	--	99
11...	--	--	--	29	--	--	--	--	--	38
12...	--	--	--	42	--	78	88	93	100	--
26...	--	--	--	17	--	--	--	--	--	40
AUG 06...	20	13	1.2	11	.12	--	--	--	--	73

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07360182 BRUSHY CREEK NR OUACHITA, AR--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
OCT 29...	1500	1028	1028	20	5880	4.4	17.0	1.1	8.0	82	780
FEB 11...	1330	1028	1028	98	50	5.8	2.0	3.5	12.0	86	8
MAY 12...	1100	1028	1028	13	126	6.1	18.0	6.0	7.3	77	14

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 29...	780	180	80	820	69	13	8.6	1	11	1900
FEB 11...	7	1.9	.8	5.4	56	.8	.8	1	4.2	11
MAY 12...	12	3.2	1.5	13	65	1.5	.9	2	1.1	27

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT 29...	.2	8.1	3250	3010	4.42	173	.00	.000	.00	.060
FEB 11...	.0	8.4	48	33	.07	12.7	.19	.000	.19	.100
MAY 12...	.1	10	82	58	.11	2.88	.08	.010	.09	.170

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT 29...	.07	.29	.35	.35	1.6	.010	.00	.03	.000	.000
FEB 11...	.12	.31	.41	.60	2.7	.010	.03	.03	.000	.010
MAY 12...	.21	.83	1.0	1.1	4.8	.020	--	.06	.020	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 29...	1500	0	3	0	76	0	600	220	380	4
FEB 11...	1330	0	1	10	2	2	360	60	300	0
MAY 12...	1100	0	3	0	4	4	2000	--	--	5

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07360182 BRUSHY CREEK NEAR OUACHITA, AR--CONTINUED

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
29...	5400	.0	0	250	4.0	.2	1	.05	30
FEB									
11...	120	.1	0	30	7.2	.4	10	2.6	--
MAY									
12...	190	.1	0	60	5.9	--	11	.39	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07361650 TERRE ROUGE CREEK NEAR PRESCOTT, AR (LAT 34 46 46 LONG 092 20 40)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
FEB										
14...	1200	1028	1028	676	7.5	12	10.2	88	28	17
APR										
12...	1830	1028	1028	1870	--	--	--	--	--	--
13...	0845	1028	1028	3100	--	--	--	--	--	--
25...	1530	1028	1028	2890	--	--	--	--	--	--
AUG										
07...	1330	1028	1028	479	26.5	6.9	6.0	74	37	9
07...	1335	1028	1028	--	--	--	--	--	--	--

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
FEB										
14...	7.7	2.1	7.9	36	.7	2.2	11	20	8.5	.1
AUG										
07...	11	2.3	10	35	.7	2.9	28	15	8.6	.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
FEB									
14...	9.8	77	65	.10	.52	.020	.54	.070	--
AUG									
07...	17	92	85	.13	.39	.060	.45	.010	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB									
14...	.35	.42	.96	4.3	.150	--	--	.150	.080
AUG									
07...	.54	.55	1.0	4.4	.190	.43	.58	.050	.140

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07361650 TERRE ROUGE CREEK NEAR PRESCOTT, AR--CONTINUED

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB												
14...	1200	1	--	0	--	0	--	0	--	6	--	640
APR												
12...	1830	--	--	--	--	--	--	--	--	--	--	--
13...	0845	--	--	--	--	--	--	--	--	--	--	--
25...	1530	--	--	--	--	--	--	--	--	--	--	--
AUG												
07...	1330	2	0	0	0	10	1	1	0	4	1	2500

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB												
14...	--	--	--	4	--	60	--	--	--	.0	--	0
AUG												
07...	1700	790	1100	23	0	210	40	170	72	.3	.02	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB											
14...	--	10	--	5.3	1.9	20	--	--	--	--	84
APR											
12...	--	--	--	--	--	44	66	77	95	100	--
13...	--	--	--	--	--	52	84	88	95	100	--
25...	--	--	--	--	--	26	--	--	--	--	77
AUG											
07...	0	20	4	9.8	.5	34	--	--	--	--	88

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
NOV										
01...	1440	1028	1028	129	14.5	21	7.2	70	30	6
FEB										
12...	1215	1028	1028	676	.5	50	12.4	86	17	6

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
NOV										
01...	8.9	2.0	14	46	1.1	4.3	24	18	15	.1
FEB										
12...	4.5	1.3	5.3	38	.6	1.8	11	13	6.7	.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07361650 TERRE ROUGE CREEK NEAR PRESCOTT, AR--CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
NOV										
01...	12	110	89	.15	38.3	.20	.010	.21	.080	.10
FEB										
12...	6.9	57	46	.08	104	.27	.020	.29	.060	.07

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
NOV									
01...	.74	.82	1.0	4.6	.250	.49	.77	.120	.160
FEB									
12...	.64	.70	.99	4.4	.130	.40	.40	.030	.130

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV										
01...	1440	1	0	0	2	0	2100	1900	240	4
FEB										
12...	1215	1	0	10	0	2	1300	1200	90	3

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
01...	320	.1	0	30	39	--	73	25	87
FEB									
12...	30	.1	0	10	9.0	1.2	31	57	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07361660 LITTLE MISSOURI RIVER NEAR WHELEN SPRINGS, AR (LAT 33 48 54 LONG 093 08 23)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
FEB										
14...	1300	1028	1028	--	69	7.1	7.5	15	9.6	83
22...	--	1028	1028	4180	--	--	--	--	--	--
APR										
16...	--	1028	1028	4560	--	--	--	--	--	--
AUG										
07...	1100	1028	1028	1460	64	6.8	25.0	23	7.0	83

DATE	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
FEB										
14...	21	12	6.1	1.3	3.1	23	.3	1.1	9	8.5
AUG										
07...	32	19	11	1.1	2.8	17	.2	1.3	13	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07361660 LITTLE MISSOURI RIVER NEAR WHELEN SPRINGS, AR--CONTINUED

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)
FEB 14...	3.8	.0	6.6	43	36	.06	--	.30	.020
AUG 07...	3.1	.1	7.9	47	47	.06	185	.15	.020

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 14...	.32	.020	.20	.22	.54	2.4	.110	.110	.020
AUG 07...	.17	.010	.32	.33	.50	2.2	.080	.020	.030

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
FEB 14...	1300	1	0	0	0	8	860	10	60	.0
APR 12...	0930	--	--	--	--	--	--	--	--	--
AUG 07...	1100	1	0	0	2	3	650	34	120	.1

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14...	0	0	3.7	.7	81	--	--	--	--	33
APR 12...	--	--	--	--	89	60	68	94	100	--
AUG 07...	0	10	5.9	.2	45	--	--	--	--	90

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
OCT 30...	1600	1028	1028	210	18.0	9.4	8.6	91	18	3
FEB 14...	--	1028	1028	4274	--	--	--	--	--	--

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT 30...	5.3	1.1	4.1	31	.4	1.6	15	9.8	7.2	.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07361660 LITTLE MISSOURI RIVER NEAR WHELEN SPRINGS, AR--CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
OCT 30...	6.8	61	45	.08	34.6	.02	.010	.03	.000	.00

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
OCT 30...	.48	.48	.51	2.3	.070	.12	.21	.010	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
OCT 30...	1600	1	0	0	1	0	1000	890	110	3

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 30...	100	.1	0	20	12	.1	12	6.8	82

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07361805 TERRE NOIR CREEK NEAR VADEN, AR (LAT 33 51 51 LONG 092 57 05)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
FEB 14...	1400	1028	1028	--	104	7.1	7.5	18	10.6	91
AUG 07...	0900	1028	1028	479	66	6.6	25.5	34	5.7	69

DATE	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
FEB 14...	30	8	10	1.2	5.0	26	.4	.9	22	11
AUG 07...	21	5	6.9	.8	3.9	31	.4	1.5	16	9.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07361805 TERRE NOIR CREEK NEAR VADEN, AR--CONTINUED

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB 14...	7.1	.1	6.9	61	55	.08	.04	.020	.06	.010
AUG 07...	4.5	.1	7.8	53	44	.07	.02	.040	.06	.010

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 14...	--	.22	.23	.29	1.3	.060	--	--	.020	.020
AUG 07...	.01	.57	.58	.64	2.8	.090	.15	.28	.030	.050

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)
FEB 14...	1400	1	--	0	--	0	--	0	--	3	--
AUG 07...	0900	1	2	0	0	10	2	3	0	5	1

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)
FEB 14...	730	--	--	--	4	--	40	--	--	--
AUG 07...	850	690	160	2800	13	5	900	860	40	170

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14...	.0	--	0	--	0	--	5.4	.9	30	78
AUG 07...	.1	.02	0	0	10	5	12	.7	49	84

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
OCT 30...	1245	1028	1028	13	16.5	63	7.7	79	57	11

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07361805 TERRE NOIR CREEK NEAR VADEN, AR--CONTINUED

DATE	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)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT										
30...	19	2.3	25	47	1.4	2.8	46	21	31	.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
OCT										
30...	11	152	141	.21	5.21	.00	.010	.01	.020	.02

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
OCT									
30...	.43	.45	.46	2.0	.060	.12	.18	.030	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
OCT										
30...	1245	1	0	0	0	1	1100	550	550	13

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
30...	110	.0	0	110	21	.2	24	.82	76

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07361850 TULIP CREEK NEAR PINE GROVE, AR (LAT 33 51 43 LONG 092 45 01)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
FEB										
15...	0830	1028	1028	--	9.5	6.4	9.7	88	7	5
23...	--	1028	1028	698	--	--	--	--	--	--
APR										
25...	0815	1028	1028	1725	--	--	--	--	--	--
AUG										
06...	1800	1028	1028	32	24.5	18	6.5	77	8	8

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07361850 TULIP CREEK NEAR PINE GROVE, AR--CONTINUED

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
FEB 15...	1.6	.7	1.8	33	.3	.8	2	5.1	2.7	.0
AUG 06...	1.9	.7	2.6	38	.4	1.2	0	5.8	3.6	.0

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
FEB 15...	9.4	20	23	.03	.02	.000	.02	.010	--
AUG 06...	15	44	32	.06	.03	.040	.07	.010	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB 15...	.21	.22	.24	1.1	.050	--	--	.020	.010
AUG 06...	.44	.45	.52	2.3	.040	.09	.12	.010	.030

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)
FEB 15...	0830	0	--	0	--	0	--	9	--	4	--
APR 24...	1830	--	--	--	--	--	--	--	--	--	--
25...	0815	--	--	--	--	--	--	--	--	--	--
AUG 06...	1800	1	1	1	0	0	3	2	0	3	2

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)
FEB 15...	300	--	--	--	5	--	40	--	--	--
AUG 06...	850	0	1000	3100	12	0	250	0	250	160

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 15...	.0	--	0	--	10	--	5.8	.7	11	68
APR 24...	--	--	--	--	--	--	--	--	130	68
25...	--	--	--	--	--	--	--	--	12	61
AUG 06...	.1	.02	0	0	10	7	12	.5	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07361850 TULIP CREEK NEAR PINE GROVE, AR--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
OCT 29...	1615	1028	1028	20	15.0	6.1	7.8	76	12	1
FEB 11...	1415	1028	1028	1410	1.0	5.8	12.1	85	7	6

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT 29...	2.8	1.1	5.5	46	.7	2.1	11	4.2	11	.0
FEB 11...	1.7	.6	2.2	38	.4	.9	1	5.6	3.0	.0

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
OCT 29...	13	51	46	.07	2.71	.00	.010	.01	.000	.00
FEB 11...	8.6	34	23	.05	129	.05	.010	.06	.040	.05

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT 29...	.39	.39	.40	1.8	.060	.03	.18	.010	.010
FEB 11...	.36	.40	.46	2.0	.030	.03	.09	.000	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 29...	1615	1	0	0	0	1	1300	1200	140	3
FEB 11...	1415	0	0	10	0	2	290	110	180	4

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 29...	150	.1	0	50	7.7	.2	13	.69	78
FEB 11...	80	.0	0	20	8.1	.6	13	49	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07362300 CHAMPAGNOLLE CREEK AT HAMPTON, AR (LAT 33 32 14 LONG 092 29 34)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
FEB										
13...	1630	1028	1028	--	46	6.2	6.0	5.6	8.0	66
21...	--	1028	1028	268	--	--	--	--	--	--
APR										
12...	1100	1028	1028	1159	--	--	--	--	--	--
25...	0945	1028	1028	1224	--	--	--	--	--	--
AUG										
08...	1430	1028	1028	8.6	59	6.2	26.5	8.6	6.2	76

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
FEB										
13...	10	8	2.4	.9	2.9	37	.4	.9	2	6.7
AUG										
08...	23	12	7.3	1.1	4.0	30	.4	2.0	11	9.1

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
13...	4.4	.0	9.8	40	29	.05	.06	.000	.06	.010
AUG										
08...	5.6	.1	10	60	47	.08	.11	.040	.15	.010

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB										
13...	--	.21	.22	.28	1.2	.050	--	--	.020	.010
AUG										
08...	.01	.64	.65	.80	3.5	.090	.12	.28	.030	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB												
13...	1630	0	--	0	--	0	--	0	--	3	--	270
APR												
12...	1100	--	--	--	--	--	--	--	--	--	--	--
24...	1700	--	--	--	--	--	--	--	--	--	--	--
25...	0945	--	--	--	--	--	--	--	--	--	--	--
AUG												
08...	1430	1	1	0	0	0	1	2	0	3	0	780

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB												
13...	--	--	--	3	--	40	--	--	--	.0	--	0
AUG												
08...	0	780	740	41	0	380	0	390	180	.1	.02	0

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07362300 CHAMPAGNOLLE CREEK AT HAMPTON, AR--CONTINUED

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB												
13...	--	0	--	6.6	.7	12	--	--	--	--	--	70
APR												
12...	--	--	--	--	--	125	84	91	96	98	100	--
24...	--	--	--	--	--	170	--	--	--	--	--	78
25...	--	--	--	--	--	25	--	--	--	--	--	47
AUG												
08...	0	10	3	13	.5	23	--	--	--	--	--	63

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
NOV											
02...	0850	1028	1028	.23	--	--	13.0	3.2	1.8	17	16
FEB											
12...	1445	1028	1028	901	--	--	1.0	6.8	12.4	87	9
MAY											
14...	0900	1028	1028	154	40	6.6	18.5	13	8.4	90	10

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV										
02...	3	3.9	1.5	5.3	37	.6	2.9	13	5.4	6.3
FEB										
12...	7	2.5	.7	2.0	29	.3	1.2	2	6.5	2.3
MAY										
14...	4	2.7	.9	3.5	39	.5	1.1	6	3.9	5.0

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV										
02...	.1	13	59	47	.08	.04	.00	.000	.00	.020
FEB										
12...	.0	8.4	40	25	.05	97.3	.07	.010	.08	.040
MAY										
14...	.1	8.1	52	29	.07	21.6	.09	.030	.12	.180

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
NOV										
02...	.02	.58	.60	.60	2.7	.070	.09	.21	.020	.030
FEB										
12...	.05	.42	.46	.54	2.4	.020	.03	.06	.000	.010
MAY										
14...	.22	.92	1.1	1.2	5.4	.050	--	.15	.020	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07362300 CHAMPAGNOLLE CREEK AT HAMPTON, AR--CONTINUED

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV										
02...	0850	1	0	0	3	0	1400	200	1200	3
FEB										
12...	1445	0	0	10	0	1	360	40	320	2
MAY										
14...	0900	1	0	0	0	1	1600	--	--	2

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
02...	660	.1	0	30	16	.2	8	.00	74
FEB									
12...	50	.1	0	30	9.4	.5	12	29	--
MAY									
14...	170	.1	0	20	12	.8	27	11	--

07362552 JACKS CREEK NEAR HARRELL, AR (LAT 33 32 34 LONG 092 21 50)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)
OCT											
31...	1230	1028	1028	2.6	43	5.8	19.0	27	7.8	84	12
FEB											
13...	0830	1028	1028	20	25	6.0	1.5	4.2	12.2	87	6
MAY											
13...	1530	1028	1028	19	28	6.2	21.0	8.0	7.8	84	8

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT										
31...	7	3.5	.9	3.8	36	.5	1.6	5	4.6	4.1
FEB										
13...	4	1.6	.5	2.1	40	.4	.6	2	4.6	2.5
MAY										
13...	0	1.7	.8	2.2	36	.3	.9	8	2.3	3.4

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
31...	.1	6.3	35	28	.05	.24	.00	.010	.01	.000
FEB										
13...	.0	7.9	35	21	.05	1.91	.06	.010	.07	.040
MAY										
13...	.1	7.2	45	23	.06	2.32	.03	.010	.04	.060

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07362552 JACKS CREEK NEAR HARRELL, AR--CONTINUED

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT 31...	.00	.68	.68	.69	3.1	.040	--	.12	.010	.030
FEB 13...	.05	.39	.43	.50	2.2	.010	.03	.03	.000	.010
MAY 13...	.07	.93	.99	1.0	4.6	.040	--	.12	.030	--

07362557 BLANN CREEK NEAR HAMPTON, AR (LAT 33 27 04 LONG 092 28 07)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	
OCT 31...	0930	1028	1028	.12	69	6.3	18.0	6.2	4.9	52		7
FEB 12...	1730	1028	1028	64	29	5.9	2.5	4.2	11.6	85		7
MAY 13...	1400	1028	1028	33	25	6.3	19.0	9.6	8.0	86		7

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 31...	0	1.9	.6	12	73	1.9	1.8	16	7.9	5.7
FEB 12...	5	1.7	.6	2.8	44	.5	.7	2	3.1	3.3
MAY 13...	2	1.8	.7	4.0	51	.6	.9	5	2.6	4.1

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT 31...	.1	3.0	56	44	.08	.02	.05	.000	.05	.780
FEB 12...	.0	7.3	31	21	.04	5.39	.21	.010	.22	.040
MAY 13...	.1	7.7	41	25	.06	3.68	.15	.040	.19	.230

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT 31...	.94	.14	.92	.97	4.3	.070	.03	.21	.020	.010
FEB 12...	.05	.40	.44	.66	2.9	.010	.03	.03	.000	.010
MAY 13...	.28	.71	.94	1.1	5.0	.040	--	.12	.010	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07363300 HURRICANE CREEK NEAR SHERIDAN, AR (LAT 34 19 10 LONG 092 20 40)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
24...	1020	1028	1028	19	--	--	16.0	--	--	--
DEC										
04...	1015	1028	1028	673	--	--	8.5	--	--	--
JAN										
15...	1200	1028	1028	191	--	--	.5	--	--	--
FEB										
13...	0930	1028	1028	270	187	7.6	4.0	19	13.0	102
MAR										
05...	1035	1028	1028	1400	--	--	9.0	--	--	--
APR										
09...	1215	1028	1028	829	--	--	16.0	--	--	--
MAY										
21...	1150	1028	1028	81	--	--	21.0	--	--	--
JUN										
28...	1045	1028	1028	44	--	--	23.0	--	--	--
AUG										
09...	1730	1028	1028	--	782	6.9	26.5	1.2	6.8	83
13...	1050	1028	1028	8.6	--	--	22.5	--	--	--
SEP										
24...	1005	1028	1028	84	--	--	18.0	--	--	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
FEB										
13...	16	0	4.4	1.3	27	76	2.9	1.7	24	44
AUG										
09...	370	360	130	11	19	11	.4	2.5	10	390

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
13...	3.8	.4	8.4	120	105	.16	.03	.020	.05	.010
AUG										
09...	2.4	.9	7.2	583	570	.79	.24	.020	.26	.020

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB										
13...	--	.29	.30	.35	1.6	.060	--	--	.020	.010
AUG										
09...	.02	.14	.16	.42	1.9	.060	.03	.18	.010	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB												
13...	0930	3	--	0	--	0	--	0	--	3	--	760
APR												
24...	1100	--	--	--	--	--	--	--	--	--	--	--
26...	1200	--	--	--	--	--	--	--	--	--	--	--
AUG												
09...	1730	0	4	0	0	0	4	0	20	3	2	160

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07363300 HURRICANE CREEK NEAR SHERIDAN, AR--CONTINUED

DATE	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB) (01052)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG) (71921)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)
FEB												
13...	--	--	--	3	--	160	--	--	--	.0	--	1
AUG												
09...	0	160	2000	96	20	390	0	390	660	.1	.04	1

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB											
13...	--	20	--	6.0	1.1	37	--	--	--	--	86
APR											
24...	--	--	--	--	--	308	26	41	70	100	--
26...	--	--	--	--	--	50	47	61	89	100	--
AUG											
09...	1	20	35	4.5	.4	10	--	--	--	--	64

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
NOV										
02...	1300	1028	1028	42	13.0	2.8	8.4	74	140	120
FEB										
13...	1730	1028	1028	397	2.5	6.8	11.2	82	42	31

DATE	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)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV										
02...	44	6.5	32	33	1.2	3.2	16	180	4.0	.9
FEB										
13...	13	2.4	9.6	32	.6	1.2	11	46	3.7	.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
NOV										
02...	9.4	287	290	.39	32.5	.00	.000	.00	.000	.00
FEB										
13...	13	100	96	.14	107	.08	.010	.09	.040	.05

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
NOV									
02...	.39	.39	.39	1.7	.030	.00	.09	.000	.000
FEB									
13...	.37	.41	.50	2.2	.020	.03	.06	.000	.010

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07363300 HURRICANE CREEK NEAR SHERIDAN, AR--CONTINUED

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV										
02...	1300	0	0	0	0	0	340	190	150	3
FEB										
13...	1730	0	1	10	2	2	590	450	140	4

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
02...	110	.0	1	20	24	--	9	1.0	62
FEB									
13...	250	.1	0	30	4.6	.9	19	20	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07363500 SALINE RIVER NEAR RYE, AR (LAT 33 42 03 LONG 092 01 33)

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 (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
25...	1130	1028	1028	122	--	--	20.0	--	--	--
JAN										
16...	1615	1028	1028	5380	--	--	1.5	--	--	--
FEB										
13...	1215	1028	1028	--	--	--	3.0	8.2	13.6	104
MAR										
06...	1530	1028	1028	15100	--	--	13.0	--	--	--
APR										
11...	1350	1028	1028	17300	--	--	18.0	--	--	--
MAY										
22...	1730	1028	1028	7920	--	--	22.5	--	--	--
JUN										
29...	1745	1028	1028	854	--	--	27.5	--	--	--
AUG										
09...	1430	1028	1028	--	96	6.7	29.0	7.2	6.3	81
14...	0940	1028	1028	246	--	--	26.0	--	--	--
SEP										
25...	1630	1028	1028	1970	--	--	24.0	--	--	--

DATE	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
FEB										
13...	20	14	5.2	1.7	3.7	28	.4	.8	7	17
AUG										
09...	33	15	9.8	2.1	4.4	27	.3	1.5	18	22

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
FEB										
13...	3.4	.1	8.5	49	42	.07	.02	.020	.04	.010
AUG										
09...	2.9	.1	11	80	66	.11	.17	.020	.19	.010

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07363500 SALINE RIVER NEAR RYE, AR--CONTINUED

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)	
FEB 13...	--	.25	.26	.30	1.3	.050	--	--	.020	.010	
AUG 09...	.01	.42	.43	.62	2.7	.060	.12	.18	.030	.040	

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
FEB 13...	1215	1	--	0	--	0	--	0	--	2	--	350
APR 24...	1330	--	--	--	--	--	--	--	--	--	--	--
25...	1315	--	--	--	--	--	--	--	--	--	--	--
26...	1000	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	1430	1	1	0	0	10	1	0	0	3	0	830
SEP 08...	1430	--	--	--	--	--	--	--	--	--	--	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) (01053)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) (71921)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB 13...	--	--	--	15	--	40	--	--	--	.0	--	0
AUG 09...	0	830	2000	5	0	300	10	290	230	.1	.01	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) (01093)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 13...	--	20	--	6.6	.3	14	--	--	--	--	78
APR 24...	--	--	--	--	--	85	46	92	96	100	--
25...	--	--	--	--	--	34	59	68	87	100	--
26...	--	--	--	--	--	300	39	87	98	100	--
AUG 09...	0	10	2	10	--	--	--	--	--	--	--
SEP 08...	--	--	--	--	--	21	--	--	--	--	94

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
NOV 02...	1100	1028	1028	544	15.0	9.7	8.1	79	37	17
FEB 13...	1600	1028	1028	7160	1.5	16	11.4	81	17	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07363500 SALINE RIVER NEAR RYE, AR--CONTINUED

DATE	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)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 02...	11	2.3	3.8	17	.3	2.3	20	20	3.6	.1
FEB 13...	4.5	1.4	3.4	29	.4	1.1	5	14	3.3	.0

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)
NOV 02...	6.2	71	62	.10	104	.02	.010	.03	.060	.07
FEB 13...	8.6	52	39	.07	1010	.07	.010	.08	.040	.05

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS, TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P) (70507)
NOV 02...	.60	.66	.69	3.1	.060	.03	.18	.010	.010
FEB 13...	.39	.43	.51	2.3	.030	.03	.09	.000	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	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)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
NOV 02...	1100	1	0	0	1	1	1000	800	200	3
FEB 13...	1600	0	1	10	0	2	580	430	150	8

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED (MG/L AS C) (00689)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 02...	250	.0	0	260	13	.5	12	18	96
FEB 13...	70	.1	0	0	8.2	.7	20	387	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07364020 L'AIGLE CREEK AT HERMITAGE, AR (LAT 33 26 29 LONG 092 11 07)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPER-ATURE, WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
FEB 13...	1430	1028	1028	39	6.0	6.0	7.4	11.1	92	10	8	2.5
AUG 09...	1230	1028	1028	61	6.5	26.0	9.3	3.7	45	20	4	5.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

RED RIVER BASIN--CONTINUED

07364020 L'AIGLE CREEK AT HERMITAGE, AR--CONTINUED

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS SUM OF CONSTITUENTS DISSOLVED (MG/L) (70301)
FEB												
13...	.9	2.4	31	.3	1.3	2	9.9	3.4	.0	8.2	23	3(
AUG												
09...	1.4	4.1	35	.4	2.0	16	7.6	5.5	.0	7.3	63	4:

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
FEB												
13...	.03	.03	.020	.05	.020	.32	.34	.39	1.7	.200	.200	.01(
AUG												
09...	.09	.12	.020	.14	.010	.61	.62	.76	3.4	.120	.030	.06(

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)
FEB											
13...	1430	1	0	0	0	4	230	15	30	.0	0
APR											
12...	1530	--	--	--	--	--	--	--	--	--	--
24...	1500	--	--	--	--	--	--	--	--	--	--
25...	1130	--	--	--	--	--	--	--	--	--	--
AUG											
09...	1230	1	0	0	3	3	1000	6	910	.1	0

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB										
13...	0	9.2	.7	9	--	--	--	--	--	89
APR										
12...	--	--	--	51	48	74	94	100	--	--
24...	--	--	--	138	39	54	89	99	100	--
25...	--	--	--	15	--	--	--	--	--	84
AUG										
09...	20	14	.3	11	--	--	--	--	--	90

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH FIELD (UNITS) (00400)	TEMPERATURE, WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
OCT											
31...	1600	1028	1028	.20	--	--	17.5	23	5.1	53	14
FEB											
13...	1330	1028	1028	1028	--	--	1.5	7.9	11.8	84	10
MAY											
14...	1200	1028	1028	79	50	6.5	18.5	13	7.5	81	11

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

RED RIVER BASIN--CONTINUED

07364020 L'AIGLE CREEK AT HERMITAGE, AR--CONTINUED

DATE	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 31...	8	3.6	1.2	5.5	36	.6	5.4	6	15	6.6
FEB 13...	8	2.5	.9	2.4	32	.3	1.1	2	7.4	2.5
MAY 14...	3	2.9	1.0	3.6	38	.5	1.2	8	2.7	4.0

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT 31...	.1	5.1	61	46	.08	.03	.39	.020	.41	.080
FEB 13...	.0	7.3	43	26	.06	119	.04	.010	.05	.040
MAY 14...	.1	10	51	30	.07	10.9	.16	.020	.18	.180

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS, TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P) (70507)
OCT 31...	.10	.91	.99	1.4	6.2	.200	.43	.61	.110	.140
FEB 13...	.05	.42	.46	.51	2.3	.020	.09	.06	.000	.030
MAY 14...	.22	.72	.90	1.1	4.8	.060	--	.18	.020	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 31...	1600	1	0	0	1	0	1100	830	270	5
FEB 13...	1330	0	1	10	0	4	420	210	210	4
MAY 14...	1200	1	0	0	1	2	1900	--	--	4

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED (MG/L AS C) (00689)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 31...	300	.1	0	60	38	.3	36	.02	92
FEB 13...	50	.1	0	50	12	.9	10	28	--
MAY 14...	230	.1	0	70	10	.9	22	4.7	--

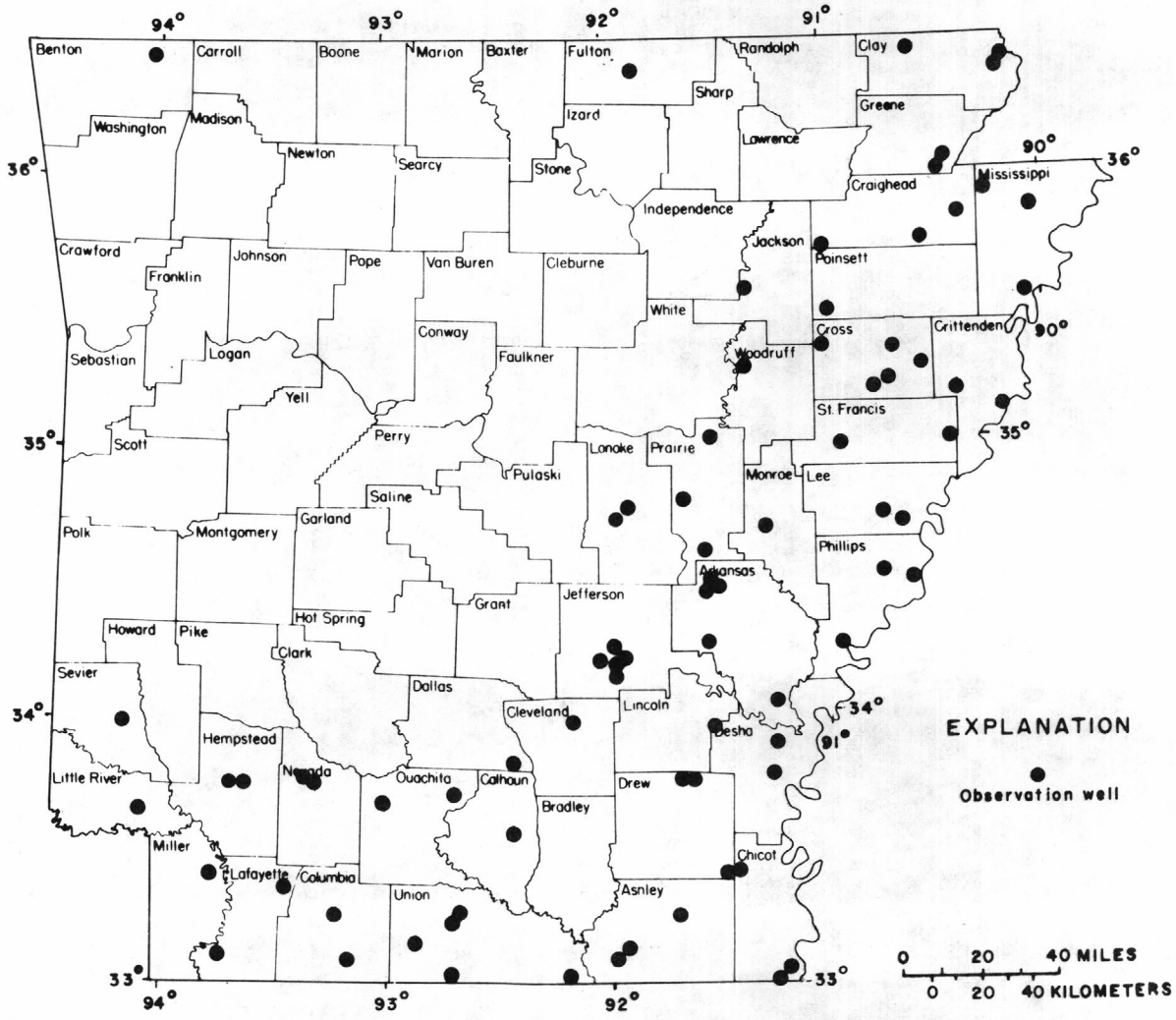

Figure 5.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.
LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.
Owner: Sam Whiting.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in (0.13-0.05 m), depth 95 ft (29 m), cased 0-92 ft (0-28 m), screened 92-95 ft (28-29 m).
DATUM.--Land surface, 183.38 ft (55.89 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft (0.79 m) above land surface.
PERIOD OF RECORD.--December 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft (12.22 m) below land surface, Apr. 20, 1962; lowest, 74.09 ft (22.58 m) below land surface, July 24, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 45.44 ft (13.85 m) below land surface.

341537091314001. Local number, 05S05W15ADD1.
LOCATION.--Lat 34°15'37", long 91°31'40", Hydrologic Unit 08020402, near Bayou Meto.
Owner: J. W. Freeman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-8 in (0.46-0.20 m), depth 110 ft (34 m), screened 65-105 ft (20-32 m).
DATUM.--Land surface, 193 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--November 1954, April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.49 ft (15.08 m) below land surface, Mar. 26, 1980; lowest, 56.09 ft (17.10 m) below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 49.49 ft (15.08 m) below land surface.

342839091322601. Local number, 03S05W03BBB1.
LOCATION.--Lat 34°28'39", long 91°32'26", Hydrologic Unit 08020402, near Stuttgart.
Owner: J. R. Oliver.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in (0.61 m), depth 125 ft (38 m).
DATUM.--Land surface, 216.2 ft (65.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
REMARKS.--Water-quality records for 1969 available in files of district office.
PERIOD OF RECORD.--May 1928 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.05 ft (24.09 m) below land surface, May 20, 1928; lowest, 106.57 ft (32.48 m) below land surface, Aug. 12, 1964.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	104.63	104.67	104.01	104.16	104.02	103.59	104.02	103.78	103.83	104.32	104.88	105.39
10	104.74	104.19	104.34	104.13	103.88	103.58	103.81	103.65	103.97	104.35	104.91	105.44
15	104.77	104.61	104.34	103.98	103.69	104.05	103.73	103.77	103.96	104.40	104.99	105.39
20	104.43	104.33	104.08	104.23	103.37	103.60	103.96	103.73	103.96	104.59	105.11	105.51
25	104.60	104.13	104.02	103.63	104.01	103.69	103.51	103.50	103.93	104.66	105.31	105.47
EOM	104.20	104.56	104.18	104.29	103.75	103.64	103.56	103.72	104.12	104.80	105.28	105.31

WTR YR 1980 MAX 103.37 FEB. 20, 1980 MIN 105.71 SEPT. 27, 1980

342842091303401. Local number, 03S05W02AAB1.
LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.
Owner: Clarence Weaver.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 801 ft (244 m), screened 698-798 ft (213-243 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1950 available in files of district office.
PERIOD OF RECORD.--March 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft (18.05 m) below land surface, Mar. 29, 1951; lowest, 157.98 ft (48.15 m) below land surface, Sept. 12, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 138.39 ft (42.18 m) below land surface.

343847091345702. Local number, 03S05W06ABA2.
LOCATION.--Lat 34°28'47", long 91°34'57", Hydrologic Unit 08020402, near Stuttgart.
Owner: Russell Roth.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 20 in (0.51 m), depth 123 ft (37 m), screened 108-123 ft (33-37 m).
DATUM.--Land surface, 198 ft (60 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for July 1975 and August 1979 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.
LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in (0.71 m), depth 760 ft (232 m).
DATUM.--Land surface, 216 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-level fluctuations caused largely by nearby irrigation pumpage. Water-quality records for 1969 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.52 ft (27.29 m) below land surface, Apr. 27, 1961; lowest, 277.19 ft (84.49 m) below land surface, Aug. 28, 1980.

342924091315301--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	177.80	163.99	157.03	152.04	148.82	146.10	143.23	143.35	180.34	219.25	267.17	---
10	174.52	162.59	156.04	151.33	148.09	145.42	142.83	150.29	185.81	---	270.53	---
15	171.71	161.37	155.33	150.80	147.76	145.44	142.48	147.54	196.21	---	274.90	---
20	169.85	160.23	154.90	150.17	147.26	144.73	141.90	144.81	204.60	252.70	274.93	---
25	167.90	158.93	153.41	149.42	146.79	143.90	142.31	144.38	200.65	259.10	275.75	---
EOM	165.45	158.14	152.45	149.06	146.55	143.28	145.73	159.13	215.12	263.48	---	234.30

WTR YR 1980 MAX 141.82 APR. 28, 1980 MIN 277.19 AUG. 28, 1980

342925091314701. Local number 02S05W34ABC1.
LOCATION.--Lat 34°29'25", long 91°31'47", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien
AQUIFER.--Sparta Sand of Eocene age.
WELL CHRACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 758 ft (231 m), cased 0-668 ft (0.204 m), screened 668-758 ft (204-231 m).
DATUM.--Land surface, 216 ft (66 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, July 1975, and August 1979 are available in files of district office.

ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 155 ft (47 m), screened 142-152 ft (43-46 m).
DATUM.--Land surface, 163.26 ft (49.76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft (1.00 m) above land surface.
PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 87.28 ft (26.60 m) below land surface, Jan. 20, 1979; lowest, 93.28 ft (28.43 m) below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 to SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	88.33	88.41	87.79	88.44	88.30	88.05	88.22	---	88.09	88.23	88.29	88.24
10	88.46	88.43	88.23	88.18	88.27	87.87	87.97	---	88.13	88.17	88.09	88.18
15	88.39	88.43	88.28	88.24	87.96	88.30	88.04	---	88.10	88.19	88.16	88.08
20	88.19	88.31	88.10	88.48	87.72	87.81	88.18	---	88.18	88.18	88.10	88.21
25	88.38	88.00	88.47	87.88	88.38	88.06	87.73	---	88.13	88.21	88.18	88.26
EOM	88.26	88.49	88.22	88.66	88.03	87.94	87.79	---	88.26	88.25	88.12	88.07

WTR YR 1980 MAX 87.43 MAR. 12, 1980 MIN 88.80 DEC. 8, 1979

331015091523801. Local number, 18S08W01DBA2.
LOCATION.--Lat 33°10'15", long 91°52'38", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (0.46 m), depth 128 ft (39 m), cased 0-108 ft (0-33 m).
DATUM.--Land surface, 183 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft (0.18 m) above land surface.
REMARKS.--Water-quality records for 1947 available in files of district office.
PERIOD OF RECORD.--April 1946, April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.90 ft (21.61 m) below land surface, Apr. 23, 1946; lowest, 86.71 ft (26.43 m) below land surface, Sept. 16, 1970.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 84.50 ft (25.76 m) below land surface.

331729091424001. Local number, 16S06W27BAB1.
LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Mist.
Owner: E. T. Muller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 115 ft (35 m).
DATUM.--Land surface, 182 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft (0.37 m) above land surface.
PERIOD OF RECORD.--April 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft (22.08 m) below land surface, Mar. 6, 1972; lowest, 75.63 ft (23.05 m) below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 75.62 ft (23.05 m) below land surface.

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 (0.20 m), depth 1,659 ft (506 m), cased 0-300 ft (0-91 m), open hole 300-1,659 ft (91-506 m).
DATUM.--Land surface, 1,220 ft (372 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft (0.76 m) above land surface.
REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.
PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft (33.14 m) below land surface, Dec. 2, 1975; lowest, 279.68 ft (85.25 m) below land surface, June 9, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 120.04 ft (36.59 m) below land surface.

CALHOUN COUNTY

33326092274101. Local number, 13S13W32CDA1.
LOCATION.--Lat 33°32'26", long 92°27'41", Hydrologic Unit 08040201, at Sturgis Street and State Highway No. 274 at Hampton.
Owner: City of Hampton.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in (0.46-0.15 m), depth 450 ft (137 m).
DATUM.--Land surface, 208 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft (0.76 m) above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft (40.99 m) below land surface, July 6, 1964; lowest, 164.78 ft (50.22 m) below land surface, Oct. 22, 1979.
MEASUREMENT FOR CURRENT YEAR.--Oct. 22, 1979, 164.78 ft (50.22 m) below land surface, and Mar. 19, 1980, 159.90 ft (48.74 m) below land surface.

CHICOT COUNTY

330215091120501. Local number, 19S01W21AAA1.
LOCATION.--Lat 33°02'15", long 91°12'05", Hydrologic Unit 08050002, near Readland.
Owner: C. M. Rankin.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in (0.61 m), depth 102 ft (31 m).
DATUM.--Land surface, 110 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft (0.20 m) below land surface, Mar. 29, 1973; lowest, 32.96 ft (10.05 m) below land surface, Oct. 2, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1980, 13.59 ft (4.14 m) below land surface.

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in (0.46-0.15 m), depth 330 ft (101 m).
DATUM.--Land surface, 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records for 1970 and 1975 available in files of the district office.
PERIOD OF RECORD.--January 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft (11.20 m) below land surface, Mar. 20, 1975; lowest, 45.47 ft (13.86 m) below land surface, Jan. 17, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1980, 39.10 ft (11.92 m) below land surface.

332628091261201. Local number, 14S03W32BCD1.
LOCATION.--Lat 33°26'28", long 91°26'12", Hydrologic Unit 08050001, near Jerome.
Owner: Multiponics Inc.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-12 in (0.41-0.30 m), depth 120 ft (37 m).
DATUM.--Land surface, 130 ft (40 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (0.05-m) pipe, southwest side of pump, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records for 1970 available in files of district office.
PERIOD OF RECORD.--April 1955 to March 1961, March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.51 ft (6.86 m) below land surface, Mar. 28, 1960; lowest, 28.85 ft (8.79 m) below land surface, Mar. 7, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1980, 25.10 ft (7.65 m) below land surface.

CLAY COUNTY

362311090111002. Local number, 20N08E11BAC2.
LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No.2).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft (305 m).
DATUM.--Land surface, 290 ft (88 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (0.03-m) hole in bottom of discharge pipe, 4.00 ft (1.22 m) above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft (1.23 m) below land surface, Mar. 25, 1969; lowest, 18.49 ft (5.64 m) below land surface, Apr. 13, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 15.21 ft (4.64 m) 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 (0.30 m), depth 90 ft (27 m), cased 0-70 ft (0-21 m), screened 70-90 ft (21-27 m).
DATUM.--Land surface, 283 ft (86 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.01-m) plug in north side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Well commonly flows in the early spring.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.11 m) above land surface, Mar. 29, 1974; lowest, 9.48 ft (2.89 m) below land surface, Jan. 15, 1957.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 0.07 ft (0.02 m) above land surface.

362759090332401. Local number, 21N05E17ABB1.
LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.
Owner: D and E Farms.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 105 ft (32 m).
DATUM.--Land surface, 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft (3.33 m) below land surface, Apr. 4, 1973; lowest, 20.88 ft (6.36 m) below land surface, Mar. 11, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 14.28 ft (4.35 m) below land surface.

CLEVELAND COUNTY

335729092112002. Local number, 09S11W01DDA2.
LOCATION.--Lat 33°57'29", long 92°11'20", Hydrologic Unit 08040204, at Rison.
Owner: Town of Rison.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in (0.25-0.15 m), depth 550 ft (168 m), cased 0-500 ft (0-152 m), screened 500-550 ft (152-168 m).
DATUM.--Land surface, 266 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft (46.09 m) below land surface, May 13, 1966; lowest, 200.03 ft (60.97 m) below land surface, Nov. 28, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Oct. 25, 1979, 190.81 ft (58.16 m) below land surface, and Mar. 20, 1980, 196.39 ft (59.86 m) 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 (0.20-0.10 m), depth 451 ft (137 m), cased 0-431 ft (0-131 m), screened 431-451 ft (131-137 m).
DATUM.--Land surface, 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cap, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--October 1950, March 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.02 ft (60.97 m) below land surface, Oct. 12, 1950; lowest, 260.19 ft (79.31 m) below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Dec. 7, 1979, 246.39 ft (75.10 m) below land surface, and Mar. 19, 1980, 247.60 ft (75.47 m) below land surface.

331609093144902. Local number, 17S21W11DCC2.
LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, at Magnolia (city well No. 2).
Owner: City of Magnolia.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in (0.20 m), depth 428 ft (130 m), cased 0-365 ft (0-111 m), screened 365-425 ft (111-130 m).
DATUM.--Land surface, 303 ft (92 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTRMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft (72.58 m) below land surface, Apr. 29, 1953; lowest, 354.39 ft (108.02 m) below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Dec. 7, 1979, 326.38 ft (99.48 m) below land surface, and Mar. 19, 1980, 332.18 ft (101.25 m) below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in (0.30 m), depth 120 ft (37 m), screened 100-120 ft (30-37 m).
DATUM.--Land surface, 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
REMARKS.--Well in vicinity of heavy seasonal irrigation pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.20 ft (15.30 m) below land surface, June 19, 1957; lowest, 76.72 ft (23.38 m) below land surface, Sept. 10, 1980.

354246090503801--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.31	73.01	72.48	---			---	72.00	72.62	73.11	75.14	76.49
10	73.31	73.13	72.69	72.40			---	71.87	73.02	73.70	75.30	76.64
15	73.21	72.92	---	72.47			72.19	72.05	73.25	74.07	75.53	76.20
20	73.12	72.94	---	72.68			72.16	71.98	73.36	74.32	75.72	76.07
25	73.13	72.66	---	72.27			72.00	71.98	73.14	74.53	75.98	76.09
EOM	73.02	72.90	---	---			72.00	72.05	73.08	74.83	76.24	75.96

WTR YR 1980 MAX 71.76 MAY 10, 1980 MIN 76.72 SEPT. 10, 1980

354921090281201. Local number, 14N06E20CCD1.
LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.
Owner: Harley Box.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in (0.20-0.15 m), depth 150 ft (46 m), casing, slotted, 125-150 ft (38-46 m).
DATUM.--Land surface, 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. south side, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.18 m) below land surface, Apr. 9, 1973; lowest, 5.79 ft (1.76 m) below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 4.10 ft (1.25 m) below land surface.

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.
Owner: Town of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in (0.41 m), depth 147 ft (45 m), cased 0-97 ft (0-30 m), screened 97-127 ft (30-39 m), cased 127-147 ft (39-45 m).
DATUM.--Land surface, 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records available: December 1976.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft (2.16 m) below land surface, Apr. 9, 1973; lowest, 11.72 ft (3.57 m) below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 9.63 ft (2.94 m) below land surface.

CRITTENDEN COUNTY

351043090235901. Local number, 07N07E31CCC1.
LOCATION.--Lat 35°10'43", long 90°23'59", Hydrologic Unit 08020203, near Lansing.
Owner: John McKnight.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in (0.41 m), depth 98 ft (30 m).
DATUM.--Land surface, 207 ft (63 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--March 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft (3.75 m) below land surface, May 17, 1958; lowest, 19.37 ft (5.90 m) below land surface, Sept. 2, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 16.54 ft (5.04 m) below land surface.

350843090105901. Local number, 06N09E18BBB1.
LOCATION.--Lat 35°08'43", long 90°10'59", Hydrologic Unit 08020203.
Owner: City of West Memphis.
AQUIFER.--Sand, Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (0.25 m), depth 1,504 ft (458 m), cased 0-1,444 ft (0-440 m), screened 1,444-1,504 ft (440-458 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: At brass plug in pump base, 3.85 ft (1.17 m) above land surface.
REMARKS.--Water-quality records available for city well No. 5: December 1976.
PERIOD OF RECORD.--March 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.75 ft (9.98 m) below land surface, Apr. 8, 1975; lowest, 60.75 ft (18.52 m) below land surface, Mar. 13, 1979.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 27, 1980, 58.53 ft (17.84 m) below land surface.

CROSS COUNTY

351542090332002. Local number, 07N05E03BCD2.
LOCATION.--Lat 35°15'42", long 90°33'20", Hydrologic Unit 08020203.
Owner: Parkin Water Company.
AQUIFER.--Sand, Memphis Aquifer of Eocene age.
DATUM.--Land surface, 211 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe south side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records available: For city well 07N05E04ADB1: December 1976.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft (7.62 m) below land surface, Mar. 26, 1974; lowest, 29.65 ft (9.04 m) below land surface, Mar. 29, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 27.58 ft (8.41 m) below land surface.

352231090421501. Local number, 09N04E30DCA1.
LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.
Owner: Vanndale-Birdeye Water Association.
AQUIFER.--Sand, Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (0.25 m), depth 1,148 ft (350 m), cased 0-1,038 ft (0-316 m), screened 1,038-1,148 ft (316-350 m).
DATUM.--Land surface, 429 ft (131 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (0.03-m) pipe in pump base, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records available: December 1976.
PERIOD OF RECORD.--July 26, 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 240.47 ft (73.30 m) below land surface, Mar. 22, 1976; lowest, 249.10 ft (75.93 m) below land surface, Apr. 19, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 249.10 ft (75.93 m) below land surface.

351326090473603. Local number, 07N03E16CCC3.
LOCATION.--Lat 35°13'26", long 90°47'36", Hydrologic Unit 08020205, at Wynne (city well No. 3).
Owner: City of Wynne.
AQUIFER.--Sand, Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (0.41-0.25 m), depth 800 ft (244 m), cased 730 ft (223 m), screened 730-800 ft (223-244 m).
DATUM.--Land surface, 253 ft (77 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft (0.91 m) above land surface.
REMARKS.--Well is infrequently pumped.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.02 ft (21.04 m) below land surface, Apr. 4, 1968; lowest 83.20 ft (25.36 m) below land surface, Mar. 13, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 83.20 ft (25.36 m) below land surface.

351456090423201. Local number, 07N04E07ABC1.
LOCATION.--Lat 35°14'56", long 90°42'32", Hydrologic Unit 08020203, near Princedale.
Owner: J. E. Hollan, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (0.41 m), depth 196 ft (60 m).
DATUM.--Land surface, 222 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft (0.58 m) above land surface.
PERIOD OF RECORD.--February 1955, February 1961-62, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.68 ft (11.79 m) below land surface, Sept. 16, 1975; lowest, 46.94 ft (14.31 m) below land surface, Jan. 14, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 42.50 ft (12.95 m) below land surface.

352204091000201. Local number, 09N01E33BBA1.
LOCATION.--Lat 35°22'04", long 91°00'02", Hydrologic Unit 08020205, near Hickory Ridge.
Owner: H. H. Holleman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-8 in (0.30-0.20 m).
DATUM.--Land surface, 225 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft (0.27 m) above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to April 1974, March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft (10.64 m) below land surface, June 19, 1957; lowest, 54.03 ft (16.47 m) below land surface, Mar. 28, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 52.94 ft (16.14 m) below land surface.

DALLAS COUNTY

334830092245702. Local number, 10S13W34ACA2.
LOCATION.--Lat 33°48'30", long 92°24'57", Hydrologic Unit 08040201, at Fordyce.
Owner: Fordyce Water Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 10-8 in (0.25-0.20 m), depth 888 ft (271 m).
DATUM.--Land surface, 272 ft (83 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--October 1949 to May 1950, June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.81 ft (29.81 m) below land surface, May 8, 1950; lowest, 137.74 ft (41.98 m) below land surface, Nov. 27, 1979.
MEASUREMENT FOR CURRENT YEAR.--Nov. 27, 1979, 137.74 ft (41.98 m) below land surface, and Mar. 18, 1980, 136.79 ft (41.69 m) below land surface.

DESHA COUNTY

334615091170501. Local number, 11S02W03CCA1.
LOCATION.--Lat 33°46'15", long 91°17'05", Hydrologic Unit 08050002, near Rohwer.
Owner: R. A. Adcock.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 754 ft (230 m), cased 0-679 ft (0-207 m), screened 679-754 ft (207-230 m).
DATUM.--Land surface, 139 ft (42 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--July 1952, December 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft (2.59 m) below land surface, July 27, 1952; lowest, 45.10 ft (13.75 m) below land surface, Mar. 18, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1980, 45.10 ft (13.75 m) below land surface.

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: George H. Smith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 5-2 in (0.13-0.05 m), depth 97 ft (30 m), cased 0-94 ft (0-29 m), screened 94-97 ft (29-30 m).
DATUM.--Land surface, 149.27 ft (45.50 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft (0.52 m) above land surface.
REMARKS.--Water level fluctuates largely with stage of Arkansas River.
PERIOD OF RECORD.--October 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft (0.90 m) below land surface, Feb. 17, 1959; lowest, 20.12 ft (6.13 m) below land surface, Aug. 7, 1965.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.23	13.94	12.10	11.58	10.92	10.73	9.16	9.20	9.36	11.19	13.20	15.25
10	14.61	13.53	12.20	11.60	10.69	10.67	9.30	9.29	9.84	11.48	13.52	15.47
15	14.53	13.33	12.07	11.55	10.47	10.40	9.18	9.40	10.24	11.85	13.86	15.65
20	14.43	13.25	11.88	11.50	10.37	9.68	9.13	9.02	10.63	12.21	14.20	15.79
25	14.35	12.23	11.74	10.94	10.53	9.38	9.11	8.75	10.92	12.53	14.54	15.92
EOM	14.16	12.07	11.58	10.98	10.64	9.14	9.12	8.91	11.05	12.89	14.95	16.00

WTR YR 1980 MAX 8.73 MAY 26, 1980 MIN 16.01 SEPT. 30, 1980

335811091325601. Local number, 09S04W06BBC1.
LOCATION.--Lat 33°58'11", long 91°32'56", Hydrologic Unit 08050001, near Gould.
Owner: Holthoff Brothers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 102 ft (31 m), screened 70-102 ft (21-31 m).
DATUM.--Land surface, 161.75 ft (49.30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--August 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft (0.27 m) below land surface, May 8, 1958; lowest, 14.83 ft (4.52 m) below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1980, 10.11 ft (3.08 m) below land surface.

DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in (0.46-0.20 m), depth 760 ft (232 m), cased 0-680 ft (0-207 m), screened 680-760 ft (207-232 m).
DATUM.--Land surface, 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.03 ft (8.85 m) below land surface, June 12, 1962; lowest, 47.60 ft (14.51 m) below land surface, May 21, 1980.
MEASUREMENT FOR CURRENT YEAR.--May 21, 1980, 47.60 ft (14.51 m) below land surface.

334545091383701. Local number, 11S05W08CCC1.
LOCATION.--Lat 33°45'45", long 91°38'37", Hydrologic Unit 08040205, near Florence.
Owner: J. E. Holloway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 153 ft (47 m), cased 0-93 ft (0-28 m), screened 93-153 ft (28-47 m).
DATUM.--Land surface, 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in pump, south side, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--January 1965 to March 1968, March 1970 to March 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.47 ft (8.98 m) below land surface, May 6, 1965; lowest, 36.03 ft (10.98 m) below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1980, 32.20 ft (9.81 m) below land surface.

334601091412101. Local number, 11S06W11DBC1.
LOCATION.--Lat 33°46'01", long 91°41'21", Hydrologic Unit 08040205, near Florence.
Owner: James E. Henley, Jr.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 864 ft (263 m), cased 0-824 ft (0-251 m), screened 824-864 ft (251-263 m).
DATUM.--Land surface, 203 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1953 available in files of district office.
PERIOD OF RECORD.--March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.10 ft (28.07 m) below land surface, March 27, 1964; lowest, 125.86 ft (38.36 m) below land surface, Mar. 19, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1980, 125.86 ft (38.36 m) below land surface.

362207091492401. Local number, 20N08W27ABD1.
LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 1,282 ft (391 m).
DATUM.--Land surface, 660 ft (201 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft (0.68 m) below land surface, Apr. 18, 1979; lowest, 50.73 ft (15.46 m) below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1980, 8.14 ft (2.48 m) below land surface.

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203.
Owner: City of Paragould.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in (0.51 m), depth 507 ft (155 m), screened 467-507 ft (142-155 m).
DATUM.--Land surface, 285 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records available: December 1976.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft (22.33 m) below land surface, Apr. 13, 1967; lowest, 98.70 ft (30.08 m) below land surface, Mar. 27, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 98.70 ft (30.08 m) below land surface.

360219090262501. Local number, 16N06E03CCC1.
LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.
Owner: Otis Williams.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 194 ft (59 m).
DATUM.--Land surface, 255 ft (78 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft (5.55 m) below land surface, Mar. 10, 1958; lowest, 40.01 ft (12.20 m) below land surface, July 22, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 28.68 ft (8.74 m) below land surface.

HEMPSTEAD COUNTY

334345093373701. Local number, 12S24W06CDC1.
LOCATION.--Lat 33°43'45", long 93°37'37", Hydrologic Unit 11140201, at Hope (city well No. 5).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (0.30 m), depth 1,156 ft (352 m).
DATUM.--Land surface, 355 ft (108 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records available: January 1977.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft (29.57 m) below land surface, Apr. 14, 1972; lowest, 189.49 ft (57.76 m) below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 183.81 ft (56.03 m) 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 (0.30 m), depth 1,200 ft (366 m).
DATUM.--Land surface, 355 ft (108 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (0.05-m) pipe in south side of concrete base, 0.80 ft (0.24 m) above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft (24.21 m) below land surface, Apr. 5, 1971; lowest, 200.45 ft (61.10 m) below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 189.47 ft (57.75 m) below land surface.

JACKSON COUNTY

353323091213701. Local number, 11N03W30CBA1.
LOCATION.--Lat 35°33'23", long 91°21'37", Hydrologic Unit 11010013, near Olyphant.
Owner: R. D. Wilmans, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 14 in (0.36 m), depth 90 ft (27 m), cased 0-60 ft (0-18 m), screened 60-90 ft (18-27 m).
DATUM.--Land surface, 223 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of casing, at land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.54 ft (3.21 m) below land surface, Mar. 20, 1979; lowest, 28.25 ft (8.61 m) below land surface, Sept. 21, 1959.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 17.60 ft (5.36 m) below land surface.

340901091564601. Local number, 07S08W06BAA1.
LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.
Owner: W. K. Shell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in (0.41-0.20 m), depth 160 ft (49 m), cased 0-120 ft (0-37 m), screened 120-160 ft (37-49 m).
DATUM.--Land surface, 202.31 ft (61.66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in (0.04-m) pipe on south side of pump base, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft (2.40 m) below land surface, Apr. 5, 1962; lowest, 21.09 ft (6.43 m) below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1980, 10.00 ft (3.05 m) below land surface.

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38",long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 1,106 ft (337 m), cased 0-1,017 ft (0-310 m), 1,033-1,053 ft (315-321 m), 1,068-1,090 ft (326-332 m), screened 1,017-1,033 ft (310 -315 m), 1,053-1,068 ft (321-326 m), 1,090-1,106 ft (332-337 m).
DATUM.--Land surface, 202.42 ft (61.70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft (33.22 m) below land surface, Sept. 4, 1958; lowest, 239.44 ft (72.98 m) below land surface, Aug. 25, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 24	231.94	Jan. 31	231.13	Mar. 21	236.33	June 25	233.70	Aug. 25	239.44
Nov. 26	229.56	Feb. 25	234.77	May 23	233.65	July 23	235.28	Sept. 25	238.90
Dec. 26	225.64								

341151092022101. Local number, 06S09W17CCA1.
LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in (0.10-0.05 m), depth 906 ft (276 m).
DATUM.--Land surface, 234.34 ft (71.43 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.36 ft (24.49 m) below land surface, Oct. 17, 1956; lowest, 255.38 ft (77.84 m) below land surface, Mar. 29, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 253.69 ft (77.32 m) below land surface.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 809 ft (247 m).
DATUM.--Land surface, 204.67 ft (62.38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.91 m) above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft (16.68 m) below land surface, May 23, 1957; lowest, 265.19 ft (80.83 m) below land surface, Apr. 7, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 7, 1980, 265.19 ft (80.83 m) below land surface.

342116091474501. Local number, 04S07W17CCB1.
LOCATION.--Lat 34°21'16", long 91°47'45", Hydrologic Unit 08020401, near Wabbaseka.
Owner: Frank Ragland.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in (0.46-0.30 m), depth 101 ft (31 m), cased 0-71 ft (0-22 m), screened 71-101 ft (22-31 m).
DATUM.--Land surface, 203 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 7.00 ft (2.13 m) above land surface.
PERIOD OF RECORD.--October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.05 ft (3.67 m) below land surface, Feb. 27, 1952; lowest, 34.83 ft (10.62 m) below land surface, Aug. 29, 1956.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1980, 32.54 ft (9.92 m) below land surface.

LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.
LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.
Owner: Earl Stanley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in (0.41-0.30 m), depth 63 ft (19 m), cased 0-43 ft (0-13 m), screened 43-63 ft (13-19 m).
DATUM.--Land surface, 212 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft (1.38 m) below land surface, Apr. 1, 1959; lowest, 17.67 ft (5.39 m) below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 18, 1980, 14.29 ft (4.36 m) below land surface.

332145093280402. Local number, 16S23W10DCA2.
LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
Owner: Arkansas Power and Light Company.
AQUIFER.--Cane River Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (0.15 m) depth 355 ft (108 m).
DATUM.--Land surface, 293.50 ft (89.46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft (11.20 m) below land surface, Mar. 31, 1953; lowest, 88.90 ft (27.10 m) below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Nov. 5, 1979, 64.55 ft (19.67 m) below land surface, and Mar. 17, 1980, 75.79 ft (23.10 m) 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 (0.15-0.08 m), depth 1,885 ft (575 m), cased 0-1,865 ft (0-568 m), screened 1,865-1,885 ft (568-575 m).
DATUM.--Land surface, 204 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.01-m) plug in pipe cap, 3.50 ft (1.07 m) above land surface.
REMARKS.--Water-quality records for 1964 available in files of district office.
PERIOD OF RECORD.--September 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.64 ft (2.94 m) below land surface, Apr. 10, 1967; lowest, 23.47 ft (7.15 m) below land surface, Mar. 21, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 23.47 ft (7.15 m) below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in (0.61-0.30 m), depth 168 ft (51 m).
DATUM.--Land surface, 236.43 ft (72.06 m) National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft (9.50 m) below land surface, Apr. 17, 1961; lowest, 49.67 ft (15.14 m) below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1980, 35.00 ft (10.67 m) below land surface.

LITTLE RIVER COUNTY

333951094071501. Local number, 13S29W05ABC1.
LOCATION.--Lat 33°39'51", long 94°07'15", Hydrologic Unit 11140109, near Ashdown.
Owner: Diggs and Hagan.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-8 in (0.46-0.20 m), depth 98 ft (30 m), cased 0-58 ft (0-18 m), screened 58-98 ft (18-30 m).
DATUM.--Land surface, 328 ft (100 m) National Geodetic Vertical Datum of 1929. Measuring point: End of discharge pipe, 6.50 ft (1.98 m) above land surface.
PERIOD OF RECORD.--March 1957 to March 1968, April 1971 to April 1973, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft (0.17 m) below land surface, Dec. 2, 1958; lowest, 48.16 ft (14.68 m) below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1980, 24.98 ft (7.61 m) below land surface.

LONOKE COUNTY

344607091543401. Local number, 02N08W30CAB1.
LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
Owner: State Game and Fish Commission.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in (0.46 m), depth 135 ft (41 m).
DATUM.--Land surface, 245 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--September 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft (25.80 m) below land surface, Mar. 24, 1969; lowest, 108.41 ft (33.04 m) below land surface, Sept. 9-10, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	103.88	---	102.12	102.30	101.91	101.63	102.57	102.77	102.87	104.58	106.17	108.37
10	103.83	---	102.43	102.20	101.82	102.05	102.10	102.45	102.61	104.54	106.06	108.39
15	103.75	---	102.45	102.20	101.53	102.93	102.49	102.59	102.50	104.98	106.69	108.02
20	103.25	---	102.30	102.50	101.26	102.70	102.84	102.49	102.80	105.45	107.21	107.73
25	103.36	---	102.24	101.79	102.06	103.15	102.68	102.07	102.90	105.85	107.58	107.47
EOM	102.92	102.76	102.05	102.61	101.85	102.63	103.21	102.59	103.77	106.00	108.13	106.95

WTR YR 1980 MAX 101.13 FEB. 19, 1980 MIN 108.41 SEPT. 9, 10, 1980

344955091565301. Local number, 02N09W02BCB1.
LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoke.
Owner: Joe Bob Gotcher.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in (0.61 m), depth 128 ft (39 m).
DATUM.--Land surface, 255 ft (78 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.
PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft (14.55 m) below land surface, Mar. 28, 1937; lowest, 98.25 ft (29.95 m) below land surface, Aug. 28, 1978.
MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1980, 91.89 ft (28.01 m) below land surface.

MILLER COUNTY

332441093461401. Local number, 15S26W34AAA1.
LOCATION.--Lat 33°24'41", long 93°46'14", Hydrologic Unit 11140201, near Garland on U.S. Highway No. 82.
Owner: Harold E. Beck.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (0.25 m), depth 41 ft (12 m).
DATUM.--Land surface, 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--November 1960, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.25 ft (0.08 m) below land surface, August 21, 1970; lowest, 13.98 ft (4.26 m) below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Oct. 16, 1979, 12.18 ft (3.71 m) below land surface, and Mar. 17, 1980, 6.52 ft (1.99 m) below land surface.

MISSISSIPPI COUNTY

353213090072701. Local number, 11N09E34BBB1.
LOCATION.--Lat 35°32'13", long 90°07'27", Hydrologic Unit 08020203, near Bassett.
Owner: Crain Company.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 94 ft (29 m), cased 0-84 ft (0-26 m), screened 84-94 ft (26-29 m).
DATUM.--Land surface, 235 ft (71 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.48 ft (1.98 m) below land surface, May 14, 1958; lowest, 13.66 ft (4.16 m) below land surface, Nov. 17, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 10.85 ft (3.31 m) below land surface.

355024090034601. Local number, 14N10E18ABC1.
LOCATION.--Lat 35°50'24", long 90°03'46", Hydrologic Unit 08020203, near Dell.
Owner: R. A. Greenway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in (0.41 m), depth 101 ft (31 m), cased 0-51 ft (0-16 m), screened 51-101 ft (16-31 m).
DATUM.--Land surface, 236 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land surface.
REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 4.90 ft (1.49 m) below land surface, Dec. 11, 1957; lowest, 15.86 ft (4.83 m) below land surface, Nov. 18, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 10.38 ft (3.16 m) below land surface.

355607090152601. Local number, 15N08E08DBC1.
LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
Owner: City of Leachville.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in (0.25-0.15 m), depth 1,083 ft (330 m), cased 0-1,000 ft (0-305 m), screened 1,000-1,083 ft (305-330 m).
DATUM.--Land surface, 236 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1956 in files of district office.
PERIOD OF RECORD.--November 1958, March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.88 m) below land surface, Nov. 5, 1958; lowest, 10.18 ft (3.10 m) below land surface, June 10, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 8.80 ft (2.68 m) below land surface.

MONROE COUNTY

344135091165101. Local number, 01N03W24BBB1.
LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.
Owner: B. B. Bateman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in (0.36-0.15 m), depth 108 ft (33 m).
DATUM.--Land surface, 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957, February 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.30 m) below land surface, Apr. 16, 1962; lowest, 24.60 ft (7.50 m) below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1980, 21.09 ft (6.43 m) below land surface.

334757093231501. Local number, 11S22W08DAC1.
LOCATION.--Lat 33°47'57", long 93°23'15", Hydrologic Unit 08040103, at Prescott (city well No. 1).
Owner: City of Prescott.
AQUIFER.--Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 11-6 in (0.28-0.15 m), depth 1,052 ft (321 m), cased 0-1,002 ft (0-305 m), screened 1,002-1,052 ft (305-321 m).
DATUM.--Land surface, 305 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (0.05-m) plug in concrete base, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--February 1970 to current year.
EXTREMES FOR PERIOD OF REORD.--Highest water level measured, 94.05 ft (28.67 m) below land surface, Mar. 23, 1972; lowest, 159.69 ft (48.67 m) below land surface, Mar. 27, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 159.69 ft (48.67 m) below land surface.

334759093231301. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in (0.41-0.30 m), depth 232 ft (71 m), cased 0-172 ft (0-52 m), screened 172-232 ft (52-71 m).
DATUM.--Land surface, 306 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (0.03-m) pipe on northeast side of concrete base, 1.70 ft (0.52 m) above land surface.
PERIOD OF RECORD.--May 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.79 ft (31.03 m) below land surface, Mar. 27, 1980; lowest, 138.42 ft (42.19 m) below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1980, 101.79 ft (31.03 m) below land surface.

OUACHITA COUNTY

334018092594801. Local number, 12S18W19CDC1.
LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
Owner: U.S. Geological Survey.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 120 ft (37 m), cased 0-117 ft (0-36 m), screened 117-120 ft (36-37 m).
DATUM.--Land surface, 235 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft (1.10 m) above land surface.
REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft (13.02 m) below land surface, Mar. 31, 1975; lowest, 53.20 ft (16.22 m) below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Nov. 7, 1979, 47.10 ft (14.36 m) below land surface, and Mar. 21, 1980, 44.40 ft (13.53 m) below land surface.

334215092413201. Local number, 12S16W12ADB1.
LOCATION.--Lat 33°42'15", long 92°41'32', Hydrologic Unit 08040102, near Eagle Mills.
Owner: J. S. J. Lyle Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (0.30 m), depth 300 ft (91 m).
DATUM.--Land surface, 159 ft (48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft (6.24 m) below land surface, May 15, 1962; lowest, 30.27 ft (9.23 m) below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Nov. 9, 1979, 24.29 ft (7.40 m) below land surface, and Mar. 21, 1980, 22.92 ft (6.99 m) below land surface.

PHILLIPS COUNTY

341534090563001. Local number, 05S02E18BDA1.
LOCATION.--Lat 34°15'34", long 90°56'30", Hydrolgic Unit 08020303, near Ratio.
Owner: Brooks Griffith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 130 ft (40 m).
DATUM.--Land surface, 156 ft (48 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft (2.44 m) below land surface, Apr. 17, 1961; lowest, 22.53 ft (6.87 m) below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1980, 10.93 ft (3.33 m) below land surface.

342856090363601. Local number, 02S05E29CCC1.
LOCATION.--Lat 34°28'56", long 90°36'36", Hydrologic Unit 08020303, near Helena.
Owner: Gardinier-Big River Inc.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 308 ft (94 m), cased 0-278 ft (0-85 m), screened 278-308 ft (85-94 m).
DATUM.--Land surface, 179 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1970 and 1975 available in files of district office.
PERIOD OF RECORD.--February 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.52 ft (11.74 m) below land surface, Apr. 20, 1978; lowest, 98.13 ft (29.91 m) below land surface, July 13, 1969.

342856090363601--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.64	52.65	49.94	51.86	---	58.08	53.49	55.33	57.31	58.26	---	58.50
10	54.87	51.60	50.45	52.89	---	55.12	52.30	52.04	57.32	41.07	---	58.47
15	53.51	49.67	51.33	44.45	55.20	52.27	51.39	54.74	54.35	35.92	---	58.06
20	52.84	52.26	52.10	---	55.23	52.27	53.10	54.32	56.33	40.14	---	57.20
25	52.72	50.53	52.08	---	54.73	52.74	52.90	54.79	57.07	38.93	---	57.56
EOM	52.87	50.17	51.64	---	54.75	52.02	51.30	55.74	57.44	---	59.02	46.68

WTR YR 1980 MAX 34.45 JULY 18, 1980 MIN 60.03 SEPT. 1, 1980

343108090462601. Local number, 02S03E15ACD1.
LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.
Owner: Don R. Dearing.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (0.46 m), depth 112 ft (34 m).
DATUM.--Land surface, 147 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--March 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft (1.41 m) below land surface, Apr. 25, 1973; lowest, 16.76 ft (5.11 m) below land surface, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.90	13.44	10.56	9.96	9.53	11.19	8.17	9.58	12.02	14.89	14.43	15.87
10	13.13	13.42	10.93	10.26	9.11	11.15	8.62	10.39	14.04	15.28	14.90	14.99
15	13.33	13.40	9.65	9.34	9.20	10.83	7.03	9.55	14.77	15.49	15.39	14.63
20	13.46	13.49	9.94	9.50	9.86	7.49	7.66	9.15	15.46	15.13	16.26	14.52
25	13.54	11.14	9.35	8.66	10.75	7.06	8.23	9.24	13.23	13.27	15.52	14.56
EOM	13.54	10.99	9.44	9.36	10.92	7.24	8.80	10.54	11.64	14.19	15.33	14.31

WTR YR 1980 MAX 6.81 MAR. 24, 1980 MIN 16.76 AUG. 28, 1980

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in (0.15 m), depth 302 ft (92 m), cased 0-260 ft (0-79 m), screened 260-302 ft (79-92 m).
DATUM.--Land surface, 232 ft (71 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft (0.55 m) above land surface.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft (15.00 m) below land surface, Apr. 8, 1968; lowest, 62.77 ft (19.13 m) below land surface, Mar. 16, 1979.
MEASUREMEMT FOR CURRENT YEAR.--Mar. 28, 1980, 61.95 ft (18.18 m) below land surface.

PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
Owner: Mike Prislovsky.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 632 ft (193 m), cased 0-545 ft (0-166 m), screened 545-632 ft (166-193 m).
DATUM.--Land surface, 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1937, April 1942, May 1947, October 1949 to current year.
EXTREMES FOR PEROD OF RECORD.--Highest water level measured, 50.43 ft (15.37 m) below land surface, Apr. 29, 1938; lowest 124.82 ft (38.05 m) below land surface, Mar. 13, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 124.80 ft (38.04 m) below land surface.

344644091382801. Local number, 02N06W21DAD1.
LOCATION.--Lat 34°46'44", long 91°38'28", Hydrologic Unit 08020303, near Carlisle.
Owner: E. O. Hansen, Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in (0.46-0.30 m), depth 314 ft (96 m), cased 0-254 ft (0-77 m), screened 254-314 ft (77-96 m).
DATUM.--Land surface, 235 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--July 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft (25.57 m) below land surface, Mar. 20, 1963; lowest, 114.67 ft (34.95 m) below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 99.40 ft (30.30 m) below land surface.

345843091344601. Local number, 04N05W07CDC1.
LOCATION.--Lat 34°58'43", long 91°34'46", Hydrologic Unit 08020301, near Des Arc.
Owner: Fred Rodgers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-12 in (0.46-0.30 m).
DATUM.--Land surface, 212 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft (14.55 m) below land surface, Apr. 2, 1968; lowest, 59.32 ft (18.08 m) below land surface, Sept. 26, 1961.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1980, 58.50 ft (17.83 m) below land surface.

ST. FRANCIS COUNTY

345848090521903. Local number, 04N02E03DDD3.
LOCATION.--Lat 34°58'48", long 90°52'19", Hydrologic Unit 08020205, near Palestine at Hamilton Moses Plant (plant well No. 3).
Owner: Arkansas Power and Light Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in (0.41 m), depth 151 ft (46 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft (0.91 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.23 ft (7.69 m) below land surface, June 29, 1961; lowest, 30.51 ft (9.30 m) below land surface, Sept. 15, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 29.28 ft (8.92 m) below land surface.

350029090265801. Local number, 05N06E34CAB1.
LOCATION.--Lat 35°00'29", long 90°26'58", Hydrologic Unit 08020203, near Greasy Corner.
Owner: C. D. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-10 in (0.30-0.25 m), depth 110 ft (34 m).
DATUM.--Land surface, 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft (0.52 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1955, February 1961, March 1962, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft (5.06 m) below land surface, Mar. 31, 1975; lowest, 26.13 ft (7.96 m) below land surface, Mar. 18, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1980, 21.84 ft (6.66 m) below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg.
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (0.30 m), depth 197 ft (60 m).
DATUM.--Land surface, 440 ft (134 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1977 are available in files of district office.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft (4.32 m) below land surface, Apr. 17, 1968; lowest, 81.76 ft (24.92 m) below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Apr. 1, 1980, 81.28 ft (24.77 m) below land surface.

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in (0.25-0.20 m), depth 601 ft (183 m), cased 0-546 ft (0-166 m), screened 546-601 ft (166-183 m).
DATUM.--Land surface, 175 ft (53 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (0.05-m) pipe, south side of pump base, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft (55.57 m) below land surface, Nov. 11, 1967; lowest, 213.58 ft (65.10 m) below land surface, Mar. 30, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Dec. 6, 1979, 209.12 ft (63.74 m) below land surface, and Mar. 20, 1980, 208.41 ft (63.52 m) below land surface.

330228092110101. Local number, 19S10W19CCB2.
LOCATION.--Lat 33°02'28", long 92°11'01", Hydrologic Unit 08040202, at Huttig.
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 770 ft (235 m), cased 0-700 ft (0-213 m), screened 700-770 ft (213-235 m).
DATUM.--Land surface, 100 ft (30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.35 ft (18.70 m) below land surface, May 10, 1966; lowest, 88.03 ft (26.83 m) below land surface, March 10, 1966.
MEASUREMENTS FOR CURRENT YEAR.--Dec. 6, 1979, 86.48 ft (26.36 m) below land surface, and Mar. 21, 1980, 87.77 ft (26.75 m) below land surface.

331358092424301. Local number, 17S16W24BAC1.
LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
Owner: City of El Dorado.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in (0.46-0.20 m), depth 615 ft (187 m), cased 0-493 ft (0-150 m), screened 493-615 ft (150-187 m).
DATUM.--Land surface, 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for 1972 and 1977 available in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft (103.42 m) below land surface, Apr. 10, 1973; lowest, 367.38 ft (111.98 m) below land surface, Mar. 21, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Nov. 20, 1979, 360.45 ft (109.87 m) below land surface, and Mar. 21, 1980, 367.38 ft (111.98 m) below land surface.

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 540 ft (165 m), cased 0-520 ft (0-158 m), screened 520-540 ft (158-165 m).
DATUM.-Land surface, 182.93 ft (55.76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft (82.20 m) below land surface, Apr. 20, 1956; lowest, 357.51 ft (108.97 m) below land surface, July 30, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	336.43	333.49	333.25	331.92	331.25	332.54	330.58	328.48	331.01	335.53	343.72	
10	336.43	333.45	333.04	331.55	331.64	332.42	330.59	329.12	331.86	337.17	343.72	
15	336.73	333.74	333.30	331.00	332.12	332.82	329.89	330.20	332.69	339.40	344.69	
20	336.49	334.06	333.57	330.85	332.04	332.75	330.31	330.54	333.27	342.83	345.83	
25	335.24	333.05	332.61	330.83	332.62	331.42	330.71	330.51	333.09	343.41	348.36	
EOM	333.79	333.22	332.27	330.95	332.80	330.15	329.72	330.46	333.20	343.73	350.76	

WTR YR 1980 MAX 328.39 MAY 5, 6, 1980 MIN 351.52 AUG. 31, 1980

330855092505601. Local number, 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'56", Hydrologic Unit 08040206, near Shuler.
Owner: H. G. McKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (0.25 m), depth 705 ft (215 m), cased 0-605 ft (0-184 m), screened 605-705 ft (184-215 m).
DATUM.--Land surface, 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.20 ft (0.37 m) above land surface.
REMARKS.--Unpublished water-level records available for 1968 to 1976 in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft (96.12 m) below land surface, Apr. 3, 1968; lowest, 339.93 ft (103.61 m) below land surface, Sept. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	336.95	336.39	336.27	336.00	335.99	336.03	335.99	336.39	337.00	338.05	339.24
10	337.06	336.80	336.53	336.16	335.92	335.99	335.93	335.98	336.48	337.13	338.21	339.40
15	337.09	336.89	336.43	336.14	335.92	336.13	335.84	336.03	336.58	337.28	338.41	339.47
20	336.99	336.76	336.37	336.16	335.77	335.94	335.86	336.13	336.64	337.43	338.62	339.60
25	336.99	336.42	336.30	335.86	336.05	336.03	335.75	336.09	336.70	337.64	338.84	339.80
EOM	336.80	336.59	336.26	336.14	335.94	335.93	335.85	336.31	336.86	337.84	339.01	339.73

WTR YR 1980 MAX 335.67 APR. 13, 25, 1980 MIN 339.93 SEPT. 27, 1980

WOODRUFF COUNTY

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (0.36 m), depth 110 ft (34 m), cased 0-80 ft (0-24 m), screened 80-110 ft (24-34 m).
DATUM.--Land surface, 212 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft (4.90 m) below land surface, Dec. 10, 1959; lowest, 22.94 ft (6.99 m) below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1980, 17.50 ft (5.33 m) below land surface.

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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