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Water Resources Data Arkansas Water Year 1996



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Prepared in cooperation with the State of Arkansas and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

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Water Resources Data Arkansas Water Year 1996

by J.E. Porter, D.A. Evans, and L.M. Remsing



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-96-1
Prepared in cooperation with the State of Arkansas and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

GEOLOGICAL SURVEY

Gordon P. Eaton, Director

For information on the water program in Arkansas write to
District Chief, Water Resources Division
U.S. Geological Survey
401 Hardin Road
Little Rock, Arkansas 72211

1997

PREFACE

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for ensuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines.

The data were collected, computed, and processed by the following personnel:

Trish Aldridge
Rick Bell
Troy "Bubba" Brossett
Mark Fredricks
Rene' Freret
Jaysson Funkhouser
Marsha Gipson
Tony Gipson
Alan Hall
Charles Heavener
Mike Hoggard
Jan Jones
Bob Joseph
Ron Knott
Dwight Lasker
Autry Meeker
Matt Moix
Chris O'Dell
Jim Petersen
Tom Porter
Phil Stephens
Sharon Touschner
Faron Usrey

This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of C. Shane Barks, Chief, Hydrologic Surveillance Unit, John E. Terry, Assistant District Chief for Hydrologic Information and Surveillance, and Robert A. (Bob) Lidwin, District Chief, Arkansas.

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Little Rock, Arkansas 72211

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The Water Resources Division of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Arkansas each year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State.

Water resources data reported for the 1996 water year for Arkansas consist of records of discharge and water quality (physical measurements and chemical concentrations) of streams; water quality of lakes; and ground-water levels and ground-water quality. Data from selected sites in Missouri and Oklahoma are also included. This report contains daily discharge records for 47 surface-water gaging stations and 1 daily sediment station; water quality for 69 surface-water stations, 17 ground-water quality wells and springs, 2 ground-water-level observation wells, and 1 precipitation-quality station. Also included are data for 95 peak-discharge partial-record stations and 10 stage-only stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with State and Federal agencies in Arkansas.

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[Letters after station name designate type of data: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (o) dissolved oxygen, (t) water temperature, (s) sediment.]

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INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with local, State, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Arkansas each water year (October 1 through September 30). These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, these data are published annually in this report series entitled "Water Resources Data-Arkansas" and are stored in the U.S. Geological Survey WATSTORE and U.S. Environmental Protection Agency STORET databases.

Water resources data reported for the 1996 water year for Arkansas consist of records of discharge and water quality (physical measurements and chemical concentrations) of streams; water quality of lakes; and ground-water levels and ground-water quality. Data from selected sites in Missouri and Oklahoma are also included. This report contains daily discharge records for 47 surface-water gaging stations and 1 daily sediment station; water quality for 69 surface-water stations, 17 ground-water quality wells and springs, 2 ground-water-level observation wells, and 1 precipitation-quality station. Also included are data for 95 peak-discharge partial-record stations and 10 stage-only 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.

Records of stream discharge or gage height, and contents, volume, or elevation of lakes were first published in a series of U.S. Geological Survey Water-Supply Papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these Water-Supply Papers were in an annual series and for 1961-65 and 1966-70 were in a 5-year series. Records of chemical constituent concentrations, 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 U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, Colorado, 80225-0286.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual Water-Data Reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate Water-Data Reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an annual Water-Data report on a State-boundary basis. These annual Water-Data 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-96-1. Water-Data Reports are for sale in paper copy or on microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

The Geological Survey and agencies of the State of Arkansas have had cooperative agreements for the systematic collection of surface-water records since 1927, and for collection of ground-water and water-quality records since 1946. Organizations that assisted in collecting information through cooperative agreement with the Geological Survey in water year 1996 are:

Arkansas Department of Pollution Control and Ecology, Randall Mathis, Director.
Arkansas Game and Fish Commission, Steve Wilson, Director.
Arkansas Geological Commission, William Bush, State Geologist.
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director.
Arkansas State Highway and Transportation Department, Maurice Smith, Director.
Arkansas Department of Parks and Tourism, Richard W. Davies, Director
City of Fort Smith, Steve Park, Director of Utilities
Little Rock Municipal Water Works, James T. Harvey, Manager

Assistance in the form of funds or services was provided by the U.S. Army Corps of Engineers, National Weather Service, National Park Service, Natural Resources Conservation Service, Southwest Power Administration, and Arkansas Power and Light Company in collecting records for some of the gaging stations and water-quality stations published in this report. Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Streamflow was below normal in the State for the 1996 water year. Runoff for the year at the index station on the Buffalo River near St. Joe, in northern Arkansas, was 91 percent of median for the base period 1961-90. Runoff at the index station on the Saline River near Rye, in southern Arkansas, was 31 percent of median for the base period 1961-90.

Below average rainfall resulted in below average runoff over the State during the year. However, a storm on September 26 produced seven to ten inches of rainfall in a short period of time in northwestern Arkansas. Mean flow of 2,025 ft^3/s for the month of September at Buffalo River near St. Joe was the highest for the period of record with a new daily maximum of 39,300 ft^3/s occurring September 27. This storm event was localized and no peak discharges exceeded the 10-year recurrence interval at gaging stations in the area.

Monthly and annual mean discharge for the 1996 water year, and the median for the monthly and annual mean discharges for the period 1961-90 at the St. Joe and Rye sites are shown on figure 1.

Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality that is suitable for many uses. Localized stream contamination occurs in some areas of agricultural-chemical use, near large urban areas, and near some industrial areas.

Both point and non-point sources of contamination adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The Mississippi Alluvial Plain in the State is particularly susceptible to non-point source effects because of extensive farming and current agricultural practices.

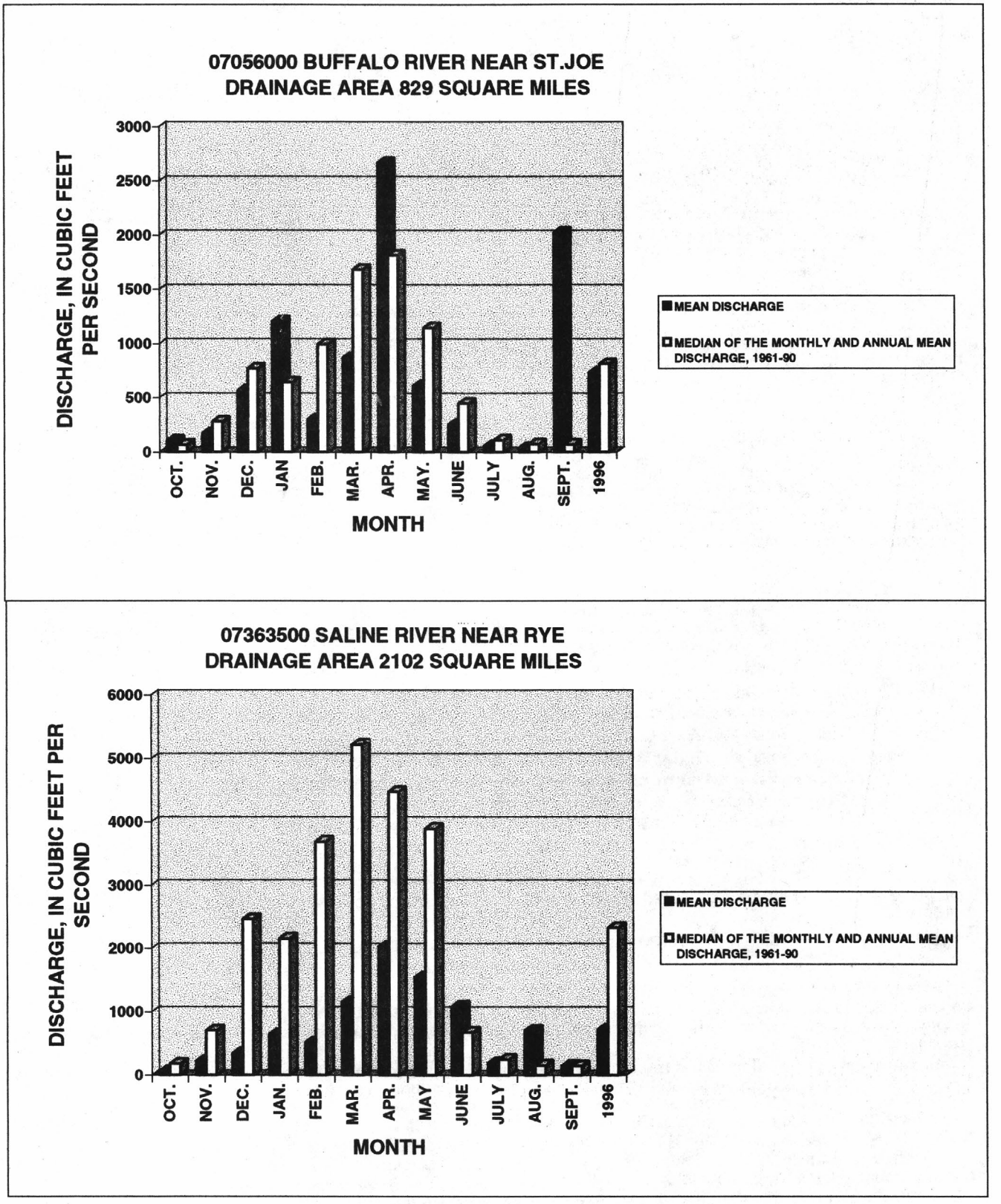


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1996 water year with the median of the monthly and annual mean discharges for a 30-year base period

In the Ozark Plateaus, which are experiencing rapid population growth, surface water locally is affected by both point and non-point sources of contamination. Principal point sources are wastewater-treatment plants. Principal non-point source contributions are related to animal farming practices. Watersheds where point and non-point source contamination is a major concern are the upper White River and Illinois River.

Streams in the West Gulf Coastal Plain of southern Arkansas locally are affected by point sources of contamination, many of which are related to oil and gas production.

Although the Arkansas River and other streams in the Arkansas Valley are affected locally by contaminant sources, they continue to be considered as a source of water for public supply and irrigation. Many of the small streams continue to show effects of coal mining. Municipal and industrial discharges to the Arkansas River may affect its potability, however, upgrading of sewage treatment plants, storage effects of the Arkansas River Navigation System, and tributary dams have moderated the effects of inflowing contaminants.

Concentrations of selected water-quality constituents are listed below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1996 water year are compared to concentrations for the period of record to indicate changes in water quality.

The highest suspended-sediment concentration found in the selected streams in 1996 was 597 mg/L in the Right Hand Chute of Little River at Rivervale. Suspended-sediment concentrations, in millligrams per liter, for selected stream sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
Right Hand Chute of Little River at Rivervale	31	597	25	1,070
L'Anguille River near Colt	44	285	4	2,410
Buffalo River near St. Joe	4	22	1	298
North Sylamore Creek near Fifty-Six	12	44	0	198
Arkansas River at David D. Terry Lock and Dam below Little Rock	22	110	2	4,140
Cossatot River near Vandervoort	11	14	0	29
Ouachita River at Camden	18	47	6	639
Red River at Index	77	579	16	8,200

The highest fecal-coliform bacteria density found in selected streams in 1996 was >2,000 colonies per 100 mL in L'Anguille River near Colt. Fecal-coliform bacteria densities in colonies per 100 mL, for selected stream sampling sites are presented below [K, Results based on colony count outside the acceptance range (non-ideal colony count)]

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	72	>2,000	K7	K6,800
Yocum Creek near Oak Grove	K9	K670	<1	K15,000
Buffalo River near St. Joe	K1	230	<1	5,300
North Sylamore Creek near Fifty-Six	<1	320	<1	1,400
Cossatot River near Vandervoort	180	180	<1	K210
Ouachita River at Camden	K6	K710	<1	1,300

The highest dissolved-solids concentration found in selected streams in 1996 was 523 mg/L in the Arkansas River at David D. Terry Lock and Dam, below Little Rock. Dissolved-solids concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	110	186	46	412
Yocum Creek near Oak Grove	166	208	146	208
Buffalo River near St. Joe	98	133	77	219
North Sylamore Creek near Fifty-Six	117	157	72	212
Arkansas River at David D. Terry Lock and Dam below Little Rock	158	523	85	674
Cossatot River near Vandervoort	24	35	5	60
Ouachita River at Camden	30	60	30	193

The highest dissolved chloride concentration found in selected streams in 1996 was 180 mg/L in the Arkansas River at David D. Terry Lock and Dam, below Little Rock. Dissolved chloride concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	8.9	21	1.9	47
Yocum Creek near Oak Grove	6.2	8.9	4.6	8.9
Buffalo River near St. Joe	1.6	2.5	1.0	31
North Sylamore Creek near Fifty-Six	1.2	3.0	.3	18
Arkansas River at David D. Terry Lock and Dam below Little Rock	27	180	11	230
Cossatot River near Vandervoort	1.6	1.9	.9	4.8
Ouachita River at Camden	2.9	7.3	2.1	79

The highest total nitrite plus nitrate as nitrogen concentration found in selected streams in 1996 was 4.6 mg/L in Yocum Creek near Oak Grove. Total nitrite plus nitrate as nitrogen concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	.27	.91	0.03	3.4
Yocum Creek near Oak Grove	2.1	4.6	1.8	4.6
Buffalo River near St. Joe	.07	.22	<.01	.58
North Sylamore Creek near Fifty-Six	.06	.11	.01	.73
Arkansas River at David D. Terry Lock and Dam below Little Rock	.08	.40	.01	.79
Cossatot River near Vandervoort	.13	.13	<.05	.13
Ouachita River at Camden	.02	.18	.02	1.0

The highest total phosphorus concentration found in selected streams in 1996 was 0.14 mg/L in the Arkansas River at David D. Terry Lock & Dam below Little Rock. Total phosphorus concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	--	--	0.03	1.1
Yocum Creek near Oak Grove	.01	.07	<.01	.45
Buffalo River near St. Joe	<.01	.02	<.01	.37
North Sylamore Creek near Fifty-Six	<.01	<.01	<.01	.34
Arkansas River at David D. Terry Lock and Dam below Little Rock	.03	.14	<.01	.61
Cossatot River near Vandervoort	<.01	<.01	<.01	.16
Ouachita River at Camden	<.02	.05	<.01	.31

Ground-Water Levels

A majority of the ground-water consumption in Arkansas is from two major aquifers; the Mississippi River Valley alluvial aquifer, hereafter referred to as the alluvial aquifer, and the Sparta-Memphis aquifer. The alluvial aquifer occurs within the Quaternary deposits of the Mississippi Alluvial Plain, which covers approximately the eastern one-third of the State, and is the most productive aquifer within Arkansas. The Sparta-Memphis aquifer occurs within the Sparta and Memphis Sands of the Claiborne Group of Eocene age and is the second most productive aquifer within the State. The Sparta-Memphis aquifer underlies the alluvial aquifer within the Mississippi Alluvial Plain and extends into the West Gulf Coastal Plain in the south-central part of the State. The alluvial aquifer provides a majority of Arkansas' ground-water used for irrigation and fish farming; whereas the Sparta-Memphis aquifer provides most of the ground water for industry and public supply.

The regional potentiometric gradient in the alluvial aquifer is toward the south and southeast from an altitude of approximately 280 feet above sea level in the northeastern part of the State to about 80 feet in the southern part. The natural gradient of the water surface has been interrupted at two locations where large withdrawals for irrigation have created cones of depression. The first cone of depression has become elongated along a northwest to southeast axis, and is located in parts of Lonoke, Prairie, and Arkansas Counties; while the second cone has developed west of Crowleys Ridge in Craighead, Cross, and Poinsett Counties. The deepest water-level measurement in the alluvial aquifer during the spring of 1995 was 125.1 feet below land surface, which occurred in Lonoke County.

The regional potentiometric gradient of the Sparta-Memphis aquifer generally is southeastward except where affected by large withdrawals. Three cones of depression, centered in Columbia, Union, and Jefferson Counties, have developed because of relatively large withdrawals for industrial and public supplies in those areas. Additional large withdrawals in the Grand Prairie region for irrigation have resulted in a northeasterly elongation of the cone centered under Jefferson County. At the center of the cones, spring water levels range from about 290 feet to more than 475 feet below land surface. The deepest water-level measurement in the Sparta-Memphis aquifer during the spring and summer of 1995 was 485.2 feet below land surface, which occurred in Union County.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch/pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

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

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

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

Escherichia coli (*E. coli*) also are present in the digestive tract of warm-blooded animals. In the laboratory, *E. coli* is defined as all organisms that produce orange/yellow when incubated for two hours at 35°C ± 0.2°C and transferred to 44.5° ±0.2° for 22-24 hours on mTEC agar (nutrient medium for *E. coli* growth), and strained with phenol red solution. 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 fecal coliform bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria also are present in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, 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 fecal streptococcal bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Base flow is the stream flow sustained by ground-water discharge.

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

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.

Cells/volume refers to the number of cells of any organism, which are counted by using a microscope and grided counting cell. Many planktonic organisms are multicelled and are counted according to the number of cells contained per volume, 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, and approximately equal to 1.98 acre-ft, 646,000 gallons, or 2,450 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 photosynthetic pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

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

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

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

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

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

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

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

Daily mean discharge is the arithmetic mean of the individual increments of discharge in a day.

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

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (The value should not be confused with the 7-day 10-year low-flow statistic.)

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 below. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture.

Table 1.--Chemical constituents conversion factors from 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
Fluoride (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.

Nanograms per liter (ng/L) is a unit expressing the concentration of a chemical element as the mass (nanograms) of solute per unit volume (liter) of water. One thousand nanograms per liter is equivalent to 1 microgram per liter.

National Geodetic Vertical Datum of 1929 (NGVD) 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/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

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

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

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

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

Classification	Size (mm)			Method of analyses
Clay	0.00035	-	0.004	Sedimentation.
Silt	.004	-	.062	Sedimentation.
Sand	.062	-	2.0	Sedimentation or sieve.
Gravel	2.0	-	64.0	Sieve.

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

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

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 d/min. (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the lakes and rivers.

Phytoplankton form the plant part of the plankton. They generally are microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

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

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

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

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

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

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

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

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

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

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.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specific period.

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

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

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

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

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

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the

areas are computed from the best maps available at the time they are planimetered. All areas shown are those for the stage when the map was planimetered.

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

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

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

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

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

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

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

WRD is used as an abbreviation of "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

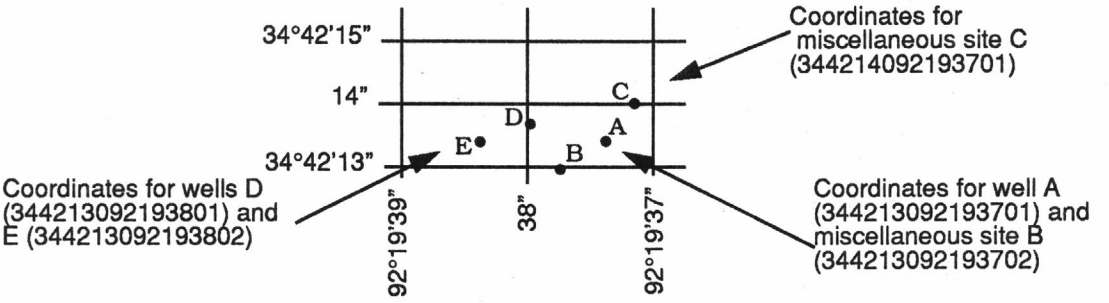
Since October 1, 1950, the order of listing hydrologic-station records in Geological Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between 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 as described in the paragraph above. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The downstream order number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit Part number "07" plus the six-digit downstream-order number "060710." This six-digit number can be expanded to 12 digits if necessary because of station density.

NUMBERING SYSTEM FOR WELLS

The well 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 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 well within a 1-second grid. See diagram below.



SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NO_x scheduled to begin in 2000). Data from the network, as well as information about individual sites, are available through the world wide web at:

http://nadp.nrel.colostate.edu/NADP

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents are being measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales is providing information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet annually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

In Arkansas, the Ozark Plateaus NAWQA study began in 1991 and sampled ground and surface water and aquatic biology intensively from 1993-95. The low intensity phase began in 1996 and fewer streams and wells were sampled. Included in this report are approximately monthly water quality and daily mean discharge for two surface-water stations (Yocum Creek near Oak Grove and North Sylamore Creek near Fifty-Six) quarterly water quality and instantaneous or daily mean discharge for two surface-water stations (Buffalo River near Boxley and Buffalo River near St. Joe) , and one water quality sample for a large spring in northwestern Arkansas (Cave Spring at Cave Springs). Additionally, water-quality data from 12 monitoring wells, 3 surface-water stations, and 1 spring, which were sampled from one to three times in 1995-96 in the Flint Creek Basin (Benton County), are also included. Some of these samples were collected in cooperation with the National Park Service and the Arkansas Geological Commission.

The Mississippi Embayment NAWQA study of eastern Arkansas and parts of five adjacent States began in 1994. Included in this report are monthly water quality and daily mean discharge data for two surface-water stations on the Cache River (Cache River near Egypt and Cache River near Cotton Plant).

Radiochemical Programs 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 waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

Daily discharge records were computed and included in this report for 47 stations in Arkansas in 1996. The locations of these stations are shown in figures 2 and 3, pages 28 and 29.

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, observation 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 stores the data in some form at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations (TWRI's), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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

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

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

Data Presentation

The records published for each continuous-record surface-water discharge station (gaging station) consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that flow at it can reasonably be considered equivalent to flow at the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted 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 peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to mean sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily discharge will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back of the title page of this report) to determine if the published records were ever revised after the station was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Headings for **AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR** have been deleted, and the information contained in these paragraphs is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually 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 or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS ___ - ___, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ___ - ___," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnote.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District Office computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Inches (INCHES) Indicates the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. The table of partial-record stations is followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

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 computing discharge for various unusual conditions have been explained in preceding paragraphs.

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 significant 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 because of 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. Real-time stream stage and flow data are available on the Arkansas District World Wide Web Home Page located at:

http://ar4darlrk.er.usgs.gov

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

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published by water year.

EXPLANATION OF SURFACE-WATER QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The water-quality records are given immediately after the water-discharge records for these stations. One hundred forty-six stations are included for 1995. The location of these stations are shown in figures 4 and 5, pages 30 and 31.

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

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

300	National Atmospheric Deposition Program/National Trends Network
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80020	National Water-Quality Laboratory, WRD, USGS
17003	Illinois State Water Survey
81213	District Water-Quality Laboratory, Ocala, Florida
82913	Rolla, Missouri Sediment Lab

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

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much

as possible, consistent with available sampling techniques and methods of analysis. In the rare case 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 measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly values beginning at 0100 hours and ending at 2400 hours for the day or record. More detailed records (hourly values) may be obtained from the Geological Survey District Office whose address is given on the back of the title page of this report.

Dissolved Trace-Element Concentrations

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the microgram per liter level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

Sample handling procedures at all National Trends Network stations were changed substantially January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

Water Temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken 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. To convert from degrees Celsius to degrees Fahrenheit or from degrees Fahrenheit to degrees Celsius, use one of these formulae: °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 or point 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 be 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. Methods used in the computation of sediment records are described in TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colorado or Ocala, Florida. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the **LOCATION** nor the **DRAINAGE AREA** statements are repeated. The following information, as appropriate, are provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximum or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

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

Remarks Codes

The following remark codes may appear with water-quality data:

PRINT OUTPUT REMARK	
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
<0.00	Due to numeric rounding format; actual value is known to be less than 0.005
K	Results based on colony count outside the acceptance range (non-ideal colony count)
V	Indicates the analyte was detected in both the sample and associated field blank

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Records of Ground-Water Levels

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 two wells in Arkansas (fig. 6, page 221). Wells are measured manually one or more times each year. Each well is identified by means of a 15-digit number that is based on latitude and longitude (see diagram on page 9).

Data Collection and Computation

Measurements of water levels are made in many types of wells and under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized, it is determined by conditions at a particular site. However, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Tables of water-level data are presented by counties arranged in alphabetical order The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or by a water-stage recorder. The water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Land-surface datum is the datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

Data Presentation

Each well record consists of the following information:

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) sea level; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

EXPLANATION OF GROUND-WATER QUALITY RECORDS

Collection of the Data

In an attempt to detect long-term changes in ground-water quality, a network of 25 monitoring wells has been established. The monitoring wells for sampling ground water were selected from all major aquifers. Each year two or more wells are sampled from large aquifers such as those in the Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that five or six wells are usually sampled each year. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years. In 1995, five wells in the network were sampled.

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-Site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards All samples were obtained by trained personnel. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water levels and quality are published in a section titled Ground-Water Levels and Quality of Ground Water. Data for levels and quality of ground water are listed alphabetically by County and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARKS codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National WATer Data STOrage and REtrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the Geological Survey collects or has collected data.
- Daily Values File - Contains more than 220 million daily values of streamflows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- Ground-Water Site Inventory Data Base - Contains inventory data for about 55,000 wells, springs, and other sources of ground water. These data include site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Geological Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs incurred. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disks. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District Offices (see address on the back of the title page).

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficken, 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. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3. Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

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

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

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

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathburn, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

3-A19. *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.

3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 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 programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.

3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley. USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 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.J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 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 the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

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

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

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.

6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.

6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water- problems, Part 3: Design philosophy and programming details*, by L. J. Torak. USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

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

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

DISCONTINUED GAGING STATIONS

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

Station Number	Station name	Drainage area (mi^2)	Period of record
	ST. FRANCIS RIVER BASIN		
07047000	St. Francis River floodway near Marked Tree (Dam)	4,644	1934-65
07047500	St. Francis River at Marked Tree	5,148	1934-73
07047810	St. Francis River floodway near Marked Tree	4,651	1965-70
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland	83.1	1945-83
07048500	West Fork White River near Fayetteville	118	1937-45
*07048600	White River near Fayetteville	400	1964-94
*07049000	War Eagle Creek near Hindsville	263	1952-79
07049500	White River near Rogers	1,020	1952-63
*07050500	Kings River near Berryville	527	1939-75, 1993-95
**07055000	White River near Flippin	6,081	1928-80
*07055646	Buffalo River near Boxley	57	1993-95
07057000	Buffalo River near Rush	1,096	1928-70
07057250	White River at Shipps Ferry	8,007	1963-64
07060892	Sullivan Creek at Sandtown	27.2	1990-91, 1993-94
**07061000	White River at Batesville	11,070	1937-58, 1987-94
*07064000	Black River near Corning	1,749	1938-95*
07068890	Fourche River above Pocahontas	229	1964-70
**07069000	Black River at Pocahontas	4,845	1936-70
*07069220	Spring River near Mammoth Springs	280	1988-94
*07069500	Spring River at Imboden	1,183	1936-94
07072000	Eleven Point River near Ravenden Springs	1,134	1930-33, 1936-94
07073000	Strawberry River near Evening Shade	217	1939-79
**07073500	Piney Fork at Evening Shade	99.2	1939-84
**07075000	Middle Fork of Little Red River at Shirley	302	1939-84
*07075300	South Fork Little Red River at Clinton	148	1962-94
*07076000	Little Red River near Heber Springs	1,153	1927-80
*07076750	White River at Georgetown	22,387	1991-94
07076850	Cypress Bayou near Beebe	166	1961-76
07077930	Big Creek near Moro	77.4	1961-70
07077950	Big Creek at Poplar Grove	448	1970-93
07078000	LaGrue Bayou near Stuttgart	176	1935-54
	ARKANSAS RIVER BASIN		
07194760	Illinois River near Viney Grove	80.7	1986 1986
07194880	Osage Creek near Cave Springs	34.7	1991-93
07195400	Illinois River near Siloam Springs	509	1980-81, 1986
*07249500	Cove Creek near Lee Creek	35.3	1950-70
*07251000	Frog Bayou near Mountainburg	74.2	1936-61
*07251500	Frog Bayou at Rudy	216	1950-70
*07252000	Mulberry River near Mulberry	373	1938-94
07252500	Sixmile Creek Subwatershed No. 6 near Chismville	4.23	1960-70
07253000	Sixmile Creek at Chismville	24.1	1954-70
07253500	Sixmile Creek near Branch	36.7	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville	2.76	1960-70
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville	5.81	1960-70
07255000	Sixmile Creek at Caulksville	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch	4.49	1960-70
07255500	Hurricane Creek near Branch	17.2	1954-70
07256000	Hurricane Creek near Caulksville	53	1954-70
*07256500	Spadra Creek at Clarksville	61.1	1952-70
*07257006	Big Piney Creek at Hwy 164 near Dover	297	1950-95
*07257500	Illinois Bayou near Scottsville	241	1948-70
*07258000	Arkansas River at Dardanelle	153670	1937-94
*07258500	Petit Jean River near Booneville	241	1938-84
*07259500	Petit Jean River near Waveland	516	1939-80
*07260000	Dutch Creek at Waltreak	81.4	1945-75
*07261500	Fourche LaFave River near Gravelly	410	1939-94
07262500	Fourche LaFave River near Nimrod	684	1936-80
07264500	Bayou Meto near Stuttgart	574	1935-54
	RED RIVER BASIN		
*07339500	Rolling Fork near DeQueen	182	1948-80
*07340500	Cossatot River near DeQueen	360	1938-80
*07341000	Saline River near Dierks	121	1938-80
07349430	Bodcau Creek at Stamps	234	1958-70

DISCONTINUED GAGING STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi^2)	Period of record
	RED RIVER BASIN--continued		
07356500	South Fork Ouachita River at Mount Ida	64	1949-70
07358000	Ouachita River near Hot Springs	1,405	1922-30
07359700	Caddo River at Glenwood	201	1988
07361000	Little Missouri River near Murfreesboro	380	1928-31, 1937-77
*07362500	Moro Creek near Fordyce	240	1951-83
*07363000	Saline River at Benton	550	1950-79
*07363200	Saline River near Sheridan	1,123	1970-81
07364000	Saline River near Warren	2,476	1928-31, 1937-40
*07365800	Cornie Bayou near Three Creeks	180	1956-87
07365900	Three Creeks near Three Creeks	50.3	1956-71

*Converted to partial-record station
**Converted to stage-only station

DISCONTINUED WATER-QUALITY STATIONS

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

Station number	Station name	Type of record	Period of record
	MISSISSIPPI RIVER MAIN STEM		
07024181	Mississippi River at Huffman	Chem.	1974-83
07029150	Mississippi River at Barfield	Chem.	1974-83
07032010	Mississippi River at West Memphis	Chem.	1969-70
07047970	Mississippi River at Helena	Chem.	1972-74
07265450	Mississippi River near Arkansas City	Chem.	1974-93
		Sp. Cond., Temp.	1974-81
07265455	Mississippi River near Greenville, Mississippi	Chem.	1973-74
	ST. FRANCIS RIVER BASIN		
07040350	Big Slough Ditch near Paragould	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manila	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbro	Chem.	1972-74
07047400	Pemiscot Bayou near Dell	Chem.	1974-83
07047500	St. Francis River at Marked Tree	Chem.	1946, 1950-55, 1966-73
07047560	Tyronza River near Dyess	Chem.	1977
07047570	Tyronza Bayou near Dyess	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto	Chem.	1977
07047590	Tyronza River near Spear Lake	Chem.	1977
07047700	Tyronza River near Twist	Chem.	1974-88
07047800	St Francis River at Parker	Chem	1973-94
07047936	L'Anguille River near Cherry Valley	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine	Chem., Sed.	1978-79, 1981-84
07047968	St. Francis River north of Helena	Chem.	1972-83
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland	Chem.	1946-54, 1956-57, 1959, 1963, 1976-79
07048600	White River near Fayetteville	Chem.	1958, 1976-81
07049695	White River above Busch	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver	Chem.	1945-46, 1948-53, 1974-83
07053700	Lake Taneycomo at Branson, Missouri	Chem.	1977-91
07054471	Bull Shoals Lake below Big Music Creek near Midway fishpens	Chem.	1978-91
07054474	Bull Shoals Lake below Big Music Creek near Midway mouth of cove	Chem.	1978-79, 1982-91
07054535	White River below Bruce Creek near Lakeview	D.O., Temp	1992-93
07055000	White River near Flippin	Chem.	1945-50, 1953, 1979
07055550	Crooked Creek Tributary near Dog Patch	Chem.	1947-59, 1966-82
07055600	Crooked Creek at Pyatt	Chem.	1963, 1964, 1974-78
07055630	White River at Buffalo City	Temp.	1963-64
07055700	Little Buffalo River at Jasper	Temp.	1963-70
07056507	Bear Creek West of Marshall	Chem.	1983-86
07057000	Buffalo River near Rush	Chem.	1946-54, 1958-59, 1961, 1963
07057246	White River near Lone Rock	Temp.	1979-82
07057250	White River at Shipps Ferry	Temp.	1963-64
07060010	North Fork River at Norfork	Chem., Temp.	1974-83
07060660	White River at Sylamore	Temp.	1967-82
07060700	South Sylamore Creek at Allison	Chem.	1957-63, 1987-88, 1992-93
07060839	White River above Lock and Dam 3 near St. James	Temp., D.O.	1989-91

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
07061000	White River at Batesville	Chem.	1983-86
07061094	White River near Salado	Chem.	1983-86
07061950	Clearwater Lake at Carter Hollow, Missouri	Chem.	1978-91
07061980	Clearwater Lake near Carter Spring on Webb Creek, Missouri	Chem.	1978-91
07068600	Little Black River at Success	Chem., Temp.	1965, 1980-86
07068867	Fourche River near Middlebrook	Chem.	1969-75
07069268	South Fork of Spring River near Moko	Chem.	1972-74
07069500	Spring River at Imboden	Chem.	1945-63, 1966-72, 1976-79
07072000	Eleven Point River near Ravenden Springs	Chem.	1945-60, 1963, 1966, 1972-79
07072500	Black River at Black Rock	Chem	1946, 1953, 1967-94
07073000	Strawberry River near Evening Shade	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade	Chem.	1959, 1979
07074000	Strawberry River near Poughkeepsie	Chem.	1949-60, 1971, 1972, 1979
07074490	Black River at Jacksonport	Chem.	1964, 1974-83
07074491	White River at Jacksonport	Chem.	1983-86
07074595	Village Creek near Walnut Ridge	Chem.	1973-74, 1976-77
07074645	Lick Pond near Alicia	Chem.	1976-77
07074660	Village Creek near Swifton	Chem.	1973-74, 1976-77
07074665	Maple Ditch near Swifton	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman	Chem.	1976-77
07074700	Village Creek near Newport	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta	Temp.	1967-71
07074850	White River near Augusta	Chem.	1954, 1979
07075000	Middle Fork of Little Red River at Shirley	Chem.	1954, 1979
07076200	Little Red River near Wilburn	Chem., Temp.	1968-83
07076500	Little Red River at Pangburn	Temp.	1967-82
07076620	Little Red River near Searcy	Temp.	1967-82
		Chem.	1984-93
07076634	Little Red River at Judsonia	Chem.	1975-83
07076640	Little Red River near West Point	Temp.	1967-72
07076750	White River at Georgetown	Temp.	1967-81
07076850	Cypress Bayou near Beebe	Chem.	1976-78
07077000	White River at DeValls Bluff	Temp.	1963-70
07077080	Little Cache River Ditch No. 1 near McDougal	Chem.	1973-75
07077380	Cache River at Egypt	Chem.	1963, 1966, 1976-79
07077400	Cache River near Cash	Chem.	1974-83
07077500	Cache River at Patterson	Sed.	1987-94
07077600	Cache River at Brasfield	Chem.	1974-83
07077750	Bayou DeView near Brasfield	Chem.	1956-57, 1974-83
07077790	Cache River at 100 Yards below Dredging	Chem.	1977-80
07077794	Cache River at Mouth near Clarendon	Chem.	1977-80
07077800	White River at Clarendon	Chem., Temp.	1948-67, 1970-86
07077950	Big Creek at Poplar Grove	Chem.	1972, 1976-79
07077952	Big Creek near Poplar Grove	Chem.	1970-73
07077960	Big Creek near Watkins Corner	Chem.	1974-83
07078120	Little LaGrue Bayou near Stuttgart	Chem.	1954-55
07078285	White River at Arkansas Post Canal near Nady	Chem.	1972-83
07188910	Butler Creek near Sulphur Springs	Chem.	1969-93
07195430	Illinois River south of Siloam Springs	Chem.	1972-81
07195800	Flint Creek at Springtown	Chem.	1975-79
07195850	Flint Creek North of Siloam Springs	Chem.	1972-81
07196950	Evansville Creek at Evansville	Chem.	1958-59
07247000	Poteau River at Cauthron	Chem.	1945-61, 1975-79

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	ARKANSAS RIVER BASIN		
07247012	Poteau River south of Bates	Chem.	1972-83
07247903	Lee Creek near Natural Dam	Chem.	1972-74
07250000	Lee Creek near Van Buren	Chem.	1951-59, 1972-79
07250550	Arkansas River at James W. Trimble Lock and Dam near Van Buren	Chem., Temp., Sp. Cond	1970-92
07252000	Mulberry River near Mulberry	Chem.	1947-59, 1975-79
07252400	Arkansas River at Ozark	Chem.	1962-63, 1965-66
07252500	Sixmile Creek Subwatershed near Chismville	Chem.	1959-67
07256040	Short Mountain Creek west of Paris	Chem.	1987-93
07257000	Big Piney Creek near Dover	Chem.	1951-56
07257500	Illinois Bayou near Scottsville	Chem.	1971-72
07257995	Lake Dardanelle at Dardanelle	Chem.	1966-67
07260500	Petit Jean River at Danville	Chem.	1949-52, 1976-78
07260640	Petit Jean River near Centerville	Chem.	1974-83
07261000	Cadron Creek near Guy	Chem.	1976-78
07261235	East Fork Cadron Creek north of Conway	Chem.	1973
07261250	Cadron Creek west of Conway	Chem.	1955-56, 1973-83
07263010	Fourche LaFave River near Aplin	Chem.	1952-53
07263150	Fourche LaFave River near Bigelow	Chem.	1975-83
07263500	Arkansas River at Little Rock	Chem.	1946-69
07263650	Arkansas River at Pine Bluff	Chem.	1963
07263720	Arkansas River near Altheimer	Chem.	1954
07264000	Bayou Meto near Lonoke	Chem.	1968-83
07263750	Arkansas River at Lock and Dam 3 near Swan Lake	Chem.	1974-83
07264050	Bayou Two Prairie near Cabot	Chem.	1975-83
07264500	Bayou Meto near Stuttgart	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton	Chem.	1963
	RED RIVER BASIN		
07339500	Rolling Fork near DeQueen	Temp.	1976-79
07339850	Rolling Fork near Horatio	Chem.	1974-83
07340500	Cossatot River near DeQueen	Temp.	1976-79
07340520	Cossatot River near Lockesburg	Chem.	1974-83
07341000	Saline River near Dierks	Temp.	1975-79
07341280	Millwood Lake on Mine Creek near Okay	Chem.	1983-93
07341500	Red River at Fulton	Chem., Temp.	1946-47, 1952-61, 1978-79
07342000	Red River at Garland	Chem.	1976
07344290	Days Creek south of Texarkana	Chem.	1973-74
07344340	Sulphur River near Fort Lynn	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor	Chem.	1952, 1973-74
07349453	Wh[illegible]r Creek near Arkana	Chem.	1973-74
07349455	Bear Creek near Arkana	Chem.	1973
07349457	Dooley Creek near Arkansas-Louisiana State Line	Chem.	1973
07356150	Ouachita River near Washita	Chem.	1970-72
07356320	Irons Fork Creek near Fannie	Chem.	1970-78
07356500	South Fork Ouachita River at Mount Ida	Chem.	1970-72, 1978
07357500	Lake Ouachita near Hot Springs	Chem.	1970-78
07357501	Ouachita River at Blakely Mountain Dam near Hot Springs	Chem.	1970-83
07357503	Ouachita River at Mountain Pine	Temp.	1979-82
07358501	Ouachita River at Carpenter Dam near Hot Springs	Chem.	1974-86
07359900	DeGray Lake near Arkadelphia	Chem.	1950-52, 1976-78
07359910	Caddo River at DeGray Regulating Dam near Arkadelphia	Chem.	1976-78
07360000	Ouachita River at Arkadelphia	Chem.	1949-70
07360162	Ouachita River near Sparkman	Chem.	1974-83
07360182	Brushy Creek near Ouachita	Chem.	1978-81
07360250	Little Missouri River near Newhope	Chem.	1970-78
07360350	Self Creek near Daisy	Chem.	1970-72, 1976-78
07360500	Lake Greeson near Murfreesboro	Chem.	1970-72, 1976-78
07361022	Prairie Creek at Murfreesboro	Chem.	1984-93

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07361025	Prairie Creek near Murfreesboro	Chem.	1984-93
07361500	Antoine River at Antoine	Chem.	1976-79
07361650	Terre Rouge Creek near Prescott	Chem.	1978-79
07361660	Little Missouri River near Whelen Springs	Chem.	1978
07361805	Terre Noir Creek at Vaden	Chem.	1978-79
07362100	Smackover Creek near Smackover	Chem.	1950-52, 1976-81
07362200	Smackover Creek near Norphlet	Chem.	1959-60, 1962-68, 1970-72
07362390	Ouachita River at Calion	Chem.	1950-54
07362400	Ouachita River at Lock and Dam 8, near Calion	Chem.	1972-84
07362500	Moro Creek near Fordyce	Chem.	1952-55, 1976-77
07362874	North Fork Saline River near Paron	Chem.	1992
07362878	Dog Creek near Paron	Chem.	1992
07362882	North Fork Saline River northwest of Avilla	Chem.	1992
07362886	Brush Creek below Lake Norrell near Avilla	Chem.	1992
07362890	North Fork Saline River west of Avilla	Chem.	1992
07362894	North Fork Saline River near Congo	Chem.	1992
07363000	Saline River at Benton	Chem.	1950-53, 1975-79
07363080	Saline River near Tull	Chem.	1974-75
07363400	Hurricane Creek near Sheridan	Chem.	1950-55
07363500	Saline River near Rye	Chem.	1947-55, 1958-60, 1968-71, 1976-80
07364020	L'Aigle Creek at Hermitage	Chem.	1980
07364060	Bayou Lapile at Strong	Chem.	1952-55
07364080	Ouachita River near Felsenthal	Chem., Temp.	1950-67, 1971-81
07364088	Coffee Creek near Crossett	Chem.	1973-83
07364150	Bayou Bartholomew near McGehee	Chem.	1960-72, 1976-79
07365900	Three Creeks near Three Creeks	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou east of Junction City	Chem.	1973-74
07367666	Big Bayou near Jerome	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot	Chem.	1973-74

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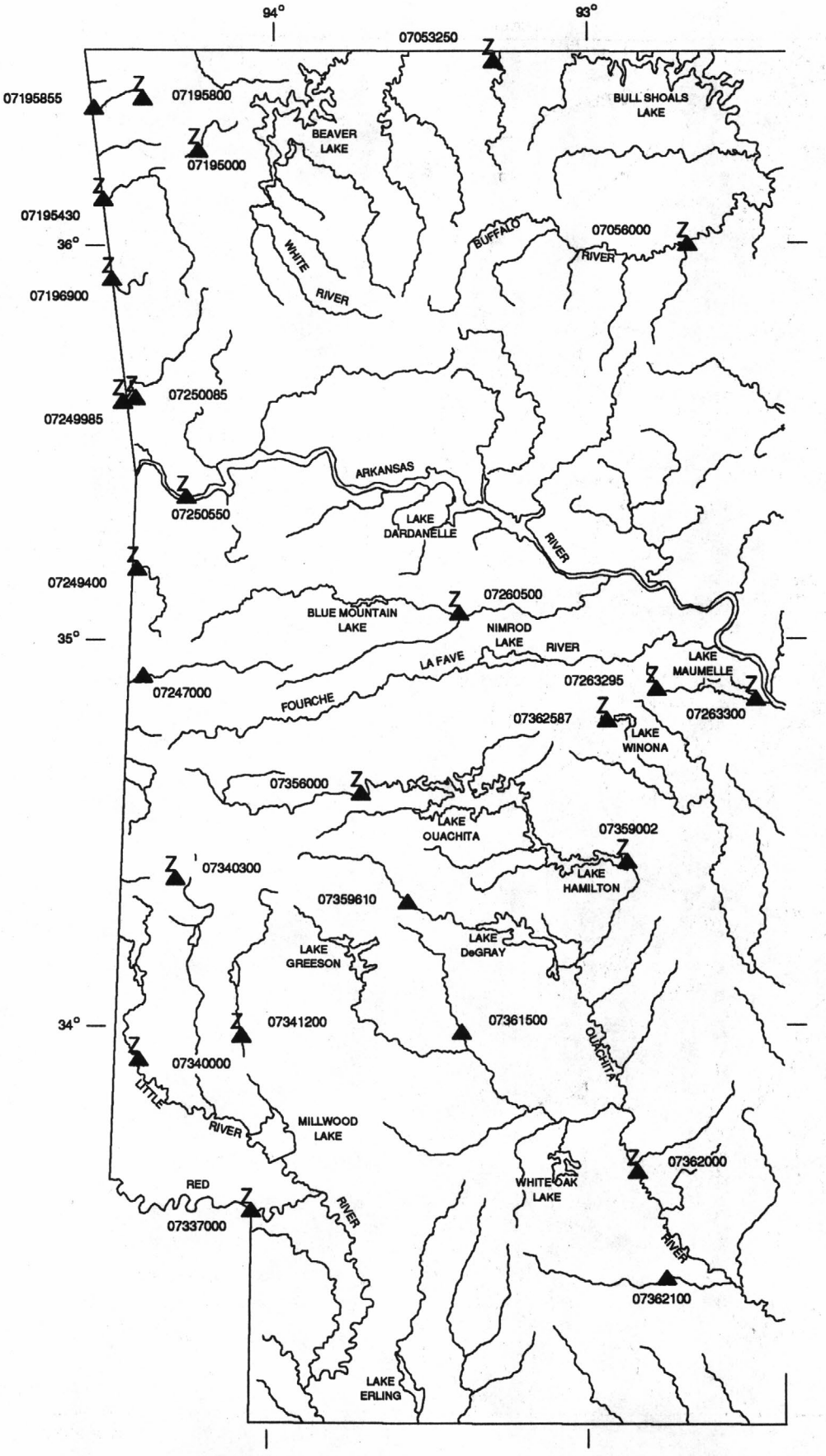

Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

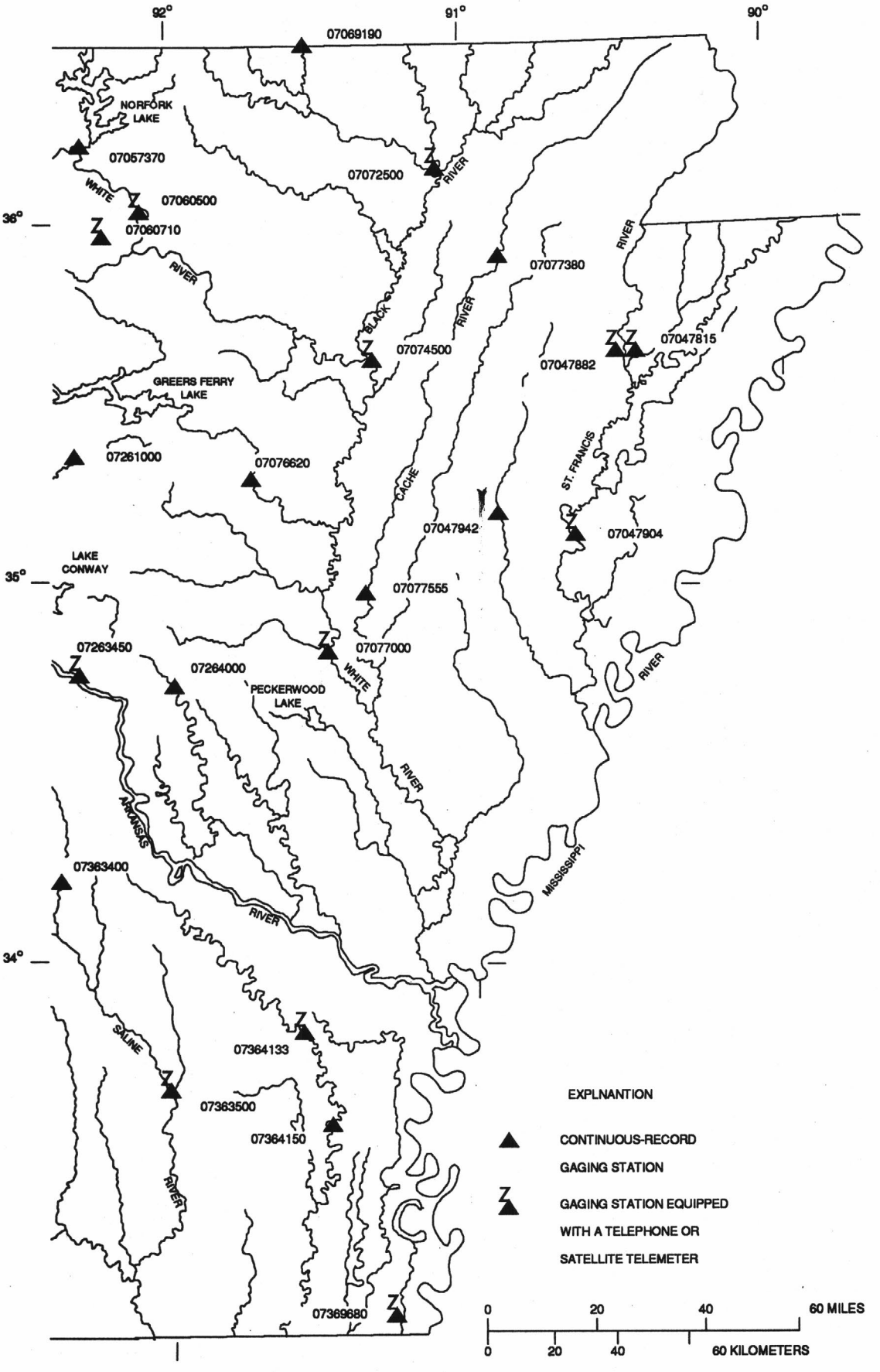

Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

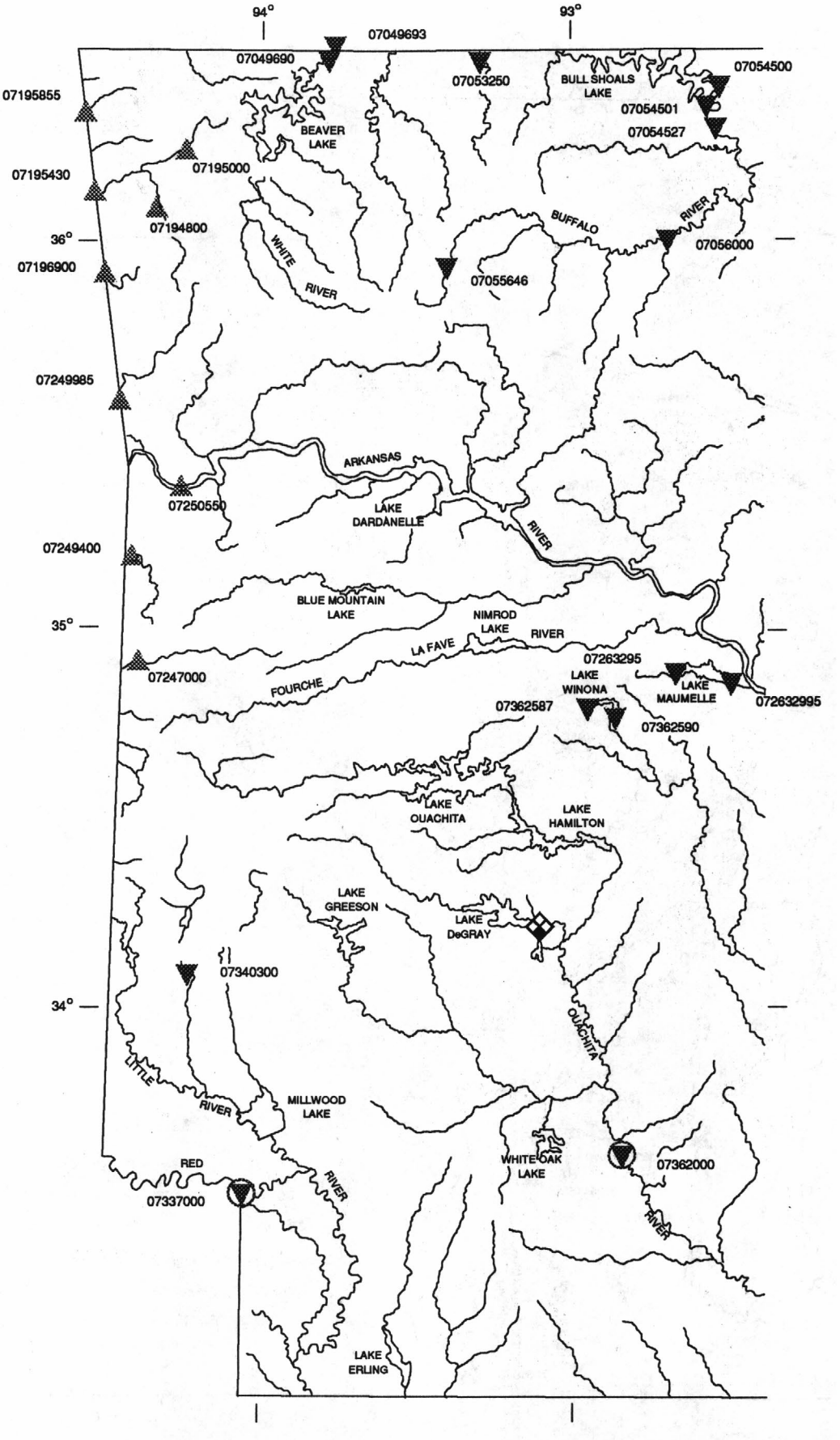

Figure 4.--Locations of water-quality stations in western Arkansas.

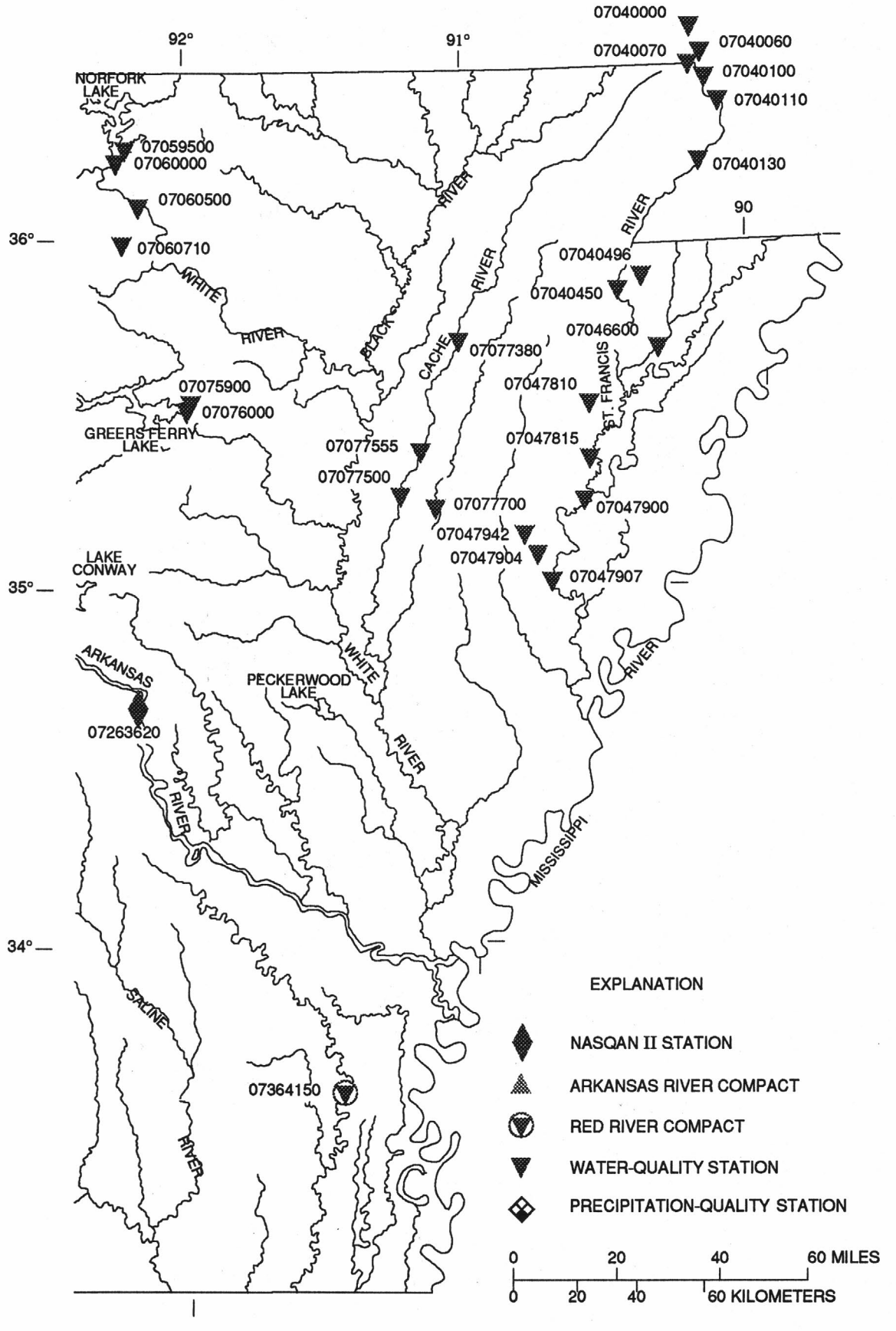

Figure 5.--Locations of water-quality stations in eastern Arkansas.

07040000 ST.FRANCIS RIVER AT FISK, MISSOURI

LOCATION.--Lat 36°46'50", long 90°12'08", in NW1/4SW1/4 sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Missouri.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 10...	1155	80513	82913	103	405	8.0	20.0	0.18	7.9
NOV 27...	1445	80513	82913	305	286	8.1	8.0	0.18	9.8
DEC 12...	1545	80513	82913	156	289	7.8	6.0	0.12	7.2
JAN 22...	1535	80513	82913	3100	210	7.4	1.5	0.06	12.9
FEB 20...	1605	80513	82913	380	183	7.4	4.0	0.60	12.2
MAR 19...	1645	80513	82913	875	235	7.6	8.5	0.12	11.4
APR 15...	1400	80513	82913	1140	169	7.8	14.0	0.12	11.1
MAY 20...	1605	80513	82913	5180	119	7.2	20.0	0.09	8.0
JUN 10...	1745	80513	82913	3700	141	7.1	20.5	0.09	8.2
JUL 09...	1315	80513	82913	165	191	7.6	25.0	0.12	6.6
AUG 05...	1205	80513	82913	189	205	8.0	26.0	0.09	8.1
SEP 03...	1215	80513	82913	180	235	8.0	23.0	0.09	8.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)
OCT 10...	1155	87	45	13	98	98	98	100	--
NOV 27...	1445	85	36	30	77	77	100	--	--
DEC 12...	1545	58	21	8.8	71	100	--	--	--
JAN 22...	1535	93	71	594	81	86	92	96	100
FEB 20...	1605	95	21	22	97	97	100	--	--
MAR 19...	1645	99	58	137	96	96	98	100	--
APR 15...	1400	109	61	188	90	90	97	100	--
MAY 20...	1605	90	38	531	98	98	100	--	--
JUN 10...	1745	93	96	959	55	60	95	100	--
JUL 09...	1315	81	85	38	89	89	95	100	--
AUG 05...	1205	101	66	34	100	--	--	--	--
SEP 03...	1215	97	51	25	100	--	--	--	--

DATE	TIME	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)
OCT 10...	1155	46	50	71	94	100	--	--	--
NOV 27...	1445	51	72	94	96	100	--	--	--
DEC 12...	1545	20	29	82	96	100	--	--	--
JAN 22...	1535	6	7	21	79	97	--	97	100
FEB 20...	1605	1	2	28	93	100	--	--	--
MAR 19...	1645	1	1	21	86	100	--	--	--
APR 15...	1400	22	57	92	97	98	100	--	--
MAY 20...	1605	13	37	97	100	--	--	--	--
JUN 10...	1745	2	23	97	99	100	--	--	--
JUL 09...	1315	3	59	97	98	100	--	--	--
AUG 05...	1205	12	19	84	100	--	--	--	--
SEP 03...	1215	13	22	81	100	--	--	--	--

07040060 St. FRANCIS RIVER NEAR GLENNONVILLE, MISSOURI

LOCATION.--Lat 36°34'22", long 90°11'06", in NE1/4NW1/4 sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Missouri.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
27...	1335	80513	82913	341	9.0	0.18	41	38	96	96
DEC										
12...	1325	80513	82913	180	7.0	0.18	27	13	74	74
JAN										
22...	1420	80513	82913	3140	1.5	0.06	197	1670	73	83
FEB										
20...	1415	80513	82913	486	5.0	0.46	25	33	92	92
MAR										
19...	1545	80513	82913	1190	8.0	0.12	107	344	94	94
APR										
15...	1450	80513	82913	1380	14.0	0.09	79	294	93	93
MAY										
20...	1425	80513	82913	6150	20.0	0.09	165	2740	80	91
JUN										
10...	1640	80513	82913	4160	20.5	0.06	133	1490	83	95

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
27...	1335	100	--	2	5	40	94	100	--
DEC									
12...	1325	100	--	1	1	48	97	100	--
JAN									
22...	1420	95	100	1	2	60	99	100	--
FEB									
20...	1415	92	100	1	2	72	99	100	--
MAR									
19...	1545	95	100	1	3	60	98	99	100
APR									
15...	1450	98	100	58	87	97	98	100	--
MAY									
20...	1425	98	100	1	2	81	97	100	--
JUN									
10...	1640	100	--	2	2	60	95	100	--

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MISSOURI

LOCATION.--Lat 36°30'53", long 90°09'30", in SW1/4SW1/4 sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Missouri, off Missouri State Highway 53.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)
NOV 27...	1255	80513	82913	333	9.0	0.12	37	33	87
DEC 12...	1240	80513	82913	180	7.0	0.18	22	11	87
JAN 22...	1325	80513	82913	3020	1.0	0.06	238	1940	71
FEB 20...	1310	80513	82913	572	4.5	0.60	27	42	90
MAR 19...	1345	80513	82913	1220	8.0	0.12	147	484	75
APR 15...	1255	80513	82913	1310	14.5	0.12	98	347	88
MAY 20...	1330	80513	82913	5340	20.0	0.09	233	3360	66
JUN 10...	1545	80513	82913	3860	20.0	0.06	204	2130	67

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 27...	1255	94	100	--	4	5	67	98	100
DEC 12...	1240	87	100	--	5	5	40	96	100
JAN 22...	1325	78	97	100	3	4	55	96	100
FEB 20...	1310	90	100	--	2	5	77	99	100
MAR 19...	1345	78	95	100	5	6	65	97	100
APR 15...	1255	90	100	--	2	11	68	97	100
MAY 20...	1330	83	98	100	1	3	72	97	100
JUN 10...	1545	82	99	100	1	3	79	99	100

07040100 ST. FRANCIS RIVER AT ST. FRANCIS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
10...	1305	80513	82913	253	390	7.9	20.5	0.15	7.6	85	17
NOV											
28...	0845	80513	82913	325	294	7.9	6.0	0.18	11.0	89	37
DEC											
13...	0815	80513	82913	212	290	7.9	7.0	0.15	7.2	59	49
JAN											
23...	0900	80513	82913	3600	202	7.5	2.0	0.06	14.6	107	231
FEB											
21...	0840	80513	82913	547	197	7.3	5.5	0.46	11.4	91	38
MAR											
20...	0900	80513	82913	1310	205	7.5	6.0	0.09	10.8	88	182
APR											
16...	0855	80513	82913	1500	165	7.8	12.0	0.12	12.1	113	93
MAY											
21...	0830	80513	82913	5550	118	7.2	19.0	0.06	8.0	88	908
JUN											
11...	0755	80513	82913	4280	138	7.2	19.5	0.06	7.7	85	883
JUL											
09...	1150	80513	82913	390	263	7.5	26.0	0.12	5.8	72	129
AUG											
05...	1320	80513	82913	338	200	7.9	28.0	0.09	8.0	103	103
SEP											
03...	1335	80513	82913	231	316	7.9	23.0	0.12	8.7	103	104

DATE	TIME	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											
10...	1305	12	91	91	96	100	86	90	96	100	--
NOV											
28...	0845	32	97	97	100	--	17	35	94	100	--
DEC											
13...	0815	28	86	86	100	--	41	72	97	100	--
JAN											
23...	0900	2250	77	87	99	100	1	4	94	99	100
FEB											
21...	0840	56	90	90	100	--	1	3	92	99	100
MAR											
20...	0900	644	93	97	100	--	1	4	89	100	--
APR											
16...	0855	377	85	91	100	--	4	4	36	86	100
MAY											
21...	0830	13600	16	19	90	100	1	1	55	91	100
JUN											
11...	0755	10200	86	90	99	100	95	95	96	99	100
JUL											
09...	1150	136	100	--	--	--	46	76	97	98	100
AUG											
05...	1320	94	100	--	--	--	36	41	80	100	--
SEP											
03...	1335	65	100	--	--	--	49	54	85	100	--

07040110 ST. FRANCIS RIVER NEAR PIGGOTT

LOCATION.--Lat 36°23'50", long 90°04'40", in SE1/4SW1/4 sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi east of Piggott.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV										
27...	1200	80513	82913	322	9.0	0.18	--	35	30	90
DEC										
12...	1155	80513	82913	193	7.0	0.18	--	21	11	89
JAN										
22...	1215	80513	82913	3050	1.0	0.03	--	209	1720	87
FEB										
20...	1205	80513	82913	551	4.5	0.46	--	32	48	97
MAR										
19...	1245	80513	82913	1170	8.0	0.12	--	118	373	95
APR										
15...	1205	80513	82913	1260	14.5	0.12	--	104	354	97
MAY										
20...	1155	80513	82913	4990	19.0	0.09	67	299	4030	58
20...	1230	80513	82913	712	19.0	0.06	68	413	794	96
JUN										
10...	1400	80513	82913	3800	20.0	0.06	--	220	2260	79

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
27...	1200	90	95	100	8	11	66	93	100
DEC									
12...	1155	89	100	--	3	6	63	93	100
JAN									
22...	1215	91	98	100	0	0	47	95	100
FEB									
20...	1205	97	100	--	1	2	49	98	100
MAR									
19...	1245	95	97	100	1	2	39	97	100
APR									
15...	1205	97	100	--	2	2	32	93	100
MAY									
20...	1155	70	98	100	5	7	41	81	100
20...	1230	97	99	100	79	79	95	100	--
JUN									
10...	1400	87	99	100	1	1	52	96	100

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND

LOCATION.--Lat 36°14'11", long 90°07'52", in SW1/4NE1/4 sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.

DRAINAGE AREA.--1,788 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV											
28...	0930	80513	82913	231	9.0	0.18	67	49	31	96	96
28...	1000	80513	82913	89	9.0	0.18	68	63	15	84	100
DEC											
13...	0900	80513	82913	209	7.0	0.15	--	67	38	36	36
JAN											
23...	1100	80513	82913	1790	3.0	0.12	67	175	846	93	93
23...	1130	80513	82913	53	3.0	0.12	68	131	19	91	91
FEB											
21...	0955	80513	82913	588	4.5	0.60	--	31	49	96	96
MAR											
20...	1010	80513	82913	1180	6.0	0.12	--	78	249	95	95
APR											
16...	0955	80513	82913	1310	12.5	0.09	--	51	180	94	94
MAY											
21...	0945	80513	82913	3050	20.0	0.09	67	200	1650	69	82
21...	1025	80513	82913	4020	20.0	0.09	68	--	--	72	92
JUN											
11...	0905	80513	82913	2210	20.0	0.09	67	210	1250	82	89
11...	0935	80513	82913	2670	20.0	0.06	68	48	346	99	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV											
28...	0930	100	--	14	18	82	95	100	--	--	--
28...	1000	--	--	3	5	43	91	100	--	--	--
DEC											
13...	0900	100	--	51	60	73	91	94	100	--	--
JAN											
23...	1100	96	100	0	2	72	96	100	--	--	--
23...	1130	96	100	5	5	17	74	98	--	98	100
FEB											
21...	0955	96	100	3	4	77	99	100	--	--	--
MAR											
20...	1010	100	--	25	27	81	98	100	--	--	--
APR											
16...	0955	94	100	1	1	50	92	100	--	--	--
MAY											
21...	0945	98	100	1	6	64	97	100	--	--	--
21...	1025	99	100	27	38	97	100	--	--	--	--
JUN											
11...	0905	97	100	4	19	86	99	100	--	--	--
11...	0935	100	--	9	16	76	92	100	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY

LOCATION.--Lat 35°49'16", long 90°25'56", in SE1/4 sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6.

DRAINAGE AREA.--2,374 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
11...	0930	80513	82913	305	385	8.4	19.5	0.15	7.5	82
NOV										
28...	1200	80513	82913	526	280	7.7	8.0	0.18	9.2	78
DEC										
13...	1210	80513	82913	426	303	8.1	7.0	0.09	7.1	59
JAN										
23...	1415	80513	82913	1200	215	7.6	3.0	0.09	11.6	88
23...	1500	80513	82913	1130	209	7.5	3.0	0.15	12.6	95
FEB										
21...	1245	80513	82913	993	232	7.6	7.5	0.12	10.8	91
MAR										
20...	1255	80513	82913	979	256	7.5	6.0	0.09	10.4	84
APR										
16...	1340	80513	82913	1230	201	7.8	13.5	0.12	10.4	100
MAY										
22...	0915	80513	82913	1510	156	7.3	24.0	0.09	5.8	70
22...	1010	80513	82913	5270	133	7.3	22.0	0.06	6.0	69
JUN										
11...	1300	80513	82913	1380	150	7.2	20.5	0.09	7.9	89
11...	1330	80513	82913	3960	141	7.2	20.5	0.09	6.8	76
JUL										
10...	0645	80513	82913	645	339	7.4	25.0	0.15	4.4	54
AUG										
06...	0715	80513	82913	991	167	7.9	26.0	0.09	5.4	67
SEP										
04...	0715	80513	82913	247	376	8.0	26.0	0.12	6.2	77

DATE	TIME	SAMPLE SOURCE (72005)	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)
OCT									
11...	0930	--	58	48	99	100	--	--	--
NOV									
28...	1200	--	59	84	94	94	100	--	--
DEC									
13...	1210	--	68	78	80	80	100	--	--
JAN									
23...	1415	67	134	434	96	96	97	100	--
23...	1500	68	138	421	96	96	100	--	--
FEB									
21...	1245	--	494	1320	27	44	91	99	100
MAR									
20...	1255	--	192	508	47	51	86	100	--
APR									
16...	1340	--	45	149	84	84	100	--	--
MAY									
22...	0915	67	87	355	70	74	87	100	--
22...	1010	68	100	1420	91	96	100	--	--
JUN									
11...	1300	67	197	734	48	66	99	100	--
11...	1330	68	50	535	96	96	100	--	--
JUL									
10...	0645	--	86	150	100	--	--	--	--
AUG									
06...	0715	--	100	268	100	--	--	--	--
SEP									
04...	0715	--	--	--	100	--	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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)
OCT									
11...	0930	54	65	83	98	100	--	--	--
NOV									
28...	1200	7	19	64	96	100	--	--	--
DEC									
13...	1210	7	14	50	93	100	--	--	--
JAN									
23...	1415	1	1	48	95	100	--	--	--
23...	1500	27	54	79	96	100	--	--	--
FEB									
21...	1245	19	26	60	90	100	--	--	--
MAR									
20...	1255	4	9	61	95	100	--	--	--
APR									
16...	1340	8	12	55	93	100	--	--	--
MAY									
22...	0915	3	5	55	96	100	--	--	--
22...	1010	6	10	69	98	100	--	--	--
JUN									
11...	1300	3	13	79	91	99	100	--	--
11...	1330	2	9	74	90	100	--	--	--
JUL									
10...	0645	15	26	59	96	100	--	--	--
AUG									
06...	0715	25	32	70	97	97	--	97	100
SEP									
04...	0715	16	28	57	91	94	--	94	100

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE

LOCATION.--Lat 35°51'39", long 90°19'49", in SW1/4SE1/4 sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi southeast of Monette.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
NOV											
28...	1050	80513	80513	--	290	8.1	8.0	--	7.0	59	--
DEC											
13...	1030	80513	82913	125	278	7.7	7.0	0.09	6.1	51	224
JAN											
24...	0745	80513	80513	0.0	411	7.0	6.5	--	11.8	96	--
FEB											
21...	1145	80513	82913	198	418	7.3	11.5	0.18	8.5	79	105
MAR											
20...	1145	80513	82913	162	434	7.4	5.0	0.06	10.8	87	105
APR											
16...	1205	80513	82913	196	418	7.4	13.5	0.15	11.4	110	40
MAY											
21...	1750	80513	82913	227	416	7.2	22.0	0.09	6.5	76	578
JUN											
11...	1055	80513	82913	280	372	7.2	20.5	0.09	6.8	76	70

DATE	TIME	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)
DEC											
13...	1030	76	92	96	100	--	11	24	82	97	100
FEB											
21...	1145	56	84	94	100	--	24	32	73	95	100
MAR											
20...	1145	46	89	93	100	--	18	23	77	98	100
APR											
16...	1205	21	98	98	100	--	9	13	15	95	100
MAY											
21...	1750	354	83	89	98	100	50	75	91	94	100
JUN											
11...	1055	53	80	80	100	--	5	19	70	96	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE

LOCATION.--Lat 35°40'20", long 90°29'12", in SW1/4 sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi upstream from St. Francis River.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 11.	1100	80513	82913	434	423	8.1	19.5	0.15	7.4
NOV 28.	1145	80513	82913	535	274	7.9	8.0	0.18	10.2
DEC 13.	1300	80513	82913	606	310	8.0	7.0	0.12	7.2
JAN 24.	0930	80513	82913	2690	223	7.2	2.5	0.06	10.8
FEB 21.	1345	80513	82913	1200	394	7.8	8.0	0.18	12.2
MAR 20.	1355	80513	82913	1480	353	7.0	8.0	0.06	10.4
APR 16.	1425	80513	82913	1340	416	7.4	16.0	0.18	10.5
MAY 22.	1505	80513	82913	1380	416	7.2	24.0	0.09	8.0
JUN 12.	0720	80513	82913	6700	150	7.1	20.0	0.06	7.2
JUL 10.	0745	80513	82913	1270	402	7.5	25.0	0.15	8.1
AUG 06.	0815	80513	82913	2620	158	7.6	26.0	0.09	7.6
SEP 04.	1000	80513	82913	543	436	8.2	26.0	0.15	7.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT 11.	1100	81	51	60	97	100	--	--	60
NOV 28.	1145	86	31	45	93	93	100	--	5
DEC 13.	1300	60	73	119	56	91	100	--	54
JAN 24.	0930	79	597	4340	98	98	99	100	8
FEB 21.	1345	104	49	159	95	97	100	--	58
MAR 20.	1355	89	262	1050	100	--	--	--	36
APR 16.	1425	106	65	235	94	94	100	--	43
MAY 22.	1505	96	79	294	99	99	100	--	44
JUN 12.	0720	80	464	8390	97	99	100	--	35
JUL 10.	0745	98	86	295	100	--	--	--	44
AUG 06.	0815	94	119	842	100	--	--	--	36
SEP 04.	1000	97	77	113	96	96	100	--	52

DATE	TIME	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. 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 11.	1100	88	96	96	97	--	97	100
NOV 28.	1145	16	48	58	66	73	79	100
DEC 13.	1300	79	93	96	100	--	--	--
JAN 24.	0930	17	80	98	100	--	--	--
FEB 21.	1345	76	90	100	--	--	--	--
MAR 20.	1355	79	92	97	100	--	--	--
APR 16.	1425	63	82	93	100	--	--	--
MAY 22.	1505	75	91	93	100	--	--	--
JUN 12.	0720	63	93	97	100	--	--	--
JUL 10.	0745	72	91	97	100	--	--	--
AUG 06.	0815	67	92	93	93	93	100	--
SEP 04.	1000	82	98	99	100	--	--	--

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE

LOCATION.--Lat 35°32'15", long 90°29'05", in SE1/4NE1/4 sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi northwest of Marked Tree.

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

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: October 1990 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,690 mg/L December 6, 1991; minimum daily mean, 13 mg/L, January 1, 1993.

SEDIMENT LOADS: Maximum daily, 96,600 tons, December 6, 1991; minimum daily, 2.2 tons, Nov. 12, 1994.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 783 mg/L, April 3; minimum daily mean, 16 mg/L, December 14-18.

SEDIMENT LOADS: Maximum daily, 11,000 tons, April 3; minimum daily, 6.6 tons, September 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV									
29...	0915	80513	82913	1190	278	8.1	9.0	0.18	9.1
DEC									
13...	1355	80513	82913	844	298	8.1	7.5	0.12	7.8
JAN									
24...	1015	80513	82913	4320	213	7.2	2.0	0.06	13.0
24...	1040	80513	82913	792	--	--	2.0	0.06	--
24...	1050	80513	82913	37	--	--	3.0	0.06	--
24...	1105	80513	82913	82	--	--	3.0	0.06	--
FEB									
21...	1545	80513	82913	2750	217	7.2	8.0	0.15	10.4
21...	1615	80513	82913	361	--	--	9.0	0.18	--
MAR									
21...	0825	80513	82913	2000	285	7.5	7.0	0.12	10.8
21...	0905	80513	82913	156	--	--	7.0	0.09	--
APR									
17...	0825	80513	82913	3160	211	7.2	15.5	0.12	9.2
17...	0855	80513	82913	387	--	--	14.0	0.09	--
MAY									
22...	1615	80513	82913	5580	173	7.0	24.0	0.12	8.1
22...	1650	80513	82913	1280	--	--	24.0	0.09	--
JUN									
12...	0845	80513	82913	7720	140	7.1	20.5	0.06	7.2
12...	0915	80513	82913	1970	--	--	20.5	0.09	--
12...	0940	80513	82913	107	--	--	20.5	0.06	--

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SAMPLE SOURCE (72005)	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)
NOV									
29...	0915	79	--	45	145	99	99	100	--
DEC									
13...	1355	65	--	60	137	71	71	86	100
JAN									
24...	1015	94	67	260	3030	97	99	100	--
24...	1040	--	68	261	558	97	97	98	100
24...	1050	--	68	160	16	97	97	100	--
24...	1105	--	68	435	96	99	99	100	--
FEB									
21...	1545	89	67	38	282	96	96	98	100
21...	1615	--	68	47	46	85	85	100	--
MAR									
21...	0825	89	67	65	351	99	99	100	--
21...	0905	--	68	88	37	97	97	99	100
APR									
17...	0825	93	67	47	401	96	96	96	100
17...	0855	--	68	57	60	95	95	95	100
MAY									
22...	1615	97	67	88	1330	78	82	89	96
22...	1650	--	68	173	598	60	82	96	100
JUN									
12...	0845	81	67	329	6860	91	94	99	100
12...	0915	--	68	364	1940	99	99	100	--
12...	0940	--	68	233	67	97	99	100	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV									
29...	0915	--	5	50	93	97	100	--	--
DEC									
13...	1355	--	12	58	96	99	100	--	--
JAN									
24...	1015	--	7	43	88	93	98	98	100
24...	1040	--	1	1	29	93	99	99	100
24...	1050	--	50	70	85	100	--	--	--
24...	1105	--	11	29	70	93	97	97	100
FEB									
21...	1545	--	47	72	91	97	100	--	--
21...	1615	--	1	2	61	97	100	--	--
MAR									
21...	0825	--	29	64	94	100	--	--	--
21...	0905	--	3	4	64	97	100	--	--
APR									
17...	0825	--	20	56	98	100	--	--	--
17...	0855	--	1	2	59	98	100	--	--
MAY									
22...	1615	100	10	63	97	99	100	--	--
22...	1650	--	2	3	65	98	100	--	--
JUN									
12...	0845	--	7	50	93	97	100	--	--
12...	0915	--	8	53	94	99	100	--	--
12...	0940	--	8	48	93	97	100	--	--

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	e900	86	208	1150	82	253	e1140	43	132
2	e1000	73	197	e1120	76	229	e1100	36	107
3	e1070	54	156	e1090	73	215	e1080	35	102
4	1120	37	113	e1040	62	175	e1060	35	100
5	e1200	35	114	e990	61	163	e1020	35	96
6	e1240	35	118	e950	62	159	e980	35	92
7	e1300	36	128	e1100	160	475	e960	33	85
8	e1340	40	143	e1700	609	2800	e930	27	67
9	e1390	40	150	2730	578	4260	e910	25	62
10	e1420	40	154	3230	362	3160	e880	25	59
11	1460	40	159	2580	251	1750	e870	24	56
12	e1450	38	147	e2300	166	1030	e860	18	41
13	e1420	38	145	e2300	204	1270	844	17	38
14	e1390	38	143	e2400	234	1510	e820	16	36
15	e1360	38	140	e2320	181	1140	e810	16	35
16	e1290	39	135	e2150	150	871	e800	16	35
17	e1230	39	129	e1900	132	680	e810	16	35
18	e1200	39	127	e1670	118	531	e820	16	35
19	e1170	40	126	e1480	110	438	e900	112	271
20	e1130	40	122	e1300	103	362	e1200	460	1490
21	e1100	41	121	e1210	102	332	e1700	220	1010
22	e1050	41	116	e1200	95	307	2480	90	603
23	e1020	41	113	e1210	88	287	3070	50	418
24	e1000	42	113	e1220	86	283	2480	46	309
25	e990	43	115	e1230	79	262	e2320	45	281
26	e980	48	128	e1240	71	236	e2300	39	241
27	e970	51	133	e1230	62	205	e2350	38	241
28	e990	56	150	e1210	53	174	e2420	38	248
29	e1020	60	165	1190	46	147	e2500	37	249
30	e1070	71	206	e1070	45	130	e2550	31	212
31	e1120	75	228	---	---	---	e2540	30	205
TOTAL	36390	---	4442	47510	---	23834	45504	---	6991
	JANUARY			FEBRUARY			MARCH		
1	2500	29	196	5180	61	851	e940	53	134
2	2400	29	185	4760	60	765	e830	53	119
3	2500	31	210	4460	52	627	e740	53	106
4	2880	61	473	4460	51	614	e680	54	100
5	3300	50	447	4540	50	618	635	56	96
6	3240	42	364	4210	48	545	e640	58	100
7	2820	35	265	4290	51	586	e660	80	143
8	3040	33	271	4760	51	655	e710	73	140
9	2920	28	218	4670	51	645	e800	56	121
10	3090	26	218	4530	52	635	e900	54	131
11	2640	38	270	4220	52	592	e1050	54	153
12	3450	254	2360	3970	52	557	e1200	54	175
13	4600	272	3380	3430	52	482	e1300	55	192
14	5320	129	1860	2910	52	409	e1430	59	229
15	5730	76	1170	3390	52	476	e1510	60	245
16	5350	59	859	3550	52	498	e1620	61	265
17	4440	48	578	2890	52	406	e1730	64	301
18	4620	51	635	e2810	52	394	e1800	65	317
19	5080	79	1080	e2950	52	414	e1910	66	340
20	5360	58	834	e3050	52	429	e2010	66	359
21	5080	45	620	3060	53	436	2160	67	389
22	4820	43	564	3080	53	441	e2220	66	396
23	5220	63	889	e2750	53	393	e2190	66	390
24	5480	254	3750	e2200	53	315	e2200	83	493
25	6130	204	3370	e1700	53	243	e2400	287	1860
26	6750	121	2200	e1500	53	215	e2800	217	1640
27	7010	83	1560	e1300	53	186	3330	157	1410
28	6820	70	1290	e1200	53	172	3690	118	1180
29	6520	63	1120	e1070	53	153	3690	95	945
30	6200	65	1080	---	---	---	3100	83	692
31	5480	61	900	---	---	---	2950	81	644
TOTAL	140790	---	33216	96890	---	13752	53825	---	13805

e Estimated

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	3690	164	1630	8300	216	4850	9120	63	1550
2	4480	709	8580	9270	141	3520	8610	53	1230
3	5210	783	11000	9200	114	2840	8140	64	1400
4	5380	444	6450	8610	101	2350	7750	113	2370
5	4750	218	2800	7910	88	1880	7470	131	2640
6	3710	180	1800	7260	246	4830	6840	269	4970
7	3500	168	1580	6640	244	4370	7140	253	4880
8	3230	157	1370	7670	165	3410	7770	144	3010
9	3060	146	1200	8190	125	2760	8320	136	3060
10	3330	134	1210	8520	134	3090	8580	136	3160
11	3650	120	1180	8840	117	2790	9130	186	4590
12	2880	107	836	9100	116	2840	9500	283	7260
13	3280	90	796	9630	222	5760	9670	235	6150
14	3810	75	767	10100	157	4290	9570	186	4810
15	3790	62	632	10300	128	3560	9220	141	3510
16	3410	56	513	10100	73	1980	8720	127	3000
17	2920	51	404	9740	54	1410	7880	117	2490
18	2930	51	402	9370	51	1300	6540	173	3060
19	e3000	50	405	8800	52	1230	5150	283	3940
20	e3060	49	406	8310	50	1130	4740	160	2050
21	e3180	49	420	7740	67	1390	4780	117	1510
22	3380	63	579	7040	166	3150	4630	95	1190
23	4560	269	3310	6840	77	1420	4200	91	1030
24	5020	155	2110	6380	98	1680	3850	88	915
25	5210	109	1530	5860	114	1810	3490	89	838
26	6270	192	3240	5760	94	1460	3640	105	1030
27	6710	147	2660	5760	81	1260	3730	101	1020
28	5820	104	1630	5870	148	2340	3320	84	756
29	5260	72	1020	6900	239	4450	3050	72	597
30	6280	192	3260	8360	140	3150	e2920	66	520
31	---	---	---	9450	87	2210	---	---	---
TOTAL	124760	---	63720	251820	---	84510	197470	---	78536
	JULY			AUGUST			SEPTEMBER		
1	e2750	61	452	5550	430	6450	e75	40	8.1
2	e2200	56	335	6090	232	3810	e69	40	7.5
3	e1900	55	283	5630	281	4270	e65	40	7.0
4	e1670	56	251	5850	211	3340	e62	41	6.8
5	e1450	54	213	5550	148	2210	e61	40	6.6
6	e1300	55	194	3750	126	1280	e65	40	7.0
7	e1220	53	176	e2700	109	796	e71	40	7.7
8	e1130	54	164	e2100	97	548	e73	41	8.1
9	e1080	52	151	e1600	85	365	e74	41	8.2
10	1040	49	139	e1200	73	235	e74	41	8.2
11	e1010	50	136	e980	61	160	e73	42	8.3
12	e1000	51	138	e800	50	109	e71	47	9.1
13	e960	51	133	e650	47	83	e69	48	8.9
14	e910	49	119	e540	38	56	e68	48	8.8
15	e890	49	118	e460	37	46	e67	94	17
16	e880	50	119	e390	38	40	e300	648	525
17	e870	51	120	e340	38	35	e1500	307	1240
18	e860	52	121	e290	38	30	e1300	128	449
19	e860	53	123	e260	38	27	e1150	88	272
20	e860	54	125	e230	38	24	e1000	84	227
21	e870	58	136	e200	38	21	e950	79	202
22	e900	87	212	e180	38	18	e900	92	224
23	e1000	185	499	e160	38	16	e1500	430	1740
24	e1140	218	671	e140	39	15	2500	241	1630
25	1410	168	641	e130	39	14	e2150	70	409
26	e1600	119	515	e120	39	13	e2000	57	310
27	e1750	104	490	e110	39	12	e2100	58	328
28	e1950	93	490	e100	39	11	e2150	58	337
29	e2200	117	698	e92	39	9.7	2260	58	354
30	e2600	188	1320	e85	39	9.0	2380	58	373
31	3380	214	1950	e79	40	8.5	---	---	---
TOTAL	43640	---	11232	46356	---	24061.2	25177	---	8747.3
YEAR	1110132		366846.5						

e Estimated

07047815 CROSS COUNTY DITCH NEAR BIRDEYE

LOCATION.--Lat 35°21'38", long 90°39'00", in NE1/4SE1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42 2.3 mi east of Birdeye.

DRAINAGE AREA.--Not determined

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1995, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 166.02 ft above sea level. Prior to October 1995 non-recording gage at same site and datum.

REMARKS.--Water-discharge records fair, except estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	1360	1390	2730	5450	2040	3490	6570	10000	e1300	4610	120
2	846	819	1200	3150	5200	2400	4350	8310	9360	e1200	5480	107
3	1390	657	1380	2890	4840	2410	5140	8460	8490	e1100	5070	102
4	1030	575	1350	3410	5820	1530	5710	7880	7720	e1050	5200	93
5	928	433	1180	3600	7550	727	5280	7090	7260	e980	5100	106
6	965	403	1130	3690	8480	814	3980	6580	6850	e930	4180	199
7	828	472	1060	3140	5800	1510	3670	6110	7210	e890	2090	171
8	788	1100	1170	3550	4940	2070	3460	6470	7630	863	1200	146
9	904	2700	1040	3410	4800	2530	3210	7070	8440	964	930	198
10	760	3400	989	3770	4640	2730	3310	7350	8550	1040	613	205
11	1050	2890	1040	3160	4360	2470	3680	8180	9100	1360	504	146
12	790	1350	1070	3670	4090	1640	3470	8480	9680	622	347	125
13	958	2170	1110	4830	3720	1380	3170	9030	8890	544	316	103
14	906	2720	1150	5640	2790	1440	3820	9800	e8000	679	509	94
15	528	1830	1160	6100	3290	1580	3950	10400	e6900	602	238	98
16	905	979	1140	5900	3600	2050	3690	10500	e6000	576	164	268
17	710	906	1090	4540	3380	1280	3250	10200	e5100	694	247	344
18	718	862	1130	4500	2570	1200	2910	9850	e4400	839	358	427
19	731	734	1440	5070	1450	1350	2490	9450	e4000	1080	195	458
20	816	801	1280	5470	2420	1690	2300	8960	e3500	656	183	443
21	666	940	1700	5380	3100	2200	2400	8600	e3200	464	226	402
22	753	959	2640	4740	3200	1680	3100	7930	e2800	811	274	356
23	624	994	3340	5360	2150	1440	4330	7820	e2500	1270	249	967
24	750	1070	3220	5740	1870	1600	4580	7640	e2300	1020	209	2380
25	984	1220	2490	6460	1730	2130	4660	7220	e2100	1320	166	1250
26	1280	1410	2670	7310	1260	2010	5150	7130	e1900	1330	139	912
27	453	1270	2190	7820	1020	3130	5850	7150	e1700	1820	149	463
28	301	1200	2030	7760	1080	3680	5510	7320	e1600	1080	155	520
29	678	1270	2120	7370	1310	3780	4780	7520	e1500	1200	115	1690
30	1760	1250	2090	6970	---	3490	5350	8520	e1400	1280	113	2660
31	1170	---	2350	6330	---	2900	---	10000	---	1970	122	---
TOTAL	27020	38744	50339	153460	105910	62881	120040	253590	168080	31534	39451	15553
MEAN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
MAX	1760	3400	3340	7820	8480	3780	5850	10500	10000	1970	5480	2660
MIN	301	403	989	2730	1020	727	2300	6110	1400	464	113	93
MED	828	1080	1280	4830	3380	2010	3750	7930	6420	1020	274	236
AC-FT	53590	76850	99850	304400	210100	124700	238100	503000	333400	62550	78250	30850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
MAX	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	1066602	
ANNUAL MEAN	2914	
HIGHEST DAILY MEAN	10500	May 16
LOWEST DAILY MEAN	93	Sep 4
ANNUAL SEVEN-DAY MINIMUM	109	Aug 30
INSTANTANEOUS PEAK FLOW	10500	May 16
INSTANTANEOUS PEAK STAGE	28.91	May 16
INSTANTANEOUS LOW FLOW	90	Sep 4
ANNUAL RUNOFF (AC-FT)	2116000	
10 PERCENT EXCEEDS	7360	
50 PERCENT EXCEEDS	1820	
90 PERCENT EXCEEDS	353	

eEstimated

07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
29...	1105	80513	82913	1250	8.0	0.18	57	192	94	94
DEC										
14...	1215	80513	82913	1290	7.5	0.15	50	174	86	86
JAN										
24...	1320	80513	82913	5900	3.0	0.06	342	5450	87	92
FEB										
22...	1105	80513	82913	3200	9.5	0.09	66	570	88	98
MAR										
21...	1035	80513	82913	2350	8.0	0.12	132	838	76	93
APR										
17...	1105	80513	82913	3580	14.0	0.12	67	648	82	89
MAY										
22...	1815	80513	82913	7200	24.0	0.09	91	1770	92	95
JUN										
12...	1025	80513	82913	10300	20.5	0.06	498	13800	87	93

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
29...	1105	94	100	1	3	33	97	100	--
DEC									
14...	1215	100	--	3	8	74	100	--	--
JAN									
24...	1320	98	100	0	0	9	75	100	--
FEB									
22...	1105	99	100	6	18	62	92	100	--
MAR									
21...	1035	97	100	0	1	12	82	99	100
APR									
17...	1105	93	100	6	23	79	100	--	--
MAY									
22...	1815	97	100	17	64	97	99	100	--
JUN									
12...	1025	99	100	11	50	92	99	100	--

07047882 STRAIGHT SLOUGH NEAR BIRDEYE

LOCATION.--Lat 35°21'45", long 90°39'26", in NE1/4SW1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42 1.78 mi east of Birdeye.

DRAINAGE AREA.--Not determined

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1989, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 172.75 ft above sea level. Prior to October 1995 non-recording gage at same site and datum.

REMARKS.--Water-discharge records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e52	64	96	99	420	232	595	1870	e140	e160	506	62
2	66	74	96	241	396	193	427	e1300	e150	e150	937	66
3	100	80	93	555	479	176	542	e800	e150	e150	803	58
4	125	70	92	375	1760	156	707	e650	e160	e140	e540	54
5	74	64	90	232	3880	152	621	e580	e170	e130	e170	49
6	57	70	89	262	4720	208	350	e540	e180	e130	e50	52
7	55	1240	85	139	2410	274	251	e600	e190	e120	e58	58
8	53	4150	85	191	707	236	203	e900	e210	e120	81	52
9	51	1210	86	184	517	188	163	e1300	e220	115	127	49
10	50	395	86	174	454	178	160	e1000	e240	103	141	49
11	50	814	85	156	369	169	206	e700	e260	105	113	43
12	50	785	81	339	299	152	206	e550	e270	111	96	50
13	48	265	81	447	245	146	217	e440	e290	120	90	47
14	47	176	78	519	121	143	492	e340	e310	118	83	43
15	48	142	80	595	145	142	337	e300	e330	125	82	44
16	47	123	78	612	191	141	254	e280	e330	140	82	607
17	47	115	77	394	187	140	183	e240	e320	133	80	1100
18	48	109	138	341	118	141	136	e220	e300	153	79	399
19	49	105	823	445	757	229	192	e190	e280	123	85	186
20	50	100	689	458	4180	283	474	e180	e270	107	81	112
21	52	99	244	454	1520	194	309	e160	e260	105	77	85
22	52	96	153	338	585	158	443	e150	e250	97	69	71
23	50	101	174	381	293	140	1020	e140	e240	186	71	60
24	52	132	209	528	216	136	721	e140	e230	316	69	81
25	54	137	101	581	184	1230	600	e140	e220	200	71	e60
26	57	112	110	632	170	976	708	e130	e210	151	73	e50
27	67	107	89	759	170	324	1110	e130	e200	125	73	e75
28	122	107	86	799	833	314	1040	e130	e190	115	78	e115
29	92	103	83	720	495	527	1370	e140	e180	109	75	e170
30	67	99	85	628	---	416	3220	e140	e170	138	69	e250
31	62	---	91	537	---	380	---	e140	---	185	61	---
TOTAL	1894	11244	4533	13115	26821	8474	17257	14520	6920	4280	5070	4197
MEAN	61.1	375	146	423	925	273	575	468	231	138	164	140
MAX	125	4150	823	799	4720	1230	3220	1870	330	316	937	1100
MIN	47	64	77	99	118	136	136	130	140	97	50	43
AC-FT	3760	22300	8990	26010	53200	16810	34230	28800	13730	8490	10060	8320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	61.1	375	146	423	925	273	575	1420	231	138	164	140
MAX	61.1	375	146	423	925	273	575	1420	231	138	164	140
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	61.1	375	146	423	925	273	575	1420	231	138	164	140
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	118325	
ANNUAL MEAN	323	
HIGHEST DAILY MEAN	4720	Feb 6
LOWEST DAILY MEAN	43	Sep 11
ANNUAL SEVEN-DAY MINIMUM	46	Sep 9
INSTANTANEOUS PEAK FLOW	5030	Feb 5
INSTANTANEOUS PEAK STAGE	19.43	Jun 1
INSTANTANEOUS LOW FLOW	39	Sep 14
ANNUAL RUNOFF (AC-FT)	234700	
10 PERCENT EXCEEDS	707	
50 PERCENT EXCEEDS	153	
90 PERCENT EXCEEDS	58	

[e]Estimated

07047900 ST. FRANCIS BAY AT RIVERFRONT

LOCATION.--Lat 35°15'34", long 90°40'48", in W1/2 sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
16.	1235	80513	82913	561	386	7.9	18.5	0.18	8.0
NOV									
30.	0850	80513	82913	1160	306	8.1	8.0	0.18	11.8
DEC									
13.	1515	80513	82913	1040	287	8.1	7.0	0.18	7.4
JAN									
24.	1600	80513	82913	6230	236	7.3	4.0	0.06	11.7
FEB									
22.	0845	80513	82913	3520	168	7.6	9.5	0.06	9.8
MAR									
21.	1345	80513	82913	2350	306	7.4	9.0	0.09	10.6
APR									
17.	1330	80513	82913	3390	240	7.2	15.5	0.09	10.8
MAY									
23.	1000	80513	82913	6370	172	7.1	23.5	0.09	7.2
JUN									
12.	1200	80513	82913	9560	140	7.1	20.5	0.09	8.2
JUL									
10.	1415	80513	82913	847	352	7.8	29.0	0.09	8.4
AUG									
06.	1630	80513	82913	4080	194	7.8	26.5	0.09	8.0
SEP									
04.	1515	80513	82913	167	452	8.0	26.0	0.15	8.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)
OCT								
16.	1235	86	28	42	96	96	100	--
NOV								
30.	0850	100	50	157	92	92	100	--
DEC								
13.	1515	61	40	112	79	79	90	100
JAN								
24.	1600	89	401	6750	82	87	99	100
FEB								
22.	0845	87	560	5320	18	19	61	100
MAR								
21.	1345	92	93	590	76	76	100	--
APR								
17.	1330	108	697	6380	10	11	68	100
MAY								
23.	1000	86	112	1930	83	98	99	100
JUN								
12.	1200	92	686	17700	67	79	100	--
JUL								
10.	1415	110	112	256	88	88	92	100
AUG								
06.	1630	100	--	--	99	100	--	--
SEP								
04.	1515	100	72	32	100	--	--	--

DATE	TIME	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. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
OCT								
16.	1235	1	1	15	90	100	--	--
NOV								
30.	0850	4	27	72	96	100	--	--
DEC								
13.	1515	27	66	94	97	100	--	--
JAN								
24.	1600	0	0	34	97	100	--	--
FEB								
22.	0845	1	1	36	96	100	--	--
MAR								
21.	1345	0	0	29	92	100	--	--
APR								
17.	1330	23	61	88	95	100	--	--
MAY								
23.	1000	2	2	33	95	100	--	--
JUN								
12.	1200	80	87	91	95	100	--	--
JUL								
10.	1415	0	0	44	96	100	--	--
AUG								
06.	1630	58	78	98	100	--	--	--
SEP								
04.	1515	0	0	20	99	99	99	100

07047904 CLARK CORNER CUT-OFF NEAR COLT

LOCATION.--Lat 35°08'41", long 90°39'23", in NW1/4NE1/4 sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on Old Military Road 9.0 mi east of Colt.

DRAINAGE AREA.--Not determined

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1995, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 154.87 ft above sea level. Prior to October 1995 non-recording gage at same site and datum. Water-stage recorder from St. Francis Bay at Riverfront (07047900) 9.1 mi upstream used as auxiliary gage for this station at datum 171.25 ft above sea level.

REMARKS.--Water-discharge records fair, except estimated daily discharges Dec. 15 to Jan. 9, June 5-16, and Sept. 25-30, which are poor.

COOPERATION.--Gage-height record for the auxiliary gage provided by the U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1000	1250	1420	e3000	4500	1920	3320	8590	9510	2300	5930	e285
2	1100	1080	1320	e3300	4280	2300	3720	11700	9350	1940	8130	280
3	1390	909	1400	e3700	4140	2340	4400	10700	8380	1930	7330	267
4	1280	846	1420	e3900	4860	1820	5200	8990	7580	1750	7480	254
5	1070	807	1330	e3900	5020	1180	4900	7240	e6900	1160	7370	242
6	1020	755	1240	e3900	5180	962	3690	6170	e6600	912	5970	327
7	1010	1070	1190	e4300	7230	1450	3370	6370	e7300	1260	3310	383
8	1010	3470	1220	e4100	4840	1950	3190	6440	e8700	1060	1790	301
9	878	3480	1210	e3800	4400	2350	2920	6720	e9200	949	1410	333
10	1020	3570	1150	3560	4350	2590	2960	6930	e8800	961	1040	374
11	961	3800	1140	3180	4270	2470	3380	8850	e9200	1320	858	328
12	1020	2210	1190	3500	4120	1770	3360	8910	e9400	821	669	270
13	961	2060	1210	4890	3790	1490	3020	8440	e9500	546	549	251
14	1020	2650	1220	5930	2820	1510	4040	9050	e9600	613	686	228
15	909	2170	e1200	6570	3130	1550	3990	9690	e8900	659	556	e400
16	832	1330	e1300	6680	3480	1900	3690	9820	e8100	582	393	779
17	965	1090	e1500	4910	3350	1610	3210	9630	7340	665	370	1660
18	873	1050	e2500	4440	2620	1280	2740	9290	7190	784	585	1200
19	875	980	e2300	5240	1940	1450	2620	8880	5300	1020	439	891
20	904	933	e2100	5610	5280	1690	2890	8580	4250	749	376	763
21	896	981	e1900	5770	4110	2080	2630	8260	3990	521	396	673
22	864	1110	e2600	4590	3490	1840	3220	7770	3810	548	455	583
23	869	1100	e3600	5180	2360	1530	5490	7680	3510	1170	466	816
24	854	1150	e3000	6290	1960	1500	5770	7640	3180	1240	434	2820
25	917	1260	e3400	6680	1750	2950	5630	7360	3110	1370	400	e1600
26	1330	1450	e3100	7220	1600	2690	6350	7270	3290	1340	342	e1000
27	988	1380	e3000	7770	1190	3020	8080	7300	3610	1740	367	e700
28	750	1290	e2900	7530	1550	3490	7070	7540	3620	1270	385	e1200
29	750	1320	e2800	6850	1730	3720	5830	7400	3340	1090	319	e2200
30	1410	1310	e2700	6210	---	3380	9500	7910	2920	1250	295	e4200
31	1380	---	e2700	5560	---	2650	---	9020	---	1590	e290	---
TOTAL	31106	47861	60260	158060	103340	64432	130180	256140	195480	35110	59390	25608
MEAN	1003	1595	1944	5099	3563	2078	4339	8263	6516	1133	1916	854
MAX	1410	3800	3600	7770	7230	3720	9500	11700	9600	2300	8130	4200
MIN	750	755	1140	3000	1190	962	2620	6170	2920	521	290	228
AC-FT	61700	94930	119500	313500	205000	127800	258200	508100	387700	69640	117800	50790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
MAX	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1996 WATER YEAR	
ANNUAL TOTAL	1166967	
ANNUAL MEAN	3188	
HIGHEST DAILY MEAN	11700	May 2
LOWEST DAILY MEAN	228	Sep 14
ANNUAL SEVEN-DAY MINIMUM	273	Aug 30
INSTANTANEOUS PEAK FLOW	14500	Feb 7
INSTANTANEOUS PEAK STAGE	25.93	Feb 7
INSTANTANEOUS LOW FLOW	227	Sep 14
ANNUAL RUNOFF (AC-FT)	2315000	
10 PERCENT EXCEEDS	7600	
50 PERCENT EXCEEDS	2250	
90 PERCENT EXCEEDS	583	

eEstimated

07047904 CLARK CORNER CUTOFF NEAR COLT--CONTINUED
WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)
NOV									
29...	1405	80513	82913	1310	8.0	0.18	57	202	99
DEC									
14...	0920	80513	82913	1170	7.0	0.09	68	215	99
JAN									
25...	0915	80513	82913	5670	2.0	0.06	334	5110	96
FEB									
22...	1335	80513	82913	3650	8.5	0.12	106	1040	99
MAR									
22...	0845	80513	82913	1990	8.0	0.12	72	387	99
APR									
17...	1500	80513	82913	3330	15.5	0.12	76	683	99
MAY									
22...	1915	80513	82913	7440	24.0	0.09	681	13700	85
JUN									
12...	1415	80513	82913	9470	20.5	0.09	316	8080	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	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									
29...	1405	99	99	100	1	1	22	95	100
DEC									
14...	0920	99	100	--	1	1	12	90	100
JAN									
25...	0915	98	99	100	2	2	54	98	100
FEB									
22...	1335	99	100	--	3	4	47	98	100
MAR									
22...	0845	99	100	--	1	1	55	99	99
APR									
17...	1500	99	100	--	1	1	17	93	100
MAY									
22...	1915	95	100	--	73	89	97	100	--
JUN									
12...	1415	99	100	--	7	57	94	99	100

07047907 ST. FRANCIS RIVER AT MADISON

LOCATION.--Lat 35°00'38", long 90°43'05", in NE1/4SW1/4 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 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
12...	1015	80513	82913	1180	406	8.1	19.5	0.12	7.8	85	56
NOV											
29...	1545	80513	82913	1290	280	8.0	8.0	0.18	11.2	94	68
DEC											
14...	0815	80513	82913	1250	305	8.1	7.5	0.15	7.4	62	43
JAN											
25...	0800	80513	82913	6010	217	7.3	3.0	0.06	12.2	90	343
FEB											
22...	1515	80513	82913	3920	188	7.5	9.0	0.06	10.0	88	140
MAR											
21...	1515	80513	82913	2200	290	7.1	9.0	0.12	10.5	91	89
APR											
18...	0815	80513	82913	3110	235	7.3	15.5	0.09	9.4	95	102
MAY											
23...	0805	80513	82913	6290	166	6.9	23.5	0.09	5.0	60	57
JUN											
12...	1505	80513	82913	9970	191	7.1	20.5	0.09	7.2	81	328
JUL											
11...	0815	80513	82913	1280	333	7.9	25.0	0.12	7.1	86	84
AUG											
07...	0845	80513	82913	3850	310	8.1	26.5	0.09	7.8	97	190
SEP											
05...	1015	80513	82913	250	460	8.1	26.5	0.09	8.0	101	96

DATE	TIME	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...	1015	178	99	100	--	--	49	66	96	98	100
NOV											
29...	1545	237	95	97	100	--	1	1	22	95	100
DEC											
14...	0815	145	98	98	100	--	6	29	93	97	100
JAN											
25...	0800	5570	98	99	100	--	32	65	96	100	--
FEB											
22...	1515	1480	95	95	98	100	41	70	92	100	--
MAR											
21...	1515	529	98	98	100	--	30	58	94	99	100
APR											
18...	0815	856	96	96	100	--	90	94	98	100	--
MAY											
23...	0805	968	95	95	98	100	1	1	35	95	100
JUN											
12...	1505	8830	91	94	100	--	6	48	93	99	100
JUL											
11...	0815	290	97	98	100	--	6	49	97	98	100
AUG											
07...	0845	1980	96	99	100	--	58	84	99	100	--
SEP											
05...	1015	65	100	--	--	--	38	54	96	100	--

07047942 L'ANGUILLE RIVER NEAR COLT

LOCATION.--Lat 35°08'40", long 90°52'40", in NE1/4NW1/4 sec.15, T.6 N.,R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft above sea level.

REMARKS.--Water-discharge records good, except estimated daily discharges Oct. 15-31, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	59	32	88	295	583	507	590	178	36	180	233
2	284	66	30	152	258	602	472	628	212	29	191	228
3	538	78	26	226	241	597	451	626	162	25	196	217
4	449	78	24	201	241	578	426	597	145	23	187	199
5	390	77	22	220	241	556	390	558	139	23	164	189
6	360	76	20	244	175	541	350	521	132	24	130	180
7	340	115	19	242	97	540	310	636	262	25	99	167
8	312	171	18	226	84	519	268	847	477	25	72	154
9	274	189	25	198	73	497	236	1260	519	40	67	143
10	227	298	23	168	64	474	214	1750	650	49	62	133
11	179	412	18	153	55	448	176	1870	777	43	74	122
12	135	452	16	155	47	406	147	1630	838	36	95	108
13	104	483	15	139	42	363	194	1420	829	33	109	98
14	77	520	15	137	40	315	236	1270	785	29	117	95
15	e55	527	15	143	41	270	241	1050	676	49	118	88
16	e46	514	14	144	49	231	277	901	578	57	109	259
17	e42	492	14	140	57	189	288	813	524	47	92	459
18	e39	461	63	140	58	155	271	739	497	43	87	518
19	e34	423	254	161	129	197	242	662	496	56	109	586
20	e32	379	245	155	307	203	441	592	475	66	111	621
21	e30	322	232	170	307	215	605	526	479	65	129	621
22	e28	260	261	181	404	233	679	454	481	56	152	605
23	e27	200	278	194	460	231	811	377	450	56	164	579
24	e26	151	272	433	467	210	867	309	390	58	172	553
25	e25	109	251	417	458	517	884	233	323	53	162	528
26	e25	80	223	427	446	492	847	158	254	64	149	494
27	e26	60	193	443	446	468	778	103	174	77	154	619
28	e31	46	162	430	546	476	692	511	106	79	257	695
29	e40	39	128	402	549	476	626	460	61	90	241	695
30	e48	35	100	367	---	452	583	354	41	123	234	741
31	e56	---	90	330	---	538	---	258	---	161	231	---
TOTAL	4339	7172	3098	7226	6677	12572	13509	22703	12110	1640	4414	10927
MEAN	140	239	99.9	233	230	406	450	732	404	52.9	142	364
MAX	538	527	278	443	549	602	884	1870	838	161	257	741
MIN	25	35	14	88	40	155	147	103	41	23	62	88
AC-FT	8610	14230	6140	14330	13240	24940	26800	45030	24020	3250	8760	21670
CFSM	.26	.45	.19	.44	.43	.76	.84	1.37	.75	.10	.27	.68
IN.	.30	.50	.22	.50	.46	.87	.94	1.58	.84	.11	.31	.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	296	688	1249	1013	1076	1064	1148	806	518	257	254	482
MAX	1509	2807	3145	2857	4091	2977	3428	3033	2617	1507	608	2784
(WY)	1991	1989	1979	1991	1989	1975	1991	1983	1974	1994	1971	1978
MIN	5.10	23.3	11.9	43.2	151	222	229	39.6	25.3	23.8	63.8	74.1
(WY)	1995	1972	1990	1986	1972	1982	1992	1992	1988	1993	1980	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1971 - 1996	
ANNUAL TOTAL	158337		106387			
ANNUAL MEAN	434		291		735	
HIGHEST ANNUAL MEAN					1321	1989
LOWEST ANNUAL MEAN					271	1972
HIGHEST DAILY MEAN	4110	Jan 20	1870	May 11	15000	Dec 29 1987
LOWEST DAILY MEAN	14	Dec 16	14	Dec 16	1.0	Oct 27 1971
ANNUAL SEVEN-DAY MINIMUM	15	Dec 11	15	Dec 11	1.0	Oct 9 1992
INSTANTANEOUS PEAK FLOW			1910	May 11	16600	Apr 29 1991
INSTANTANEOUS PEAK STAGE			12.82	May 11	[a]17.34	Dec 30 1987
INSTANTANEOUS LOW FLOW			14	Dec 16,17	.99	Jul 20 1980
ANNUAL RUNOFF (AC-FT)	314100		211000		532700	
ANNUAL RUNOFF (CFSM)	.81		.54		1.37	
ANNUAL RUNOFF (INCHES)	11.01		7.40		18.67	
10 PERCENT EXCEEDS	936		605		1920	
50 PERCENT EXCEEDS	249		211		358	
90 PERCENT EXCEEDS	45		35		31	

[a]From floodmark
[e]Estimated

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
12.	1155	80513	82913	132	4.90	378	8.0	761	20.5	0.12	7.8
NOV											
08.	1305	80513	81213	166	--	268	7.4	771	10.5	--	7.8
30.	1000	80513	80513	33	3.60	290	7.9	760	9.0	--	6.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT											
12.	1155	87	--	--	--	--	--	--	--	--	--
NOV											
08.	1305	69	>2000	>2000	91	22	8.8	10	17	0.5	9.1
30.	1000	53	--	--	--	--	--	--	--	--	--

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
NOV											
08.	1305	78	14	18	0.20	9.7	158	143	0.21	70.8	0.560

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
08.	1305	0.560	2.5	0.030	0.10	0.590	0.590	0.220	0.28	0.49	0.71

DATE	TIME	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
NOV											
08.	1305	1.3	0.210	0.64	30	64	<0.50	<1.0	<5.0	<3.0	<10

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
NOV										
08.	1305	27	<10	<4	370	<10	<10	<1.0	80	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	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)
OCT										
12.	1155	--	103	37	--	99	100	90	98	100
NOV										
08.	1305	<4.0	158	71	99	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
04...	1145	80513	80513	50.0	0.10	0.20	62.0	22
04...	1146	80513	80513	50.0	0.10	0.20	67.0	--
04...	1147	80513	80513	50.0	0.40	0.80	72.0	--
04...	1148	80513	80513	50.0	0.40	0.80	77.0	--
04...	1149	80513	80513	50.0	0.50	1.00	82.0	--
04...	1150	80513	80513	50.0	0.40	0.80	87.0	--
04...	1151	80513	80513	50.0	0.40	0.80	92.0	--
04...	1152	80513	80513	50.0	0.40	0.80	97.0	--
04...	1153	80513	80513	50.0	0.10	0.20	102	--
04...	1154	80513	80513	50.0	0.10	0.20	107	--

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
DEC							
04...	1145	252	6.9	10.5	6.7	60	763
04...	1146	252	6.9	10.5	6.7	60	763
04...	1147	252	6.9	10.5	6.7	60	763
04...	1148	252	6.9	10.5	6.6	60	763
04...	1149	252	7.0	10.5	6.6	60	763
04...	1150	251	7.0	10.5	6.6	60	763
04...	1151	252	6.9	10.5	6.6	59	763
04...	1152	252	7.0	10.5	7.6	68	763
04...	1153	252	7.0	11.0	6.7	60	763

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN										
17...	0900	80513	81213	138	--	312	7.0	756	8.5	--
25...	1115	80513	82913	413	8.48	228	7.5	763	3.0	0.03
FEB										
23...	0815	80513	82913	460	8.98	211	7.2	748	11.0	0.06
28...	1055	80513	81213	556	--	161	6.4	760	13.0	--
MAR										
22...	1000	80513	82913	210	6.01	229	6.8	760	7.0	0.06
APR										
18...	0900	80513	82913	263	6.57	185	6.7	758	16.5	0.06
MAY										
01...	1140	80513	81213	631	--	167	7.2	761	17.0	--
30...	1250	80513	82913	383	7.85	158	7.1	760	23.0	0.03
JUN										
06...	0745	80513	81213	138	--	225	7.1	763	25.0	--
12...	1600	80513	82913	824	11.47	132	7.0	754	25.5	0.06
JUL										
10...	1315	80513	80513	49	3.42	310	7.4	760	25.0	--
AUG										
06...	1230	80513	82913	106	4.54	501	7.8	760	26.5	0.06
SEP										
05...	0730	80513	82913	190	5.72	606	7.9	755	26.5	0.06

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN										
17...	0900	8.7	75	72	260	110	28	8.5	15	22
25...	1115	10.0	74	--	--	--	--	--	--	--
FEB										
23...	0815	6.7	62	--	--	--	--	--	--	--
28...	1055	6.2	59	>2000	>3000	51	13	4.5	7.0	21
MAR										
22...	1000	8.4	69	--	--	--	--	--	--	--
APR										
18...	0900	8.2	84	--	--	--	--	--	--	--
MAY										
01...	1140	4.3	45	K150	310	56	14	5.0	8.3	23
30...	1250	4.0	47	--	--	--	--	--	--	--
JUN										
06...	0745	3.8	46	170	320	79	20	7.0	11	22
12...	1600	7.0	87	--	--	--	--	--	--	--
JUL										
10...	1315	6.8	83	--	--	--	--	--	--	--
AUG										
06...	1230	4.2	53	--	--	--	--	--	--	--
SEP										
05...	0730	6.8	86	--	--	--	--	--	--	--

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JAN										
17...	0900	0.6	7.8	80	21	21	0.20	14	186	166
FEB										
28...	1055	0.4	5.3	39	13	8.9	0.20	7.1	112	88
MAY										
01...	1140	0.5	4.7	56	12	8.9	0.20	10	110	99
JUN										
06...	0745	0.5	5.6	66	16	12	0.20	10	142	126

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JAN										
17...	0900	0.25	69.3	0.330	0.330	1.5	0.010	0.03	0.340	0.340
FEB										
28	1055	0.15	168	0.870	0.870	3.9	0.040	0.13	0.910	0.910
MAY										
01...	1140	0.15	187	0.250	0.250	1.1	0.020	0.07	0.270	0.270
JUN										
06...	0745	0.19	52.9	0.800	0.800	3.5	0.110	0.36	0.910	0.910

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
JAN										
17...	0900	0.100	0.13	0.68	0.78	1.1	0.060	0.18	20	54
FEB										
28	1055	0.850	1.1	1.3	2.2	3.1	0.090	0.28	20	44
MAY										
01...	1140	0.110	0.14	0.65	0.76	1.0	0.050	0.15	20	52
JUN										
06...	0745	0.220	0.28	0.72	0.94	1.8	0.050	0.15	22	64

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JAN										
17...	0900	<0.50	<1.0	<5.0	<3.0	<10	38	<10	<4	65
FEB										
28	1055	<0.50	<1.0	<5.0	<3.0	<10	69	<10	<4	80
MAY										
01...	1140	<0.50	<1.0	<5.0	<3.0	<10	60	<10	<4	260
JUN										
06...	0745	<0.50	<0.50	<1.0	<3.0	<1.0	7.0	<1.0	1	450

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN										
17...	0900	<10	<10	<1.0	80	<6	<4.0	44	16	93
25...	1115	--	--	--	--	--	--	206	230	--
FEB										
23...	0815	--	--	--	--	--	--	163	202	--
28	1055	<10	<10	<1.0	50	<6	<4.0	363	545	98
MA, ...										
22...	1000	--	--	--	--	--	--	262	149	--
APR										
18...	0900	--	--	--	--	--	--	219	156	--
MAY										
01...	1140	<10	<10	<1.0	50	<6	<4.0	285	486	97
30...	1250	--	--	--	--	--	--	196	203	--
JUN										
06...	0745	<2.0	<1.0	<1.0	70	2	<1.0	280	104	99
12...	1600	--	--	--	--	--	--	236	525	--
AUG										
06...	1230	--	--	--	--	--	--	188	54	--

DATE	TIME	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)
JAN										
25...	1115	97	97	98	100	91	95	97	100	--
FEB										
23...	0815	97	97	97	100	91	94	98	100	--
MA, ...										
22...	1000	99	99	100	--	87	87	91	97	100
APR										
18...	0900	99	99	100	--	93	95	97	100	--
MAY										
30...	1250	97	97	100	--	95	97	99	100	--
JUN										
12...	1600	96	98	98	100	87	89	93	100	--
AUG										
06...	1230	100	--	--	--	99	100	--	--	--
SEP										
05...	0730	97	100	--	--	97	98	99	100	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS

LOCATION.--Lat 36°25'15", long 93°50'50", in NW1/4NW1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi west of Eureka Springs, and at mile 609.0.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
10...	1347	80513	0.0	182	142	7.9	740	22.0	8.1	95	4.40
10...	1348	80513	10.0	182	141	8.0	740	20.5	8.3	96	--
10...	1349	80513	20.0	182	141	8.0	740	20.5	8.1	93	--
10...	1350	80513	30.0	182	141	7.9	740	20.5	7.8	89	--
10...	1352	80513	47.0	182	141	7.2	740	19.5	4.2	47	--
10...	1353	80513	48.0	182	140	6.9	740	18.5	1.0	11	--
10...	1354	80513	50.0	182	141	6.9	740	17.5	0.5	5	--
10...	1355	80513	55.0	182	141	6.9	740	16.5	0.5	6	--
10...	1356	80513	60.0	182	141	6.9	740	16.0	0.8	8	--
10...	1357	80513	70.0	182	140	7.0	740	15.5	1.2	12	--
10...	1358	80513	80.0	182	137	7.0	740	14.5	1.8	18	--
10...	1359	80513	90.0	182	138	7.0	740	13.5	1.8	17	--
10...	1400	80513	100	182	133	7.0	740	12.5	2.1	20	--
10...	1401	80513	110	182	128	7.0	740	11.5	2.3	21	--
10...	1402	80513	120	182	125	7.0	740	10.5	1.9	17	--
10...	1403	80513	130	182	125	6.9	740	9.5	1.3	12	--
10...	1404	80513	140	182	125	6.9	740	9.0	1.2	10	--
10...	1405	80513	150	182	126	7.0	740	9.0	1.1	10	--
10...	1406	80513	160	182	128	7.0	740	8.5	0.7	7	--
10...	1407	80513	170	182	131	7.0	740	8.5	0.1	1	--
10...	1408	80513	180	182	134	7.0	740	8.5	0.1	1	--
10...	1409	80513	182	182	134	7.1	740	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	1055	80513	0.0	180	147	8.0	744	18.0	8.7	94	4.60
24...	1056	80513	10.0	180	147	8.0	744	18.0	8.5	93	--
24...	1058	80513	20.0	180	147	8.0	744	18.0	8.5	92	--
24...	1059	80513	30.0	180	147	7.9	744	18.0	8.4	92	--
24...	1100	80513	40.0	180	147	7.9	744	18.5	8.4	91	--
24...	1101	80513	50.0	180	147	7.9	744	18.0	8.4	91	--
24...	1102	80513	60.0	180	147	7.9	744	18.0	8.3	90	--
24...	1103	80513	63.0	180	147	7.7	744	18.0	7.8	85	--
24...	1105	80513	64.0	180	147	7.4	744	17.5	4.5	48	--
24...	1106	80513	65.0	180	147	7.0	744	16.0	0.7	7	--
24...	1107	80513	69.0	180	145	6.9	744	15.0	1.0	10	--
24...	1108	80513	70.0	180	145	6.9	744	15.0	1.0	10	--
24...	1110	80513	80.0	180	146	6.9	744	14.0	1.2	12	--
24...	1111	80513	90.0	180	143	6.9	744	13.5	1.5	15	--
24...	1112	80513	100	180	140	6.9	744	12.5	2.1	20	--
24...	1113	80513	110	180	137	6.9	744	11.5	2.2	20	--
24...	1114	80513	117	180	132	6.8	744	10.5	1.9	17	--
24...	1115	80513	120	180	131	6.8	744	10.5	1.6	15	--
24...	1116	80513	130	180	130	6.8	744	9.5	1.1	10	--
24...	1117	80513	140	180	130	6.8	744	9.0	1.0	9	--
24...	1118	80513	150	180	131	6.8	744	8.5	1.1	9	--
24...	1119	80513	160	180	134	6.8	744	8.5	0.4	4	--
24...	1120	80513	170	180	137	6.8	744	8.5	0.1	1	--
24...	1121	80513	180	180	139	6.8	744	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
08...	1125	80513	0.0	183	149	7.5	749	15.5	8.3	84	6.40
08...	1126	80513	10.0	183	149	7.5	749	15.5	8.1	82	--
08...	1127	80513	20.0	183	149	7.5	749	15.5	8.0	81	--
08...	1128	80513	30.0	183	147	7.5	749	15.5	7.9	80	--
08...	1129	80513	40.0	183	148	7.5	749	15.5	7.8	80	--
08...	1130	80513	50.0	183	149	7.5	749	15.5	7.8	79	--
08...	1131	80513	60.0	183	149	7.4	749	15.5	7.6	77	--
08...	1132	80513	70.0	183	148	6.8	749	14.5	0.8	8	--
08...	1133	80513	80.0	183	147	6.8	749	14.0	1.0	10	--
08...	1134	80513	90.0	183	146	6.8	749	13.0	1.1	11	--
08...	1135	80513	100	183	142	6.8	749	12.0	1.6	15	--
08...	1136	80513	110	183	137	6.7	749	11.0	1.7	16	--
08...	1137	80513	120	183	134	6.7	749	10.5	1.2	11	--
08...	1138	80513	130	183	134	6.7	749	9.5	0.6	5	--
08...	1139	80513	140	183	134	6.6	749	9.0	0.5	4	--
08...	1140	80513	150	183	134	6.7	749	8.5	0.6	6	--
08...	1141	80513	160	183	136	6.7	749	8.5	0.2	2	--
08...	1142	80513	170	183	141	6.7	749	8.5	0.1	1	--
08...	1143	80513	180	183	143	6.7	749	8.5	0.1	1	--
08...	1144	80513	183	183	144	6.7	749	8.0	0.1	1	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
14...	1126	80513	0.0	189	134	6.9	746	11.5	8.6	81	5.80
14...	1127	80513	10.0	189	134	7.0	746	11.0	8.6	80	--
14...	1128	80513	20.0	189	134	7.0	746	11.0	8.5	79	--
14...	1129	80513	30.0	189	134	7.0	746	11.0	8.5	79	--
14...	1130	80513	40.0	189	136	7.0	746	11.0	8.4	78	--
14...	1131	80513	50.0	189	134	7.0	746	11.0	8.3	77	--
14...	1132	80513	60.0	189	136	7.0	746	11.0	8.2	77	--
14...	1133	80513	70.0	189	134	7.0	746	11.0	8.2	76	--
14...	1134	80513	80.0	189	134	7.0	746	11.0	8.1	76	--
14...	1135	80513	90.0	189	134	7.0	746	11.0	8.1	75	--
14...	1136	80513	100	189	134	7.0	746	11.0	8.1	75	--
14...	1137	80513	110	189	134	7.0	746	11.0	8.1	75	--
14...	1138	80513	120	189	127	6.8	746	10.5	0.2	2	--
14...	1139	80513	130	189	126	6.7	746	10.0	0.1	1	--
14...	1140	80513	140	189	127	6.6	746	9.5	0.1	1	--
14...	1141	80513	150	189	127	6.6	746	9.5	0.1	1	--
14...	1142	80513	160	189	127	6.6	746	9.0	0.1	1	--
14...	1143	80513	170	189	130	6.5	746	8.5	0.1	1	--
14...	1144	80513	180	189	133	6.5	746	8.5	0.1	1	--
14...	1145	80513	189	189	136	6.5	746	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	1357	80513	0.0	187	140	7.5	748	7.5	10.7	90	4.60
24...	1358	80513	10.0	187	140	7.5	748	7.5	10.7	90	--
24...	1400	80513	20.0	187	140	7.5	748	7.0	10.6	89	--
24...	1401	80513	30.0	187	140	7.4	748	7.0	10.5	89	--
24...	1402	80513	40.0	187	140	7.4	748	7.0	10.5	89	--
24...	1403	80513	50.0	187	140	7.4	748	7.0	10.5	88	--
24...	1404	80513	60.0	187	140	7.4	748	7.0	10.5	88	--
24...	1405	80513	70.0	187	140	7.4	748	7.0	10.5	88	--
24...	1406	80513	80.0	187	140	7.4	748	7.0	10.5	88	--
24...	1407	80513	90.0	187	140	7.4	748	7.0	10.4	88	--
24...	1408	80513	100	187	140	7.4	748	7.0	10.4	88	--
24...	1409	80513	110	187	140	7.4	748	7.0	10.4	88	--
24...	1410	80513	120	187	140	7.4	748	7.0	10.4	87	--
24...	1411	80513	130	187	140	7.4	748	7.0	10.4	87	--
24...	1412	80513	140	187	141	7.3	748	7.0	10.1	85	--
24...	1413	80513	150	187	142	7.3	748	7.0	9.7	81	--
24...	1414	80513	160	187	142	7.3	748	7.0	9.5	80	--
24...	1415	80513	170	187	142	7.2	748	7.0	9.3	78	--
24...	1416	80513	180	187	143	7.2	748	7.0	9.2	77	--
24...	1417	80513	187	187	143	7.2	748	7.0	9.2	77	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
21...	1022	80513	0.0	179	143	7.4	745	7.0	11.5	97	5.40
21...	1023	80513	10.0	179	143	7.5	745	7.0	11.5	97	--
21...	1024	80513	20.0	179	143	7.5	745	6.5	11.4	96	--
21...	1025	80513	30.0	179	143	7.5	745	6.5	11.3	94	--
21...	1026	80513	40.0	179	143	7.5	745	6.5	11.2	93	--
21...	1027	80513	50.0	179	143	7.5	745	6.5	11.2	94	--
21...	1028	80513	60.0	179	143	7.5	745	6.5	11.2	93	--
21...	1029	80513	70.0	179	143	7.6	745	6.5	11.2	93	--
21...	1030	80513	80.0	179	143	7.6	745	6.5	11.1	93	--
21...	1031	80513	90.0	179	143	7.6	745	6.5	11.2	93	--
21...	1032	80513	100	179	143	7.5	745	6.5	11.1	92	--
21...	1033	80513	110	179	143	7.5	745	6.5	10.9	91	--
21...	1034	80513	120	179	143	7.5	745	6.5	10.8	90	--
21...	1035	80513	130	179	143	7.4	745	6.0	10.4	85	--
21...	1036	80513	140	179	143	7.3	745	5.5	10.1	83	--
21...	1037	80513	150	179	143	7.3	745	5.5	9.9	81	--
21...	1038	80513	160	179	143	7.2	745	5.5	9.6	78	--
21...	1039	80513	170	179	143	7.2	745	5.5	9.5	77	--
21...	1040	80513	179	179	143	7.2	745	5.5	9.5	78	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
22...	1223	80513	0.0	181	149	8.3	742	28.5	7.3	97	5.00
22...	1224	80513	10.0	181	149	8.4	742	28.0	7.2	95	--
22...	1225	80513	20.0	181	149	8.4	742	27.0	7.6	98	--
22...	1227	80513	28.0	181	149	8.3	742	26.5	7.3	94	--
22...	1229	80513	29.0	181	148	8.3	742	26.0	7.5	95	--
22...	1230	80513	30.0	181	148	8.2	742	23.5	8.4	102	--
22...	1231	80513	31.0	181	147	8.1	742	21.5	8.7	102	--
22...	1232	80513	32.0	181	146	7.9	742	20.5	8.6	99	--
22...	1233	80513	33.0	181	144	7.8	742	20.0	8.4	94	--
22...	1234	80513	34.0	181	145	7.7	742	19.0	8.1	90	--
22...	1235	80513	35.0	181	145	7.6	742	18.5	7.9	87	--
22...	1236	80513	37.0	181	144	7.7	742	17.5	8.0	86	--
22...	1237	80513	40.0	181	143	7.6	742	16.5	7.8	82	--
22...	1238	80513	43.0	181	143	7.5	742	15.5	7.5	77	--
22...	1239	80513	48.0	181	142	7.5	742	14.5	7.4	74	--
22...	1240	80513	50.0	181	142	7.5	742	14.0	7.3	72	--
22...	1241	80513	55.0	181	141	7.4	742	13.5	7.0	69	--
22...	1242	80513	60.0	181	141	7.4	742	13.0	6.5	63	--
22...	1243	80513	65.0	181	141	7.3	742	12.5	6.3	61	--
22...	1244	80513	70.0	181	140	7.3	742	12.0	6.1	58	--
22...	1245	80513	80.0	181	140	7.3	742	10.5	6.3	58	--
22...	1246	80513	90.0	181	138	7.3	742	10.0	6.3	57	--
22...	1247	80513	100	181	138	7.3	742	9.5	6.5	58	--
22...	1248	80513	110	181	138	7.3	742	9.0	6.4	57	--
22...	1249	80513	120	181	137	7.3	742	8.5	6.2	55	--
22...	1250	80513	130	181	137	7.2	742	8.0	6.0	52	--
22...	1251	80513	140	181	137	7.2	742	7.5	5.8	50	--
22...	1252	80513	150	181	138	7.2	742	7.5	5.5	47	--
22...	1253	80513	160	181	137	7.1	742	7.5	5.0	43	--
22...	1255	80513	170	181	138	7.1	742	7.5	4.3	37	--
22...	1256	80513	180	181	139	7.1	742	7.5	3.8	32	--
22...	1257	80513	181	181	139	7.1	742	7.5	3.7	31	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
17...	1059	80513	0.0	180	146	8.4	738	24.0	9.1	112	4.70
17...	1100	80513	10.0	180	145	8.5	738	24.0	9.1	112	--
17...	1101	80513	20.0	180	146	8.4	738	24.0	9.1	112	--
17...	1102	80513	27.0	180	146	8.4	738	24.0	8.9	110	--
17...	1104	80513	28.0	180	146	8.2	738	23.5	9.1	111	--
17...	1105	80513	29.0	180	146	7.9	738	23.0	9.1	110	--
17...	1106	80513	30.0	180	146	7.7	738	22.0	9.3	110	--
17...	1107	80513	32.0	180	145	7.6	738	21.0	9.3	107	--
17...	1108	80513	33.0	180	145	7.5	738	20.0	9.1	103	--
17...	1109	80513	35.0	180	144	7.4	738	19.0	8.7	97	--
17...	1110	80513	37.0	180	143	7.4	738	17.5	8.5	92	--
17...	1111	80513	38.0	180	142	7.4	738	17.0	8.6	92	--
17...	1112	80513	40.0	180	142	7.4	738	16.5	8.4	89	--
17...	1113	80513	43.0	180	141	7.4	738	15.5	8.2	84	--
17...	1114	80513	44.0	180	141	7.4	738	15.0	8.1	82	--
17...	1115	80513	50.0	180	140	7.3	738	14.0	7.6	76	--
17...	1116	80513	55.0	180	141	7.3	738	13.0	7.0	68	--
17...	1117	80513	60.0	180	140	7.2	738	12.5	6.5	64	--
17...	1118	80513	70.0	180	139	7.2	738	11.5	6.3	60	--
17...	1119	80513	80.0	180	138	7.2	738	11.0	6.5	61	--
17...	1120	80513	90.0	180	138	7.2	738	10.0	6.7	62	--
17...	1121	80513	100	180	137	7.2	738	9.5	7.0	63	--
17...	1122	80513	110	180	137	7.2	738	9.0	6.8	61	--
17...	1123	80513	120	180	137	7.2	738	8.5	6.6	58	--
17...	1124	80513	130	180	136	7.2	738	8.0	6.2	55	--
17...	1125	80513	140	180	136	7.1	738	8.0	5.8	50	--
17...	1126	80513	150	180	136	7.1	738	7.5	5.7	49	--
17...	1127	80513	160	180	137	7.1	738	7.5	4.9	42	--
17...	1128	80513	170	180	137	7.0	738	7.5	4.1	35	--
17...	1129	80513	180	180	138	7.0	738	7.5	2.9	25	--

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS

LOCATION.--Lat 36°25'15", long 93°50'50", in NW1/4NW1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at mile 609.0.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
10...	1435	80513	80513	128	7.4	745	13.5	7.3	72
24...	1141	80513	80513	133	7.2	749	10.5	7.3	67
NOV									
08...	1203	80513	80513	139	7.0	753	11.5	7.6	70
DEC									
14...	1106	80513	80513	133	6.4	745	10.5	7.8	72
JAN									
24...	1341	80513	80513	157	8.0	748	11.0	13.6	125
MAR									
21...	1104	80513	80513	168	7.5	751	10.0	11.7	105
AUG									
22...	1200	80513	80513	138	7.6	747	13.0	9.6	92
SEP									
17...	1200	80513	80513	143	7.6	745	14.0	11.1	110

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH

LOCATION.--Lat 36°25'15", long 90°29'05", in NW1/4SE1/4 sec.2, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Campground E, 2.2 mi downstream from Beaver Dam, and 2.5 mi south of Busch.

PERIOD OF RECORD.--May, 1991 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
NOV							
28...	1232	80513	80513	100	0.30	0.60	95.0
28...	1234	80513	80513	100	0.30	0.60	85.0
28...	1235	80513	80513	100	0.20	0.40	75.0
28...	1236	80513	80513	100	0.30	0.60	65.0
28...	1237	80513	80513	100	0.30	0.60	55.0
28...	1238	80513	80513	100	0.30	0.60	45.0
28...	1239	80513	80513	100	0.40	0.80	35.0
28...	1240	80513	80513	100	0.40	0.80	25.0
28...	1241	80513	80513	100	0.30	0.60	15.0
28...	1242	80513	80513	100	0.20	0.40	5.00

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
28...	1232	135	6.8	8.0	7.8	68	750
28...	1234	135	6.9	8.5	7.5	65	750
28...	1235	135	6.9	8.5	7.6	66	750
28...	1236	135	6.9	8.5	7.5	65	750
28...	1237	135	6.9	8.0	7.6	65	750
28...	1238	135	6.9	8.0	7.6	66	750
28...	1239	135	6.9	8.0	7.6	66	750
28...	1240	136	6.9	8.0	7.6	66	750
28...	1241	135	6.9	8.0	7.7	66	750
28...	1242	135	6.9	8.0	7.7	66	750

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.5	---	---	8.5	3.5	5.6	---	---	---	---	---	---
2	7.5	4.9	5.8	6.1	3.2	4.5	---	---	---	---	---	---
3	9.4	3.9	6.0	8.8	4.1	6.8	---	---	---	---	---	---
4	9.2	3.1	4.9	8.7	6.8	7.8	---	---	---	---	---	---
5	9.0	3.4	5.1	8.4	6.2	7.5	---	---	---	---	---	---
6	8.8	2.8	5.3	8.0	6.2	7.2	---	---	---	---	---	---
7	9.3	3.5	5.8	9.3	6.5	7.9	---	---	---	---	---	---
8	8.1	4.0	5.9	8.8	6.4	7.6	---	---	---	---	---	---
9	9.4	3.6	6.3	9.2	5.9	7.8	---	---	---	---	---	---
10	---	---	---	9.4	7.5	8.6	---	---	---	---	---	---
11	9.8	3.1	5.3	---	---	---	---	---	---	---	---	---
12	9.5	3.5	5.8	---	---	---	---	---	---	---	---	---
13	9.1	3.4	5.1	---	---	---	---	---	---	---	---	---
14	9.8	3.6	6.3	8.7	6.3	7.5	---	---	---	---	---	---
15	9.2	3.5	5.5	7.8	4.3	6.3	7.6	5.6	6.8	---	---	---
16	9.3	3.5	6.2	7.2	4.3	6.3	9.1	7.2	8.1	---	---	---
17	9.4	5.6	7.4	8.8	5.9	7.6	9.3	7.7	8.7	---	---	---
18	9.3	5.7	7.5	8.5	6.2	7.5	---	---	---	---	---	---
19	7.9	4.3	6.1	8.8	6.2	7.5	---	---	---	---	---	---
20	9.7	5.6	7.6	8.8	1.2	7.3	---	---	---	---	---	---
21	8.7	6.0	7.7	9.0	6.5	7.7	---	---	---	---	---	---
22	9.5	5.6	7.7	8.8	6.7	8.1	---	---	---	---	---	---
23	9.3	6.3	7.7	9.2	7.1	8.3	---	---	---	---	---	---
24	9.3	6.8	8.0	9.5	7.3	8.4	---	---	---	---	---	---
25	8.0	2.5	6.1	9.5	7.2	8.4	---	---	---	---	---	---
26	8.1	3.5	5.0	9.5	7.0	8.6	---	---	---	---	---	---
27	8.4	3.6	6.1	10.5	9.0	9.7	11.1	7.7	9.5	---	---	---
28	9.0	5.8	7.4	---	---	---	8.6	6.9	7.8	---	---	---
29	8.4	5.8	7.3	---	---	---	9.2	7.5	8.3	---	---	---
30	7.4	5.7	6.8	---	---	---	9.4	8.3	8.8	---	---	---
31	7.6	3.7	6.0	---	---	---	---	---	---	---	---	---

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.9	11.7	12.5	11.5	9.0	9.9	11.1	8.7	9.1	10.1	7.4	8.2
2	14.2	11.6	12.5	10.5	8.9	9.5	9.9	7.6	8.4	10.0	8.0	8.6
3	13.9	11.4	12.5	11.4	8.6	9.3	10.2	7.9	8.6	10.8	7.1	8.7
4	13.4	11.1	12.2	11.1	8.8	9.6	10.5	7.4	8.3	10.4	6.6	7.8
5	13.7	10.9	11.8	11.1	9.6	10.1	8.8	6.8	7.6	10.5	6.8	7.7
6	13.5	10.7	11.6	11.4	9.2	10.0	8.5	7.2	7.6	9.9	6.6	7.7
7	12.8	10.8	11.5	11.3	9.3	10.0	10.1	7.6	8.4	10.0	6.6	7.7
8	13.4	10.9	11.8	10.9	9.2	9.8	10.0	7.3	8.3	8.1	6.6	7.2
9	13.4	10.6	11.7	---	---	---	10.4	7.6	8.6	9.5	6.6	7.6
10	13.2	10.6	11.7	11.6	9.3	10.0	9.9	8.5	9.0	10.0	6.3	7.5
11	13.4	10.6	11.6	11.3	9.1	9.7	9.5	8.3	9.0	---	---	---
12	13.2	10.7	11.8	11.9	8.9	9.7	11.8	8.7	9.5	---	---	---
13	---	---	---	12.6	9.3	10.3	11.1	8.6	9.3	10.5	7.4	8.4
14	12.2	9.4	10.8	11.9	9.0	9.8	11.0	8.5	9.2	9.1	7.2	7.8
15	12.8	10.1	11.3	12.4	9.3	10.1	11.1	8.3	8.8	8.5	7.4	8.1
16	12.3	10.2	11.2	11.3	9.4	10.2	10.5	8.2	8.8	9.7	7.3	8.1
17	12.0	9.6	10.7	11.3	9.2	9.9	10.5	8.2	9.0	10.1	6.2	7.5
18	12.3	9.7	10.4	11.3	9.0	9.6	10.9	9.0	9.6	10.2	6.2	7.7
19	10.8	9.6	10.3	11.2	9.0	9.6	10.9	8.6	9.5	9.0	6.3	7.2
20	11.8	9.8	10.7	13.2	9.5	11.0	11.0	8.7	9.3	9.6	5.9	7.0
21	11.2	9.7	10.5	13.2	10.0	10.8	12.0	8.6	9.3	9.4	6.2	7.0
22	10.7	9.8	10.2	10.8	9.8	10.3	12.2	8.9	9.6	9.5	6.4	7.5
23	12.5	9.5	10.6	12.7	10.1	10.7	13.3	9.6	11.2	10.1	6.9	7.7
24	12.5	9.4	10.3	11.9	10.0	10.5	14.9	11.0	12.1	9.2	5.8	7.6
25	10.5	9.2	10.1	12.2	9.8	10.4	15.2	11.4	12.6	9.6	5.8	7.1
26	11.9	9.5	10.3	12.5	9.9	10.6	15.0	11.3	12.2	9.1	6.6	7.7
27	11.0	8.9	9.8	13.2	9.9	10.8	16.2	11.3	13.0	9.6	6.3	7.4
28	11.6	9.5	10.0	14.3	9.8	11.0	13.3	7.9	10.9	8.1	6.7	7.2
29	11.1	9.1	9.6	13.4	10.2	11.0	11.0	7.1	8.6	9.2	6.2	7.2
30	12.6	8.7	10.0	13.0	10.0	10.6	10.5	7.1	8.4	7.5	6.2	6.9
31	---	---	---	15.0	9.4	11.1	10.8	7.1	8.5	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.6	---	---	13.5	10.6	11.5	11.1	8.7	9.9	---	---	---
2	12.8	10.1	11.1	10.8	9.9	10.6	10.8	8.5	9.8	---	---	---
3	13.5	10.5	11.3	10.7	8.2	9.3	11.2	9.6	10.3	---	---	---
4	13.6	9.9	11.0	10.1	6.5	8.4	9.6	7.6	8.6	---	---	---
5	13.2	10.0	11.0	10.4	8.5	9.2	10.3	7.6	9.0	---	---	---
6	11.5	10.4	10.7	10.5	8.9	9.7	10.3	7.4	8.8	---	---	---
7	13.0	9.4	10.9	12.7	10.2	11.0	10.2	7.7	9.0	---	---	---
8	13.7	8.9	11.5	10.4	8.0	9.3	10.3	8.1	9.5	---	---	---
9	13.2	9.9	11.3	10.9	7.5	9.4	9.8	6.0	7.6	---	---	---
10	13.7	10.4	11.4	13.5	10.6	11.9	9.1	6.3	7.3	---	---	---
11	13.7	10.6	11.4	---	---	---	10.0	5.6	7.7	---	---	---
12	13.4	10.1	11.3	---	---	---	10.1	9.0	9.6	---	---	---
13	13.1	10.2	11.2	---	---	---	11.3	9.7	10.4	---	---	---
14	13.1	9.8	11.2	9.9	7.4	8.8	11.3	9.4	10.4	---	---	---
15	12.5	9.5	10.8	11.2	8.5	10.2	10.1	9.5	9.8	---	---	---
16	13.1	9.8	11.4	12.4	8.7	10.8	10.7	9.1	9.7	---	---	---
17	13.2	9.8	11.7	11.4	8.6	10.0	9.5	8.5	8.8	---	---	---
18	13.0	9.7	11.7	11.4	9.0	10.0	---	---	---	---	---	---
19	13.8	9.3	12.1	10.9	7.7	9.4	---	---	---	---	---	---
20	13.1	9.7	11.3	11.2	8.8	9.9	---	---	---	---	---	---
21	11.4	8.3	10.0	12.3	8.0	10.1	---	---	---	---	---	---
22	12.8	8.9	11.0	10.5	8.0	9.3	---	---	---	---	---	---
23	13.0	11.0	12.0	10.5	8.3	9.6	---	---	---	---	---	---
24	11.5	8.6	10.3	9.6	7.0	8.3	---	---	---	---	---	---
25	11.0	8.6	9.8	10.4	7.4	8.9	---	---	---	---	---	---
26	12.6	10.4	11.0	10.8	8.1	9.7	---	---	---	---	---	---
27	13.1	10.8	11.7	10.8	7.9	9.7	9.0	6.4	7.8	---	---	---
28	11.9	8.9	10.5	8.6	6.9	7.6	8.9	8.6	8.8	---	---	---
29	11.4	8.6	10.1	11.3	6.3	9.3	9.0	8.6	8.7	---	---	---
30	10.8	9.7	10.3	12.1	7.8	10.3	---	---	---	---	---	---
31	11.3	10.0	10.7	---	---	---	---	---	---	---	---	---
MONTH	13.8	---	---	---	---	---	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.6	7.5	8.8	12.1	8.0	8.6	9.3	8.1	8.4	11.8	8.8	9.6
2	13.0	7.5	9.1	10.7	8.0	8.5	10.7	8.2	8.6	12.4	9.2	9.9
3	13.9	7.8	9.8	11.0	8.0	8.5	12.8	8.4	9.2	14.0	8.7	10.1
4	12.5	7.6	9.6	9.1	8.0	8.4	12.8	9.0	9.8	12.6	8.7	9.4
5	12.7	7.6	8.8	13.3	7.9	8.8	10.2	8.3	9.2	12.0	8.6	9.3
6	14.2	8.2	10.1	13.4	8.1	9.2	10.4	8.5	8.8	12.1	8.7	9.5
7	10.8	7.4	8.5	11.1	8.3	9.0	14.7	8.4	9.7	13.4	8.6	9.9
8	10.2	7.4	8.3	13.1	7.9	9.1	14.0	8.5	9.7	11.0	8.6	9.2
9	10.4	7.9	8.5	9.2	8.0	8.4	13.5	8.5	9.6	14.2	8.7	9.5
10	11.5	7.5	8.6	12.4	8.2	9.0	10.5	8.5	9.3	13.5	8.6	9.6
11	12.2	7.5	8.6	9.5	8.1	8.7	10.5	8.5	9.5	---	---	---
12	14.2	7.7	8.9	10.0	8.1	8.6	13.8	8.3	10.0	---	---	---
13	12.4	7.9	9.0	11.1	8.3	9.3	12.8	8.4	9.3	12.7	8.5	9.9
14	10.8	8.5	9.5	11.1	8.3	9.1	12.8	8.5	9.3	9.4	8.4	8.8
15	12.6	7.5	9.9	13.3	8.3	9.4	11.4	8.4	9.1	9.5	8.6	9.2
16	13.4	7.5	9.8	12.2	7.9	8.7	12.8	8.5	9.1	11.1	8.5	9.5
17	13.1	7.4	9.8	12.6	8.2	8.9	9.9	8.6	8.9	13.2	8.8	9.8
18	12.4	7.4	8.4	13.9	8.1	9.4	11.8	8.9	9.8	11.2	8.6	9.4
19	8.1	7.5	7.7	12.5	8.2	9.1	12.1	8.5	9.7	9.8	8.6	8.9
20	12.5	7.6	9.4	13.7	8.2	9.5	12.8	8.4	9.2	13.0	8.7	9.6
21	8.7	7.6	8.0	15.5	8.5	10.5	12.4	8.6	9.4	12.5	8.4	9.5
22	8.4	7.7	8.1	10.8	8.2	9.0	12.1	8.6	9.2	12.6	8.5	9.6
23	15.2	8.1	10.2	13.3	8.5	9.5	14.0	8.8	9.8	12.9	8.7	9.6
24	12.4	8.0	9.1	11.6	8.2	9.1	12.8	8.6	9.7	10.8	8.8	9.9
25	8.2	7.6	7.9	13.7	8.2	9.0	13.9	8.6	10.3	9.8	8.7	9.0
26	12.5	7.8	9.1	11.9	8.2	9.0	11.2	8.5	9.3	15.6	8.8	10.4
27	11.4	8.0	8.9	13.4	8.2	9.7	12.6	8.6	9.7	10.5	8.6	9.2
28	12.4	7.9	8.8	13.3	8.3	9.5	13.4	8.5	9.9	9.4	7.9	8.6
29	9.7	7.9	8.2	11.9	8.2	9.4	13.8	8.7	10.0	9.7	7.8	8.6
30	13.4	8.0	9.0	10.7	8.2	9.2	12.4	8.9	9.7	9.3	7.9	8.7
31	---	---	---	14.5	8.3	10.2	12.7	8.6	9.7	---	---	---
MONTH	15.2	7.4	8.9	15.5	7.9	9.1	14.7	8.1	9.4	---	---	---

07053250 YOCUM CREEK NEAR OAK GROVE

LOCATION.--Lat 36°27'17", long 93°21'21", in SW1/4NE1/4 sec.30, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on right bank 50 ft upstream from County Road 86, .4 mi downstream from Stillhouse Creek, and 4.7 mi east of Oak Grove.

DRAINAGE AREA.--52.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1993 to current year. Occasional lowflow measurements 1964-67, 1987-88.

GAGE.-Water-stage recorder.

REMARKS.--Water-discharge records fair, except estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	8.7	21	44	e18	121	72	e39	e11	e27	7.6
2	16	20	8.2	23	41	e17	106	e65	e35	27	e25	9.9
3	16	22	8.7	23	38	e17	97	e60	e32	e25	e23	9.9
4	14	18	9.2	20	36	e16	93	e56	e30	e24	e22	6.9
5	12	15	9.1	19	35	e16	84	e52	e29	e23	e20	5.4
6	11	14	8.5	19	33	16	77	e207	e27	e22	e19	5.4
7	11	15	8.1	16	31	e15	70	e163	e25	e21	e18	5.1
8	13	15	7.9	13	29	e15	63	e130	e23	e20	e17	7.0
9	14	17	7.0	13	28	e15	57	e96	e22	e19	e16	8.4
10	12	19	6.5	13	28	e15	52	e85	e21	e18	e15	7.1
11	10	30	6.3	21	26	e14	48	e78	e19	e17	e14	6.0
12	9.7	24	6.3	55	25	e14	48	e70	e18	e17	e14	6.5
13	9.0	21	6.4	62	24	e14	67	e63	e18	e16	e13	6.7
14	9.6	19	6.1	65	25	e14	69	e57	e17	e17	e12	6.9
15	9.6	18	6.0	54	e27	e17	62	e52	e16	e22	e12	12
16	8.7	16	5.6	43	30	e30	55	e47	e16	e20	e11	19
17	8.1	15	11	36	27	e39	51	e42	e15	e19	e10	12
18	7.5	13	102	203	26	e36	49	e38	e15	e18	e9.5	9.6
19	7.3	12	396	260	26	e60	45	e34	e14	e18	e9.0	8.6
20	7.1	11	160	234	25	e50	43	e31	e14	e17	e8.2	8.3
21	5.2	10	97	207	24	e40	42	e29	14	e17	e7.4	8.3
22	4.8	10	68	184	23	35	267	e27	e14	16	6.8	11
23	4.7	9.9	52	266	23	35	470	e25	e13	e15	e6.8	13
24	4.6	9.0	42	213	e22	97	245	e23	e13	e14	e6.8	48
25	4.3	9.1	36	101	e21	224	175	e21	e13	e13	e6.8	37
26	4.8	9.1	31	76	e20	139	139	e19	e12	e12	e6.8	339
27	12	9.1	27	69	e19	106	116	e18	12	e12	6.8	374
28	27	8.8	24	67	e19	145	104	e17	e11	e11	e6.3	161
29	20	8.6	22	60	e18	149	93	e16	e11	e13	6.1	110
30	15	8.8	20	56	---	132	81	e16	e11	e15	5.7	81
31	12	---	20	48	---	135	---	e22	---	e20	5.7	---
TOTAL	335.0	438.4	1226.6	2560	793	1685	3089	1731	569	549	386.7	1350.6
MEAN	10.8	14.6	39.6	82.6	27.3	54.4	103	55.8	19.0	17.7	12.5	45.0
MAX	27	30	396	266	44	224	470	207	39	27	27	374
MIN	4.3	8.6	5.6	13	18	14	42	16	11	11	5.7	5.1
AC-FT	664	870	2430	5080	1570	3340	6130	3430	1130	1090	767	2680
CFSM	.20	.28	.75	1.56	.52	1.03	1.95	1.06	.36	.34	.24	.85
IN.	.24	.31	.86	1.80	.56	1.19	2.18	1.22	.40	.39	.27	.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	13.3	60.0	46.8	71.7	44.0	92.0	110	77.5	52.3	29.2	15.1	26.0
MAX	21.3	109	66.5	94.5	65.4	169	144	99.9	104	63.2	20.6	45.0
(WY)	1994	1994	1994	1995	1994	1994	1994	1995	1995	1993	1993	1996
MIN	7.71	14.6	34.3	38.1	27.3	52.5	82.2	55.8	19.0	13.9	11.9	9.09
(WY)	1995	1996	1995	1994	1996	1995	1995	1996	1996	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	18214.0		14713.3			
ANNUAL MEAN	49.9		40.2		51.9	
HIGHEST ANNUAL MEAN					63.0	1994
LOWEST ANNUAL MEAN					40.2	1996
HIGHEST DAILY MEAN	706	Jun 10	470	Apr 23	817	Nov 14 1993
LOWEST DAILY MEAN	4.3	Oct 25	4.3	Oct 25	4.3	Oct 25 1995
ANNUAL SEVEN-DAY MINIMUM	5.1	Oct 20	5.1	Oct 20	5.1	Oct 20 1995
INSTANTANEOUS PEAK FLOW			[a]1650	Sep 26	[a]2660	Jul 6 1993
INSTANTANEOUS PEAK STAGE			7.73	Sep 26	8.99	Jul 6 1993
INSTANTANEOUS LOW FLOW			3.9	Oct 25	3.9	Oct 25 1995
ANNUAL RUNOFF (AC-FT)	36130		29180		37610	
ANNUAL RUNOFF (CFSM)	.95		.76		.98	
ANNUAL RUNOFF (INCHES)	12.83		10.37		13.36	
10 PERCENT EXCEEDS	112		97		116	
50 PERCENT EXCEEDS	27		19		29	
90 PERCENT EXCEEDS	9.6		7.4		9.6	

[a]From rating curve extended above 930 ft^3/s
[e]Estimated

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)
NOV 02...	0715	80513	80020	16	3.58	357	8.2	741	15.0	17.5
JAN 25...	0810	80513	80020	102	4.13	305	7.7	743	7.0	11.5
APR 12...	0710	80513	80020	44	3.69	331	8.0	737	13.0	19.5
MAY 09...	1315	80513	80020	98	4.15	300	8.0	743	18.0	24.5
JUN 21...	0810	80513	80020	14	3.37	354	7.9	741	21.0	26.0
JUL 22...	1340	80513	80020	15	3.39	338	8.1	740	27.0	31.0
AUG 22...	0815	80513	80020	6.8	3.20	343	7.8	746	21.5	24.0
SEP 19...	0815	80513	80020	9.0	3.26	338	8.0	744	18.5	18.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NOV 02...	0715	7.1	72	100	73	160	170	13	64	2.7
JAN 25...	0810	10.8	90	150	130	560	140	32	53	3.0
APR 12...	0710	9.3	91	94	72	82	150	14	55	2.9
MAY 09...	1315	8.7	95	K670	320	K460	140	14	51	2.8
JUN 21...	0810	6.9	80	K13	K14	160	170	19	63	3.0
JUL 22...	1340	5.4	70	K9	22	120	150	10	57	2.6
AUG 22...	0815	5.5	64	280	290	90	160	20	61	2.7
SEP 19...	0815	7.0	76	47	34	100	160	7	59	2.7

DATE	TIME	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV 02...	0715	3.8	5	0.1	1.9	156	0	193	158	3.5
JAN 25...	0810	3.5	5	0.1	2.3	111	0	137	112	5.0
APR 12...	0710	3.9	5	0.1	2.1	135	0	165	135	5.7
MAY 09...	1315	3.2	5	0.1	2.5	123	0	152	124	4.1
JUN 21...	0810	4.0	5	0.1	2.3	149	0	184	151	4.7
JUL 22...	1340	3.9	5	0.1	2.3	142	0	174	143	4.4
AUG 22...	0815	3.7	5	0.1	2.1	147	0	175	144	4.5
SEP 19...	0815	3.8	5	0.1	2.1	152	0	185	152	4.2

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
NOV 02...	0715	8.6	<0.10	9.8	205	200	8.86	0.28	--	<0.010
JAN 25...	0810	7.5	<0.10	9.4	174	172	47.9	0.24	--	<0.010
APR 12...	0710	8.1	<0.10	5.9	180	180	21.4	0.24	--	<0.010
MAY 09...	1315	6.2	<0.10	10	166	172	43.9	0.23	3.89	0.010
JUN 21...	0810	8.5	<0.10	12	208	201	7.86	0.28	--	<0.010
JUL 22...	1340	8.7	<0.10	13	201	188	8.14	0.27	2.29	0.010
AUG 22...	0815	8.5	<0.10	12	203	190	3.73	0.28	--	<0.010
SEP 19...	0815	8.9	<0.10	11	191	192	4.64	0.26	2.09	0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
NOV 02...	0715	2.40	2.40	<0.015	--	--	<0.20	<0.20	0.030	0.020
JAN 25...	0810	4.60	4.60	<0.015	--	--	<0.20	<0.20	0.070	0.060
APR 12...	0710	3.50	3.50	<0.015	--	--	<0.20	<0.20	0.020	0.020
MAY 09...	1315	3.90	3.90	0.030	0.17	0.17	0.20	0.20	0.080	0.060
JUN 21...	0810	3.00	3.00	0.030	--	--	<0.20	<0.20	0.010	<0.010
JUL 22...	1340	2.30	2.30	0.050	--	--	<0.20	<0.20	0.030	0.040
AUG 22...	0815	2.10	2.10	<0.015	--	--	<0.20	<0.20	0.040	0.020
SEP 19...	0815	2.10	2.10	<0.015	--	--	<0.20	<0.20	0.040	0.010

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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...	0715	0.030	0.40	0.10	<3.0	<1.0	88	3.8	41
JAN 25...	0810	0.060	1.4	0.20	13	2.0	14	3.9	99
APR 12...	0710	0.020	0.70	0.20	4.0	3.0	27	3.2	68
MAY 09...	1315	0.070	1.2	0.10	4.0	3.0	38	10	95
JUN 21...	0810	0.040	1.2	0.10	<3.0	2.0	81	3.1	33
JUL 22...	1340	0.050	0.70	0.20	<3.0	1.0	15	0.61	85
AUG 22...	0815	0.030	0.40	0.10	<3.0	<1.0	45	0.83	67
SEP 19...	0815	0.040	0.40	0.20	<3.0	<1.0	30	0.73	70

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI

LOCATION.--Lat 36°35'46", long 93°18'35", in NW1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek, and 6.1 mi southwest of Branson, Missouri.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
11...	0838	80513	0.0	168	216	8.6	761	19.5	9.6	105	2.10
11...	0839	80513	10.0	168	217	8.5	761	20.0	9.4	104	--
11...	0840	80513	20.0	168	217	8.4	761	20.0	8.6	94	--
11...	0841	80513	30.0	168	217	8.3	761	20.0	8.0	88	--
11...	0842	80513	40.0	168	218	8.2	761	19.5	7.5	82	--
11...	0843	80513	50.0	168	226	7.7	761	19.0	4.8	52	--
11...	0844	80513	55.0	168	243	7.3	761	18.0	0.2	2	--
11...	0845	80513	60.0	168	241	7.3	761	17.5	0.1	1	--
11...	0846	80513	70.0	168	231	7.2	761	16.5	0.1	1	--
11...	0847	80513	80.0	168	216	7.2	761	16.0	0.1	1	--
11...	0848	80513	90.0	168	197	7.1	761	15.5	0.1	1	--
11...	0849	80513	100	168	187	7.1	761	15.0	0.2	2	--
11...	0850	80513	110	168	179	7.0	761	15.0	0.3	3	--
11...	0851	80513	120	168	185	7.0	761	14.5	0.2	2	--
11...	0852	80513	130	168	192	7.0	761	14.5	0.1	1	--
11...	0853	80513	140	168	198	7.0	761	14.0	0.1	1	--
11...	0854	80513	150	168	200	7.0	761	13.0	0.1	1	--
11...	0855	80513	160	168	205	7.0	761	13.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	0819	80513	0.0	170	227	8.8	749	18.0	8.9	96	1.70
24...	0820	80513	10.0	170	226	8.6	749	18.0	8.7	93	--
24...	0822	80513	20.0	170	225	8.6	749	18.0	8.6	93	--
24...	0823	80513	30.0	170	226	8.5	749	18.0	8.7	93	--
24...	0824	80513	40.0	170	226	8.5	749	18.0	8.6	93	--
24...	0825	80513	50.0	170	226	8.5	749	18.0	8.6	93	--
24...	0826	80513	60.0	170	226	8.4	749	18.0	8.5	92	--
24...	0827	80513	70.0	170	225	8.4	749	18.0	8.5	91	--
24...	0829	80513	76.0	170	231	7.8	749	17.5	3.4	36	--
24...	0830	80513	79.0	170	231	7.3	749	16.5	0.5	5	--
24...	0831	80513	80.0	170	230	7.3	749	16.5	0.3	3	--
24...	0832	80513	90.0	170	227	7.2	749	16.0	0.1	1	--
24...	0834	80513	100	170	216	7.2	749	15.5	0.1	1	--
24...	0835	80513	110	170	197	7.1	749	15.0	0.1	1	--
24...	0836	80513	120	170	193	7.1	749	14.5	0.1	1	--
24...	0837	80513	130	170	206	7.1	749	14.5	0.1	1	--
24...	0838	80513	140	170	212	7.1	749	14.0	0.1	1	--
24...	0839	80513	150	170	212	7.1	749	13.5	0.1	1	--
24...	0840	80513	160	170	219	7.1	749	13.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
08...	1346	80513	0.0	202	230	7.9	753	16.0	8.7	89	1.20
08...	1347	80513	10.0	202	228	8.1	753	15.5	8.6	88	--
08...	1348	80513	20.0	202	228	8.1	753	15.5	8.3	84	--
08...	1349	80513	30.0	202	228	8.0	753	15.5	8.0	81	--
08...	1350	80513	40.0	202	229	7.9	753	15.5	7.7	79	--
08...	1351	80513	50.0	202	228	7.9	753	15.5	7.7	78	--
08...	1352	80513	60.0	202	229	7.9	753	15.5	7.6	77	--
08...	1353	80513	70.0	202	228	7.9	753	15.5	7.6	77	--
08...	1354	80513	80.0	202	229	7.9	753	15.5	7.6	78	--
08...	1355	80513	90.0	202	228	7.9	753	15.5	7.6	77	--
08...	1356	80513	100	202	228	7.9	753	15.5	7.4	76	--
08...	1357	80513	110	202	210	7.0	753	15.0	0.3	3	--
08...	1358	80513	120	202	209	7.0	753	14.5	0.2	2	--
08...	1359	80513	130	202	215	6.9	753	14.5	0.1	1	--
08...	1400	80513	140	202	213	6.9	753	14.0	0.1	1	--
08...	1401	80513	150	202	216	6.9	753	13.5	0.1	1	--
08...	1402	80513	160	202	232	6.9	753	13.0	0.1	1	--
08...	1403	80513	170	202	229	6.9	753	12.5	0.1	1	--
08...	1404	80513	180	202	248	6.9	753	11.5	0.1	1	--
08...	1405	80513	190	202	261	7.0	753	10.5	0.1	1	--
08...	1406	80513	200	202	266	7.0	753	10.0	0.1	1	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
14...	1352	80513	0.0	170	211	7.2	750	12.0	6.2	59	4.20
14...	1353	80513	10.0	170	208	7.2	750	11.5	6.5	61	--
14...	1354	80513	20.0	170	209	7.2	750	11.5	6.6	61	--
14...	1355	80513	30.0	170	208	7.2	750	11.5	6.6	61	--
14...	1356	80513	40.0	170	210	7.2	750	11.5	6.6	61	--
14...	1357	80513	50.0	170	208	7.2	750	11.5	6.5	61	--
14...	1358	80513	60.0	170	210	7.2	750	11.5	6.5	61	--
14...	1359	80513	70.0	170	210	7.2	750	11.5	6.5	60	--
14...	1400	80513	80.0	170	211	7.2	750	11.5	6.8	63	--
14...	1401	80513	90.0	170	211	7.2	750	11.5	6.7	63	--
14...	1402	80513	100	170	211	7.2	750	11.5	6.7	63	--
14...	1403	80513	110	170	211	7.2	750	11.5	6.8	63	--
14...	1404	80513	120	170	211	7.2	750	11.5	6.8	63	--
14...	1405	80513	130	170	212	7.2	750	11.5	6.9	64	--
14...	1406	80513	140	170	211	7.2	750	11.5	6.9	64	--
14...	1407	80513	150	170	212	7.2	750	11.5	6.8	63	--
14...	1408	80513	160	170	212	7.2	750	11.5	6.8	63	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	1625	80513	0.0	197	223	7.5	748	7.0	10.6	89	4.70
24...	1626	80513	10.0	197	220	7.6	748	7.0	10.5	89	--
24...	1627	80513	20.0	197	221	7.6	748	7.0	10.4	88	--
24...	1628	80513	30.0	197	222	7.6	748	7.0	10.4	88	--
24...	1629	80513	40.0	197	222	7.6	748	7.0	10.4	88	--
24...	1630	80513	50.0	197	222	7.6	748	7.0	10.4	88	--
24...	1631	80513	60.0	197	223	7.6	748	7.0	10.4	87	--
24...	1632	80513	70.0	197	223	7.6	748	7.0	10.3	87	--
24...	1633	80513	80.0	197	223	7.6	748	7.0	10.3	87	--
24...	1634	80513	90.0	197	223	7.6	748	7.0	10.3	86	--
24...	1635	80513	100	197	223	7.6	748	7.0	10.3	86	--
24...	1636	80513	110	197	223	7.6	748	7.0	10.3	86	--
24...	1637	80513	120	197	223	7.6	748	7.0	10.2	86	--
24...	1638	80513	130	197	223	7.6	748	7.0	10.2	86	--
24...	1639	80513	140	197	221	7.6	748	7.0	10.2	86	--
24...	1640	80513	150	197	223	7.6	748	7.0	10.2	86	--
24...	1641	80513	160	197	223	7.6	748	7.0	10.2	86	--
24...	1642	80513	170	197	223	7.6	748	7.0	10.2	86	--
24...	1643	80513	180	197	221	7.6	748	7.0	10.2	86	--
24...	1644	80513	190	197	223	7.6	748	7.0	10.2	86	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
21...	1304	80513	0.0	188	227	8.0	750	6.5	11.7	97	5.30
21...	1305	80513	10.0	188	227	8.0	750	6.5	11.6	96	--
21...	1306	80513	20.0	188	227	7.9	750	6.5	11.5	95	--
21...	1307	80513	30.0	188	228	7.9	750	6.5	11.5	94	--
21...	1308	80513	40.0	188	228	7.9	750	6.5	11.4	94	--
21...	1309	80513	50.0	188	228	7.9	750	6.5	11.4	94	--
21...	1310	80513	60.0	188	228	7.9	750	6.5	11.4	94	--
21...	1311	80513	70.0	188	228	7.9	750	6.5	11.4	94	--
21...	1312	80513	80.0	188	228	7.9	750	6.5	11.4	94	--
21...	1313	80513	90.0	188	228	7.9	750	6.5	11.4	94	--
21...	1314	80513	100	188	228	7.9	750	6.5	11.4	94	--
21...	1315	80513	110	188	228	7.9	750	6.5	11.4	94	--
21...	1316	80513	120	188	228	7.9	750	6.5	11.4	94	--
21...	1317	80513	130	188	228	7.9	750	6.5	11.4	93	--
21...	1318	80513	140	188	228	7.9	750	6.5	11.4	94	--
21...	1319	80513	150	188	229	7.9	750	6.5	11.4	93	--
21...	1320	80513	160	188	228	7.9	750	6.0	11.4	93	--
21...	1321	80513	170	188	229	7.9	750	6.0	11.4	93	--
21...	1322	80513	180	188	229	7.9	750	6.0	11.3	93	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
13...	1223	80513	0.0	194	223	8.0	752	26.5	8.1	102	5.20
13...	1224	80513	4.00	194	222	8.1	752	25.5	8.5	106	--
13...	1225	80513	9.00	194	221	8.2	752	24.5	9.0	109	--
13...	1226	80513	10.0	194	221	8.2	752	24.0	9.0	108	--
13...	1227	80513	20.0	194	221	8.2	752	23.5	8.8	105	--
13...	1228	80513	25.0	194	221	8.1	752	22.5	8.1	95	--
13...	1229	80513	26.0	194	223	8.0	752	22.0	7.7	89	--
13...	1230	80513	27.0	194	223	7.9	752	21.0	7.6	87	--
13...	1231	80513	28.0	194	224	7.8	752	19.5	7.4	82	--
13...	1232	80513	29.0	194	226	7.7	752	18.5	7.3	79	--
13...	1233	80513	30.0	194	224	7.7	752	17.5	7.2	76	--
13...	1234	80513	32.0	194	223	7.7	752	16.5	7.1	73	--
13...	1235	80513	35.0	194	223	7.7	752	15.0	7.3	74	--
13...	1236	80513	40.0	194	224	7.7	752	14.0	7.1	70	--
13...	1237	80513	50.0	194	224	7.7	752	13.0	7.3	71	--
13...	1238	80513	60.0	194	222	7.7	752	12.5	7.3	69	--
13...	1239	80513	70.0	194	220	7.7	752	11.0	7.7	71	--
13...	1240	80513	80.0	194	219	7.7	752	10.0	7.9	71	--
13...	1241	80513	90.0	194	222	7.7	752	9.5	7.9	70	--
13...	1242	80513	100	194	222	7.7	752	8.5	7.6	66	--
13...	1243	80513	110	194	222	7.7	752	8.5	7.5	64	--
13...	1244	80513	120	194	223	7.7	752	8.0	7.6	65	--
13...	1245	80513	130	194	226	7.7	752	7.5	7.7	65	--
13...	1246	80513	140	194	228	7.7	752	7.5	7.4	63	--
13...	1247	80513	150	194	229	7.6	752	7.0	7.1	59	--
13...	1248	80513	160	194	230	7.6	752	7.0	6.8	56	--
13...	1249	80513	170	194	231	7.6	752	7.0	6.5	54	--
13...	1250	80513	180	194	230	7.6	752	7.0	6.4	54	--
13...	1251	80513	190	194	230	7.5	752	7.0	6.2	52	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
10...	0748	80513	0.0	208	221	8.1	755	27.0	8.1	103	7.30
10...	0749	80513	10.0	208	222	8.1	755	27.0	8.2	104	--
10...	0750	80513	20.0	208	222	8.1	755	27.0	8.2	104	--
10...	0751	80513	25.0	208	222	8.1	755	26.0	9.1	113	--
10...	0752	80513	26.0	208	222	8.1	755	25.0	9.2	113	--
10...	0753	80513	28.0	208	227	8.0	755	22.0	9.3	108	--
10...	0754	80513	29.0	208	227	8.0	755	22.0	9.3	108	--
10...	0755	80513	30.0	208	227	8.0	755	21.0	9.4	106	--
10...	0757	80513	35.0	208	227	7.8	755	18.5	9.0	97	--
10...	0758	80513	37.0	208	226	7.7	755	17.5	8.8	93	--
10...	0759	80513	40.0	208	227	7.7	755	16.5	8.6	89	--
10...	0800	80513	43.0	208	227	7.6	755	15.5	8.2	83	--
10...	0801	80513	45.0	208	228	7.5	755	14.5	8.0	80	--
10...	0802	80513	50.0	208	229	7.4	755	13.5	7.3	71	--
10...	0803	80513	60.0	208	230	7.4	755	13.0	6.7	64	--
10...	0804	80513	70.0	208	226	7.3	755	11.5	6.6	61	--
10...	0805	80513	80.0	208	225	7.3	755	10.5	6.8	61	--
10...	0806	80513	90.0	208	226	7.3	755	10.0	7.2	64	--
10...	0807	80513	100	208	228	7.3	755	9.0	7.5	66	--
10...	0808	80513	110	208	229	7.3	755	8.5	7.5	65	--
10...	0809	80513	120	208	228	7.3	755	8.0	7.6	65	--
10...	0810	80513	130	208	229	7.3	755	7.5	7.5	63	--
10...	0811	80513	140	208	229	7.2	755	7.5	7.2	60	--
10...	0812	80513	150	208	232	7.2	755	7.5	7.0	59	--
10...	0813	80513	160	208	236	7.2	755	7.0	6.7	56	--
10...	0814	80513	170	208	237	7.2	755	7.0	6.5	54	--
10...	0815	80513	180	208	235	7.2	755	7.0	6.0	50	--
10...	0816	80513	190	208	236	7.1	755	7.0	5.9	49	--
10...	0817	80513	200	208	236	7.1	755	7.0	5.9	49	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
22...	1532	80513	0.0	181	212	8.4	746	28.0	8.0	105	4.70
22...	1533	80513	10.0	181	211	8.4	746	27.5	8.2	107	--
22...	1534	80513	20.0	181	211	8.4	746	27.0	8.0	104	--
22...	1535	80513	24.0	181	216	8.4	746	25.5	8.3	104	--
22...	1536	80513	26.0	181	222	8.3	746	24.5	8.4	103	--
22...	1537	80513	27.0	181	226	8.3	746	24.0	8.3	101	--
22...	1538	80513	28.0	181	225	8.3	746	23.5	8.3	100	--
22...	1539	80513	29.0	181	226	8.2	746	23.0	8.2	97	--
22...	1540	80513	30.0	181	228	8.1	746	22.0	7.9	93	--
22...	1541	80513	31.0	181	230	8.1	746	21.5	7.5	87	--
22...	1542	80513	32.0	181	230	7.9	746	20.5	7.1	80	--
22...	1543	80513	33.0	181	229	7.8	746	19.5	6.8	76	--
22...	1544	80513	36.0	181	230	7.7	746	18.5	6.3	68	--
22...	1546	80513	40.0	181	229	7.6	746	17.5	5.8	62	--
22...	1547	80513	43.0	181	230	7.6	746	16.5	5.4	56	--
22...	1548	80513	47.0	181	231	7.6	746	15.5	4.9	50	--
22...	1549	80513	50.0	181	231	7.5	746	15.0	4.6	46	--
22...	1550	80513	55.0	181	231	7.5	746	14.0	4.3	43	--
22...	1551	80513	60.0	181	231	7.5	746	13.5	4.1	41	--
22...	1552	80513	70.0	181	226	7.4	746	13.0	3.9	37	--
22...	1553	80513	80.0	181	217	7.4	746	11.5	3.7	35	--
22...	1554	80513	90.0	181	215	7.4	746	11.0	4.2	39	--
22...	1555	80513	100	181	210	7.4	746	10.5	4.2	39	--
22...	1556	80513	110	181	213	7.4	746	10.0	4.7	42	--
22...	1557	80513	120	181	214	7.4	746	9.5	5.0	45	--
22...	1558	80513	130	181	219	7.4	746	9.0	5.4	48	--
22...	1559	80513	140	181	224	7.4	746	8.5	5.2	45	--
22...	1600	80513	150	181	230	7.4	746	8.0	4.6	40	--
22...	1601	80513	160	181	234	7.3	746	8.0	3.9	33	--
22...	1602	80513	170	181	235	7.3	746	7.5	3.3	28	--
22...	1603	80513	180	181	236	7.3	746	7.5	2.7	23	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
17...	0815	80513	0.0	177	207	8.5	750	24.0	8.7	106	4.00
17...	0816	80513	10.0	177	208	8.5	750	24.0	8.6	104	--
17...	0817	80513	20.0	177	208	8.5	750	24.0	8.6	104	--
17...	0818	80513	27.0	177	228	7.9	750	23.0	6.4	75	--
17...	0819	80513	30.0	177	231	7.7	750	21.5	4.5	52	--
17...	0820	80513	31.0	177	234	7.6	750	21.0	4.2	48	--
17...	0821	80513	32.0	177	235	7.5	750	20.0	3.2	36	--
17...	0822	80513	33.0	177	236	7.5	750	19.0	2.7	30	--
17...	0823	80513	39.0	177	238	7.4	750	17.5	0.7	8	--
17...	0824	80513	40.0	177	240	7.5	750	17.5	0.6	6	--
17...	0825	80513	45.0	177	238	7.5	750	16.5	1.1	11	--
17...	0826	80513	50.0	177	232	7.5	750	15.5	2.8	28	--
17...	0827	80513	55.0	177	232	7.5	750	14.5	2.3	23	--
17...	0828	80513	60.0	177	230	7.5	750	14.0	2.6	26	--
17...	0829	80513	70.0	177	227	7.5	750	13.0	3.2	31	--
17...	0830	80513	80.0	177	216	7.4	750	12.5	2.9	28	--
17...	0831	80513	90.0	177	209	7.4	750	11.5	3.2	30	--
17...	0832	80513	100	177	204	7.4	750	11.0	3.6	33	--
17...	0833	80513	110	177	207	7.4	750	10.0	4.2	38	--
17...	0834	80513	120	177	215	7.5	750	9.5	4.6	41	--
17...	0835	80513	130	177	226	7.4	750	9.0	4.2	37	--
17...	0836	80513	140	177	228	7.4	750	8.5	3.7	32	--
17...	0837	80513	150	177	234	7.4	750	8.5	2.4	21	--
17...	0838	80513	160	177	238	7.3	750	8.0	1.5	13	--
17...	0839	80513	170	177	237	7.3	750	8.0	1.1	9	--
17...	0840	80513	177	177	236	7.3	750	8.0	0.9	8	--

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

LOCATION.--Lat 36°35'40", long 93°18'33", in NW1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek and 6.1 mi southwest of Branson, Missouri.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT								
11...	0811	80513	218	7.1	755	14.5	5.4	53
24...	0902	80513	207	7.4	754	13.5	6.6	63
NOV								
08...	1429	80513	223	7.2	758	15.5	7.8	78
DEC								
14...	1439	80513	209	7.5	749	12.5	8.7	83
JAN								
24...	1706	80513	233	7.4	755	7.0	11.6	97
MAR								
21...	1348	80513	232	8.1	756	10.0	13.0	116
JUN								
13...	1325	80513	227	7.7	752	9.0	9.2	81
JUL								
10...	0721	80513	235	7.0	755	9.5	6.9	60
AUG								
22...	1507	80513	223	7.4	751	9.5	5.0	45
SEP								
17...	0754	80513	226	7.4	750	10.5	5.1	47

07054500 BULL SHOALS LAKE NEAR FLIPPIN

LOCATION.--Lat 36°21'56", long 92°34'29", in NW1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 6.3 mi northeast of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
11...	1138	80513	0.0	169	253	8.2	762	21.5	8.3	94	4.20
11...	1139	80513	10.0	169	252	8.2	762	21.0	7.9	89	--
11...	1140	80513	20.0	169	252	8.1	762	21.0	7.3	82	--
11...	1141	80513	30.0	169	253	8.0	762	21.0	7.2	81	--
11...	1142	80513	40.0	169	254	7.9	762	21.0	6.4	72	--
11...	1143	80513	50.0	169	254	7.8	762	20.5	5.9	66	--
11...	1144	80513	60.0	169	260	7.3	762	20.0	0.4	4	--
11...	1145	80513	65.0	169	255	7.2	762	19.0	0.1	2	--
11...	1146	80513	70.0	169	254	7.2	762	18.5	0.3	3	--
11...	1147	80513	80.0	169	254	7.2	762	18.0	0.3	3	--
11...	1148	80513	90.0	169	256	7.2	762	17.0	0.5	5	--
11...	1149	80513	100	169	256	7.2	762	16.5	0.9	9	--
11...	1150	80513	110	169	257	7.2	762	15.5	1.2	12	--
11...	1151	80513	120	169	257	7.2	762	15.0	0.7	7	--
11...	1152	80513	130	169	261	7.2	762	14.0	0.1	1	--
11...	1153	80513	140	169	269	7.2	762	12.5	0.1	1	--
11...	1154	80513	150	169	267	7.2	762	11.5	0.1	1	--
11...	1155	80513	160	169	267	7.2	762	10.5	0.1	1	--
11...	1156	80513	169	169	268	7.2	762	10.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	1418	80513	0.0	165	261	7.9	754	19.0	7.7	85	4.70
24...	1419	80513	10.0	165	261	7.9	754	19.0	7.6	83	--
24...	1420	80513	20.0	165	261	7.9	754	19.0	7.4	81	--
24...	1422	80513	30.0	165	260	7.9	754	19.0	7.4	81	--
24...	1423	80513	40.0	165	260	7.9	754	19.0	7.3	80	--
24...	1424	80513	50.0	165	260	7.9	754	19.0	7.2	78	--
24...	1425	80513	60.0	165	260	7.9	754	19.0	6.9	76	--
24...	1426	80513	70.0	165	261	7.9	754	19.0	6.8	75	--
24...	1427	80513	80.0	165	261	7.8	754	19.0	6.6	72	--
24...	1428	80513	86.0	165	261	7.2	754	18.5	0.7	8	--
24...	1429	80513	90.0	165	261	7.2	754	18.0	0.3	3	--
24...	1430	80513	100	165	262	7.1	754	17.5	0.1	1	--
24...	1431	80513	109	165	265	7.1	754	16.5	0.1	1	--
24...	1432	80513	110	165	265	7.1	754	16.5	0.2	2	--
24...	1433	80513	120	165	267	7.1	754	15.5	0.2	2	--
24...	1434	80513	128	165	269	7.1	754	14.5	0.1	1	--
24...	1435	80513	130	165	270	7.1	754	14.0	0.1	1	--
24...	1436	80513	137	165	275	7.1	754	13.5	0.1	1	--
24...	1437	80513	140	165	278	7.1	754	13.0	0.1	1	--
24...	1438	80513	149	165	276	7.1	754	12.0	0.1	1	--
24...	1439	80513	150	165	276	7.1	754	12.0	0.1	1	--
24...	1440	80513	156	165	275	7.1	754	11.0	0.1	1	--
24...	1441	80513	160	165	276	7.1	754	10.5	0.1	1	--
24...	1442	80513	165	165	279	7.1	754	10.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
07...	1233	80513	0.0	166	258	7.8	752	17.0	7.4	78	4.40
07...	1234	80513	10.0	166	258	7.8	752	17.0	7.2	75	--
07...	1235	80513	20.0	166	258	7.7	752	17.0	6.9	72	--
07...	1236	80513	30.0	166	258	7.7	752	17.0	6.8	71	--
07...	1237	80513	40.0	166	259	7.7	752	17.0	6.8	71	--
07...	1238	80513	50.0	166	258	7.7	752	17.0	6.8	71	--
07...	1239	80513	60.0	166	258	7.7	752	17.0	6.8	71	--
07...	1240	80513	70.0	166	258	7.7	752	17.0	6.7	70	--
07...	1241	80513	80.0	166	258	7.7	752	17.0	6.7	70	--
07...	1242	80513	90.0	166	259	7.6	752	16.5	5.7	59	--
07...	1243	80513	100	166	262	7.2	752	16.5	1.1	11	--
07...	1244	80513	110	166	265	7.1	752	15.5	0.2	2	--
07...	1245	80513	120	166	264	7.1	752	15.0	0.1	1	--
07...	1246	80513	130	166	269	7.1	752	14.0	0.1	1	--
07...	1247	80513	140	166	275	7.1	752	13.0	0.1	1	--
07...	1248	80513	150	166	274	7.1	752	12.0	0.1	1	--
07...	1249	80513	160	166	274	7.1	752	11.0	0.1	1	--
07...	1250	80513	166	166	276	7.1	752	10.5	0.1	1	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
13...	0910	80513	0.0	170	265	6.6	751	12.0	8.1	77	2.90
13...	0911	80513	10.0	170	264	7.0	751	12.0	7.9	74	--
13...	0912	80513	20.0	170	263	7.1	751	12.0	7.9	74	--
13...	0913	80513	30.0	170	263	7.2	751	12.0	7.9	74	--
13...	0914	80513	40.0	170	264	7.3	751	12.0	7.8	74	--
13...	0915	80513	50.0	170	263	7.3	751	12.0	7.8	74	--
13...	0916	80513	60.0	170	264	7.4	751	12.0	7.9	75	--
13...	0917	80513	70.0	170	264	7.4	751	12.0	8.2	77	--
13...	0918	80513	80.0	170	263	7.4	751	12.0	8.1	76	--
13...	0919	80513	90.0	170	264	7.4	751	12.0	6.9	65	--
13...	0920	80513	100	170	264	7.4	751	11.5	6.8	63	--
13...	0921	80513	110	170	264	7.4	751	11.5	7.1	66	--
13...	0922	80513	120	170	266	7.3	751	11.5	5.9	55	--
13...	0923	80513	120	170	266	7.3	751	11.5	6.1	57	--
13...	0924	80513	130	170	266	7.3	751	11.5	6.4	60	--
13...	0925	80513	140	170	269	7.2	751	11.5	3.6	33	--
13...	0926	80513	150	170	267	7.3	751	11.0	5.2	48	--
13...	0927	80513	160	170	271	7.2	751	11.0	4.1	37	--
13...	0928	80513	170	170	286	7.1	751	10.5	0.2	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
23...	0847	80513	0.0	173	260	6.7	746	8.0	9.9	85	4.60
23...	0848	80513	10.0	173	260	7.1	746	7.5	9.9	84	--
23...	0850	80513	20.0	173	259	7.3	746	7.5	9.8	84	--
23...	0851	80513	30.0	173	260	7.4	746	7.5	9.8	84	--
23...	0852	80513	40.0	173	260	7.4	746	7.5	9.8	84	--
23...	0853	80513	50.0	173	259	7.4	746	7.5	9.8	83	--
23...	0854	80513	60.0	173	259	7.5	746	7.5	9.8	83	--
23...	0855	80513	70.0	173	260	7.5	746	7.5	9.8	83	--
23...	0856	80513	80.0	173	260	7.5	746	7.5	9.8	83	--
23...	0857	80513	90.0	173	259	7.5	746	7.5	9.7	83	--
23...	0858	80513	100	173	260	7.5	746	7.5	9.7	83	--
23...	0859	80513	110	173	260	7.5	746	7.5	9.7	83	--
23...	0900	80513	120	173	260	7.5	746	7.5	9.8	83	--
23...	0901	80513	130	173	260	7.5	746	7.5	9.7	83	--
23...	0902	80513	140	173	260	7.5	746	7.5	9.7	83	--
23...	0903	80513	150	173	260	7.5	746	7.5	9.7	83	--
23...	0904	80513	160	173	260	7.5	746	7.5	9.7	83	--
23...	0905	80513	170	173	260	7.5	746	7.5	9.5	81	--
23...	0906	80513	173	173	261	7.5	746	7.5	9.3	79	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
20...	1243	80513	0.0	163	271	8.5	759	8.0	12.3	104	6.10
20...	1244	80513	10.0	163	272	8.4	759	8.0	12.1	102	--
20...	1245	80513	20.0	163	271	8.3	759	8.0	12.0	101	--
20...	1246	80513	30.0	163	271	8.3	759	8.0	12.0	101	--
20...	1247	80513	40.0	163	271	8.3	749	8.0	11.9	102	--
20...	1248	80513	50.0	163	271	8.3	749	8.0	11.9	101	--
20...	1249	80513	60.0	163	272	8.3	749	7.5	11.8	101	--
20...	1250	80513	70.0	163	270	8.2	759	7.5	11.7	98	--
20...	1251	80513	80.0	163	269	8.2	759	7.0	11.6	96	--
20...	1252	80513	90.0	163	269	8.2	759	7.0	11.6	96	--
20...	1253	80513	100	163	269	8.2	759	7.0	11.5	95	--
20...	1254	80513	110	163	270	8.2	759	7.0	11.5	95	--
20...	1255	80513	120	163	270	8.1	759	6.5	11.5	94	--
20...	1256	80513	130	163	270	8.1	759	6.5	11.4	92	--
20...	1257	80513	140	163	271	8.1	759	6.5	11.2	91	--
20...	1258	80513	150	163	271	8.0	759	6.5	10.8	88	--
20...	1259	80513	160	163	270	8.0	759	6.0	10.7	87	--
20...	1300	80513	163	163	270	8.0	759	6.0	10.6	86	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
12...	1422	80513	0.0	176	261	8.2	762	27.0	8.3	104	6.70
12...	1423	80513	5.00	176	260	8.3	762	25.0	8.4	102	--
12...	1424	80513	10.0	176	260	8.4	762	24.5	8.7	105	--
12...	1425	80513	20.0	176	257	8.4	762	24.0	8.8	104	--
12...	1426	80513	26.0	176	260	8.3	762	23.5	8.3	98	--
12...	1427	80513	28.0	176	256	8.2	762	22.0	8.4	96	--
12...	1428	80513	29.0	176	257	8.2	762	21.0	9.2	103	--
12...	1429	80513	30.0	176	257	8.2	762	19.5	9.4	103	--
12...	1430	80513	31.0	176	255	8.1	762	18.0	9.3	98	--
12...	1431	80513	33.0	176	253	8.2	762	17.0	9.1	95	--
12...	1432	80513	35.0	176	252	8.2	762	16.5	9.2	93	--
12...	1433	80513	38.0	176	254	8.1	762	15.0	8.9	89	--
12...	1434	80513	40.0	176	254	8.1	762	14.5	9.1	90	--
12...	1435	80513	50.0	176	254	8.0	762	13.5	8.3	80	--
12...	1436	80513	60.0	176	252	8.0	762	13.0	7.4	70	--
12...	1437	80513	70.0	176	254	7.9	762	12.0	7.1	66	--
12...	1438	80513	80.0	176	255	7.9	762	10.5	7.3	66	--
12...	1439	80513	90.0	176	253	7.9	762	10.0	7.3	65	--
12...	1440	80513	100	176	252	7.9	762	9.0	7.6	66	--
12...	1441	80513	110	176	251	7.9	762	9.0	7.2	62	--
12...	1442	80513	120	176	250	7.9	762	8.0	7.2	61	--
12...	1444	80513	130	176	250	7.8	762	8.0	7.4	62	--
12...	1445	80513	140	176	250	7.8	762	7.5	7.4	62	--
12...	1446	80513	150	176	253	7.7	762	7.5	6.6	55	--
12...	1447	80513	160	176	254	7.7	762	7.5	6.1	51	--
12...	1448	80513	170	176	255	7.7	762	7.5	6.1	50	--
12...	1449	80513	176	176	254	7.7	762	7.5	5.4	45	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
10...	1210	80513	0.0	181	260	8.1	765	28.5	8.4	108	6.70
10...	1211	80513	10.0	181	261	8.1	765	28.5	8.5	110	--
10...	1212	80513	20.0	181	261	8.1	765	28.5	8.6	110	--
10...	1213	80513	27.0	181	258	8.1	765	28.0	9.1	116	--
10...	1214	80513	28.0	181	256	8.1	765	27.5	10.7	135	--
10...	1215	80513	29.0	181	253	8.1	765	25.0	12.4	149	--
10...	1216	80513	30.0	181	252	8.1	765	23.0	12.7	148	--
10...	1217	80513	31.0	181	252	8.1	765	22.0	12.9	147	--
10...	1218	80513	32.0	181	251	8.1	765	21.5	13.2	149	--
10...	1219	80513	33.0	181	253	8.1	765	20.5	13.3	147	--
10...	1220	80513	34.0	181	255	8.1	765	19.5	13.0	142	--
10...	1221	80513	37.0	181	258	8.1	765	18.0	12.2	129	--
10...	1222	80513	40.0	181	260	7.9	765	17.0	11.0	113	--
10...	1223	80513	43.0	181	260	7.8	765	16.0	10.2	103	--
10...	1224	80513	50.0	181	261	7.7	765	14.5	9.5	93	--
10...	1225	80513	60.0	181	260	7.6	765	13.0	8.8	83	--
10...	1226	80513	70.0	181	260	7.5	765	12.5	8.0	75	--
10...	1227	80513	80.0	181	262	7.4	765	11.0	7.8	71	--
10...	1228	80513	90.0	181	262	7.4	765	10.0	8.0	71	--
10...	1229	80513	100	181	259	7.4	765	9.0	8.4	73	--
10...	1230	80513	110	181	258	7.4	765	8.5	8.5	72	--
10...	1231	80513	120	181	256	7.4	765	8.0	8.3	70	--
10...	1232	80513	130	181	255	7.4	765	7.5	8.1	67	--
10...	1233	80513	140	181	256	7.3	765	7.5	7.8	64	--
10...	1234	80513	150	181	256	7.3	765	7.5	7.4	62	--
10...	1235	80513	160	181	257	7.3	765	7.0	7.0	58	--
10...	1236	80513	170	181	258	7.3	765	7.0	6.4	52	--
10...	1237	80513	180	181	261	7.2	765	7.0	5.1	42	--
10...	1238	80513	181	181	263	7.2	765	7.0	4.7	39	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
21...	1142	80513	0.0	169	252	8.2	755	28.0	8.1	104	6.20
21...	1143	80513	10.0	169	252	8.2	755	27.5	8.0	102	--
21...	1144	80513	20.0	169	253	8.2	755	27.5	8.0	102	--
21...	1147	80513	27.0	169	255	8.2	755	27.0	9.3	118	--
21...	1148	80513	28.0	169	254	8.2	755	26.0	10.9	136	--
21...	1149	80513	29.0	169	254	8.2	755	25.5	11.8	146	--
21...	1151	80513	30.0	169	253	8.3	755	25.0	12.1	148	--
21...	1152	80513	32.0	169	255	8.3	755	24.0	12.0	143	--
21...	1153	80513	34.0	169	254	8.3	755	23.0	12.0	141	--
21...	1154	80513	37.0	169	256	8.3	755	22.0	11.8	136	--
21...	1155	80513	40.0	169	255	8.2	755	21.0	11.4	129	--
21...	1156	80513	42.0	169	257	8.2	755	20.0	10.7	119	--
21...	1157	80513	47.0	169	256	8.1	755	19.0	9.9	108	--
21...	1158	80513	50.0	169	259	8.0	755	18.0	8.6	92	--
21...	1159	80513	54.0	169	257	7.9	755	17.0	8.0	83	--
21...	1200	80513	60.0	169	258	7.8	755	15.5	6.5	66	--
21...	1201	80513	65.0	169	259	7.7	755	14.5	5.6	56	--
21...	1202	80513	70.0	169	260	7.7	755	14.0	5.3	52	--
21...	1203	80513	80.0	169	262	7.6	755	13.0	4.6	44	--
21...	1205	80513	90.0	169	262	7.6	755	12.0	4.5	43	--
21...	1206	80513	100	169	261	7.6	755	11.0	4.8	44	--
21...	1207	80513	110	169	261	7.6	755	10.0	5.0	44	--
21...	1208	80513	120	169	257	7.6	755	9.5	4.9	43	--
21...	1209	80513	130	169	258	7.6	755	8.5	4.8	41	--
21...	1210	80513	140	169	258	7.5	755	8.5	4.3	37	--
21...	1211	80513	150	169	257	7.5	755	8.0	4.2	36	--
21...	1212	80513	160	169	257	7.4	755	8.0	2.9	25	--
21...	1213	80513	169	169	257	7.4	755	8.0	2.7	23	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
18...	1344	80513	0.0	168	239	8.3	755	25.0	8.7	107	5.80
18...	1345	80513	10.0	168	239	8.3	755	25.0	8.8	108	--
18...	1346	80513	20.0	168	239	8.3	755	25.0	8.8	107	--
18...	1347	80513	30.0	168	240	8.3	755	25.0	9.0	110	--
18...	1348	80513	31.0	168	241	8.3	755	24.5	9.7	118	--
18...	1349	80513	32.0	168	250	8.2	755	23.0	10.9	128	--
18...	1350	80513	33.0	168	251	8.1	755	22.0	11.0	127	--
18...	1351	80513	35.0	168	253	8.1	755	21.0	9.8	111	--
18...	1352	80513	40.0	168	257	7.8	755	20.0	8.2	91	--
18...	1353	80513	44.0	168	257	7.7	755	19.0	6.7	74	--
18...	1354	80513	49.0	168	259	7.5	755	18.0	5.5	58	--
18...	1355	80513	50.0	168	259	7.5	755	17.5	5.2	55	--
18...	1356	80513	57.0	168	257	7.5	755	16.5	4.7	49	--
18...	1357	80513	60.0	168	258	7.5	755	16.0	4.3	44	--
18...	1358	80513	68.0	168	258	7.5	755	14.5	4.0	39	--
18...	1359	80513	70.0	168	256	7.5	755	14.5	4.1	41	--
18...	1400	80513	76.0	168	257	7.5	755	13.5	3.8	36	--
18...	1401	80513	80.0	168	257	7.5	755	13.5	3.6	35	--
18...	1402	80513	90.0	168	257	7.5	755	12.5	3.6	34	--
18...	1403	80513	100	168	255	7.5	755	12.0	3.7	35	--
18...	1404	80513	110	168	255	7.5	755	11.0	3.6	33	--
18...	1405	80513	120	168	257	7.5	755	9.5	3.3	29	--
18...	1406	80513	130	168	256	7.4	755	9.0	3.1	27	--
18...	1407	80513	140	168	254	7.4	755	8.5	2.6	22	--
18...	1408	80513	150	168	253	7.4	755	8.5	2.2	19	--
18...	1409	80513	160	168	254	7.3	755	8.0	1.6	14	--
18...	1410	80513	168	168	252	7.3	755	8.0	0.9	8	--

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN

LOCATION.--Lat 36°21'56", long 92°34'29", in NW1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 11.9 mi upstream from gaging station, 6.3 mi northwest of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

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

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1954 to September 1964, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
11...	1316	80513	80513	258	7.3	763	16.0	2.9	29
24...	1500	80513	80513	266	7.5	759	16.5	8.9	92
NOV									
07...	1129	80513	80513	267	7.5	757	16.0	10.1	103
DEC									
13...	1009	80513	80513	266	7.6	755	12.0	10.0	94
JAN									
23...	0943	80513	80513	264	7.7	750	8.0	10.9	94
MAR									
20...	1320	80513	80513	274	8.2	762	7.5	13.0	108
JUN									
12...	1507	80513	80513	250	7.9	762	10.0	8.1	71
JUL									
10...	1408	80513	80513	257	7.4	767	9.5	9.4	81
AUG									
21...	1241	80513	80513	260	7.6	758	11.0	6.0	55
SEP									
18...	1322	80513	80513	261	7.9	759	13.0	8.5	82

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.8	---	---	8.0	4.0	6.1	9.0	6.3	7.3	9.1	8.1	8.4
2	6.5	3.5	5.2	8.2	4.7	6.7	8.5	5.8	6.7	9.7	8.2	8.8
3	6.2	3.3	4.3	9.2	5.5	6.8	8.8	6.4	7.5	9.9	8.2	9.0
4	---	---	---	8.8	5.5	7.2	9.2	5.9	7.4	9.9	8.2	9.1
5	7.4	2.9	3.8	8.4	4.8	6.7	9.6	6.6	7.9	10.5	8.3	9.2
6	7.4	3.1	4.3	8.4	4.6	6.8	10.7	7.3	8.3	10.2	8.3	9.1
7	9.1	3.2	5.5	10.1	5.8	8.5	9.0	7.0	8.0	10.0	8.6	9.1
8	8.8	2.6	4.6	10.6	5.9	7.8	9.7	6.7	8.1	11.1	8.5	9.5
9	6.7	2.6	3.8	10.4	4.2	7.8	9.9	7.6	8.6	10.5	8.8	9.6
10	10.4	2.5	4.8	9.3	7.8	8.4	9.6	7.1	8.3	10.7	8.8	9.6
11	7.8	2.8	5.0	11.5	6.8	9.4	10.3	7.4	8.3	11.0	8.8	9.7
12	9.9	3.0	5.6	11.0	8.9	9.8	9.9	6.4	8.0	---	---	---
13	9.8	3.3	6.2	10.8	6.2	9.1	---	---	---	---	---	---
14	10.6	3.9	8.0	11.0	6.1	9.0	8.5	6.1	7.0	---	---	---
15	10.4	3.9	8.1	9.4	6.4	8.4	9.4	6.0	7.5	---	---	---
16	10.4	3.3	7.1	11.4	7.3	9.5	9.3	6.8	8.1	---	---	---
17	9.4	3.3	6.5	9.7	6.0	7.8	9.3	7.0	7.7	---	---	---
18	10.4	3.5	7.2	11.2	9.3	10.1	9.4	6.6	7.7	---	---	---
19	9.7	3.1	6.7	10.7	9.1	9.7	10.3	7.2	8.8	---	---	---
20	8.1	4.4	6.5	11.1	9.1	10.0	10.3	8.1	9.2	---	---	---
21	10.1	4.4	7.5	11.1	7.8	9.9	9.7	7.8	8.5	---	---	---
22	10.4	7.6	8.6	11.5	8.0	9.9	10.1	7.8	8.7	---	---	---
23	8.0	3.0	5.9	11.9	7.2	10.3	9.8	8.0	8.7	---	---	---
24	9.3	4.1	6.7	12.2	10.2	11.0	9.8	7.9	8.6	---	---	---
25	7.7	4.0	5.9	11.9	9.9	10.7	9.9	8.1	8.7	---	---	---
26	10.2	3.3	7.3	11.6	9.6	10.4	10.3	8.2	9.0	---	---	---
27	10.2	4.2	8.0	10.6	6.8	8.9	10.1	8.3	8.9	---	---	---
28	10.5	7.8	8.8	11.1	8.6	9.7	10.9	8.3	9.2	---	---	---
29	10.2	6.6	8.5	11.9	10.0	10.8	10.9	8.2	9.3	---	---	---
30	8.3	4.4	7.5	10.0	7.2	8.7	9.6	8.4	8.9	---	---	---
31	8.1	4.2	6.5	---	---	---	9.5	8.1	8.6	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.7	8.4	8.5	8.8	6.9	7.7	10.5	7.7	8.6	7.4	4.8	5.9
2	9.2	7.8	8.5	9.5	7.0	8.0	10.4	7.5	8.6	7.4	4.9	6.2
3	9.3	7.8	8.5	10.0	6.7	8.0	9.9	7.5	8.5	7.4	4.8	5.6
4	9.4	7.8	8.5	8.3	6.5	7.3	10.2	7.4	8.4	---	---	---
5	8.9	7.7	8.3	8.7	6.3	7.5	9.7	7.3	8.1	7.1	4.7	5.3
6	---	---	---	9.0	6.3	7.3	9.5	6.2	7.4	7.6	4.6	5.5
7	---	---	---	9.4	6.2	7.3	8.4	6.2	7.0	7.7	4.5	6.2
8	---	---	---	9.6	6.2	7.6	8.2	5.8	6.6	8.2	4.2	5.3
9	---	---	---	7.9	6.1	7.1	8.4	5.7	6.5	6.9	4.2	4.9
10	---	---	---	---	---	---	7.5	5.7	6.5	7.6	4.3	5.2
11	---	---	---	9.4	6.6	7.6	7.2	5.7	6.2	---	---	---
12	---	---	---	8.5	6.8	7.4	8.5	5.7	6.5	---	---	---
13	---	---	---	9.4	6.9	7.6	---	---	---	7.3	4.2	5.3
14	11.7	8.6	9.9	9.0	7.0	7.9	8.6	5.7	6.3	6.6	4.1	5.2
15	11.9	8.6	10.0	9.0	7.2	7.9	8.0	5.7	6.2	6.9	4.0	5.1
16	12.4	8.8	10.2	9.1	7.3	8.1	7.2	5.4	6.0	8.9	4.2	5.9
17	12.0	8.8	10.2	9.3	7.4	8.2	7.8	5.4	6.3	7.9	3.9	5.8
18	11.6	8.5	9.6	9.8	7.7	8.4	7.6	5.3	6.0	---	---	---
19	12.0	8.5	10.0	9.8	7.8	8.5	7.4	5.3	5.8	8.2	4.2	6.0
20	11.4	8.6	9.9	10.3	7.9	9.1	7.4	5.3	5.9	7.9	4.2	5.6
21	11.5	8.7	9.9	9.9	7.9	8.9	8.5	5.4	6.3	6.5	4.3	5.6
22	11.7	8.9	10.2	9.9	8.0	8.7	8.8	5.6	6.3	6.1	4.2	5.4
23	12.0	8.9	10.6	10.5	8.3	8.9	7.6	5.4	6.1	7.7	4.2	5.9
24	12.2	9.1	10.3	10.0	6.2	7.9	8.2	5.3	6.7	7.9	4.2	6.0
25	12.5	9.2	10.5	11.2	8.0	8.9	8.3	5.2	6.4	7.1	4.1	5.2
26	11.6	7.9	9.2	10.7	7.9	9.2	8.1	5.1	6.1	7.3	4.0	5.6
27	9.9	7.2	8.2	9.6	7.8	8.5	7.7	5.1	6.2	7.1	4.3	5.3
28	9.9	7.3	8.2	10.2	8.6	9.5	7.6	5.1	6.1	8.0	4.1	5.6
29	9.9	7.2	8.0	10.2	7.8	8.9	7.9	5.0	6.3	7.6	4.0	5.2
30	9.7	7.1	8.3	10.1	8.0	8.7	8.2	4.9	6.6	7.7	4.4	6.3
31	---	---	---	9.6	7.7	8.4	8.4	4.9	6.2	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.0	---	---	16.1	15.3	15.8	14.3	12.7	13.2	9.7	9.2	9.5
2	15.7	14.9	15.4	16.8	15.5	16.2	14.5	12.7	13.3	9.7	8.7	9.2
3	15.9	14.6	15.4	16.7	15.9	16.5	14.0	12.5	13.3	9.5	8.6	9.0
4	15.7	14.2	15.1	16.3	15.6	16.1	13.4	12.1	12.8	9.8	8.7	9.1
5	15.9	14.1	15.3	15.9	15.5	15.8	13.5	12.4	12.9	9.3	8.6	9.0
6	16.9	14.0	15.8	15.7	15.3	15.5	13.2	12.1	12.8	9.1	8.3	8.7
7	16.5	14.1	15.2	16.1	15.4	15.7	13.1	12.0	12.8	8.7	7.1	7.6
8	16.2	14.0	14.7	16.1	15.3	15.8	12.9	11.5	12.6	8.9	7.4	8.4
9	15.8	14.0	15.2	15.8	15.1	15.5	12.7	9.9	11.9	9.2	7.8	8.4
10	15.8	14.3	15.3	15.6	14.7	15.3	12.4	10.7	11.6	9.2	8.0	8.4
11	15.8	14.9	15.5	15.9	14.6	15.4	12.2	10.9	11.8	8.4	7.7	8.2
12	15.8	14.9	15.5	16.0	15.3	15.5	12.3	11.5	11.9	---	---	---
13	15.8	15.0	15.4	15.8	15.1	15.4	12.4	11.4	11.8	---	---	---
14	16.5	14.8	15.6	15.7	15.0	15.3	12.8	11.2	11.7	---	---	---
15	16.1	14.7	15.4	15.2	14.9	15.1	12.3	11.3	11.6	---	---	---
16	15.8	14.9	15.4	15.5	14.7	15.0	11.9	11.0	11.4	---	---	---
17	16.1	14.9	15.5	15.6	14.0	14.8	11.5	10.6	11.1	---	---	---
18	16.1	15.2	15.6	15.3	14.4	14.8	11.5	11.2	11.3	---	---	---
19	16.1	15.1	15.6	15.2	14.4	14.7	11.5	10.6	11.2	---	---	---
20	17.8	15.2	16.6	15.1	14.4	14.6	11.4	10.6	11.0	---	---	---
21	16.6	15.4	16.0	14.8	14.2	14.4	11.0	10.5	10.6	---	---	---
22	16.0	15.2	15.5	15.0	14.2	14.6	11.1	10.3	10.7	---	---	---
23	16.3	15.1	15.7	14.8	14.2	14.4	10.4	9.9	10.2	---	---	---
24	16.9	15.3	16.3	14.7	14.0	14.2	10.7	9.7	10.0	---	---	---
25	16.3	15.2	15.9	14.7	14.0	14.2	10.3	9.7	9.9	---	---	---
26	16.1	15.4	15.7	14.8	13.9	14.2	10.8	9.7	10.1	---	---	---
27	16.7	15.4	15.9	14.1	13.8	14.0	10.4	9.6	9.9	---	---	---
28	16.5	15.6	16.1	14.0	13.6	13.9	10.5	9.1	9.8	---	---	---
29	16.4	15.3	15.7	14.0	13.4	13.6	10.2	8.9	9.6	---	---	---
30	16.0	15.5	15.8	14.1	13.0	13.6	9.7	9.1	9.5	---	---	---
31	16.0	15.3	15.8	---	---	---	10.0	9.5	9.7	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.3	7.9	8.1	9.0	7.8	8.5	9.6	8.7	9.3	11.3	9.1	10.1
2	8.6	7.6	8.3	11.7	8.0	9.0	9.6	8.4	9.0	12.3	9.4	10.4
3	8.6	7.6	8.3	12.1	7.8	9.0	12.4	8.4	9.4	10.9	9.3	10.3
4	8.5	7.6	8.2	8.6	7.7	8.1	10.7	8.3	9.1	11.2	9.3	10.3
5	8.5	7.7	8.2	10.5	7.7	8.6	9.7	8.3	9.1	11.2	9.6	10.5
6	8.5	7.8	8.3	11.6	7.9	8.7	9.9	8.5	9.3	11.2	9.8	10.7
7	8.5	8.5	8.5	11.6	7.9	8.8	9.9	9.4	9.7	13.1	9.8	10.9
8	8.5	8.5	8.5	13.0	8.0	9.6	10.0	8.5	9.3	11.8	9.7	10.3
9	---	---	---	8.9	7.8	8.5	9.9	8.4	9.2	11.2	9.5	10.5
10	---	---	---	8.8	7.6	8.4	12.0	8.3	9.5	11.3	9.7	10.6
11	---	---	---	9.8	7.9	8.4	9.8	8.6	9.2	---	---	---
12	---	---	---	9.2	7.8	8.5	9.9	8.5	9.2	---	---	---
13	---	---	---	9.0	8.0	8.5	9.9	8.5	9.3	12.3	9.6	10.5
14	9.0	7.7	8.2	10.1	8.0	8.7	10.1	8.4	9.4	11.9	9.4	10.4
15	8.6	7.6	8.2	9.1	7.9	8.5	10.2	8.8	9.5	11.7	9.7	10.4
16	9.7	7.5	8.2	10.0	7.8	8.5	10.2	8.8	9.6	11.8	10.0	10.9
17	8.8	7.6	8.2	9.3	8.0	8.7	10.2	8.8	9.5	11.3	9.6	10.6
18	9.2	7.6	8.3	9.4	8.1	8.9	11.1	8.9	9.6	12.4	9.5	10.5
19	9.6	7.8	8.3	9.4	8.1	8.9	10.3	8.9	9.7	11.3	9.6	10.7
20	8.8	7.6	8.2	11.0	8.3	9.0	10.5	8.9	9.9	12.6	9.8	10.8
21	9.0	7.7	8.2	11.0	8.1	8.8	10.6	9.1	10.1	11.7	10.0	11.2
22	9.2	7.7	8.3	9.5	8.0	8.8	10.6	9.1	10.1	11.3	9.6	10.9
23	10.2	7.7	8.4	9.4	8.1	8.8	10.6	9.1	10.0	13.2	9.5	10.9
24	10.1	7.7	8.4	9.2	8.2	8.8	10.6	9.4	10.1	11.7	10.0	11.0
25	11.2	7.7	8.5	11.7	8.2	9.2	11.9	9.2	10.1	11.5	9.8	10.5
26	10.2	7.5	8.4	11.0	8.1	9.2	10.5	9.1	9.9	11.3	10.1	10.8
27	8.8	7.6	8.3	9.4	8.2	8.8	10.7	9.2	10.0	11.7	9.9	11.1
28	9.2	7.6	8.5	11.0	8.9	9.3	11.1	9.3	10.1	12.6	9.7	10.7
29	9.1	8.0	8.6	9.8	8.2	9.1	10.7	9.2	10.0	11.7	9.6	10.5
30	10.8	7.9	8.7	9.6	8.6	9.3	10.5	9.1	9.9	11.5	10.4	11.3
31	---	---	---	9.8	8.2	9.2	12.0	9.1	9.9	---	---	---

07054502 WHITE RIVER BELOW BULL SHOALS DAM AT BULL SHOALS

LOCATION.--Lat 36°21'44", long 92°23'11", in NW1/4SE1/4 sec.20, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, on White River, 11.8 mi upstream from gaging station, 3 mi southeast of Bull Shoals.

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

PERIOD OF RECORD.--May 1994 to September 1994.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: May 1994 to September 1994.

DISSOLVED OXYGEN: May 1994 to September 1994.

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.4	5.8	6.7	---	---	---	---	---	---
2	7.9	5.5	6.2	8.5	6.1	7.3	---	---	---	9.9	8.7	9.3
3	7.4	5.4	6.1	8.3	5.6	7.4	13.6	6.7	9.0	12.6	9.0	10.3
4	8.1	4.2	6.4	9.4	6.4	7.8	12.8	7.1	8.9	13.4	9.4	10.6
5	7.9	4.5	5.9	8.4	5.6	7.0	13.7	7.4	9.4	11.7	9.2	10.0
6	8.3	4.9	6.1	8.5	5.1	6.8	11.4	7.7	8.7	12.7	8.9	10.1
7	---	---	---	12.8	4.9	7.9	9.6	7.5	8.6	12.7	9.0	10.7
8	---	---	---	12.4	6.1	7.8	9.3	7.4	8.3	12.6	9.3	10.2
9	8.6	4.6	6.0	12.3	5.4	8.0	10.8	7.1	8.8	13.4	9.3	10.7
10	---	---	---	10.0	5.1	7.2	12.8	7.9	9.6	13.6	9.3	10.5
11	6.8	4.7	6.0	13.7	6.8	9.1	10.7	7.4	8.7	12.4	9.0	10.3
12	8.3	5.3	6.6	12.9	6.4	9.0	11.1	7.3	8.4	---	---	---
13	9.8	6.0	7.1	13.0	6.4	8.4	12.0	7.4	9.0	---	---	---
14	---	---	---	13.2	6.2	8.6	14.2	7.2	9.3	---	---	---
15	---	---	---	9.2	6.8	7.7	12.3	6.9	8.8	---	---	---
16	---	---	---	12.8	6.7	9.0	---	---	---	---	---	---
17	---	---	---	13.5	7.0	8.9	10.4	7.8	8.9	---	---	---
18	---	---	---	13.2	6.9	9.1	10.2	7.9	8.9	---	---	---
19	10.3	5.9	7.1	12.9	6.3	8.5	10.2	9.1	9.6	---	---	---
20	9.0	6.2	7.3	13.0	6.2	8.5	12.0	8.7	9.7	---	---	---
21	14.0	6.4	8.6	12.5	7.0	8.7	12.4	8.7	9.9	---	---	---
22	---	---	---	11.8	7.7	8.7	11.6	8.3	9.5	---	---	---
23	6.9	4.9	6.1	12.8	6.0	8.6	12.3	8.9	10.0	---	---	---
24	12.1	5.9	7.6	12.9	7.6	9.4	13.2	8.8	10.3	---	---	---
25	10.3	6.0	7.5	12.9	7.1	9.1	12.6	8.9	10.1	---	---	---
26	---	---	---	12.6	6.6	8.8	13.7	8.9	10.4	---	---	---
27	---	---	---	8.5	5.8	7.1	12.9	9.0	10.3	---	---	---
28	15.3	6.7	9.6	9.6	6.6	8.1	13.4	8.9	10.5	---	---	---
29	15.1	6.6	9.3	11.7	7.6	9.0	13.4	9.4	10.4	---	---	---
30	8.8	6.0	7.0	11.5	7.4	8.5	11.8	9.1	10.1	---	---	---
31	8.0	5.4	6.7	---	---	---	12.0	8.8	9.9	---	---	---
MONTH	---	---	---	13.7	4.9	8.2	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.6	8.7	9.1	11.3	8.4	9.7	11.6	8.0	9.2	17.2	5.4	9.4
2	10.0	7.7	8.7	18.7	8.7	11.4	12.5	7.7	9.4	18.4	7.4	10.4
3	9.8	7.3	8.9	18.3	8.1	11.9	17.5	7.9	11.1	---	---	---
4	9.6	7.6	8.8	15.0	8.1	10.9	15.2	7.4	9.2	10.0	5.9	7.2
5	9.2	7.1	8.6	17.5	8.1	11.8	13.8	7.3	8.9	11.1	5.8	7.5
6	9.7	6.9	8.4	17.7	8.2	10.8	---	---	---	11.6	5.9	7.7
7	9.1	6.9	8.4	15.5	8.5	10.5	10.3	7.4	9.0	20.4	7.0	10.7
8	9.5	6.8	8.5	18.0	8.2	11.9	12.2	7.7	9.3	---	---	---
9	9.6	6.7	8.2	15.0	8.3	10.9	12.5	7.2	9.0	---	---	---
10	10.0	6.6	7.9	10.3	8.4	9.3	16.2	7.0	10.2	---	---	---
11	8.8	6.9	8.1	14.4	7.6	10.0	12.4	6.3	7.9	---	---	---
12	8.7	7.1	7.9	10.1	7.5	8.6	12.7	5.4	8.2	---	---	---
13	8.7	6.3	7.7	10.6	7.5	8.6	11.3	5.9	7.8	---	---	---
14	13.1	7.0	8.7	13.0	7.6	9.4	10.3	6.3	7.6	---	---	---
15	13.4	6.7	9.3	11.7	6.8	8.5	9.5	6.8	8.2	---	---	---
16	15.8	6.1	9.9	11.4	5.6	7.5	---	---	---	---	---	---
17	14.2	6.1	8.9	9.3	6.0	7.2	---	---	---	12.6	7.6	9.9
18	12.5	6.5	8.4	8.2	6.6	7.5	---	---	---	---	---	---
19	15.8	6.7	9.3	9.9	6.5	7.6	10.4	5.6	7.7	---	---	---
20	12.7	6.9	8.9	11.7	6.4	8.0	---	---	---	---	---	---
21	12.2	7.0	9.0	9.9	5.9	7.6	---	---	---	---	---	---
22	12.7	7.2	9.4	10.2	5.7	7.3	---	---	---	---	---	---
23	15.2	7.3	10.0	8.7	5.8	7.2	---	---	---	---	---	---
24	14.0	7.5	9.8	10.5	6.4	8.3	13.4	6.9	9.0	---	---	---
25	16.6	7.7	10.4	16.3	8.2	10.2	---	---	---	14.0	6.0	8.3
26	---	---	---	16.9	8.3	11.6	---	---	---	9.5	5.9	7.9
27	12.1	8.1	9.7	13.5	8.0	9.4	---	---	---	9.1	5.9	7.3
28	14.1	8.7	10.1	16.5	8.5	10.2	---	---	---	13.4	6.2	9.1
29	11.7	8.9	9.9	14.6	8.0	9.6	---	---	---	13.1	5.9	7.7
30	17.3	9.0	11.1	12.3	8.2	9.4	12.4	5.7	9.3	9.0	6.2	7.6
31	---	---	---	12.9	8.6	9.3	---	---	---	---	---	---
MONTH	---	---	---	18.7	5.6	9.4	---	---	---	---	---	---

07054502 WHITE RIVER BELOW BULL SHOALS DAM AT BULL SHOALS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.3	---	---	16.3	14.9	15.6	---	---	---	9.0	7.9	8.7
2	16.2	14.7	15.6	16.5	15.0	15.9	---	---	---	8.9	6.1	7.6
3	16.3	15.6	16.0	16.5	14.3	16.0	15.2	11.1	13.1	9.0	5.3	6.8
4	16.1	14.9	15.7	16.5	13.0	15.3	13.9	9.9	11.8	11.2	5.8	8.0
5	16.2	14.6	15.6	15.8	13.8	15.0	15.1	10.1	12.1	8.6	6.8	7.6
6	16.9	14.5	16.0	15.5	13.9	14.8	12.9	9.2	11.7	8.4	5.6	6.8
7	20.1	13.9	16.2	17.2	14.4	15.3	13.2	8.6	12.0	7.9	2.3	4.8
8	20.2	13.6	15.5	16.6	12.9	15.1	12.4	9.2	11.8	9.0	3.6	6.9
9	16.5	13.4	15.4	16.6	12.8	14.9	---	---	---	11.1	4.6	7.7
10	17.8	14.8	15.9	15.8	13.3	14.9	---	---	---	10.3	5.8	7.7
11	16.1	14.9	15.7	15.6	12.4	14.0	12.0	7.3	10.7	7.9	6.5	7.5
12	16.6	14.9	15.8	16.6	12.6	14.3	12.2	9.6	11.2	---	---	---
13	16.8	14.6	15.8	15.4	12.8	14.4	13.0	10.5	11.7	---	---	---
14	18.8	14.1	16.1	16.3	12.4	14.4	15.6	10.2	12.2	---	---	---
15	18.9	13.6	15.7	14.8	13.2	14.4	13.3	10.8	11.7	---	---	---
16	18.5	14.1	15.6	16.5	12.8	14.6	13.6	10.1	11.4	---	---	---
17	16.4	14.2	15.4	17.2	12.1	14.5	10.9	7.8	9.6	---	---	---
18	17.8	14.2	15.6	16.6	12.8	14.2	11.1	8.4	10.3	---	---	---
19	17.4	14.3	15.6	17.0	12.7	14.1	10.8	8.1	9.7	---	---	---
20	17.5	14.0	16.2	16.7	12.9	14.2	10.8	8.4	9.9	---	---	---
21	18.6	14.2	16.1	15.5	12.1	13.5	9.6	7.8	8.5	---	---	---
22	18.6	13.7	15.5	15.4	12.0	13.7	10.5	8.1	9.1	---	---	---
23	16.1	14.6	15.4	15.4	12.4	13.7	8.4	7.6	8.0	---	---	---
24	17.6	13.8	15.7	15.3	11.8	12.9	11.5	6.8	8.4	---	---	---
25	16.7	13.4	15.4	16.0	11.8	13.3	8.9	7.2	7.9	---	---	---
26	17.2	14.4	15.6	16.2	12.2	13.7	12.3	7.4	9.1	---	---	---
27	17.8	14.6	15.8	13.8	13.3	13.5	9.3	7.3	8.1	---	---	---
28	17.8	13.9	15.3	13.7	11.1	13.2	9.8	6.4	8.2	---	---	---
29	17.5	13.9	15.4	14.6	10.7	12.2	10.8	5.7	8.2	---	---	---
30	16.1	14.6	15.4	14.9	11.2	12.9	8.4	6.9	7.7	---	---	---
31	16.1	14.8	15.5	---	---	---	9.4	8.2	8.7	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.5	7.9	8.2	11.0	8.9	9.7	12.2	9.5	10.3	15.3	10.7	12.0
2	9.7	8.2	8.6	16.9	9.2	11.5	12.2	9.6	11.0	16.6	10.8	12.5
3	10.1	8.2	8.9	18.0	10.6	12.5	17.7	10.3	12.5	12.1	10.7	11.2
4	9.6	8.2	8.5	11.4	9.4	10.3	14.3	9.7	11.2	12.6	10.9	11.4
5	9.6	8.1	8.5	15.7	9.8	11.4	14.2	9.6	11.0	14.4	10.9	11.5
6	10.3	8.1	8.6	16.4	9.2	11.0	12.3	9.7	10.5	11.8	10.9	11.2
7	10.4	8.4	9.0	15.9	9.2	11.0	10.1	9.8	9.9	17.9	11.1	12.8
8	10.4	8.4	8.9	18.4	10.1	12.7	13.1	10.1	11.3	15.5	11.6	12.9
9	10.4	8.3	8.9	12.0	9.1	10.7	12.9	9.9	11.3	12.6	11.1	11.7
10	10.1	8.3	8.8	10.6	8.9	9.7	17.1	10.0	12.4	14.8	11.1	11.9
11	10.1	8.3	8.7	13.8	9.4	11.1	12.2	10.0	10.9	---	---	---
12	9.6	8.4	8.8	11.0	9.1	9.9	12.0	9.9	10.7	---	---	---
13	10.2	8.4	8.9	11.6	9.1	10.4	11.9	9.7	10.6	16.8	11.4	12.5
14	12.2	8.5	9.5	17.7	9.7	12.2	11.4	9.8	10.4	15.9	10.7	12.1
15	11.3	8.7	9.9	11.7	9.0	10.2	11.8	10.0	10.6	18.4	11.6	13.1
16	13.7	8.9	10.7	16.6	9.0	10.8	12.1	10.2	10.8	18.4	11.4	13.5
17	11.9	8.9	10.3	12.0	9.1	10.3	12.1	10.1	10.6	13.2	11.3	12.1
18	12.0	8.7	10.4	11.2	9.2	9.6	13.2	10.1	11.1	---	---	---
19	13.2	8.5	10.7	13.3	9.2	10.2	11.8	10.1	10.7	---	---	---
20	11.5	8.6	9.8	14.9	9.6	11.2	11.6	10.2	10.6	---	---	---
21	12.0	8.6	10.0	13.6	9.8	11.1	---	---	---	---	---	---
22	12.0	8.8	10.1	12.0	9.3	10.6	11.6	10.4	10.7	---	---	---
23	13.1	9.1	10.4	12.4	9.2	10.4	11.9	10.5	10.9	---	---	---
24	12.9	9.3	10.4	11.4	9.2	9.9	13.3	10.6	11.4	---	---	---
25	15.0	9.0	11.0	15.6	9.3	10.8	16.1	10.3	11.9	14.4	11.6	12.6
26	14.7	8.5	9.9	15.6	10.0	11.9	12.5	10.5	11.3	18.0	11.8	14.8
27	11.3	8.7	9.6	12.1	9.2	10.6	12.6	10.7	11.5	16.4	11.5	12.5
28	12.2	8.8	9.9	14.8	9.4	10.4	14.3	10.7	11.5	17.7	11.1	13.5
29	11.9	8.8	9.7	12.9	9.4	10.6	14.1	10.5	11.4	16.5	10.7	12.0
30	14.4	8.9	10.5	13.1	9.4	10.5	12.5	10.8	11.7	12.4	11.3	11.7
31	---	---	---	12.5	9.5	10.4	16.3	10.6	12.0	---	---	---

07054527 WHITE RIVER BELOW BULL SHOALS DAM NEAR FAIRVIEW

LOCATION.--Lat 36°20'37", long 92°34'27", in SW1/4SE1/4SE1/4 sec.3, T.19 N., R.3 W., Marion County, Hydrologic Unit 11010003, 2.0 mi downstream from Bull Shoals Dam, and 4.0 mi east of Fairview.

PERIOD OF RECORD.--June, 1992 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1992 to current year.

DISSOLVED OXYGEN: June 1992 to current year.

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.1	---	---	7.2	4.6	6.1	12.5	8.4	9.8	---	---	---
2	6.7	4.0	5.6	7.5	5.0	6.4	12.2	8.0	9.6	---	---	---
3	6.1	4.3	5.3	7.4	5.7	6.7	12.2	7.5	9.4	---	---	---
4	7.0	4.4	5.7	8.6	6.0	7.3	12.5	7.4	9.6	---	---	---
5	6.9	3.5	5.2	8.2	5.6	7.0	12.6	8.2	9.8	---	---	---
6	6.9	4.0	5.1	7.7	5.6	6.8	10.8	7.8	9.0	---	---	---
7	15.5	5.0	9.4	11.9	6.2	8.9	9.9	7.7	8.7	---	---	---
8	15.1	5.5	8.6	10.4	6.2	7.7	10.0	7.8	8.6	---	---	---
9	7.4	3.7	5.4	10.8	4.9	7.6	10.6	8.2	9.4	---	---	---
10	13.3	4.1	7.3	10.3	6.1	8.4	13.2	8.7	10.6	---	---	---
11	7.1	3.6	5.2	12.4	6.8	9.7	10.9	8.3	9.4	---	---	---
12	9.0	3.7	5.7	12.4	7.3	9.8	11.4	8.1	9.2	---	---	---
13	---	---	---	11.9	6.6	8.5	11.4	8.1	9.5	---	---	---
14	14.1	5.5	8.6	11.8	6.3	8.5	12.9	8.4	10.0	---	---	---
15	15.9	4.5	10.0	9.0	6.4	7.8	11.9	8.2	9.5	---	---	---
16	14.6	4.5	7.9	11.7	7.1	8.9	13.0	8.9	10.4	---	---	---
17	---	---	---	11.9	6.7	8.7	10.8	8.8	9.6	---	---	---
18	14.5	4.2	7.8	12.7	7.3	9.8	10.4	8.7	9.5	---	---	---
19	13.2	4.9	7.1	12.6	8.4	9.9	10.7	9.3	10.0	---	---	---
20	7.5	5.2	6.1	12.7	8.3	9.9	12.4	9.0	10.4	---	---	---
21	10.8	5.0	7.4	10.9	8.3	9.2	13.1	9.7	11.0	---	---	---
22	12.5	6.3	8.8	10.2	7.9	8.9	11.9	9.2	10.3	---	---	---
23	6.5	4.4	5.6	11.6	7.6	9.2	13.4	9.9	11.3	---	---	---
24	8.6	4.6	6.5	12.8	8.6	10.3	13.9	10.3	11.6	---	---	---
25	8.2	4.4	6.1	12.8	8.5	10.1	13.6	10.1	11.4	---	---	---
26	12.5	4.6	7.6	12.2	8.1	9.7	14.0	10.2	11.5	---	---	---
27	12.7	5.1	8.5	10.7	6.9	8.1	13.8	10.2	11.6	---	---	---
28	12.6	6.2	9.2	9.4	7.7	8.5	14.2	10.2	11.5	---	---	---
29	13.0	7.2	9.4	---	---	---	13.6	10.3	11.4	---	---	---
30	8.6	5.7	7.3	10.0	8.0	8.9	13.0	10.4	11.5	---	---	---
31	7.6	5.4	6.5	---	---	---	12.9	10.0	11.1	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.9	7.9	8.3	14.5	10.4	11.5	10.5	7.8	8.7	12.7	5.5	7.8
2	9.2	7.3	8.3	---	---	---	13.6	7.9	9.4	13.4	6.0	8.6
3	9.0	7.2	8.4	19.9	10.5	13.9	15.9	8.0	10.6	7.4	5.4	6.1
4	9.0	7.4	8.2	16.7	10.7	13.3	14.4	7.9	9.5	10.2	5.4	6.3
5	8.6	7.2	8.1	19.8	11.2	14.4	12.8	8.0	8.9	12.6	5.4	7.0
6	8.5	7.0	8.1	19.8	11.7	14.2	---	---	---	7.8	5.0	6.2
7	9.5	7.1	8.5	16.6	12.3	14.0	10.2	7.7	8.6	15.1	5.7	9.1
8	9.2	7.1	8.2	---	---	---	12.6	7.9	9.2	10.1	6.4	8.0
9	9.4	6.9	8.1	19.6	13.4	15.9	12.3	7.9	9.1	10.5	5.1	6.7
10	10.3	6.7	8.1	16.6	9.7	13.5	15.8	7.9	10.6	12.3	5.1	7.1
11	8.6	7.2	8.1	14.0	9.0	11.1	12.1	7.6	8.7	---	---	---
12	9.3	7.3	8.2	11.0	8.3	9.7	12.6	7.6	9.0	---	---	---
13	---	---	---	12.9	9.0	10.0	12.4	7.7	8.7	14.4	6.1	8.5
14	---	---	---	---	---	---	11.5	7.5	8.4	13.6	6.1	8.4
15	15.1	7.0	9.8	14.2	8.6	9.9	11.9	7.4	8.5	10.3	6.3	7.7
16	---	---	---	---	---	---	13.2	7.2	8.8	12.4	6.2	8.1
17	14.6	6.4	9.2	14.1	8.8	10.0	12.2	7.7	8.9	11.0	6.6	7.8
18	14.8	7.0	9.1	11.9	8.9	9.6	14.4	7.2	9.0	---	---	---
19	---	---	---	14.0	8.7	9.9	11.4	7.0	7.9	9.0	6.4	7.5
20	---	---	---	---	---	---	9.9	6.3	7.7	15.5	6.4	10.4
21	14.5	7.1	9.1	---	---	---	10.7	6.2	7.5	8.0	6.4	7.1
22	14.3	7.2	9.4	12.5	8.0	9.1	9.3	6.2	7.3	8.0	6.2	7.0
23	15.6	7.7	9.9	10.8	8.0	8.7	10.6	6.6	7.6	15.3	6.6	9.7
24	14.7	7.7	9.6	---	---	---	12.2	7.3	8.4	11.9	6.4	7.7
25	---	---	---	15.5	8.3	9.9	15.0	6.5	9.1	13.6	4.4	8.4
26	---	---	---	16.3	8.1	10.9	9.6	6.7	7.5	7.9	6.4	7.2
27	14.7	8.6	10.2	13.2	8.1	9.3	12.2	6.2	8.0	7.8	5.3	6.6
28	15.2	9.4	10.8	14.4	8.3	9.7	12.8	5.8	7.6	15.5	5.8	10.0
29	13.8	9.9	10.9	13.7	8.4	9.5	12.6	6.4	7.9	15.5	5.7	8.4
30	18.5	10.5	12.6	13.1	8.1	9.2	11.3	6.6	8.3	8.6	6.2	7.2
31	---	---	---	12.9	8.3	9.0	13.7	6.4	8.8	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.3	15.4	15.7	14.7	10.7	12.5	---	---	---
2	16.2	15.4	15.8	16.4	15.4	15.9	14.7	11.2	12.9	---	---	---
3	16.8	15.7	16.1	16.5	15.0	16.0	14.2	11.5	13.0	---	---	---
4	16.2	15.5	15.8	16.5	13.6	15.4	12.9	10.0	11.7	---	---	---
5	16.2	15.4	15.8	15.8	14.0	15.1	13.7	10.7	12.2	---	---	---
6	16.8	15.0	16.0	15.4	14.3	15.1	12.8	10.3	11.9	---	---	---
7	20.1	15.1	17.1	17.2	14.9	15.6	13.1	10.0	12.2	---	---	---
8	20.2	14.9	16.6	16.5	13.2	15.2	12.4	10.0	11.9	---	---	---
9	16.5	14.7	15.7	16.8	13.1	15.1	12.2	7.5	10.9	---	---	---
10	18.8	15.5	16.3	16.0	13.2	15.2	11.6	8.3	10.2	---	---	---
11	16.2	15.5	15.8	15.2	11.2	13.4	12.0	8.5	11.0	---	---	---
12	17.1	15.4	16.0	16.3	12.4	14.2	12.0	10.3	11.3	---	---	---
13	17.9	15.3	16.1	15.5	13.2	14.4	12.6	10.8	11.7	---	---	---
14	18.7	14.9	16.5	16.2	12.3	14.5	14.1	10.7	12.3	---	---	---
15	19.7	14.2	16.5	14.8	13.4	14.4	12.7	11.2	11.8	---	---	---
16	19.4	14.9	16.2	16.2	13.2	14.6	12.7	10.4	11.5	---	---	---
17	17.3	14.8	15.8	16.4	12.5	14.5	11.0	9.4	10.3	---	---	---
18	19.1	14.8	16.1	16.2	12.5	14.2	11.1	10.0	10.8	---	---	---
19	18.3	15.0	16.0	16.3	12.3	13.9	10.9	9.3	10.4	---	---	---
20	17.4	14.5	16.3	16.2	12.6	14.0	10.8	9.4	10.3	---	---	---
21	18.2	14.9	16.4	15.0	11.7	13.1	10.1	8.5	8.9	---	---	---
22	19.4	14.1	16.3	14.9	11.5	13.4	10.5	8.0	9.4	---	---	---
23	16.0	15.3	15.7	14.9	12.0	13.5	---	---	---	---	---	---
24	17.3	14.2	15.9	14.4	11.1	12.4	9.9	6.8	8.1	---	---	---
25	16.9	13.7	15.6	15.1	11.2	12.9	8.2	7.2	7.7	---	---	---
26	17.7	15.0	16.0	15.6	11.8	13.5	10.5	7.3	8.7	---	---	---
27	18.0	15.1	16.2	13.6	13.1	13.4	8.8	7.7	8.2	---	---	---
28	17.7	14.1	15.6	13.6	11.8	13.3	10.1	7.1	8.5	---	---	---
29	17.7	14.1	15.7	13.9	10.9	12.2	10.3	5.8	8.2	---	---	---
30	16.1	15.1	15.6	14.2	10.6	12.6	8.2	7.0	7.7	---	---	---
31	16.1	15.3	15.7	---	---	---	9.0	8.1	8.6	---	---	---

07054527 WHITE RIVER BELOW BULL SHOALS DAM NEAR FAIRVIEW--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	8.0	8.4	13.3	9.0	10.2	11.6	9.7	10.4	17.7	10.9	13.3
2	9.6	8.2	8.7	20.2	9.6	12.6	16.7	9.8	12.2	18.8	11.1	13.9
3	10.8	8.2	8.9	20.5	10.6	13.7	20.2	10.4	13.8	13.3	10.8	11.7
4	9.7	8.2	8.6	14.6	9.9	12.6	18.1	9.8	12.5	14.9	11.1	11.9
5	10.4	8.2	8.7	18.7	10.2	13.3	16.7	9.7	11.6	17.1	11.1	12.4
6	10.4	8.2	8.7	19.6	9.3	12.4	14.0	9.7	10.9	13.4	11.1	11.7
7	10.4	8.4	8.9	14.3	9.5	11.0	10.7	9.9	10.2	20.3	11.4	14.1
8	10.2	8.5	9.0	21.6	10.5	14.5	16.5	10.3	11.8	15.8	12.2	13.9
9	10.7	8.3	9.1	15.1	9.4	12.1	15.6	10.2	12.0	16.5	11.2	13.2
10	11.2	8.3	9.1	12.0	9.0	10.0	20.1	10.7	14.2	16.9	11.2	12.5
11	10.4	8.4	8.9	13.9	10.1	11.8	14.6	10.5	12.5	---	---	---
12	10.9	8.5	9.0	12.7	9.3	10.8	15.8	10.0	11.7	---	---	---
13	---	---	---	13.7	9.3	10.8	15.3	9.8	11.3	19.2	11.8	13.8
14	14.7	8.5	9.9	15.2	10.1	12.9	14.2	10.0	10.9	17.7	12.0	13.8
15	14.2	9.2	10.9	15.0	9.1	10.9	14.2	10.2	11.1	15.0	12.5	13.8
16	16.8	9.6	11.5	17.6	9.2	11.5	16.2	10.2	11.5	16.2	12.4	14.2
17	14.0	8.9	11.0	15.6	9.3	10.9	15.2	10.4	11.7	16.2	11.6	13.2
18	15.0	8.8	10.4	11.7	9.3	9.9	17.2	10.3	12.5	18.3	12.0	13.7
19	15.7	8.5	11.0	15.1	9.3	10.6	14.1	10.2	11.2	14.0	11.6	12.3
20	14.0	8.6	10.1	18.2	9.9	12.2	13.0	10.4	11.1	19.6	12.2	15.5
21	14.6	8.6	10.4	17.8	10.1	12.3	13.6	10.5	11.1	13.9	12.1	12.8
22	14.5	8.9	10.3	15.0	9.5	11.3	14.0	10.6	11.3	13.6	11.7	12.6
23	16.3	9.3	11.0	13.4	9.3	10.7	13.9	10.6	11.5	20.4	12.3	15.1
24	15.8	9.6	10.9	12.7	9.3	10.2	15.5	11.0	12.3	15.0	11.9	13.2
25	18.5	9.2	12.1	18.9	9.6	11.9	20.3	10.5	13.5	16.3	12.5	14.0
26	14.6	8.7	10.4	19.7	10.6	13.4	14.1	10.7	11.9	14.7	12.1	13.2
27	14.0	8.8	10.0	16.0	9.4	11.8	16.4	10.9	12.7	13.7	11.6	12.4
28	14.1	8.9	10.1	16.1	9.7	11.2	18.0	10.8	12.5	17.7	12.0	14.4
29	13.0	8.8	9.9	15.6	9.4	11.1	17.3	10.7	12.4	18.2	11.6	13.4
30	18.1	9.1	11.2	15.0	9.5	10.8	16.0	11.2	12.7	12.5	11.6	12.0
31	---	---	---	14.7	9.7	10.8	18.8	11.1	13.8	---	---	---

07055646 BUFFALO RIVER NEAR BOXLEY

LOCATION.--Lat 35°56'43", long 91°59'42", in SW1/4SE1/4 sec.22, T.15 N., R.23 W., Newton County, Hydrologic Unit 11010005, on right bank 1.8 mi upstream from Highway 43 bridge, 0.8 mi upstream from Smith Creek, 2.6 mi south of Boxley, and at mi 108.9.

PERIOD OF RECORD.--April 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 02...	1030	80513	80020	6.7	2.57	145	7.6	739	14.5	16.5	8.2
FEB 23...	0830	80513	80020	--	--	78	7.9	728	9.0	17.5	11.1
MAY 09...	0815	80513	80020	46	2.98	58	7.4	739	16.0	22.0	9.1
JUN 21...	1120	80513	80020	9.5	2.52	86	7.5	737	21.0	25.0	7.8
AUG 22...	1200	80513	80020	1.0	2.00	160	7.6	742	24.0	24.0	5.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
NOV 02...	1030	84	260	190	1100	66	1	23	2.0	1.4	4
FEB 23...	0830	101	<1	K2	K4	35	6	12	1.2	1.1	6
MAY 09...	0815	94	K13	K12	K84	24	3	8.2	0.92	0.90	7
JUN 21...	1120	91	K8	K12	41	38	0	13	1.3	1.1	6
AUG 22...	1200	63	K19	20	110	76	0	27	2.2	1.5	4

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NOV 02...	1030	0.1	1.1	64	0	79	65	4.7	1.1	<0.10	5.5
FEB 23...	0830	0.1	0.60	30	0	35	29	2.9	1.1	<0.10	4.5
MAY 09...	0815	0.1	0.70	23	0	26	21	2.9	1.1	<0.10	5.9
JUN 21...	1120	0.1	0.80	39	0	48	40	2.3	0.90	<0.10	6.4
AUG 22...	1200	0.1	1.1	79	0	97	80	3.0	0.90	<0.10	6.2

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 02...	1030	79	78	1.43	0.11	<0.010	0.070	0.070	<0.015	<0.20	<0.20
FEB 23...	0830	53	41	--	0.07	0.010	--	<0.050	<0.015	<0.20	<0.20
MAY 09...	0815	29	33	3.60	0.04	<0.010	--	<0.050	0.020	<0.20	<0.20
JUN 21...	1120	54	49	1.39	0.07	<0.010	--	<0.050	0.020	<0.20	<0.20
AUG 22...	1200	94	90	0.25	0.13	<0.010	--	<0.050	<0.015	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 02...	1030	0.010	0.020	0.040	1.2	0.20	29	12	26	0.47	85
FEB 23...	0830	<0.010	<0.010	<0.010	0.40	0.20	9.0	3.0	5	--	92
MAY 09...	0815	0.020	<0.010	0.010	0.60	0.10	11	3.0	17	2.1	84
JUN 21...	1120	<0.010	<0.010	<0.010	0.50	0.10	7.0	13	7	0.18	59
AUG 22...	1200	<0.010	<0.010	<0.010	0.60	0.20	13	62	5	0.01	96

07056000 BUFFALO RIVER NEAR ST. JOE

LOCATION.--Lat 35°59'00", long 92°44'47", in SW1/4SW1/4 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, 1.2 mi downstream from Mill Creek, 4.0 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft above sea level. Prior to Mar. 1, 1940, nonrecording gage at present site and datum. Prior to Nov. 6, 1990, at site 300 ft downstream at same datum.

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	166	88	253	737	189	1960	1780	187	66	47	26
2	111	146	86	290	639	187	1600	1500	493	62	63	27
3	206	129	84	370	551	180	1390	1290	718	59	53	27
4	192	122	81	405	466	175	1260	1140	496	63	54	25
5	127	119	79	421	421	174	1250	1010	395	63	55	26
6	109	126	77	457	396	199	1120	925	303	59	58	26
7	104	146	75	468	376	209	1010	972	276	58	57	25
8	92	152	78	432	370	210	934	952	603	57	57	24
9	85	207	74	400	364	218	853	820	559	59	56	23
10	79	226	73	395	351	208	763	708	439	59	53	22
11	74	235	73	490	327	196	687	647	356	64	50	21
12	70	363	73	933	300	187	640	697	295	62	47	20
13	65	389	73	1240	278	182	1710	737	247	59	44	19
14	62	327	73	1200	260	180	2690	650	203	59	41	19
15	59	267	74	1140	245	186	1990	593	234	59	39	39
16	56	223	74	982	231	193	1580	552	247	59	37	158
17	52	196	131	856	220	199	1310	499	188	59	36	60
18	50	176	1730	923	209	226	1140	441	155	60	36	61
19	48	157	4040	2440	203	856	1030	390	171	61	32	71
20	49	142	3340	1830	198	1410	1020	347	141	59	31	73
21	46	129	1760	1380	195	1120	1130	306	122	58	30	93
22	45	120	1170	1110	194	954	4730	274	116	56	32	71
23	44	120	884	1640	191	843	21900	249	112	54	31	66
24	43	113	691	5690	185	792	8660	228	100	53	28	82
25	42	110	555	3300	180	2660	4800	208	91	52	30	73
26	41	105	465	2320	175	2900	3380	194	87	52	32	10300
27	82	102	401	1750	175	2010	2550	192	84	54	33	39300
28	535	97	351	1350	179	1890	2100	190	80	53	30	5400
29	269	93	310	1140	184	3250	2630	182	79	52	29	2760
30	239	91	281	996	---	2600	2220	178	72	52	28	1810
31	194	---	262	859	---	2180	---	179	---	50	27	---
TOTAL	3331	5094	17606	37460	8800	26963	80037	19030	7649	1792	1276	60747
MEAN	107	170	568	1208	303	870	2668	614	255	57.8	41.2	2025
MAX	535	389	4040	5690	737	3250	21900	1780	718	66	63	39300
MIN	41	91	73	253	175	174	640	178	72	50	27	19
AC-FT	6610	10100	34920	74300	17450	53480	158800	37750	15170	3550	2530	120500
CFSM	.13	.20	.69	1.46	.37	1.05	3.22	.74	.31	.07	.05	2.44
IN.	.15	.23	.79	1.68	.39	1.21	3.59	.85	.34	.08	.06	2.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	322	956	1220	1172	1551	1964	2193	1919	790	229	172	182
MAX	3357	5106	8516	6934	5455	8897	9584	6975	5468	1134	1569	2025
(WY)	1942	1995	1983	1949	1989	1945	1945	1990	1945	1950	1950	1996
MIN	14.2	19.7	30.4	32.4	114	236	237	352	67.6	29.6	15.0	10.2
(WY)	1964	1964	1990	1964	1963	1972	1963	1977	1977	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	430974		269785			
ANNUAL MEAN	1181		737		1052	
HIGHEST ANNUAL MEAN					2619	1945
LOWEST ANNUAL MEAN					316	1963
HIGHEST DAILY MEAN	27600	Jan 14	39300	Sep 27	124000	Dec 3 1982
LOWEST DAILY MEAN	31	Sep 3	19	Sep 13	7.0	Sep 17 1954
ANNUAL SEVEN-DAY MINIMUM	32	Aug 31	21	Sep 8	7.4	Sep 11 1954
INSTANTANEOUS PEAK FLOW			59800	Sep 27	[a]158000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			32.99	Sep 27	53.75	Dec 3 1982
INSTANTANEOUS LOW FLOW			18	Sep 15	6.6	Sep 16,17,20 1954
ANNUAL RUNOFF (AC-FT)	854800		535100		762300	
ANNUAL RUNOFF (CFSM)	1.42		.89		1.27	
ANNUAL RUNOFF (INCHES)	19.34		12.11		17.25	
10 PERCENT EXCEEDS	2700		1660		2330	
50 PERCENT EXCEEDS	401		189		314	
90 PERCENT EXCEEDS	48		44		45	

[a]From rating curve extended above 91,000 ft^3/s

07056000 BUFFALO RIVER NEAR ST. JOE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 01...	1445	80513	80020	166	4.55	209	8.2	748	17.0	20.5	10.1
FEB 22...	1415	80513	80020	195	4.68	196	8.3	746	12.5	19.0	12.1
MAY 08...	1430	80513	80020	947	5.90	184	8.2	754	20.5	26.0	10.2
JUN 20...	1340	80513	80020	140	4.64	188	8.1	751	27.0	26.5	8.2
AUG 21...	1520	80513	80020	30	3.56	221	8.3	756	28.0	27.5	10.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
NOV 01...	1445	106	39	37	82	100	3	36	2.6	1.5	3
FEB 22...	1415	116	K1	<1	K1	95	12	34	2.5	1.5	3
MAY 08...	1430	115	K4	K5	K5	89	6	32	2.2	1.4	3
JUN 20...	1340	105	K9	K5	K15	92	2	33	2.4	1.5	3
AUG 21...	1520	136	230	210	87	110	1	38	3.2	1.9	4

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NOV 01...	1445	0.1	1.2	99	0	119	97	4.3	2.2	<0.10	6.0
FEB 22...	1415	0.1	0.70	84	0	102	83	5.1	2.3	<0.10	2.4
MAY 08...	1430	0.1	0.80	83	0	101	83	5.2	1.8	<0.10	4.8
JUN 20...	1340	0.1	0.80	90	0	110	90	3.7	1.6	<0.10	7.4
AUG 21...	1520	0.1	1.0	107	0	131	107	4.1	2.5	<0.10	8.8

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 01...	1445	120	113	53.8	0.16	<0.010	0.220	0.220	<0.015	<0.20	<0.20
FEB 22...	1415	112	99	59.0	0.15	<0.010	--	<0.050	<0.015	<0.20	<0.20
MAY 08...	1430	106	98	271	0.14	<0.010	0.080	0.080	0.020	<0.20	<0.20
JUN 20...	1340	98	105	37.0	0.13	<0.010	0.070	0.070	0.020	<0.20	<0.20
AUG 21...	1520	133	124	10.8	0.18	<0.010	--	<0.050	<0.015	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	1445	<0.010	<0.010	<0.010	1.7	0.20	38	9.0	15	6.7	79
FEB 22...	1415	<0.010	<0.010	<0.010	0.80	0.20	8.0	3.0	22	12	97
MAY 08...	1430	<0.010	<0.010	0.010	0.90	0.10	9.0	4.0	22	56	89
JUN 20...	1340	<0.010	<0.010	<0.010	1.2	0.10	11	7.0	4	1.5	57
AUG 21...	1520	0.020	0.010	<0.010	1.3	0.20	14	17	11	0.89	100

07059500 NORFORK LAKE NEAR NORFORK

LOCATION.--Lat 36°14'57", long 92°14'16", in SE1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi northeast of Norfork.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
12...	1019	80513	0.0	177	307	8.2	762	21.5	8.1	92	4.50
12...	1020	80513	10.0	177	307	8.2	762	21.5	8.0	91	--
12...	1021	80513	20.0	177	307	8.2	762	21.5	8.0	91	--
12...	1022	80513	30.0	177	307	8.2	762	21.5	7.7	87	--
12...	1023	80513	40.0	177	308	8.1	762	21.5	6.8	76	--
12...	1024	80513	50.0	177	315	7.8	762	21.0	3.0	33	--
12...	1025	80513	55.0	177	323	7.4	762	20.0	0.2	2	--
12...	1026	80513	60.0	177	319	7.4	762	19.5	0.1	1	--
12...	1027	80513	67.0	177	316	7.4	762	18.5	0.1	1	--
12...	1028	80513	70.0	177	317	7.4	762	18.0	0.1	1	--
12...	1029	80513	80.0	177	312	7.3	762	17.0	0.1	1	--
12...	1030	80513	90.0	177	310	7.3	762	16.0	0.1	1	--
12...	1031	80513	100	177	310	7.3	762	14.5	0.1	1	--
12...	1032	80513	110	177	312	7.3	762	13.5	0.1	1	--
12...	1033	80513	120	177	324	7.3	762	12.0	0.1	1	--
12...	1034	80513	130	177	337	7.3	762	11.0	0.1	1	--
12...	1035	80513	140	177	336	7.3	762	10.0	0.0	0	--
12...	1036	80513	150	177	333	7.3	762	10.0	0.1	1	--
12...	1037	80513	160	177	333	7.3	762	9.5	0.1	1	--
12...	1038	80513	170	177	335	7.3	762	9.5	0.1	1	--
12...	1039	80513	177	177	338	7.3	762	9.5	0.0	0	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
26...	0803	80513	0.0	156	314	7.8	746	19.0	7.9	87	4.40
26...	0804	80513	10.0	156	314	8.0	746	19.0	4.8	53	--
26...	0805	80513	20.0	156	315	8.0	746	19.0	3.0	33	--
26...	0806	80513	30.0	156	315	8.0	746	19.0	2.3	25	--
26...	0807	80513	40.0	156	315	8.0	746	19.0	2.0	22	--
26...	0808	80513	50.0	156	315	8.0	746	19.0	2.0	22	--
26...	0809	80513	60.0	156	314	8.0	746	19.0	2.2	24	--
26...	0810	80513	70.0	156	315	7.9	746	19.0	2.2	25	--
26...	0812	80513	80.0	156	323	7.4	746	17.5	0.6	7	--
26...	0813	80513	85.0	156	317	7.4	746	17.0	0.5	5	--
26...	0814	80513	90.0	156	316	7.4	746	16.0	0.4	4	--
26...	0815	80513	96.0	156	316	7.4	746	15.5	0.4	4	--
26...	0816	80513	100	156	313	7.4	746	15.0	0.3	3	--
26...	0817	80513	107	156	316	7.4	746	14.0	0.3	3	--
26...	0818	80513	110	156	322	7.3	746	13.5	0.3	3	--
26...	0819	80513	117	156	323	7.3	746	12.5	0.3	3	--
26...	0820	80513	120	156	330	7.3	746	12.0	0.3	3	--
26...	0821	80513	130	156	343	7.3	746	11.0	0.3	2	--
26...	0822	80513	140	156	343	7.3	746	10.5	0.2	2	--
26...	0823	80513	150	156	341	7.3	746	10.0	0.2	2	--
26...	0824	80513	156	156	341	7.3	746	10.0	0.3	2	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
07...	1528	80513	0.0	175	307	7.8	757	17.0	7.6	79	3.70
07...	1529	80513	10.0	175	307	7.8	757	17.0	7.5	78	--
07...	1530	80513	20.0	175	306	7.8	757	17.0	7.4	77	--
07...	1531	80513	30.0	175	307	7.8	757	17.0	7.3	76	--
07...	1532	80513	40.0	175	307	7.8	757	17.0	7.3	76	--
07...	1533	80513	50.0	175	307	7.8	757	17.0	7.3	76	--
07...	1534	80513	60.0	175	307	7.8	757	17.0	7.2	75	--
07...	1535	80513	70.0	175	307	7.8	757	17.0	7.2	75	--
07...	1536	80513	80.0	175	307	7.8	757	17.0	7.1	74	--
07...	1537	80513	90.0	175	307	7.8	757	17.0	7.0	73	--
07...	1538	80513	100	175	313	7.3	757	16.0	0.9	9	--
07...	1539	80513	110	175	315	7.2	757	14.5	0.2	2	--
07...	1540	80513	120	175	328	7.2	757	13.0	0.1	1	--
07...	1541	80513	130	156	336	7.2	746	12.0	0.1	1	--
07...	1542	80513	140	156	339	7.2	746	10.5	0.1	1	--
07...	1543	80513	150	156	337	7.2	746	10.0	0.1	1	--
07...	1544	80513	160	156	336	7.2	746	10.0	0.1	1	--
07...	1545	80513	170	156	343	7.2	746	9.5	0.1	1	--
07...	1546	80513	175	156	347	7.2	746	9.5	0.1	1	--

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
13...	1400	80513	0.0	154	318	6.9	754	11.5	8.2	77	2.70
13...	1401	80513	10.0	154	320	7.1	754	11.5	7.9	73	--
13...	1402	80513	20.0	154	319	7.3	754	11.5	7.7	72	--
13...	1403	80513	30.0	154	318	7.3	754	11.5	7.7	71	--
13...	1404	80513	40.0	154	320	7.4	754	11.5	7.7	71	--
13...	1405	80513	50.0	154	320	7.4	754	11.5	7.6	71	--
13...	1406	80513	60.0	154	321	7.4	754	11.5	7.7	71	--
13...	1407	80513	70.0	154	320	7.5	754	11.5	7.7	71	--
13...	1408	80513	80.0	154	320	7.5	754	11.5	7.7	71	--
13...	1409	80513	90.0	154	318	7.5	754	11.5	7.8	72	--
13...	1410	80513	100	154	316	7.5	754	11.5	8.0	74	--
13...	1411	80513	110	154	315	7.5	754	11.0	8.0	74	--
13...	1412	80513	120	154	315	7.5	754	11.0	8.0	74	--
13...	1413	80513	130	154	314	7.6	754	11.0	8.4	77	--
13...	1414	80513	140	154	314	7.6	754	11.0	8.0	74	--
13...	1415	80513	150	154	316	7.5	754	11.0	7.4	68	--
13...	1416	80513	154	154	317	7.5	754	11.0	6.9	63	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	0855	80513	0.0	177	299	7.9	760	6.5	11.3	92	3.00
24...	0856	80513	10.0	177	313	7.9	760	6.5	11.1	91	--
24...	0857	80513	20.0	177	312	7.9	760	6.5	11.1	91	--
24...	0858	80513	30.0	177	312	7.9	760	6.5	11.1	91	--
24...	0859	80513	40.0	177	313	7.9	760	6.5	11.1	91	--
24...	0900	80513	50.0	177	313	7.9	760	6.5	11.1	91	--
24...	0901	80513	60.0	177	312	7.9	760	6.5	11.1	91	--
24...	0902	80513	70.0	177	312	7.9	760	6.5	11.1	90	--
24...	0903	80513	80.0	177	312	7.9	760	6.5	11.1	90	--
24...	0904	80513	90.0	177	312	7.9	760	6.5	11.0	90	--
24...	0905	80513	100	177	312	7.9	760	6.5	11.0	90	--
24...	0906	80513	110	177	312	7.9	760	6.5	11.0	90	--
24...	0907	80513	120	177	312	7.9	760	6.5	11.0	90	--
24...	0908	80513	130	177	312	7.9	760	6.5	11.0	90	--
24...	0909	80513	140	177	312	7.9	760	6.5	11.0	90	--
24...	0910	80513	150	177	312	7.9	760	6.5	11.0	90	--
24...	0911	80513	160	177	312	7.9	760	6.5	11.0	90	--
24...	0912	80513	170	177	312	7.9	760	6.5	11.0	90	--
24...	0913	80513	177	177	312	7.9	760	6.5	10.9	89	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
20...	0813	80513	0.0	172	329	8.5	762	7.5	12.1	101	5.40
20...	0814	80513	10.0	172	329	8.4	762	8.0	12.0	101	--
20...	0815	80513	20.0	172	329	8.4	762	8.0	11.9	100	--
20...	0816	80513	30.0	172	330	8.4	762	7.5	11.9	100	--
20...	0817	80513	40.0	172	330	8.4	762	7.5	11.9	99	--
20...	0818	80513	50.0	172	331	8.4	762	7.0	11.9	98	--
20...	0819	80513	60.0	172	330	8.4	762	7.0	11.9	98	--
20...	0820	80513	70.0	172	330	8.3	762	7.0	11.9	98	--
20...	0821	80513	80.0	172	330	8.3	762	7.0	11.9	98	--
20...	0822	80513	90.0	172	330	8.3	762	6.5	11.8	96	--
20...	0823	80513	100	172	329	8.3	762	6.5	11.8	96	--
20...	0824	80513	110	172	330	8.3	762	6.5	11.7	95	--
20...	0825	80513	120	172	330	8.3	762	6.5	11.7	95	--
20...	0826	80513	130	172	330	8.3	762	6.5	11.7	95	--
20...	0827	80513	140	172	330	8.3	762	6.0	11.6	93	--
20...	0828	80513	150	172	330	8.3	762	6.0	11.5	92	--
20...	0829	80513	160	172	330	8.3	762	6.0	11.4	92	--
20...	0830	80513	170	172	330	8.2	762	6.0	11.4	92	--
20...	0831	80513	172	172	330	8.2	762	6.0	11.2	90	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
12...	1642	80513	0.0	160	323	8.4	762	28.0	8.2	106	4.50
12...	1643	80513	2.00	160	320	8.4	762	25.0	8.8	107	--
12...	1644	80513	10.0	160	319	8.4	762	24.0	8.7	104	--
12...	1646	80513	20.0	160	319	8.4	762	24.0	8.5	100	--
12...	1647	80513	25.0	160	320	8.3	762	23.0	8.1	94	--
12...	1648	80513	26.0	160	321	8.2	762	22.0	8.1	93	--
12...	1649	80513	28.0	160	321	8.1	762	20.5	7.6	85	--
12...	1650	80513	30.0	160	320	8.0	762	19.5	7.6	83	--
12...	1651	80513	32.0	160	321	8.0	762	18.0	7.4	78	--
12...	1652	80513	36.0	160	323	8.0	762	17.0	7.6	79	--
12...	1653	80513	40.0	160	323	8.0	762	16.0	7.6	77	--
12...	1654	80513	47.0	160	322	8.0	762	15.0	7.6	75	--
12...	1655	80513	50.0	160	321	8.0	762	14.5	7.4	73	--
12...	1656	80513	60.0	160	320	8.0	762	13.5	7.4	70	--
12...	1657	80513	70.0	160	323	7.9	762	12.0	7.3	68	--
12...	1658	80513	80.0	160	324	7.9	762	11.0	7.4	66	--
12...	1659	80513	90.0	160	319	7.9	762	10.0	7.3	65	--
12...	1700	80513	100	160	320	7.9	762	9.5	7.3	64	--
12...	1701	80513	110	160	319	7.9	762	9.0	7.3	63	--
12...	1702	80513	120	160	321	7.9	762	9.0	7.1	61	--
12...	1703	80513	130	160	324	7.8	762	9.0	6.8	58	--
12...	1704	80513	140	160	325	7.8	762	8.5	6.6	57	--
12...	1705	80513	150	160	324	7.8	762	8.5	6.2	53	--
12...	1706	80513	160	160	325	7.7	762	8.5	6.1	52	--

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
11...	0757	80513	0.0	168	311	8.0	756	28.0	8.5	109	5.50
11...	0758	80513	10.0	168	311	8.0	756	28.0	8.5	110	--
11...	0759	80513	20.0	168	310	8.1	756	28.0	8.5	110	--
11...	0800	80513	26.0	168	315	8.1	756	26.5	9.7	122	--
11...	0801	80513	27.0	168	319	8.0	756	25.0	10.2	125	--
11...	0802	80513	28.0	168	320	8.0	756	24.0	9.7	117	--
11...	0803	80513	30.0	168	321	7.9	756	23.0	8.9	104	--
11...	0804	80513	32.0	168	320	7.7	756	21.5	7.9	91	--
11...	0805	80513	35.0	168	321	7.6	756	20.5	7.3	81	--
11...	0806	80513	37.0	168	323	7.5	756	19.0	6.4	70	--
11...	0807	80513	40.0	168	328	7.5	756	18.0	6.1	65	--
11...	0808	80513	43.0	168	327	7.5	756	16.5	6.2	65	--
11...	0809	80513	50.0	168	331	7.5	756	15.0	6.0	60	--
11...	0810	80513	60.0	168	327	7.5	756	14.0	6.1	59	--
11...	0811	80513	65.0	168	327	7.5	756	13.0	6.1	59	--
11...	0812	80513	70.0	168	330	7.5	756	12.5	6.3	60	--
11...	0813	80513	80.0	168	333	7.5	756	11.5	6.4	59	--
11...	0814	80513	90.0	168	338	7.5	756	10.5	6.3	57	--
11...	0815	80513	100	168	335	7.5	756	10.0	6.4	57	--
11...	0816	80513	110	168	340	7.5	756	9.5	6.4	56	--
11...	0817	80513	120	168	342	7.4	756	9.0	5.9	51	--
11...	0818	80513	130	168	342	7.4	756	9.0	5.9	51	--
11...	0819	80513	140	168	339	7.4	756	9.0	5.7	50	--
11...	0820	80513	150	168	336	7.4	756	8.5	5.4	47	--
11...	0821	80513	160	168	335	7.3	756	8.5	4.8	41	--
11...	0822	80513	168	168	335	7.3	756	8.5	3.8	33	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
21...	1516	80513	0.0	160	296	8.3	755	28.5	8.0	104	4.90
21...	1518	80513	10.0	160	296	8.4	755	28.5	8.1	105	--
21...	1519	80513	20.0	160	295	8.4	755	28.0	8.1	105	--
21...	1520	80513	26.0	160	307	8.2	755	27.0	8.1	103	--
21...	1522	80513	28.0	160	318	8.0	755	26.0	7.8	98	--
21...	1523	80513	30.0	160	318	8.0	755	25.5	7.3	89	--
21...	1524	80513	32.0	160	320	7.8	755	24.5	6.4	77	--
21...	1525	80513	34.0	160	318	7.7	755	23.5	5.1	61	--
21...	1526	80513	36.0	160	320	7.6	755	22.0	4.4	51	--
21...	1527	80513	38.0	160	319	7.6	755	21.5	3.9	44	--
21...	1528	80513	40.0	160	319	7.5	755	21.0	3.3	38	--
21...	1529	80513	42.0	160	318	7.5	755	20.0	3.0	33	--
21...	1530	80513	45.0	168	319	7.4	755	19.0	2.0	21	--
21...	1531	80513	48.0	160	321	7.4	755	18.0	1.6	17	--
21...	1532	80513	50.0	160	320	7.5	755	17.5	1.5	16	--
21...	1533	80513	55.0	160	323	7.5	755	16.0	1.7	18	--
21...	1534	80513	60.0	160	324	7.6	755	15.0	2.6	26	--
21...	1535	80513	65.0	160	325	7.6	755	14.5	3.1	31	--
21...	1536	80513	70.0	160	324	7.6	755	13.5	3.5	34	--
21...	1537	80513	80.0	160	326	7.7	755	12.5	3.8	36	--
21...	1538	80513	90.0	160	331	7.7	755	11.5	3.7	34	--
21...	1539	80513	100	160	334	7.6	755	10.5	3.4	31	--
21...	1540	80513	110	160	335	7.6	755	10.0	3.4	30	--
21...	1541	80513	120	160	337	7.6	755	10.0	2.7	24	--
21...	1542	80513	130	160	336	7.6	755	9.5	2.8	25	--
21...	1543	80513	140	160	337	7.5	755	9.5	1.5	13	--
21...	1544	80513	150	160	336	7.5	755	9.0	0.8	7	--
21...	1546	80513	160	160	339	7.5	755	9.0	0.2	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
19...	0928	80513	0.0	177	292	8.4	755	24.5	8.4	102	3.90
19...	0929	80513	10.0	177	292	8.4	755	24.5	8.4	102	--
19...	0930	80513	20.0	177	292	8.4	755	25.0	8.3	102	--
19...	0931	80513	30.0	177	292	8.3	755	25.0	8.3	102	--
19...	0933	80513	36.0	177	296	8.3	755	24.5	7.9	96	--
19...	0934	80513	37.0	177	307	7.8	755	23.5	3.9	46	--
19...	0935	80513	38.0	177	315	7.5	755	22.5	2.2	25	--
19...	0936	80513	40.0	177	320	7.4	755	21.5	1	11	--
19...	0937	80513	42.0	177	319	7.3	755	20.5	0.2	2	--
19...	0938	80513	45.0	177	322	7.3	755	19.5	0.1	1	--
19...	0939	80513	48.0	177	320	7.3	755	18.5	0.1	1	--
19...	0940	80513	50.0	177	322	7.3	755	18.0	0.2	2	--
19...	0941	80513	55.0	177	323	7.4	755	16.0	0.5	5	--
19...	0942	80513	60.0	177	322	7.4	755	15.0	1.3	1	--
19...	0943	80513	70.0	177	324	7.5	755	14.0	2.4	24	--
19...	0944	80513	80.0	177	324	7.5	755	13.0	2.8	27	--
19...	0945	80513	90.0	177	328	7.5	755	12.0	2.9	27	--
19...	0946	80513	100	177	331	7.5	755	11.0	2.5	23	--
19...	0947	80513	110	177	338	7.5	755	10.5	2.2	20	--
19...	0948	80513	120	177	339	7.4	755	10.0	1.3	12	--
19...	0949	80513	130	177	340	7.4	755	10.0	0.7	6	--
19...	0950	80513	140	177	336	7.4	755	9.5	0.3	3	--
19...	0951	80513	150	177	336	7.4	755	9.5	0.1	1	--
19...	0952	80513	160	177	337	7.4	755	9.0	0.1	1	--
19...	0953	80513	170	177	339	7.4	755	9.0	0.1	1	--
19...	0954	80513	177	177	346	7.4	755	9.0	0.1	1	--

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK

LOCATION.--Lat 36°14'18", long 92°14'18", in SE1/4SW1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Norfork Dam, 3.9 mi northeast of Norfork, and at mile 4.8.

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

PERIOD OF RECORD.--Water years 1946-71, 1974-89, November 1990 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Water years 1967-71, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
12...	1059	80513	80513	327	7.8	760	14.0	9.5	92
26...	0842	80513	80513	326	7.7	750	14.0	8.2	81
NOV									
07...	1603	80513	80513	317	7.6	760	15.5	7.7	77
DEC									
13...	1522	80513	80513	318	7.7	754	11.5	9.5	88
JAN									
24...	0930	80513	80513	309	7.8	765	6.0	12.4	99
MAR									
20...	0849	80513	80513	331	8.3	763	7.0	12.3	100
JUN									
12...	1726	80513	80513	324	8.0	762	11.0	7.1	64
JUL									
11...	0845	80513	80513	355	7.6	757	11.0	10.6	97
AUG									
21...	1612	80513	80513	332	7.8	759	12.0	5.6	53
SEP									
19...	0913	80513	80513	341	7.8	760	12.5	10.5	99

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.0	---	---	5.8	3.8	5.1	7.8	5.2	6.4	8.3	8.0	8.1
2	5.2	4.7	4.8	6.7	4.4	5.6	7.9	5.3	6.2	8.4	8.2	8.3
3	5.3	3.6	4.4	7.0	4.7	6.2	8.6	5.0	6.0	8.7	8.2	8.4
4	3.8	3.2	3.5	6.8	4.7	6.1	7.7	6.1	7.0	9.3	8.2	8.5
5	3.8	3.2	3.6	6.0	3.6	4.9	8.4	6.4	7.2	9.3	8.3	8.7
6	4.1	3.5	3.7	5.9	3.9	5.1	7.7	6.2	7.1	9.0	8.4	8.6
7	4.1	3.9	4.0	8.0	3.9	6.1	8.0	6.1	6.9	9.0	8.4	8.6
8	4.0	3.8	4.0	8.3	6.0	7.3	8.2	6.5	7.4	9.4	8.4	8.7
9	4.1	3.8	4.0	7.7	4.0	6.0	7.3	6.8	7.2	9.6	8.4	8.8
10	4.0	3.9	4.0	4.1	2.8	3.2	7.6	7.2	7.4	9.3	8.3	8.7
11	4.1	3.8	4.0	4.0	3.4	3.8	8.4	7.1	7.7	---	---	---
12	---	---	---	3.9	3.1	3.6	8.4	7.1	7.7	---	---	---
13	4.6	3.8	3.9	4.1	3.3	3.8	8.6	7.1	7.9	---	---	---
14	4.6	3.8	4.2	4.4	3.5	3.8	9.3	7.9	8.5	---	---	---
15	4.5	4.2	4.4	4.4	2.7	3.7	9.1	8.0	8.6	---	---	---
16	4.3	4.1	4.2	4.4	3.6	4.0	9.8	8.4	9.0	---	---	---
17	4.5	4.2	4.4	4.6	3.0	3.6	9.4	8.6	9.1	---	---	---
18	---	---	---	3.5	3.2	3.4	9.8	8.7	9.4	---	---	---
19	4.7	3.6	3.9	4.9	3.3	4.2	10.6	8.8	9.4	---	---	---
20	4.5	3.8	4.2	5.2	3.8	4.6	---	---	---	---	---	---
21	4.4	4.1	4.2	5.3	4.6	4.9	10.2	8.9	9.3	---	---	---
22	4.4	3.2	3.7	6.3	4.7	5.0	10.0	9.0	9.2	---	---	---
23	3.7	3.0	3.3	6.3	5.0	5.5	9.3	9.0	9.2	---	---	---
24	4.2	3.4	3.8	5.8	4.5	5.4	9.6	9.2	9.4	---	---	---
25	5.2	3.9	4.5	4.5	4.1	4.2	9.6	9.1	9.3	---	---	---
26	5.4	4.8	5.0	4.7	4.1	4.4	9.7	9.3	9.5	---	---	---
27	5.6	4.7	5.0	6.4	4.4	5.6	10.0	9.4	9.7	---	---	---
28	6.4	5.6	5.9	6.8	5.9	6.4	10.3	9.8	10.0	---	---	---
29	6.4	6.1	6.3	7.7	5.9	6.7	10.5	9.8	10.0	---	---	---
30	6.3	5.6	5.9	7.7	6.2	7.1	10.9	9.9	10.1	---	---	---
31	6.2	5.3	5.8	---	---	---	10.3	10.0	10.1	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	8.0	8.1	7.5	6.2	6.7	6.6	4.6	5.3	6.1	3.2	4.2
2	8.2	8.0	8.1	7.9	6.1	6.7	7.5	4.7	5.5	7.0	3.3	4.5
3	8.2	7.1	7.9	8.0	6.2	7.0	6.2	4.7	5.4	6.9	3.4	4.4
4	8.5	7.1	7.6	8.0	6.1	6.8	6.8	4.6	5.4	5.6	3.3	4.1
5	8.0	7.1	7.9	7.9	6.1	6.7	7.0	4.5	5.4	5.7	3.1	4.1
6	8.0	7.8	7.9	8.2	6.1	6.8	8.0	4.6	5.4	5.8	3.4	4.2
7	8.4	7.8	7.9	7.5	6.0	6.7	---	---	---	6.1	3.2	4.3
8	8.8	7.4	7.8	9.0	5.8	6.8	7.6	4.9	5.8	6.5	2.9	4.3
9	8.5	7.3	7.7	8.6	5.8	6.9	7.3	4.9	5.7	6.2	2.9	4.3
10	8.6	7.2	7.7	8.0	5.7	6.7	7.4	4.5	5.5	6.9	3.6	4.6
11	8.4	7.3	7.8	---	---	---	6.3	4.5	5.1	---	---	---
12	9.0	7.3	7.8	9.8	5.8	6.8	7.3	4.6	6.0	---	---	---
13	10.1	7.3	8.2	8.5	5.7	6.7	7.2	4.6	5.7	---	---	---
14	8.4	7.2	7.6	7.8	5.6	6.4	6.9	4.3	5.1	5.7	3.1	4.2
15	9.6	7.0	7.8	7.8	5.7	6.5	6.4	4.1	4.8	5.9	3.0	3.9
16	11.1	6.9	8.5	7.2	5.6	5.9	6.7	4.4	5.0	8.8	2.7	4.0
17	9.0	6.9	7.8	6.8	5.4	5.8	7.5	4.2	5.1	5.9	2.8	3.9
18	9.3	6.7	7.8	7.8	5.5	6.2	7.1	4.2	4.9	5.4	2.6	3.6
19	8.5	6.8	7.4	9.6	5.5	6.2	7.0	4.1	4.9	6.2	2.6	4.0
20	8.7	6.7	7.3	10.0	5.5	6.8	6.9	4.1	4.9	5.9	2.7	4.1
21	9.4	6.8	7.5	8.2	5.3	6.1	5.6	4.1	4.7	6.3	2.8	4.0
22	10.2	6.8	8.5	8.7	5.4	6.1	6.5	4.0	4.9	6.1	2.6	4.3
23	10.5	7.1	9.1	6.8	5.1	5.8	5.9	4.0	4.8	6.1	2.4	3.6
24	8.9	6.6	7.5	7.7	4.9	5.4	6.1	3.9	4.8	6.6	2.3	3.8
25	9.4	7.2	8.0	6.8	4.9	5.6	6.5	3.9	4.6	6.2	2.3	3.6
26	8.8	6.5	7.5	6.8	4.9	5.5	6.2	3.8	4.5	6.4	2.3	3.3
27	9.5	6.4	7.5	6.6	4.8	5.5	7.0	3.8	4.5	6.3	2.6	3.9
28	9.1	6.6	7.6	7.3	5.0	5.5	6.6	3.4	4.7	6.1	2.9	4.1
29	9.0	6.4	7.1	7.7	4.7	5.4	6.5	3.7	4.7	6.8	2.4	3.9
30	8.9	6.3	7.1	8.1	4.9	5.4	7.1	3.4	4.6	7.4	2.2	3.9
31	---	---	---	7.1	4.7	5.4	7.3	3.6	4.6	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.0	---	---	15.4	15.2	15.3	13.1	12.6	12.8	8.9	8.8	8.9
2	15.9	15.2	15.4	15.9	15.3	15.6	13.0	12.7	12.8	8.8	8.6	8.7
3	15.9	15.3	15.6	15.9	15.4	15.7	13.0	12.7	12.8	8.6	8.4	8.5
4	15.6	14.7	15.2	15.4	15.1	15.3	12.8	12.6	12.7	8.6	8.3	8.4
5	14.9	14.7	14.8	15.1	14.8	15.0	12.7	12.5	12.6	8.3	8.1	8.2
6	15.0	14.7	14.9	15.1	14.8	15.0	12.7	12.4	12.5	8.2	7.8	8.0
7	15.1	14.6	14.8	15.6	15.0	15.3	12.4	12.2	12.3	7.9	7.5	7.7
8	14.6	14.3	14.5	15.6	15.0	15.3	12.2	11.9	12.1	7.8	7.4	7.6
9	14.7	14.3	14.5	15.1	14.5	14.8	11.9	11.4	11.7	7.8	7.2	7.4
10	14.9	14.7	14.8	15.3	14.4	14.7	11.6	11.2	11.4	7.7	7.3	7.4
11	14.8	14.7	14.8	15.4	14.9	15.2	11.2	11.0	11.2	---	---	---
12	14.7	14.4	14.6	15.0	14.5	14.8	11.2	11.1	11.1	---	---	---
13	14.8	14.3	14.4	15.0	14.5	14.8	11.1	11.0	11.0	---	---	---
14	15.1	14.2	14.7	14.9	14.5	14.6	11.0	10.9	10.9	---	---	---
15	15.1	14.3	14.7	14.6	13.8	14.4	11.0	10.7	10.9	---	---	---
16	14.6	14.3	14.4	14.6	14.2	14.4	10.8	10.6	10.7	---	---	---
17	14.7	14.5	14.6	14.5	13.7	14.1	10.7	10.6	10.7	---	---	---
18	14.9	14.7	14.8	14.4	13.6	13.9	10.7	10.5	10.6	---	---	---
19	15.3	14.4	14.8	14.3	13.5	13.9	10.8	10.5	10.6	---	---	---
20	15.5	14.5	15.1	14.2	13.5	14.0	10.6	10.2	10.5	---	---	---
21	15.5	14.9	15.2	14.1	13.9	14.0	10.3	10.0	10.2	---	---	---
22	14.9	14.5	14.7	14.0	13.7	13.8	10.1	9.9	10.0	---	---	---
23	15.1	14.2	14.7	14.0	13.7	13.9	9.9	9.8	9.9	---	---	---
24	15.6	14.8	15.3	13.7	13.1	13.6	10.0	9.5	9.7	---	---	---
25	15.5	15.2	15.3	13.5	12.9	13.1	9.6	9.5	9.5	---	---	---
26	15.2	14.9	15.1	13.3	12.8	12.9	9.7	9.3	9.5	---	---	---
27	15.3	14.8	15.1	13.4	12.8	13.1	9.4	9.2	9.3	---	---	---
28	15.6	15.3	15.5	13.4	13.1	13.3	9.5	9.0	9.2	---	---	---
29	15.7	15.2	15.3	13.2	12.9	13.0	9.3	9.0	9.1	---	---	---
30	15.2	15.0	15.1	13.0	12.8	12.9	9.0	8.9	8.9	---	---	---
31	15.3	15.1	15.2	---	---	---	9.0	8.9	8.9	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.1	8.8	9.0	10.1	9.0	9.6	10.5	9.3	9.9	11.5	9.9	10.4
2	9.4	9.0	9.1	10.5	9.1	9.7	10.9	10.2	10.7	11.4	10.0	10.4
3	9.4	9.0	9.2	10.2	9.2	9.8	10.9	9.7	10.1	11.1	10.0	10.3
4	9.3	9.1	9.2	10.0	9.1	9.3	10.9	9.5	10.1	11.4	10.0	10.5
5	9.3	9.1	9.2	10.3	9.1	9.6	11.1	9.6	10.3	11.3	10.0	10.5
6	9.4	9.0	9.2	10.4	9.1	9.7	11.0	9.8	10.4	11.3	10.0	10.5
7	9.8	9.1	9.5	10.5	9.2	9.9	11.2	9.7	10.4	11.5	10.1	10.6
8	9.9	8.7	9.5	10.7	9.2	9.8	11.0	9.8	10.3	11.3	10.0	10.4
9	9.7	8.7	9.3	10.1	9.1	9.5	11.0	9.9	10.4	11.5	10.0	10.6
10	9.5	8.6	9.2	10.1	9.0	9.5	11.1	9.8	10.2	11.3	10.1	10.6
11	9.7	8.7	9.3	10.2	9.2	9.6	11.1	9.9	10.5	---	---	---
12	9.8	8.8	9.4	10.4	9.2	9.6	11.1	9.9	10.6	---	---	---
13	9.9	8.8	9.4	10.6	9.3	9.9	11.6	9.9	10.5	11.5	10.0	10.6
14	9.9	8.8	9.4	10.3	9.2	9.6	11.2	9.8	10.4	11.3	10.0	10.7
15	9.9	8.7	9.2	10.5	9.2	9.7	11.2	9.9	10.6	11.5	10.2	10.7
16	9.9	8.7	9.1	10.3	9.2	9.8	11.2	9.9	10.5	11.6	10.3	10.6
17	9.8	8.8	9.2	10.6	9.2	9.9	11.3	10.0	10.4	11.5	10.1	10.7
18	9.9	8.7	9.2	10.7	9.3	9.9	11.3	10.1	10.4	11.4	10.0	10.4
19	9.8	8.9	9.3	10.9	9.4	9.9	11.7	10.0	10.7	11.5	10.1	10.5
20	9.8	8.8	9.3	10.5	9.3	9.9	11.4	10.0	10.6	11.6	10.2	10.7
21	9.9	8.8	9.4	10.5	9.3	9.7	11.3	10.0	10.7	11.7	10.4	10.8
22	10.2	9.1	9.6	10.7	9.3	9.9	11.2	9.9	10.4	11.5	10.2	10.9
23	10.1	9.0	9.5	10.5	9.4	9.8	11.2	9.8	10.3	11.5	10.0	10.6
24	10.3	9.0	9.6	10.5	9.3	9.7	11.1	9.8	10.3	11.7	10.3	10.6
25	10.0	9.1	9.7	10.9	9.4	10.0	11.2	9.9	10.4	11.5	10.2	10.6
26	9.9	9.0	9.3	10.8	9.4	9.9	11.3	9.9	10.4	11.4	10.2	10.6
27	10.4	9.0	9.5	10.4	9.4	9.7	11.2	9.9	10.5	11.8	10.3	11.1
28	10.4	9.0	9.7	10.6	9.4	9.8	11.2	9.8	10.4	11.8	10.3	11.1
29	10.0	9.0	9.4	11.0	9.4	9.9	11.2	9.9	10.4	11.4	10.0	10.9
30	10.1	8.9	9.5	10.8	9.5	10.0	11.2	9.9	10.2	11.7	10.2	11.0
31	---	---	---	10.7	9.4	9.9	11.1	10.0	10.3	---	---	---

07060500 WHITE RIVER AT CALICO ROCK

LOCATION.--Lat 36°06'58", long 92°08'35", in SE1/4NE1/4 sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

DRAINAGE AREA.--9,978 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft above sea level. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft higher.

REMARKS.--Water-discharge records poor due to lagging intake problems throughout the year. Satellite telemeter at station. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6950	4970	2380	1340	16300	10400	9160	7980	15000	5810	10200	2060
2	2850	5740	1090	1580	10500	4840	8200	7530	14400	9320	9720	4190
3	7240	8460	622	2490	7700	2610	7050	8580	15600	5510	4810	2990
4	8420	9750	2050	2450	7340	3560	5780	5710	15100	3580	2310	9980
5	6000	5870	3280	2920	4040	8150	4660	4960	15600	1990	4450	13200
6	7880	5380	4650	2700	7480	17100	3490	5460	16400	3050	8490	10700
7	9440	4850	5450	2650	5530	17500	3590	6830	15900	4020	11600	12100
8	2560	3960	7120	3340	3050	21[illegible]00	3120	5760	11500	4550	13100	3200
9	1900	6590	3390	3950	4120	10100	4220	8730	11900	3090	5840	2300
10	6470	4560	2630	2700	6080	3970	2900	6940	11900	2230	5160	8460
11	3960	3130	1690	2280	2540	2020	3820	6700	12800	5050	2290	8890
12	7600	2990	4160	2470	2810	3980	3330	5110	13700	2910	2450	8110
13	5930	3440	3560	2850	7780	2900	3210	3220	13200	5960	5370	2650
14	4630	5390	4070	2650	5450	2330	3930	5310	11900	5420	8490	2630
15	3260	7710	3620	2620	2590	2450	5590	6960	8600	2920	12100	2210
16	2290	9130	2760	2500	11800	2460	5370	6800	3420	7080	10500	2880
17	3440	4820	4120	2350	11200	1910	4060	7130	3050	6640	8770	2810
18	3270	2770	6020	2710	3730	2590	3840	6620	4660	9070	4950	3770
19	2820	1560	9010	8410	3470	6270	3220	6570	8550	11400	5890	2510
20	3810	2250	9560	12200	3980	8560	3510	7070	6910	8590	12300	3810
21	5300	3890	7580	4800	3920	6660	3280	7400	7830	3410	13600	2340
22	3450	3570	e8200	3590	3560	4490	5040	5780	9710	3110	13100	4020
23	1950	4010	e5200	4490	2920	4220	24500	6250	5050	6780	11300	3500
24	5320	3230	e2500	7290	2820	2660	32600	7360	4080	9770	8290	2440
25	3660	1680	2040	9600	1480	2980	19300	7630	5610	9200	4180	2820
26	3570	731	1660	8100	2460	9540	14800	9540	4400	6420	4460	4990
27	2710	782	1650	6610	2080	10000	9390	e11000	4860	3540	6570	41600
28	2070	6750	1710	4660	12600	7550	8630	e12000	11000	4910	4860	39500
29	1860	10000	1660	3590	17100	8170	9200	12300	8590	5430	6190	11500
30	2040	3950	1910	7910	---	8630	10200	14300	10100	7770	4890	9090
31	4810	---	1610	13500	---	8220	---	15300	---	9000	2660	---
TOTAL	137460	141913	116952	141300	176430	207920	228990	238830	301320	177530	228890	231250
MEAN	4434	4730	3773	4558	6084	6707	7633	7704	10040	5727	7384	7708
MAX	9440	10000	9560	13500	17100	21100	32600	15300	16400	11400	13600	41600
MIN	1860	731	622	1340	1480	1910	2900	3220	3050	1990	2290	2060
AC-FT	272700	281500	232000	280300	349900	412400	454200	473700	597700	352100	454000	458700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	5444	7349	9974	10960	12490	14220	16270	14440	10220	9110	7486	5803
MAX	19280	26560	29990	34700	39600	62300	86320	64400	44330	29410	25390	25180
(WY)	1942	1947	1943	1950	1949	1945	1945	1943	1945	1957	1957	1957
MIN	584	892	1359	1680	2204	3749	1610	3525	3225	1545	1210	678
(WY)	1955	1982	1982	1955	1964	1981	1981	1982	1952	1944	1943	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	4323555		2328785			
ANNUAL MEAN	11850		6363		10300	
HIGHEST ANNUAL MEAN					22890	1945
LOWEST ANNUAL MEAN					3482	1981
HIGHEST DAILY MEAN	45700	Jan 14	41600	Sep 27	292000	Apr 16 1945
LOWEST DAILY MEAN	622	Dec 3	622	Dec 3	310	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	1750	Dec 25	1640	Dec 27	412	Sep 23 1954
INSTANTANEOUS PEAK FLOW			59000	Sep 27	310000	Apr 16 1945
INSTANTANEOUS PEAK STAGE			18.34	Sep 27	[a]49.84	Apr 16 1945
INSTANTANEOUS LOW FLOW			528	Dec 3,4	[b]305	Sep 27 1954
ANNUAL RUNOFF (AC-FT)	8576000		4619000		7463000	
10 PERCENT EXCEEDS	19800		11900		21900	
50 PERCENT EXCEEDS	11600		5010		6860	
90 PERCENT EXCEEDS	3080		2320		1990	

[a]At present datum
[b]Observed
[e]Estimated

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Water years 1967-1981, 1991 to current year.

DISSOLVED OXYGEN: May 1991 to December 1994.

REMARKS.--Flow regulated by upstream reservoirs.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 31.	1135	80513	81213	8960	287	8.2	760	15.0	8.6	85	53
NOV 29.	1100	80513	81213	14800	276	7.0	740	12.0	10.7	102	39

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 31.	1135	67	140	38	11	2.8	4	0.1	1.6	130	6.4
NOV 29.	1100	34	130	36	9.4	2.8	4	0.1	1.6	130	2.9

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
OCT 31.	1135	5.1	<0.10	5.2	146	149	0.20	3530	0.170	--	--
NOV 29.	1100	16	<0.10	4.1	142	151	0.19	5670	0.090	0.090	0.40

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)
OCT 31.	1135	<0.010	--	0.170	0.170	0.010	0.01	<0.20	<0.010	--	20
NOV 29.	1100	0.010	0.03	0.100	0.100	0.030	0.04	<0.20	0.010	0.03	20

DATE	TIME	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT 31.	1135	28	<0.50	<1.0	<5.0	<3.0	<10	11	<10	<4	8.9
NOV 29.	1100	25	<0.50	<1.0	<5.0	<3.0	<10	<3.0	<10	<4	6.6

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 31.	1135	<10	<10	<1.0	30	<6	<4.0	12	290	82
NOV										

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
FEB								
27...	1100	80513	81213	--	--	--	--	1500
27...	1116	80513	80513	455	0.50	1.00	562	--
27...	1118	80513	80513	455	1.00	2.00	517	--
27...	1119	80513	80513	455	1.50	3.00	472	--
27...	1120	80513	80513	455	1.00	2.00	427	--
27...	1121	80513	80513	455	1.00	2.00	382	--
27...	1122	80513	80513	455	3.00	6.00	337	--
27...	1123	80513	80513	455	2.00	4.00	292	--
27...	1124	80513	80513	455	3.00	6.00	247	--
27...	1125	80513	80513	455	2.50	5.00	202	--
27...	1126	80513	80513	455	2.00	4.00	157	--

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
FEB							
27...	1100	312	7.8	11.0	9.3	86	751
27...	1116	314	7.7	13.5	11.3	110	751
27...	1118	310	7.8	13.0	10.8	104	751
27...	1119	309	7.8	12.0	10.6	100	751
27...	1120	311	7.8	11.5	10.6	98	751
27...	1121	312	7.8	11.0	10.5	98	751
27...	1122	312	7.8	11.0	10.6	97	751
27...	1123	311	7.8	11.0	10.6	98	751
27...	1124	313	7.8	11.0	10.7	98	751
27...	1125	313	7.8	11.0	10.7	99	751

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
FEB										
27...	1100	1500	K5	K1	170	37	19	1.9	2	0.1

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
FEB										
27...	1100	1.3	155	5.5	3.6	<0.10	2.2	186	164	0.25

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
FEB										
27...	1100	753	0.050	0.050	0.22	0.010	0.03	0.060	0.060	0.030

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
FEB									
27...	1100	0.04	<0.20	0.010	0.03	10	27	<0.50	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
FEB									
27...	1100	<5.0	<3.0	<10	7.0	<10	<4	5.7	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB									
27...	1100	<10	<1.0	30	<6	<4.0	20	81	81

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
APR											
22...	1120	80513	81213	5840	285	8.0	757	15.5	9.9	100	>600
JUN											
18...	1020	80513	81213	1620	308	7.4	749	16.0	8.6	89	100
AUG											
06...	1210	80513	81213	11500	275	8.1	757	21.0	9.8	110	420

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR											
22...	1120	1200	140	34	14	2.1	3	0.1	1.2	137	5.8
JUN											
18...	1020	180	160	37	17	1.9	2	0.1	1.4	130	5.4
AUG											
06...	1210	100	130	36	10	3.0	5	0.1	1.6	112	6.8

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)
APR											
22...	1120	3.4	<0.10	3.2	164	146	0.22	2590	0.040	0.040	0.18
JUN											
18...	1020	3.8	<0.10	3.3	178	148	0.24	779	0.140	--	--
AUG											
06...	1210	5.2	<0.10	2.4	144	133	0.20	4470	0.240	--	--

DATE	TIME	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DIS-SOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
APR											
22...	1120	0.010	0.03	0.050	0.050	0.020	0.03	0.22	0.24	0.29	<0.010
JUN											
18...	1020	<0.010	--	0.140	0.140	0.010	0.01	--	<0.20	--	<0.010
AUG											
06...	1210	<0.010	--	0.240	0.240	<0.010	--	--	<0.20	--	<0.010

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
APR											
22...	1120	<20	23	<0.50	<1.0	<5.0	<3.0	<10	7.0	<10	<4
JUN											
18...	1020	18	29	<0.50	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1
AUG											
06...	1210	16	27	<0.50	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1

DATE	TIME	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUS-PENDED (MG/L) (80154)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR											
22...	1120	5.3	<10	<10	<1.0	30	<6	<4.0	34	536	90
JUN											
18...	1020	8.3	<2.0	<1.0	<1.0	30	<1	<1.0	23	101	82
AUG											
06...	1210	3.8	<2.0	<1.0	<1.0	30	<1	<1.0	38	1180	89

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX
(Hydrologic benchmark station)

LOCATION.--Lat 35°59'30", long 92°12'50", in SW1/4NW1/4 sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, on right bank 30 ft upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft above sea level.

REMARKS.--Water-discharge records good, except for estimated daily discharges Nov. 1-8, which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	e21	13	11	17	12	100	67	6.6	4.4	5.0	4.0
2	8.4	e23	16	30	16	11	80	48	7.9	4.4	4.9	3.9
3	38	e25	17	40	13	11	65	39	8.2	4.1	5.3	3.4
4	25	e27	17	33	12	11	53	38	5.0	4.1	4.6	3.4
5	13	e29	17	37	12	93	40	31	3.8	4.1	4.0	3.3
6	8.7	e31	18	33	12	282	35	39	11	4.2	3.4	3.8
7	6.4	e33	18	26	12	100	31	46	32	4.1	2.7	3.4
8	5.1	e35	22	21	14	58	29	37	18	4.0	2.6	4.0
9	4.4	27	26	17	14	40	26	27	12	4.0	2.7	5.9
10	4.4	24	25	17	13	32	23	21	9.6	4.1	2.5	4.3
11	4.4	29	24	28	11	27	22	20	8.9	3.7	2.5	3.7
12	4.4	30	24	57	10	25	34	18	8.6	3.7	2.3	2.8
13	4.1	24	25	54	9.9	24	294	16	8.6	3.7	2.3	2.8
14	4.2	20	25	47	10	22	162	15	8.1	5.0	2.3	2.5
15	5.0	17	26	37	9.8	22	126	14	7.7	6.8	2.3	16
16	5.4	16	27	27	9.0	23	89	12	6.7	5.9	2.2	35
17	6.0	15	194	24	9.0	20	68	11	6.4	4.8	2.3	19
18	6.1	14	235	102	8.6	30	55	9.5	6.6	4.1	5.0	11
19	7.4	14	345	125	9.6	98	47	8.5	6.8	3.8	5.3	7.6
20	10	13	112	80	10	81	46	7.2	6.4	3.4	4.0	6.6
21	9.5	13	65	55	10	58	47	7.2	6.4	3.4	3.3	7.2
22	8.1	14	38	41	9.2	44	367	6.4	6.2	3.4	3.0	6.4
23	9.3	15	26	45	9.1	37	680	5.3	5.5	3.7	2.8	6.6
24	10	15	20	86	9.2	38	241	4.8	5.4	3.4	3.7	13
25	11	15	16	78	8.6	82	151	4.1	4.8	3.6	7.3	12
26	12	15	14	59	8.7	66	93	4.2	4.8	3.5	5.4	650
27	18	15	13	43	9.0	53	63	e9.0	4.8	3.0	4.8	245
28	15	15	12	32	11	72	53	6.3	4.8	3.0	4.2	89
29	12	14	10	29	12	111	107	4.6	4.8	4.3	3.8	43
30	12	13	10	24	---	98	92	3.9	4.4	7.6	3.1	25
31	13	---	11	20	---	133	---	3.4	---	6.7	3.2	---
TOTAL	303.4	611	1461	1358	318.7	1814	3319	583.4	240.8	132.0	112.8	1243.6
MEAN	9.79	20.4	47.1	43.8	11.0	58.5	111	18.8	8.03	4.26	3.64	41.5
MAX	38	35	345	125	17	282	680	67	32	7.6	7.3	650
MIN	3.1	13	10	11	8.6	11	22	3.4	3.8	3.0	2.2	2.5
AC-FT	602	1210	2900	2690	632	3600	6580	1160	478	262	224	2470
CFSM	.17	.35	.81	.75	.19	1.01	1.90	.32	.14	.07	.06	.71
IN.	.19	.39	.94	.87	.20	1.16	2.13	.37	.15	.08	.07	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

MEAN	17.4	46.4	75.9	44.7	61.5	93.2	108	71.0	23.6	10.4	6.41	12.3
MAX	99.3	231	501	171	295	296	493	230	102	32.8	16.6	56.7
(WY)	1974	1974	1983	1993	1989	1975	1973	1990	1974	1992	1981	1968
MIN	3.84	4.10	3.57	4.43	9.16	9.15	12.9	8.12	6.45	3.89	3.06	2.45
(WY)	1967	1990	1990	1981	1972	1972	1971	1977	1966	1980	1987	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1966 - 1996	
ANNUAL TOTAL	16223.4		11497.7			
ANNUAL MEAN	44.4		31.4		46.9	
HIGHEST ANNUAL MEAN					102	1973
LOWEST ANNUAL MEAN					15.8	1967
HIGHEST DAILY MEAN	2420	Mar 7	680	Apr 23	11500	Dec 3 1982
LOWEST DAILY MEAN	1.3	Sep 11	2.2	Aug 16	1.3	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 7	2.3	Aug 11	1.6	Sep 7 1995
INSTANTANEOUS PEAK FLOW			1930	Sep 26	[a]25200	Dec 3 1982
INSTANTANEOUS PEAK STAGE			6.36	Sep 26	20.60	Dec 3 1982
INSTANTANEOUS LOW FLOW			2.0	Aug 16,17	1.2	Sep 11 1995
ANNUAL RUNOFF (AC-FT)	32180		22810		33980	
ANNUAL RUNOFF (CFSM)	.77		.54		.81	
ANNUAL RUNOFF (INCHES)	10.39		7.36		10.97	
10 PERCENT EXCEEDS	84		67		88	
50 PERCENT EXCEEDS	15		12		13	
90 PERCENT EXCEEDS	3.4		3.7		4.1	

[a]From rating curve extended above 3,700 ft^3/s on basis of step-backwater computations
[e]Estimated

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	PH SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)
OCT 11...	1045	80513	80020	4.4	1.21	288	8.3	762	16.0	--
NOV 01...	1110	80513	80020	22	1.50	273	7.9	754	14.5	19.0
JAN 25...	1500	80513	80020	78	1.95	213	7.6	755	6.5	13.5

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT 11...	1045	0.10	9.6	97	33	29	48	140	0	46
NOV 01...	1110	--	9.3	92	320	290	310	140	5	45
JAN 25...	1500	--	12.0	98	<1	<1	K6	110	10	37

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
OCT 11...	1045	6.4	1.3	2	0.0	0.80	143	0	176	144
NOV 01...	1110	5.8	1.3	2	0.0	0.90	131	0	160	131
JAN 25...	1500	4.8	0.90	2	0.0	0.50	102	0	125	102

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT 11...	1045	4.4	3.0	<0.10	7.0	149	156	1.77	0.20	<0.010
NOV 01...	1110	2.8	1.9	<0.10	6.4	152	143	9.03	0.21	<0.010
JAN 25...	1500	4.4	1.2	<0.10	6.4	117	117	24.6	0.16	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT 11...	1045	--	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.80
NOV 01...	1110	0.060	0.060	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.0
JAN 25...	1500	--	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.4

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
OCT 11...	1045	0.10	30	23	4.0	5.0	<4	2.0	<10
NOV 01...	1110	0.20	--	--	--	11	--	4.0	--
JAN 25...	1500	0.20	--	--	--	11	--	2.0	--

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 11...	1045	<1.0	<1	<1.0	38	<6	21	0.25	80
NOV 01...	1110	--	--	--	--	--	25	1.5	73
JAN 25...	1500	--	--	--	--	--	12	2.5	92

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN 31...	1704	80513	80513	100	0.0	0.0	5.00	37
31...	1705	80513	80513	100	0.0	0.0	15.0	--
31...	1706	80513	80513	100	0.0	0.0	25.0	--
31...	1707	80513	80513	100	0.0	0.0	35.0	--
31...	1708	80513	80513	100	0.0	0.0	45.0	--
31...	1709	80513	80513	100	0.10	0.10	55.0	--
31...	1710	80513	80513	100	0.10	0.10	65.0	--
31...	1711	80513	80513	100	0.10	0.10	75.0	--
31...	1712	80513	80513	100	0.20	0.20	85.0	--
31...	1713	80513	80513	100	0.20	0.20	95.0	--

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1704	241	9.2	2.5	12.1	91	742
31...	1705	241	9.1	2.5	10.2	77	742
31...	1706	241	8.8	2.5	7.8	59	742
31...	1707	242	8.7	2.5	6.9	52	742
31...	1708	242	8.6	2.5	11.4	86	742
31...	1709	242	8.6	2.5	12.1	92	742
31...	1710	242	8.6	2.5	12.6	95	742
31...	1711	242	8.6	2.5	12.8	97	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	TURBIDITY (NTU) (00076)
FEB											
22...	1120	80513	80020	9.0	1.26	267	8.1	752	10.5	16.5	0.10
APR											
11...	1200	80513	80020	21	1.40	246	8.4	755	13.5	17.5	--
MAY											
08...	1015	80513	80020	37	1.76	253	8.1	758	16.5	23.0	--
JUN											
20...	1015	80513	80020	6.4	1.19	268	8.1	754	22.5	--	--
JUL											
23...	0915	80513	80020	3.7	1.11	271	7.9	757	24.5	24.0	--
AUG											
21...	1215	80513	80020	3.1	1.09	257	8.0	760	25.0	27.5	--
SEP											
18...	1335	80513	80020	10	1.23	257	8.7	760	21.0	23.5	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
FEB											
22...	1120	11.3	103	K4	K2	K4	140	12	46	5.7	1.2
APR											
11...	1200	11.3	109	K2	<1	K4	120	8	40	5.0	1.1
MAY											
08...	1015	9.8	101	K4	K4	K16	130	9	43	5.0	1.0
JUN											
20...	1015	6.7	79	K8	K7	K15	140	1	46	6.0	1.3
JUL											
23...	0915	6.8	82	47	30	130	130	0	42	6.1	1.5
AUG											
21...	1215	7.4	89	K11	K1	K8	130	7	42	6.4	1.5
SEP											
18...	1335	10.5	118	27	K5	38	130	1	42	6.0	1.3

DATE	TIME	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB										
22...	1120	2	0.0	0.60	125	0	154	127	4.3	1.7
APR										
11...	1200	2	0.0	0.60	113	16	105	113	5.8	1.4
MAY										
08...	1015	2	0.0	0.60	118	0	145	119	5.4	1.2
JUN										
20...	1015	2	0.0	0.70	138	0	169	139	3.5	1.6
JUL										
23...	0915	2	0.1	0.80	140	0	172	141	3.3	2.0
AUG										
21...	1215	2	0.1	0.80	124	0	152	125	3.5	1.8
SEP										
18...	1335	2	0.0	0.80	129	0	157	129	4.1	1.7

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
22...	1120	<0.10	5.5	157	141	3.82	0.21	--	<0.010	--
APR										
11...	1200	<0.10	6.1	136	128	7.71	0.18	--	<0.010	--
MAY										
08...	1015	<0.10	7.6	138	135	13.8	0.19	--	<0.010	0.070
JUN										
20...	1015	<0.10	9.8	140	152	2.42	0.19	--	<0.010	0.070
JUL										
23...	0915	<0.10	10	154	151	1.54	0.21	0.100	0.010	0.110
AUG										
21...	1215	<0.10	9.4	148	141	1.24	0.20	--	<0.010	0.080
SEP										
18...	1335	<0.10	8.1	142	142	3.83	0.19	--	<0.010	0.100

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
FEB										
22...	1120	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.80	0.20
APR										
11...	1200	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.90	0.30
MAY										
08...	1015	0.070	0.020	<0.20	<0.20	0.010	<0.010	0.010	1.0	0.10
JUN										
20...	1015	0.070	0.020	<0.20	<0.20	<0.010	<0.010	<0.010	0.90	0.10
JUL										
23...	0915	0.110	0.040	<0.20	<0.20	<0.010	<0.010	<0.010	0.70	0.20
AUG										
21...	1215	0.080	<0.015	<0.20	<0.20	<0.010	<0.010	0.010	0.70	0.10
SEP										
18...	1335	0.100	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.2	0.20

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)
FEB 22...	1120	<10	18	<3.0	<3.0	<4	1.0	<10	<1.0	<1
APR 11...	1200	--	--	--	<3.0	--	1.0	--	--	--
MAY 08...	1015	--	--	--	11	--	3.0	--	--	--
JUN 20...	1015	--	--	--	5.0	--	5.0	--	--	--
JUL 23...	0915	--	--	--	4.0	--	6.0	--	--	--
AUG 21...	1215	--	--	--	4.0	--	4.0	--	--	--
SEP 18...	1335	--	--	--	<3.0	--	2.0	--	--	--

DATE	TIME	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 22...	1120	<1.0	34	<6	0.0	0.010	0.03	26	0.63	78
APR 11...	1200	--	--	--	--	--	--	20	1.1	95
MAY 08...	1015	--	--	--	--	--	--	44	4.4	69
JUN 20...	1015	--	--	--	--	--	--	42	0.73	35
JUL 23...	0915	--	--	--	--	--	--	28	0.28	82
AUG 21...	1215	--	--	--	--	--	--	15	0.13	98
SEP 18...	1335	--	--	--	--	--	--	26	0.70	90

07069190 MAMMOTH SPRING AT MAMMOTH SPRING

LOCATION.--Lat 36°29'53", long 91°32'08", in SE1/4SW1/4 sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year. Prior to October 1992 published under Station Number 07069200.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	243	233	259	325	262	354	435	427	341	312	268
2	263	241	233	257	318	262	360	432	424	336	354	268
3	264	240	231	257	316	262	363	429	420	335	361	266
4	268	240	230	257	312	262	364	424	417	332	359	265
5	268	239	230	258	307	259	364	418	411	329	353	262
6	268	238	231	259	303	258	364	417	408	328	346	261
7	265	238	233	259	301	257	361	436	414	325	339	259
8	265	238	233	259	297	257	358	442	412	322	331	258
9	262	238	232	258	296	257	353	446	410	319	326	257
10	262	238	230	255	293	257	350	448	408	318	321	254
11	260	238	230	254	290	257	347	473	406	315	316	253
12	257	239	230	254	289	257	345	480	403	312	312	251
13	255	240	230	255	288	257	379	481	400	310	308	251
14	254	240	229	257	286	257	382	481	395	308	304	250
15	254	240	228	257	286	257	382	481	390	305	301	249
16	252	238	229	257	283	257	382	481	386	305	298	290
17	251	238	234	257	283	257	379	479	383	301	296	308
18	251	238	254	265	281	257	375	477	386	299	293	303
19	251	238	281	278	280	257	371	473	384	298	292	294
20	251	236	292	280	279	257	368	467	380	296	292	287
21	251	233	292	280	277	257	368	464	374	295	289	283
22	249	233	292	280	275	257	382	457	369	289	286	283
23	248	233	289	293	274	257	433	455	366	287	286	280
24	248	233	281	346	271	257	445	452	362	283	283	284
25	246	233	277	353	271	269	447	449	360	281	281	295
26	245	234	273	353	268	281	447	446	357	283	280	329
27	245	235	271	350	268	283	447	443	355	283	279	425
28	245	235	268	345	268	294	445	438	350	280	277	424
29	245	234	265	341	265	330	443	435	347	281	274	424
30	245	233	262	338	---	338	437	432	343	305	273	422
31	244	---	259	332	---	342	---	429	---	325	271	---
TOTAL	7897	7114	7782	8803	8350	8328	11595	14000	11647	9526	9493	8803
MEAN	255	237	251	284	288	269	386	452	388	307	306	293
MAX	268	243	292	353	325	342	447	481	427	341	361	425
MIN	244	233	228	254	265	257	345	417	343	280	271	249
AC-FT	15660	14110	15440	17460	16560	16520	23000	27770	23100	18890	18830	17460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

MEAN	277	317	375	389	410	410	444	439	399	345	306	282
MAX	399	473	523	530	540	525	565	568	501	423	358	329
(WY)	1994	1985	1985	1985	1989	1989	1991	1991	1990	1990	1990	1991
MIN	191	190	186	234	286	205	220	248	253	236	221	205
(WY)	1982	1982	1982	1982	1987	1981	1981	1981	1981	1981	1981	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	131717		113338			
ANNUAL MEAN	361		310		376	
HIGHEST ANNUAL MEAN					453	1985
LOWEST ANNUAL MEAN					285	1987
HIGHEST DAILY MEAN	516	May 9	481	May 13	689	Apr 13 1991
LOWEST DAILY MEAN	228	Dec 15	228	Dec 15	182	Dec 18 1981
ANNUAL SEVEN-DAY MINIMUM	229	Dec 10	229	Dec 10	183	Dec 26 1981
INSTANTANEOUS PEAK FLOW			481	May 11,12	706	Apr 13 1991
INSTANTANEOUS PEAK STAGE			4.74	May 11,12	5.13	Apr 13 1991
INSTANTANEOUS LOW FLOW			228	Dec 14-16	182	[a]Dec 17-21 1981
ANNUAL RUNOFF (AC-FT)	261300		224800		272200	
10 PERCENT EXCEEDS	480		428		497	
50 PERCENT EXCEEDS	380		283		364	
90 PERCENT EXCEEDS	238		238		240	

[a]Also Dec. 28-31, 1981; Jan. 1-2, 1992

07072500 BLACK RIVER AT BLACK ROCK

LOCATION.--Lat 36°06'15", long 91°05'50", in NW1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank beneath U.S. Highway 63 bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

DRAINAGE AREA.--7,369 mi^2.

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft above sea level. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft, from records of National Weather Service, discharge, 160,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400	3410	3320	5480	7670	4420	9810	20800	10400	5280	5490	2870
2	3380	3980	3300	5620	7440	4330	10500	20000	10300	5210	4980	2860
3	3450	3640	3300	6660	7130	4220	11100	19500	10200	5130	6120	2870
4	3540	3510	3310	6590	6820	4130	11300	19000	10100	5070	5370	2890
5	3660	3440	3300	6240	6710	4100	10900	18300	9790	5030	4850	2860
6	3640	3420	3280	5960	6580	4870	10000	17600	9410	4990	4660	2830
7	3510	3560	3250	5740	6460	4770	9250	17900	9750	4960	4250	2810
8	3430	3630	3250	5530	6330	4610	8660	19400	9920	4960	3870	2810
9	3410	3600	3260	5370	6160	4560	8250	19300	9670	4870	3630	2880
10	3400	3580	3230	5230	5940	4450	7960	19700	9240	4670	3500	2850
11	3390	4490	3210	5140	5670	4340	7720	20900	8870	4480	3430	2800
12	3370	4910	3210	5150	5370	4300	7540	24700	8590	4300	3380	2750
13	3380	4700	3220	5070	5120	4270	8160	26200	8380	4140	3290	2720
14	3310	4540	3220	5010	4930	4200	9920	26900	8230	4050	3210	2700
15	3260	4370	3220	4960	4770	4180	9890	27700	7960	4100	3170	2730
16	3240	4240	3230	4940	4610	4220	9630	27800	7640	4090	3110	3760
17	3230	4090	3510	4990	4490	4180	9130	27100	7400	4060	3060	4500
18	3210	3920	9140	5190	4390	4210	8640	25800	7340	4000	3020	4680
19	3200	3790	10500	6690	4370	4540	8230	24100	7350	3910	3040	4510
20	3200	3730	10800	7070	4440	4740	8170	22200	6990	3820	3040	4300
21	3200	3700	9930	7330	4430	4750	8660	20500	6750	3740	3060	4080
22	3200	3670	9250	7430	4390	4750	9060	18800	6540	3700	3070	3850
23	3180	3660	8400	7430	4330	4760	14300	17200	6340	3690	3020	3650
24	3180	3600	7490	8920	4250	4770	19000	15600	6160	3750	2950	3550
25	3170	3540	6830	10800	4300	5630	19600	14000	6000	3840	2920	3550
26	3170	3500	6420	10500	4330	6200	19700	12600	5840	3830	2920	3720
27	3370	3470	6150	10100	4280	6560	19900	11700	5670	3780	2930	7600
28	3460	3410	5950	9510	4320	7270	20200	11600	5520	3700	2920	13900
29	3310	3380	5800	8880	4380	8070	21100	11600	5420	3720	2950	12400
30	3260	3350	5680	8350	---	8430	21400	11300	5330	4430	2920	11600
31	3240	---	5590	7970	---	9070	---	10900	---	5630	2880	---
TOTAL	103350	113830	163550	209850	154410	157900	357680	600700	237100	134930	111010	131880
MEAN	3334	3794	5276	6769	5324	5094	11920	19380	7903	4353	3581	4396
MAX	3660	4910	10800	10800	7670	9070	21400	27800	10400	5630	6120	13900
MIN	3170	3350	3210	4940	4250	4100	7540	10900	5330	3690	2880	2700
AC-FT	205000	225800	324400	416200	306300	313200	709500	1191000	470300	267600	220200	261600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1996, BY WATER YEAR (WY)

MEAN	3978	6728	9554	10880	11530	13580	15590	13750	7787	5246	3996	3861
MAX	11570	23020	44020	40410	36240	30410	42280	36370	18890	17630	8739	7630
(WY)	1985	1973	1983	1950	1989	1979	1973	1961	1957	1951	1951	1975
MIN	1797	1984	2042	1998	2650	3784	3721	4862	3296	2455	2028	1853
(WY)	1957	1957	1956	1956	1963	1981	1981	1987	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1948 - 1996	
ANNUAL TOTAL	2968400		2476190			
ANNUAL MEAN	8133		6766		[a]8858	
HIGHEST ANNUAL MEAN					17330	1973
LOWEST ANNUAL MEAN					3552	1954
HIGHEST DAILY MEAN	24400	May 3	27800	May 16	123000	Dec 5 1982
LOWEST DAILY MEAN	3170	Oct 25	2700	Sep 14	1730	Sep 18 1956
ANNUAL SEVEN-DAY MINIMUM	3190	Oct 20	2780	Sep 9	1730	Sep 22 1956
INSTANTANEOUS PEAK FLOW			27900	May 15,16	[b]190000	Dec 4 1982
INSTANTANEOUS PEAK STAGE			20.47	May 15,16	[c]31.51	Dec 4 1982
ANNUAL RUNOFF (AC-FT)	5888000		4912000		6417000	
10 PERCENT EXCEEDS	14300		11900		19100	
50 PERCENT EXCEEDS	7740		4750		5760	
90 PERCENT EXCEEDS	3380		3190		2720	

[a]Prior to regulation, water years 1930-31, 1940-47, 7,854 ft^3/s
[b]From rating curve extended above 105,000 ft^3/s
[c]From floodmarks

07074500 WHITE RIVER AT NEWPORT

LOCATION.--Lat 35°36'18", long 91°17'19", in NE1/4NE1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft downstream from bridge on State Highway 367 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi^2.

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft above sea level. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft, from records of National Weather Service.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	7870	11100	9260	19800	18000	20100	32200	26500	15300	14200	8250
2	13100	10600	8630	9030	23000	17200	20800	30900	26700	13500	14400	6810
3	11000	11200	7280	10100	20800	12800	20800	30400	26000	13700	16000	6570
4	10900	12200	6010	11400	17700	9820	20300	30000	26300	13000	13500	7520
5	12800	14400	5530	12100	16500	8970	19500	29200	26000	11100	11300	9400
6	12400	12300	6780	11700	14700	10600	18400	27500	26300	9120	9550	13700
7	12100	11300	8470	11500	14300	17700	17200	27300	26700	8580	11500	13400
8	13800	11900	8950	10800	14100	19800	15700	27700	26900	8770	14500	14300
9	11400	11000	10600	10800	12900	23700	14700	27300	24000	9570	16400	11000
10	8280	11800	9420	10800	11500	19300	13900	28100	23000	9510	13000	7830
11	8890	11500	8080	11000	12600	13900	13800	27600	22500	8190	10500	8760
12	9650	11100	7320	10100	11300	10200	12800	27800	22400	8270	8980	11200
13	10900	10900	7340	9810	9960	9040	13500	27000	22600	9130	7410	11300
14	11100	10900	7930	9890	11100	8900	14500	25900	22800	8610	7590	9390
15	10400	11400	8070	9750	12300	8520	16000	26200	21300	10000	10100	6960
16	9600	13400	7640	9540	10000	7790	17500	28000	19500	9370	13300	6810
17	8270	14000	7120	9420	12300	7910	17700	29000	16400	9050	13700	8070
18	7850	13500	12100	9420	15500	7650	16700	29700	13700	10800	12500	8980
19	8360	10600	20000	10300	13300	7520	15600	30200	13000	12000	10700	8980
20	8240	9130	23900	13600	12800	9500	14600	30400	14900	13700	9420	9260
21	8150	7950	24500	18300	11300	11700	14100	30600	15400	13100	13100	8590
22	9200	8740	22800	16400	10500	12700	14300	30800	15400	10600	15100	8800
23	9400	9430	20000	14400	10300	10900	16800	30300	16500	8650	15700	8020
24	7850	9380	17100	14300	9460	10300	31600	29100	14200	9220	14900	8350
25	8000	8820	14900	16900	9190	10100	41600	28200	12500	11900	12800	8170
26	9000	8710	13000	20400	8180	10300	40600	26900	12300	12700	10400	7360
27	9110	7040	11600	20900	7820	13200	37800	25800	11800	11700	8680	10700
28	9670	6100	10600	19400	8200	16200	34100	25100	11200	10100	9130	32000
29	8350	6530	10000	18300	12300	17200	31900	24900	14000	8410	9220	42500
30	7380	12400	9530	16200	---	18400	31500	24800	14700	9560	9320	34700
31	6780	---	9300	16200	---	19200	---	25600	---	11500	9120	---
TOTAL	305930	316100	355600	402020	373710	399020	628400	874500	585500	328710	366020	357680
MEAN	9869	10540	11470	12970	12890	12870	20950	28210	19520	10600	11810	11920
MAX	14000	14400	24500	20900	23000	23700	41600	32200	26900	15300	16400	42500
MIN	6780	6100	5530	9030	7820	7520	12800	24800	11200	8190	7410	6570
AC-FT	606800	627000	705300	797400	741300	791500	1246000	1735000	1161000	652000	726000	709500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	10440	15620	23300	26670	29010	34290	38650	35160	22380	16500	13000	10940
MAX	26280	41430	89140	90830	95540	117400	164200	102800	98630	43020	34390	29530
(WY)	1994	1973	1983	1950	1949	1945	1945	1943	1945	1951	1957	1957
MIN	3783	3795	4371	5310	7052	9148	6539	10970	7562	5354	4611	3702
(WY)	1955	1955	1944	1944	1964	1981	1981	1963	1977	1944	1944	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	8615530		5293190			
ANNUAL MEAN	23600		14460		[a]22960	
HIGHEST ANNUAL MEAN					46320	1945
LOWEST ANNUAL MEAN					8073	1981
HIGHEST DAILY MEAN	53700	May 11	42500	Sep 29	340000	Apr 18 1945
LOWEST DAILY MEAN	5530	Dec 5	5530	Dec 5	2870	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	7380	Dec 2	7380	Dec 2	2960	Sep 24 1954
INSTANTANEOUS PEAK FLOW			43700	Sep 29	343000	Apr 17 1945
INSTANTANEOUS PEAK STAGE			19.34	Sep 29	[b]35.19	Apr 18 1945
INSTANTANEOUS LOW FLOW			5170	Nov 29	2870	Sep 27-30 1954
ANNUAL RUNOFF (AC-FT)	17090000		10500000		16640000	
10 PERCENT EXCEEDS	39000		26700		48200	
50 PERCENT EXCEEDS	25300		11900		15700	
90 PERCENT EXCEEDS	9110		8080		6620	

[a]Prior to regulation, water years 1928-31, 1938-42, 26,370 ft^3/s
[b]Observed

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS

LOCATION.--Lat 35°31'15", long 91°59'42", in SE1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

DRAINAGE AREA.--1,153 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
12...	1404	80513	0.0	143	39	7.0	762	23.0	8.6	101	4.50
12...	1405	80513	10.0	143	39	7.0	762	22.0	8.6	98	--
12...	1406	80513	20.0	143	38	7.1	762	22.0	8.5	97	--
12...	1407	80513	30.0	143	38	7.0	762	21.5	8.4	95	--
12...	1408	80513	40.0	143	38	6.8	762	21.5	7.5	85	--
12...	1409	80513	44.0	143	38	6.4	762	20.0	5.2	58	--
12...	1410	80513	47.0	143	38	6.2	762	19.5	3.8	41	--
12...	1411	80513	49.0	143	38	6.1	762	17.5	3.6	38	--
12...	1412	80513	50.0	143	38	6.1	762	17.0	3.5	36	--
12...	1413	80513	54.0	143	39	6.1	762	16.0	3.4	35	--
12...	1414	80513	60.0	143	39	6.2	762	14.5	3.5	34	--
12...	1415	80513	64.0	143	40	6.2	762	14.0	3.5	34	--
12...	1416	80513	70.0	143	40	6.2	762	13.0	3.7	35	--
12...	1417	80513	77.0	143	40	6.2	762	12.0	4.0	37	--
12...	1418	80513	80.0	143	40	6.2	762	11.5	4.2	39	--
12...	1419	80513	90.0	143	39	6.3	762	10.5	5.0	44	--
12...	1420	80513	100	143	39	6.3	762	10.0	5.2	46	--
12...	1421	80513	110	143	39	6.3	762	9.5	4.9	42	--
12...	1422	80513	120	143	40	6.3	762	9.0	4.1	35	--
12...	1423	80513	130	143	41	6.3	762	8.5	3.7	31	--
12...	1424	80513	140	143	41	6.2	762	8.5	3.4	29	--
12...	1425	80513	143	143	41	6.2	762	8.5	3.3	28	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
26...	1254	80513	0.0	138	39	7.1	746	19.0	10.6	117	4.80
26...	1255	80513	10.0	138	39	7.1	746	19.0	10.1	112	--
26...	1256	80513	20.0	138	39	7.0	746	19.0	10.1	111	--
26...	1257	80513	30.0	138	39	7.0	746	19.0	10	110	--
26...	1258	80513	40.0	138	39	7.0	746	19.0	9.9	109	--
26...	1300	80513	49.0	138	39	6.4	746	18.5	5.8	63	--
26...	1301	80513	50.0	138	39	6.3	746	18.0	4.6	50	--
26...	1302	80513	51.0	138	39	6.2	746	17.5	3.7	40	--
26...	1303	80513	53.0	138	39	6.2	746	16.5	3.8	40	--
26...	1304	80513	56.0	138	39	6.1	746	15.5	3.8	39	--
26...	1305	80513	60.0	138	39	6.1	746	14.5	3.9	39	--
26...	1306	80513	65.0	138	40	6.1	746	13.5	3.8	38	--
26...	1307	80513	70.0	138	40	6.1	746	12.5	4.1	39	--
26...	1308	80513	77.0	138	40	6.1	746	11.5	4.6	43	--
26...	1309	80513	80.0	138	40	6.2	746	11.5	4.9	46	--
26...	1310	80513	88.0	138	39	6.2	746	10.5	5.7	52	--
26...	1311	80513	90.0	138	39	6.2	746	10.0	5.8	53	--
26...	1312	80513	100	138	39	6.2	746	9.5	5.9	53	--
26...	1313	80513	110	138	40	6.2	746	9.0	5.4	47	--
26...	1314	80513	120	138	41	6.2	746	8.5	4.6	40	--
26...	1315	80513	130	138	41	6.3	746	8.5	3.9	34	--
26...	1317	80513	138	138	41	6.2	746	8.5	3.8	33	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
06...	1335	80513	0.0	143	38	6.8	760	17.0	8.4	87	7.80
06...	1336	80513	10.0	143	38	6.8	760	17.0	8.5	88	--
06...	1337	80513	20.0	143	38	6.8	760	17.0	8.4	87	--
06...	1338	80513	30.0	143	38	6.8	760	17.0	8.3	86	--
06...	1339	80513	40.0	143	38	6.8	760	17.0	8.2	85	--
06...	1340	80513	50.0	143	39	6.5	760	16.0	5.3	54	--
06...	1342	80513	54.0	143	40	6.2	760	15.0	2.8	28	--
06...	1343	80513	60.0	143	40	6.2	760	14.5	2.9	28	--
06...	1344	80513	70.0	143	40	6.2	760	13.0	3.2	30	--
06...	1345	80513	80.0	143	40	6.3	760	11.5	3.8	35	--
06...	1346	80513	90.0	143	39	6.3	760	10.5	4.6	41	--
06...	1347	80513	100	143	40	6.4	760	9.5	4.8	42	--
06...	1348	80513	110	143	40	6.4	760	9.0	4.4	39	--
06...	1349	80513	120	143	40	6.4	760	9.0	3.8	33	--
06...	1350	80513	130	143	41	6.3	760	8.5	3.3	28	--
06...	1351	80513	140	143	41	6.3	760	8.5	3.0	26	--
06...	1352	80513	143	143	42	6.3	760	8.5	2.9	25	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
12...	1017	80513	0.0	146	35	6.8	764	11.0	8.4	76	7.70
12...	1018	80513	10.0	146	34	6.7	764	11.0	7.9	71	--
12...	1019	80513	20.0	146	35	6.6	764	11.0	7.9	71	--
12...	1021	80513	30.0	146	35	6.5	764	11.0	7.9	71	--
12...	1022	80513	40.0	146	35	6.5	764	11.0	7.9	71	--
12...	1023	80513	50.0	146	35	6.5	764	11.0	7.9	71	--
12...	1024	80513	60.0	146	35	6.4	764	11.0	7.9	71	--
12...	1025	80513	70.0	146	35	6.4	764	11.0	7.9	71	--
12...	1026	80513	80.0	146	35	6.4	764	11.0	7.7	69	--
12...	1027	80513	90.0	146	35	6.3	764	10.5	5.2	46	--
12...	1028	80513	100	146	36	6.1	764	10.0	3.4	29	--
12...	1029	80513	110	146	36	6.1	764	9.5	3.1	27	--
12...	1030	80513	120	146	38	6.0	764	9.0	2.2	19	--
12...	1031	80513	130	146	39	6.0	764	9.0	1.7	14	--
12...	1032	80513	140	146	40	5.9	764	8.5	1.4	12	--
12...	1033	80513	146	146	40	5.9	764	8.5	1.3	11	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
22...	1054	80513	0.0	149	38	6.8	768	7.0	10	82	4.90
22...	1055	80513	10.0	149	38	6.7	768	7.0	9.9	81	--
22...	1056	80513	20.0	149	39	6.7	768	7.0	9.9	81	--
22...	1057	80513	30.0	149	38	6.7	768	7.0	9.9	81	--
22...	1058	80513	40.0	149	38	6.6	768	7.0	9.9	81	--
22...	1059	80513	50.0	149	38	6.6	768	7.0	9.9	81	--
22...	1100	80513	60.0	149	38	6.6	768	7.0	9.9	81	--
22...	1101	80513	70.0	149	38	6.6	768	7.0	9.8	81	--
22...	1102	80513	80.0	149	38	6.6	768	7.0	9.8	81	--
22...	1103	80513	90.0	149	38	6.5	768	7.0	9.8	81	--
22...	1104	80513	100	149	38	6.5	768	7.0	9.8	81	--
22...	1105	80513	110	149	38	6.5	768	7.0	9.8	80	--
22...	1106	80513	120	149	38	6.5	768	7.0	9.8	80	--
22...	1107	80513	130	149	38	6.5	768	7.0	9.8	80	--
22...	1108	80513	140	149	38	6.5	768	7.0	9.7	79	--
22...	1109	80513	149	149	38	6.5	768	7.0	9.7	79	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
19...	1150	80513	0.0	146	39	6.7	760	9.5	11.3	99	7.10
19...	1151	80513	10.0	146	39	7.0	760	9.5	11.2	98	--
19...	1152	80513	20.0	146	39	7.0	760	9.5	11.3	98	--
19...	1153	80513	30.0	146	39	7.1	760	9.5	11.2	98	--
19...	1154	80513	40.0	146	39	7.1	760	9.0	11.2	98	--
19...	1155	80513	50.0	146	39	7.1	760	9.0	11.3	98	--
19...	1156	80513	60.0	146	39	7.1	760	9.0	11.3	98	--
19...	1157	80513	70.0	146	39	7.0	760	7.5	11.3	94	--
19...	1158	80513	80.0	146	39	7.0	760	6.5	11.0	90	--
19...	1159	80513	90.0	146	39	7.0	760	6.5	10.9	89	--
19...	1200	80513	100	146	39	6.9	760	6.5	10.7	87	--
19...	1201	80513	110	146	39	6.9	760	6.0	10.6	86	--
19...	1202	80513	120	146	39	6.8	760	6.0	10.4	84	--
19...	1203	80513	130	146	39	6.8	760	6.0	10.5	84	--
19...	1204	80513	140	146	39	6.9	760	6.0	10.4	83	--
19...	1205	80513	146	146	39	6.9	760	6.0	10.4	84	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
20...	0951	80513	0.0	146	42	7.1	760	28.5	7.6	98	5.30
20...	0953	80513	10.0	146	42	7.1	760	28.0	7.8	100	--
20...	0955	80513	20.0	146	41	7.1	760	28.0	7.8	100	--
20...	0957	80513	28.0	146	41	7.2	760	27.0	8.6	108	--
20...	0959	80513	29.0	146	41	7.4	760	26.5	9.2	115	--
20...	1000	80513	30.0	146	40	7.5	760	25.5	9.5	117	--
20...	1001	80513	31.0	146	40	7.6	760	24.0	9.9	119	--
20...	1002	80513	32.0	146	39	7.6	760	23.5	9.8	116	--
20...	1003	80513	33.0	146	39	7.4	760	21.5	10.1	115	--
20...	1005	80513	34.0	146	39	7.3	760	20.5	10.1	113	--
20...	1006	80513	36.0	146	38	7.2	760	19.5	9.8	107	--
20...	1007	80513	38.0	146	38	7.2	760	18.0	9.6	102	--
20...	1008	80513	39.0	146	38	7.2	760	17.0	9.7	101	--
20...	1009	80513	40.0	146	38	7.2	760	16.5	9.5	98	--
20...	1010	80513	44.0	146	38	7.1	760	15.5	9.0	91	--
20...	1012	80513	47.0	146	38	6.9	760	14.5	8.6	85	--
20...	1013	80513	50.0	146	38	6.9	760	14.0	8.3	81	--
20...	1014	80513	56.0	146	38	6.9	760	12.5	8.3	78	--
20...	1015	80513	60.0	146	39	6.8	760	12.5	8.1	76	--
20...	1017	80513	65.0	146	39	6.8	760	11.0	8.2	75	--
20...	1018	80513	70.0	146	39	6.7	760	10.5	8.1	73	--
20...	1019	80513	75.0	146	39	6.7	760	10.0	8.2	73	--
20...	1020	80513	80.0	146	39	6.7	760	9.5	8.2	72	--
20...	1021	80513	90.0	146	39	6.7	760	9.0	8.1	71	--
20...	1022	80513	100	146	39	6.7	760	8.5	8.1	69	--
20...	1023	80513	110	146	39	6.7	760	8.5	7.9	68	--
20...	1024	80513	120	146	40	6.7	760	8.0	7.5	63	--
20...	1025	80513	130	146	40	6.6	760	8.0	7.2	60	--
20...	1026	80513	140	146	40	6.6	760	7.5	6.9	58	--
20...	1027	80513	146	146	40	6.6	760	7.5	6.8	57	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
19...	1312	80513	0.0	140	41	7.1	756	25.0	8.3	102	4.70
19...	1313	80513	10.0	140	41	7.1	756	25.0	8.3	102	--
19...	1314	80513	20.0	140	41	7.1	756	25.0	8.3	102	--
19...	1315	80513	26.0	140	40	6.9	756	24.5	8.6	104	--
19...	1316	80513	28.0	140	39	7.0	756	24.0	9.9	118	--
19...	1317	80513	30.0	140	39	7.0	756	23.0	10.1	119	--
19...	1318	80513	32.0	140	38	6.9	756	21.5	10.0	114	--
19...	1319	80513	33.0	140	38	6.8	756	20.0	10	111	--
19...	1320	80513	35.0	140	38	6.7	756	18.5	9.7	104	--
19...	1321	80513	36.0	140	38	6.7	756	18.0	9.5	102	--
19...	1323	80513	38.0	140	38	6.7	756	17.0	9.2	96	--
19...	1324	80513	40.0	140	38	6.6	746	16.0	9.0	93	--
19...	1325	80513	43.0	140	38	6.5	746	15.0	8.3	85	--
19...	1326	80513	48.0	140	38	6.5	756	14.0	8.0	79	--
19...	1327	80513	50.0	140	38	6.5	756	13.5	8.0	78	--
19...	1328	80513	55.0	140	38	6.5	746	12.5	7.9	76	--
19...	1329	80513	60.0	140	39	6.5	756	12.0	7.9	73	--
19...	1330	80513	70.0	140	39	6.5	756	11.0	7.9	71	--
19...	1331	80513	80.0	140	39	6.5	756	10.0	7.9	70	--
19...	1332	80513	90.0	140	39	6.5	746	9.0	7.9	70	--
19...	1333	80513	100	140	39	6.5	746	9.0	7.7	68	--
19...	1334	80513	110	140	40	6.5	756	8.5	7.5	64	--
19...	1335	80513	121	140	40	6.4	756	8.0	6.8	58	--
19...	1336	80513	130	140	40	6.3	756	8.0	6.4	54	--
19...	1337	80513	140	140	40	6.3	756	8.0	6.1	52	--

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS

LOCATION.--Lat 35°31'02", long 91°59'50", in NE1/4 sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--November 1949 to September 1952, water years 1955-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
12...	1259	80513	80513	41	6.5	765	14.0	8.8	85
26...	1236	80513	80513	41	6.3	746	11.0	10.5	97
NOV									
06...	1417	80513	80513	41	7.2	760	11.0	10.5	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
DEC							
12...	1104	80513	80513	300	2.70	5.40	19.0
12...	1105	80513	80513	300	3.00	6.00	57.0
12...	1106	80513	80513	300	2.90	5.80	95.0
12...	1107	80513	80513	300	3.20	6.40	133
12...	1108	80513	80513	300	4.30	8.60	171
12...	1109	80513	80513	300	4.20	8.40	209
12...	1110	80513	80513	300	4.30	8.60	247
12...	1111	80513	80513	300	4.20	8.40	285

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
12...	1104	37	6.2	9.5	7.0	61	769
12...	1105	37	6.1	9.5	7.0	61	769
12...	1106	37	6.1	9.5	7.0	61	769
12...	1107	37	6.1	9.5	6.9	60	769
12...	1108	37	6.0	9.5	7.0	61	769
12...	1109	37	6.0	9.5	6.9	60	769
12...	1110	37	6.0	9.5	7.0	61	769
12...	1111	37	6.0	9.5	7.0	61	769

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN									
22...	1130	80513	80513	40	6.6	768	7.0	11.6	94
MAR									
19...	1228	80513	80513	40	7.4	764	8.5	12.5	107
AUG									
20...	1100	80513	80513	42	7.3	764	14.5	10.9	107
SEP									
19...	1226	80513	80513	39	7.9	760	16.0	11.5	116

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.2	---	---	7.4	5.2	6.1	5.9	5.1	5.5	---	---	---
2	10.0	6.4	7.8	7.4	4.3	6.0	5.4	4.9	5.1	---	---	---
3	8.1	5.0	6.9	7.1	4.4	6.1	5.8	4.7	5.1	---	---	---
4	8.6	4.6	6.5	7.0	5.3	6.3	5.8	4.7	5.3	---	---	---
5	7.8	4.9	6.3	6.9	5.9	6.3	6.3	4.7	5.2	---	---	---
6	---	---	---	6.5	5.7	6.0	7.3	4.9	5.5	---	---	---
7	---	---	---	7.8	5.7	6.6	7.3	4.2	5.8	---	---	---
8	---	---	---	6.9	5.9	6.4	5.6	4.6	5.0	---	---	---
9	---	---	---	8.2	5.9	6.9	8.4	5.0	6.2	---	---	---
10	---	---	---	7.0	5.7	6.1	8.1	4.8	6.6	---	---	---
11	---	---	---	7.9	6.0	7.2	7.3	4.8	5.8	---	---	---
12	---	---	---	7.0	5.9	6.3	7.7	4.4	6.1	---	---	---
13	9.3	4.9	7.3	6.9	5.9	6.2	5.1	4.2	4.5	---	---	---
14	8.9	6.5	7.7	7.0	5.7	6.2	5.1	4.2	4.5	---	---	---
15	8.8	5.3	7.5	6.6	5.5	5.9	5.1	4.3	4.6	---	---	---
16	8.6	6.3	7.2	8.2	5.5	6.2	5.8	4.4	4.9	---	---	---
17	8.5	6.2	7.0	8.2	4.8	7.1	7.0	4.2	5.2	---	---	---
18	8.4	6.1	6.9	6.6	5.6	6.0	5.6	4.5	5.1	---	---	---
19	8.5	6.1	7.1	6.6	5.4	5.9	9.5	4.8	6.4	---	---	---
20	8.8	6.4	7.3	6.5	5.4	5.8	9.9	6.4	8.6	---	---	---
21	8.3	5.1	6.6	7.9	5.5	6.4	9.4	6.3	7.7	---	---	---
22	8.4	6.1	6.9	6.3	5.4	5.9	9.4	6.6	8.2	---	---	---
23	8.1	4.8	6.5	7.0	5.5	6.2	9.4	6.6	8.2	---	---	---
24	8.6	6.4	7.3	7.1	5.6	6.0	9.6	6.8	8.4	---	---	---
25	9.0	6.3	7.3	7.7	4.7	5.9	9.7	7.0	7.8	---	---	---
26	---	---	---	7.7	4.5	6.1	10.7	7.3	8.8	---	---	---
27	---	---	---	7.3	4.8	6.3	10.7	7.8	9.6	---	---	---
28	---	---	---	6.4	5.5	6.0	9.8	8.3	9.1	---	---	---
29	---	---	---	6.2	5.5	5.8	---	---	---	---	---	---
30	---	---	---	6.3	5.3	5.8	7.7	6.6	7.3	---	---	---
31	---	---	---	---	---	---	6.7	6.0	6.3	---	---	---

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.4	10.6	11.3	9.4	8.2	8.9	11.2	9.4	10.4	9.3	8.5	8.8
2	12.4	10.5	11.0	9.6	8.2	8.8	11.8	9.4	10.3	9.5	8.3	8.9
3	---	---	---	9.6	8.2	8.7	11.3	9.5	10.5	9.1	8.4	8.8
4	11.4	10.5	10.8	10.1	8.5	9.0	11.3	9.4	10.0	10.2	8.2	8.9
5	11.3	10.3	10.8	9.3	8.4	8.8	11.7	9.7	10.5	10.5	8.5	9.2
6	11.2	10.3	10.6	9.6	8.5	8.8	11.6	9.1	10.0	13.2	8.8	9.9
7	12.2	10.2	11.0	10.0	8.6	9.0	10.2	9.4	9.9	13.6	9.8	12.0
8	10.9	10.1	10.5	10.2	8.5	9.2	11.0	9.8	10.2	10.1	8.5	9.3
9	10.7	9.9	10.2	9.9	9.0	9.4	10.1	9.4	9.9	9.4	8.3	8.8
10	12.0	9.8	10.3	9.9	9.0	9.4	10.2	9.5	9.9	10.0	8.6	9.1
11	---	---	---	10.7	8.9	9.5	10.6	9.7	10.0	---	---	---
12	11.4	9.8	10.1	10.5	9.0	9.5	11.3	9.7	10.2	---	---	---
13	---	---	---	10.6	9.2	9.7	10.2	9.5	10.0	10.1	8.6	9.2
14	10.9	9.8	10.3	10.1	9.0	9.6	10.1	9.3	9.9	10.4	8.7	9.4
15	12.2	10.0	10.8	10.7	9.2	9.7	10.6	9.4	9.9	10.6	8.5	9.3
16	11.7	10.3	10.9	10.0	9.2	9.6	10.0	9.5	9.9	10.1	8.6	9.1
17	11.7	10.2	10.8	11.6	9.3	10.0	10.0	9.5	9.9	9.9	8.7	9.1
18	11.9	10.1	10.6	10.3	9.3	9.8	10.2	9.5	9.9	10.3	8.2	9.0
19	11.3	10.0	10.4	10.9	9.4	9.9	10.1	9.3	9.8	10.5	8.2	9.1
20	11.8	10.0	10.5	11.2	9.8	10.3	10.7	8.8	9.9	10.3	8.6	9.1
21	10.8	10.0	10.3	10.9	10.0	10.4	9.5	8.5	9.0	9.9	8.3	9.0
22	11.7	10.1	10.5	11.7	9.7	10.6	10.4	8.7	9.3	10.3	8.6	9.1
23	11.9	10.1	11.1	---	---	---	11.2	9.0	10.0	10.0	8.0	8.9
24	12.2	10.0	11.4	10.7	10.0	10.3	11.0	9.0	9.8	10.1	8.0	8.9
25	11.9	10.1	11.1	10.6	9.7	10.1	9.9	8.4	9.1	10.3	8.5	9.2
26	12.0	10.2	10.9	12.3	9.9	10.7	9.4	8.4	8.8	10.3	8.0	8.9
27	11.8	8.5	9.8	11.9	9.7	10.5	10.5	8.4	9.5	10.3	7.9	9.2
28	9.7	8.2	8.7	11.4	9.8	10.4	10.1	8.7	9.5	10.4	7.9	9.8
29	9.8	8.3	9.2	11.0	9.9	10.4	10.0	8.8	9.3	10.2	7.6	9.0
30	10.0	8.4	9.3	11.7	9.6	10.6	9.4	8.5	9.0	9.9	7.6	8.7
31	---	---	---	11.4	10.1	10.6	10.1	8.6	8.9	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.7	---	---	10.2	8.7	9.4	9.7	8.1	8.7	---	---	---
2	10.5	8.9	9.4	10.3	8.7	9.3	8.8	8.4	8.6	---	---	---
3	11.6	8.9	9.7	10.3	7.9	9.1	9.5	8.5	8.9	---	---	---
4	11.9	8.7	9.6	10.1	8.2	8.9	9.4	8.2	8.6	---	---	---
5	11.4	8.8	9.7	9.1	8.3	8.5	9.6	8.3	8.7	---	---	---
6	10.2	8.5	9.3	8.6	8.3	8.5	9.5	8.0	8.4	---	---	---
7	11.1	8.6	9.7	10.2	8.4	9.1	9.5	8.0	8.8	---	---	---
8	11.0	8.4	9.4	9.5	7.9	8.5	9.0	8.0	8.3	---	---	---
9	11.1	8.4	9.3	10.2	8.0	9.0	10.1	8.0	9.8	---	---	---
10	11.3	8.5	9.5	9.4	8.7	9.0	9.8	9.4	9.6	---	---	---
11	10.5	8.4	9.2	9.4	7.8	8.4	9.7	8.8	9.5	---	---	---
12	11.0	8.7	9.7	9.5	7.8	8.4	9.4	8.7	9.2	---	---	---
13	10.0	8.7	9.3	8.8	8.2	8.4	9.3	8.7	8.9	---	---	---
14	10.8	8.5	9.5	9.4	7.9	8.4	9.8	8.7	9.1	---	---	---
15	11.1	8.4	9.5	8.6	8.2	8.3	9.6	8.8	9.1	---	---	---
16	11.3	8.5	9.5	9.5	8.2	8.7	9.8	8.5	8.9	---	---	---
17	11.3	8.5	9.5	9.8	8.7	9.5	8.7	8.4	8.5	---	---	---
18	11.1	8.5	9.4	10.0	8.3	8.9	9.0	8.7	8.8	---	---	---
19	11.4	8.5	9.6	9.9	8.2	8.7	9.5	8.2	8.7	---	---	---
20	10.5	8.4	9.2	9.6	8.3	8.7	9.6	9.3	9.4	---	---	---
21	11.1	8.3	9.7	10.1	8.2	9.0	9.4	9.2	9.3	---	---	---
22	11.0	8.4	9.3	9.1	8.2	8.6	9.3	9.2	9.3	---	---	---
23	10.0	8.7	9.5	9.6	8.4	8.8	9.3	9.2	9.2	---	---	---
24	10.8	8.4	9.5	9.6	7.9	8.5	9.2	9.1	9.2	---	---	---
25	10.1	8.2	9.0	10.0	9.5	9.8	9.2	9.0	9.1	---	---	---
26	8.8	6.1	7.4	10.0	9.7	9.9	9.1	9.0	9.0	---	---	---
27	6.7	5.9	6.3	10.7	8.3	9.8	9.0	8.4	8.8	---	---	---
28	6.9	6.1	6.6	8.4	8.0	8.2	9.2	8.1	8.5	---	---	---
29	7.0	6.1	6.6	9.4	7.9	8.4	---	---	---	---	---	---
30	6.8	6.3	6.6	9.4	8.0	8.5	8.2	7.2	8.0	---	---	---
31	9.5	6.6	8.2	---	---	---	8.6	8.1	8.4	---	---	---
MONTH	11.9	---	---	10.7	7.8	8.8	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	11.3	7.9	9.0	9.9	8.1	8.9	11.5	8.4	9.2
2	---	---	---	8.3	8.0	8.1	10.4	8.2	8.6	11.2	8.4	9.2
3	---	---	---	11.4	8.0	8.8	10.9	8.2	9.0	10.4	8.4	9.1
4	11.6	7.7	8.9	10.5	7.9	8.8	11.6	8.4	9.0	10.6	8.4	8.8
5	11.9	7.6	8.6	11.9	8.0	9.1	12.4	8.2	9.1	10.7	8.3	8.9
6	10.1	7.7	8.4	12.1	8.1	9.0	11.0	8.2	8.8	11.2	8.2	9.0
7	9.1	7.5	8.2	11.7	8.0	9.0	10.9	8.2	8.8	11.1	8.1	9.0
8	10.7	7.4	8.3	11.8	8.1	8.8	10.7	8.3	8.7	9.5	8.3	8.7
9	10.0	7.4	8.3	11.0	8.0	8.8	11.7	8.3	8.9	12.0	8.4	9.1
10	8.1	7.7	7.9	12.2	8.0	9.0	11.3	8.2	9.0	11.0	8.3	8.9
11	9.0	7.6	8.1	10.0	8.1	8.8	10.7	8.3	9.0	---	---	---
12	11.1	7.8	9.0	10.1	8.0	8.5	11.7	8.3	9.1	---	---	---
13	---	---	---	11.8	7.9	8.9	11.2	8.2	8.8	10.9	8.1	8.8
14	12.1	7.9	9.1	10.6	8.0	8.7	11.8	8.1	8.9	10.7	8.0	9.0
15	10.6	7.8	8.6	12.3	8.1	9.2	9.5	8.2	8.5	9.3	8.3	8.6
16	11.2	7.7	8.7	11.5	8.0	8.8	11.4	8.2	8.8	11.4	8.5	9.3
17	11.1	7.8	8.6	11.8	8.1	8.8	10.5	8.2	9.1	11.2	8.2	9.0
18	10.9	7.8	8.5	11.6	8.1	8.9	9.9	8.4	8.9	11.3	8.1	8.8
19	11.6	8.0	9.1	11.3	8.1	8.8	11.1	8.4	8.9	10.7	8.1	8.6
20	10.3	8.0	8.4	11.4	8.1	9.1	10.8	8.3	8.7	10.7	8.2	8.9
21	8.9	8.0	8.2	11.0	8.1	9.0	12.4	8.4	9.5	11.4	8.2	9.1
22	11.7	7.8	9.0	11.4	8.1	8.9	11.7	8.4	9.2	11.5	8.0	9.0
23	8.4	7.8	8.1	10.4	8.1	8.9	11.1	8.3	8.8	11.3	8.0	8.8
24	8.3	7.9	8.1	12.1	8.3	9.7	12.3	8.3	9.3	10.8	8.2	8.9
25	9.3	8.0	8.4	11.5	8.3	9.4	11.9	8.5	9.6	10.2	8.0	8.6
26	10.0	7.9	8.5	11.7	8.2	9.2	10.9	8.5	9.2	9.4	8.3	8.7
27	10.7	7.9	8.9	10.5	8.0	9.3	9.6	8.2	8.8	8.9	8.5	8.8
28	12.0	7.9	8.9	11.0	8.2	9.4	12.4	8.3	9.2	10.6	8.5	8.9
29	11.1	7.9	8.9	11.5	8.2	9.7	11.6	8.2	9.0	8.9	8.0	8.6
30	11.6	7.9	8.9	10.5	8.1	9.2	11.7	8.3	9.4	10.6	8.5	9.0
31	---	---	---	11.3	8.2	9.3	11.3	8.4	9.3	---	---	---

07076620 LITTLE RED RIVER NEAR SEARCY

LOCATION.--Lat 35°16'57", long 91°43'09", in NE1/4NE1/4 sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy, and at mile 31.7.

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

PERIOD OF RECORD.--May 1983 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft above sea level. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Records poor. Flow regulated since Mar. 30, 1962, by Greers Ferry Lake 47.1 mi upstream, capacity, 2,926,500 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	84	112	334	934	670	1190	1330	4020	1420	804	693
2	301	422	117	456	531	603	1140	4420	4020	2250	753	868
3	351	628	107	998	588	530	768	e2300	3600	3320	1880	840
4	459	827	106	927	527	1260	650	e5400	1160	1570	1150	691
5	575	531	103	751	348	820	566	e3000	404	746	780	2110
6	495	166	101	639	314	605	508	e2000	1050	838	1540	1530
7	1280	130	115	542	321	822	461	e1700	2050	1150	2650	1270
8	577	433	805	468	500	1150	427	e1800	2460	782	1940	1480
9	249	361	566	720	364	1220	399	e2000	2470	1660	1770	1500
10	250	446	3810	510	326	644	365	e2300	2480	953	1250	844
11	322	75	3910	392	296	424	347	e1400	4330	768	891	1810
12	1600	83	2170	391	282	384	407	e900	3420	584	687	3350
13	1230	135	1300	389	269	526	1030	e1100	2130	969	716	1110
14	1050	68	343	386	262	381	1440	e650	1650	806	1140	232
15	437	119	188	354	255	458	2490	e1200	952	668	1140	388
16	206	115	152	330	242	361	2220	e2100	726	552	1780	251
17	238	158	177	320	242	305	1630	e2500	756	1340	1080	216
18	114	643	2200	429	242	315	1290	e1500	1650	2160	861	352
19	62	302	2260	900	269	513	1100	e900	2890	2360	596	472
20	60	216	2550	820	481	603	1560	e650	2260	2330	918	999
21	61	143	3580	691	605	942	1890	e880	3010	922	2210	718
22	469	529	4660	628	483	6070	2180	1220	4280	712	1540	160
23	227	349	5060	633	434	1550	4210	1660	1500	1440	1520	268
24	758	118	4780	997	392	570	6240	1440	4860	1120	1080	2230
25	467	219	4180	1030	351	889	2950	1990	3320	829	821	1600
26	199	1670	3690	883	332	1030	237	1820	1350	2460	694	686
27	127	2300	2970	767	336	919	.00	2700	1980	1210	876	3240
28	148	588	1800	650	706	1330	.00	3380	2540	881	1110	6750
29	95	207	479	590	792	1590	754	3840	1270	907	1030	4680
30	68	140	317	544	---	1360	416	3820	1330	1140	1210	3830
31	59	---	314	495	---	1350	---	4180	---	869	935	---
TOTAL	12954	12205	53022	18964	12024	30194	38865.00	66080	69918	39716	37352	45168
MEAN	418	407	1710	612	415	974	1295	2132	2331	1281	1205	1506
MAX	1600	2300	5060	1030	934	6070	6240	5400	4860	3320	2650	6750
MIN	59	68	101	320	242	305	.00	650	404	552	596	160
AC-FT	25690	24210	105200	37620	23850	59890	77090	131100	138700	78780	74090	89590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1996, BY WATER YEAR (WY)

MEAN	954	1351	3319	3589	3986	4385	4019	2699	2200	1777	1356	826
MAX	2668	2813	7829	7526	8764	8195	6600	5116	3921	4968	3569	1988
(WY)	1985	1989	1992	1985	1985	1990	1991	1990	1990	1990	1985	1985
MIN	165	211	209	612	415	974	1295	506	641	542	366	250
(WY)	1984	1990	1987	1996	1996	1996	1996	1988	1987	1989	1989	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	721288.00		436462.00			
ANNUAL MEAN	1976		1193		2506	
HIGHEST ANNUAL MEAN					3881	1985
LOWEST ANNUAL MEAN					1213	1996
HIGHEST DAILY MEAN	12300	Jan 19	6750	Sep 28	28400	Nov 27 1984
LOWEST DAILY MEAN	.00	Feb 4	.00	Apr 27	.00	Oct 31 1984
ANNUAL SEVEN-DAY MINIMUM	108	Nov 11	108	Nov 11	.00	May 4 1988
INSTANTANEOUS PEAK FLOW			8900	Sep 27	35300	Nov 27 1984
INSTANTANEOUS PEAK STAGE			19.70	May 2	39.14	Dec 22 1990
INSTANTANEOUS LOW FLOW			[a].00	Apr 27-28	[a].00	at times
ANNUAL RUNOFF (AC-FT)	1431000		865700		1816000	
10 PERCENT EXCEEDS	4650		2760		6050	
50 PERCENT EXCEEDS	1280		804		1500	
90 PERCENT EXCEEDS	163		204		222	

[a]Caused by backwater from White River
[e]Estimated

07077000 WHITE RIVER AT DEVALLS BLUFF

LOCATION.--Lat 34°47'25", long 91°26'45", in SE1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,431 mi^2.

PERIOD OF RECORD.--October 1927 to September 1945 (large part of floodflow above station overflowed into Cache River and was not included in the records), October 1949 to September 1970, October 1988 to current year. Monthly discharge only for some periods, published in WSP 1311. Daily stages for the period October 1970 to date published in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 152.93 ft above sea level. Prior to Dec. 22, 1933, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, since Mar. 30, 1962, by Greers Ferry Lake, capacity, 2,926,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

COOPERATION.--Gage-height record was provided by the U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 23, 1927 reached a stage of 34.6 ft. Flood of Feb. 3, 1949, reached a stage of 31.35 ft, discharge, 220,000 ft^3/s by current-meter measurement, furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13500	e9000	e8400	12300	16700	10700	17800	35100	31300	13400	10500	9620
2	13600	e8400	e10000	11800	16700	12000	18800	35000	31400	13800	10800	9630
3	13600	e8500	e10900	11600	17700	14400	19700	35400	31300	14300	11800	9700
4	13300	e9600	e10500	11500	19000	15200	20200	35600	30800	14500	13000	9120
5	12600	e10800	e9600	11700	18800	14700	20500	35500	29800	14200	13700	8290
6	12000	e12000	8500	12200	17800	13700	20300	35400	28500	13700	13500	8010
7	12100	e12700	7650	12600	16700	12500	19800	35200	28600	12900	12700	8760
8	12300	e12800	7380	12700	15800	12500	18900	35200	29400	11900	12000	10300
9	12500	e12700	7990	12600	15200	14400	17700	35200	30200	10900	11900	11600
10	12600	e12300	8990	12300	14700	16900	16500	34900	30500	10300	12600	12400
11	12100	e12000	10500	12100	14100	18700	15500	35600	29900	10200	13500	11900
12	11100	e12100	11600	12000	13400	17900	14900	36100	29400	10000	13300	10900
13	10500	e12100	11500	11900	13000	16000	14700	35800	29000	9620	12300	10100
14	10700	e11800	10600	11700	12600	14200	14900	35400	28200	9270	11100	10400
15	11000	e11700	9560	11400	12000	12800	15100	34700	27100	9330	9860	10600
16	11200	e11600	8960	11100	11800	11700	15600	33900	25800	9320	9050	10400
17	11000	e11500	8740	11000	11900	10900	16400	33500	24400	9540	9350	9800
18	10600	e12300	9230	10900	11700	10300	17200	33200	22600	9730	10700	8970
19	9920	e13300	10500	10800	12300	9890	17600	33000	20500	9970	11700	8500
20	9260	e13700	13200	10900	13700	9630	17600	32400	18600	10600	11900	8610
21	8910	e12900	16600	11300	14200	9490	17600	31800	17000	11400	11400	8920
22	8730	e11500	20300	12800	14000	10100	17400	31400	16500	12200	11000	9140
23	8720	e10600	22600	14600	13400	12500	17200	31300	16700	12400	11500	9050
24	9040	e9800	23400	15600	12800	13500	17700	31300	16400	12000	12500	8870
25	9400	e10000	22500	15500	12300	13400	20700	31200	16700	11300	13300	8680
26	9350	e10100	20700	15500	11800	12900	26000	30900	16400	10700	13400	8770
27	e8800	e10700	18800	16100	11300	12500	30300	30500	15200	11400	12900	9270
28	e9000	e11300	17000	17500	11000	12400	32800	31500	14300	12400	12000	9930
29	e9300	e11100	15500	18300	10700	13400	34500	31800	14000	12300	10900	12700
30	e9400	e10000	14100	18200	---	14900	35100	31600	13400	11700	10200	19200
31	e9400	---	13100	17500	---	16400	---	31300	---	11000	9790	---
TOTAL	335530	338900	398900	408000	407100	410510	599000	1040700	713900	356280	364150	302140
MEAN	10820	11300	12870	13160	14040	13240	19970	33570	23800	11490	11750	10070
MAX	13600	13700	23400	18300	19000	18700	35100	36100	31400	14500	13700	19200
MIN	8720	8400	7380	10800	10700	9490	14700	30500	13400	9270	9050	8010
AC-FT	665500	672200	791200	809300	807500	814200	1188000	2064000	1416000	706700	722300	599300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

MEAN	12090	16260	24150	31710	37240	39950	42490	43840	27100	20090	16170	13040
MAX	30100	48890	67180	110000	107100	73060	75360	90730	73590	48560	48900	36450
(WY)	1950	1958	1952	1950	1950	1989	1957	1957	1957	1951	1957	1950
MIN	3715	3831	5260	6042	7974	13240	13230	10840	10110	7822	7112	4276
(WY)	1955	1955	1955	1964	1964	1996	1963	1963	1964	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	9921430		5675110			
ANNUAL MEAN	27180		15510		26960	
HIGHEST ANNUAL MEAN					51270	1950
LOWEST ANNUAL MEAN					12230	1963
HIGHEST DAILY MEAN	51200	Jan 29	36100	May 12	154000	Jan 19 1950
LOWEST DAILY MEAN	7380	Dec 8	7380	Dec 8	3230	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	8660	Dec 4	8660	Dec 4	3290	Sep 26 1954
INSTANTANEOUS PEAK FLOW			36200	May 12	154000	Jan 19-22 1950
INSTANTANEOUS PEAK STAGE			17.99	May 12	28.42	Jan 20-21 1950
INSTANTANEOUS LOW FLOW			7280	Dec 8	3230	[a]Sep 29 1954
ANNUAL RUNOFF (AC-FT)	19680000		11260000		19530000	
10 PERCENT EXCEEDS	43000		30800		54900	
50 PERCENT EXCEEDS	29100		12500		19900	
90 PERCENT EXCEEDS	10500		9310		8040	

[a]Also Sept. 30 to Oct. 1, and Oct. 29, 1954
[e]Estimated

07077380 CACHE RIVER AT EGYPT

LOCATION.--Lat 35°51'28", long 90°56'00", in NW1/4SE1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft above sea level (levels by U.S. Army Corps of Engineers).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	128	42	e240	53	e300	e680	e120	e330	154	2300	272
2	12	344	43	e600	38	e560	e590	e150	e240	150	2190	289
3	23	324	41	1440	35	e450	e410	e115	e180	121	1310	308
4	17	189	28	1400	44	e360	241	e95	e140	120	549	285
5	14	104	16	e1200	28	e310	158	e80	e110	140	325	263
6	8.5	74	12	e940	23	e350	110	e72	e100	145	221	228
7	11	1310	14	581	38	e300	74	e90	e150	157	163	187
8	9.6	2640	20	383	64	e248	64	e250	e250	221	148	186
9	6.8	1900	21	276	60	e200	61	e1300	e400	333	298	295
10	4.0	844	15	199	e75	e170	47	e2100	e700	305	439	409
11	2.5	1700	18	280	e90	e140	39	e2400	e520	206	403	342
12	1.7	2490	24	833	e105	e115	35	e1700	e400	179	386	266
13	1.1	2120	24	1040	e112	e98	77	e1400	e310	180	346	208
14	.88	1310	27	989	e100	e130	62	e1100	e240	195	286	155
15	.66	619	55	923	e95	e95	62	e830	e200	339	238	142
16	.35	407	51	867	e110	e65	50	e580	e170	416	206	701
17	.06	317	42	825	e130	e40	48	e350	e115	347	212	1770
18	.00	228	e540	789	e150	e25	34	e200	e100	224	243	1900
19	.00	161	e1500	952	e120	e24	31	e120	e95	150	237	1390
20	.00	105	3170	1040	e110	e26	82	e78	e90	114	226	991
21	.00	78	e2700	1020	e100	e28	186	e55	e115	119	237	747
22	.00	66	2160	1000	e95	e29	698	e38	166	242	248	732
23	.00	202	e1300	985	e90	e26	1280	e30	159	548	291	495
24	.00	565	433	1500	e85	e28	1880	21	152	586	308	336
25	.00	421	e330	1870	e80	e40	1980	21	145	502	316	258
26	.00	246	183	1560	e75	e110	1150	19	138	462	302	231
27	1300	156	e140	898	e100	e200	398	18	132	375	317	465
28	2520	106	98	464	e130	e250	204	142	126	290	283	1260
29	1310	71	85	286	e200	e454	e150	244	120	252	267	1390
30	483	55	e81	200	---	e680	e100	361	135	675	259	929
31	228	---	e80	147	---	e840	---	461	---	1540	256	---
TOTAL	5968.15	19280	13293	25727	2535	6691	10981	14540	6228	9787	13810	17430
MEAN	193	643	429	830	87.4	216	366	469	208	316	445	581
MAX	2520	2640	3170	1870	200	840	1980	2400	700	1540	2300	1900
MIN	.00	55	12	147	23	24	31	18	90	114	148	142
AC-FT	11840	38240	26370	51030	5030	13270	21780	28840	12350	19410	27390	34570
CFSM	.27	.92	.61	1.18	.12	.31	.52	.67	.30	.45	.64	.83
IN.	.32	1.02	.71	1.37	.13	.36	.58	.77	.33	.52	.73	.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	347	761	1314	1316	1263	1133	1306	1125	471	407	352	463
MAX	2437	2882	3547	4249	3552	3481	4759	4256	1177	1528	1100	1637
(WY)	1985	1973	1983	1991	1989	1989	1979	1973	1989	1976	1975	1965
MIN	12.5	8.23	45.0	11.8	65.0	111	75.2	84.9	29.2	102	85.8	75.1
(WY)	1995	1990	1977	1981	1996	1996	1981	1987	1988	1968	1968	1971

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	232407.65		146270.15			
ANNUAL MEAN	637		400		853	
HIGHEST ANNUAL MEAN					1762	1973
LOWEST ANNUAL MEAN					299	1972
HIGHEST DAILY MEAN	4160	May 3	3170	Dec 20	7940	Apr 25 1973
LOWEST DAILY MEAN	.00	Oct 18	.00	Oct 18	.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 18	.00	Oct 18	.00	Oct 14 1991
INSTANTANEOUS PEAK FLOW			3180	Dec 20	8490	Jan 6 1966
INSTANTANEOUS PEAK STAGE			16.19	Dec 20	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	461000		290100		617900	
ANNUAL RUNOFF (CFSM)	.91		.57		1.22	
ANNUAL RUNOFF (INCHES)	12.33		7.76		16.53	
10 PERCENT EXCEEDS	2140		1270		2660	
50 PERCENT EXCEEDS	274		199		293	
90 PERCENT EXCEEDS	18		22		40	

eEstimated

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966, 1976-79, February 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
FEB 14.	0745	80513	80020	100	6.07	151	7.5	5.5	11.6	K60	K45

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
FEB 14.	0745	42	0	9.7	4.2	12	36	0.8	3.2	55	45

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
FEB 14.	0745	5.9	9.3	<0.10	8.3	88	80	23.8	0.12	0.110

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB 14.	0745	0.010	0.120	0.120	0.020	1.6	0.48	1.6	0.50	0.250

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14.	0745	0.040	0.030	6.9	>4.0	140	8.0	185	50	99

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAR 13...	1100	80513	80020	98	6.05	166	7.6	8.5	11.1	140	<110
APR 09...	1410	80513	80020	68	5.72	111	7.6	12.0	11.2	--	--
MAY 07...	1700	80513	80020	90	5.98	100	7.4	22.5	7.7	--	--

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
MAR 13...	1100	51	0	12	5.1	11	30	0.7	3.7	--	66
APR 09...	1410	31	0	7.0	3.2	8.4	35	0.7	2.6	54	60
MAY 07...	1700	28	0	6.6	2.7	6.4	31	0.5	3.0	--	34

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
MAR 13...	1100	55	7.9	7.6	0.10	7.0	100	89	26.5	0.14	0.480
APR 09...	1410	54	8.5	6.7	0.20	9.1	71	77	13.0	0.10	--
MAY 07...	1700	30	8.0	5.6	0.10	8.8	62	61	15.1	0.08	0.570

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
MAR 13...	1100	0.020	0.500	0.500	0.110	1.4	0.49	1.5	0.60	0.280
APR 09...	1410	<0.010	0.280	0.280	<0.015	1.0	--	1.0	0.40	0.210
MAY 07...	1700	0.020	0.590	0.590	0.050	1.4	0.35	1.4	0.40	0.380

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
MAR 13...	1100	0.050	0.030	7.7	5.3	16	15	223	59	99
APR 09...	1410	0.040	0.020	5.2	3.8	15	7.0	123	23	94
MAY 07...	1700	0.040	0.040	5.5	4.6	41	9.0	265	64	98

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 17.	1045	80513	80020	115	6.36	254	7.9	28.5	6.4	87

DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUN 17.	1045	0	21	8.3	16	28	0.7	3.5	110	91

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUN 17.	1045	16	8.4	0.30	14	159	147	49.4	0.22	0.960

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUN 17.	1045	0.140	1.10	1.10	0.020	1.4	0.68	1.4	0.70	0.170

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
JUN 17.	1045	<0.010	0.020	6.3	2.1	16	25	131	41	97

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUL 23.	1430	80513	80020	632	9.50	297	7.7	27.0	4.5	110

DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUL 23.	1430	0	28	10	14	21	0.6	2.8	143	118

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	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 DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUL 23.	1430	15	6.9	0.20	17	182	168	311	0.25	0.630

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUL 23.	1430	0.110	0.740	0.740	0.270	1.7	0.73	2.0	1.0	0.340

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
JUL 23.	1430	0.070	0.090	4.9	2.1	8.0	13	400	683	96

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 21...	0710	80513	80020	238	7.30	451	7.9	27.5	4.3	190

DATE	TIME	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
AUG 21...	0710	0	49	16	22	20	0.7	2.4	246	201

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
AUG 21...	0710	17	11	0.20	25	275	264	177	0.37	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG 21...	0710	0.060	0.060	<0.015	0.50	0.50	0.30	0.110	0.060

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
21...	0710	0.080	4.0	1.0	<3.0	2.3	108	69	98

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
SEP 18.	0755	80513	80020	1980	13.44	232	8.2	20.0	5.1	79

DATE	TIME	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
SEP 18.	0755	1	20	7.1	13	24	0.6	7.5	95	81

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
SEP 18.	0755	10	13	0.10	15	141	134	754	0.19	0.300

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
SEP 18.	0755	0.010	0.310	0.310	0.060	1.1	0.54	1.2	0.60	0.290

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 18.	0755	0.120	0.150	7.5	2.7	30	10	190	1020	98

07077500 CACHE RIVER AT PATTERSON

LOCATION.--Lat 35°16'10", long 91°14'15", in SE1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi^2.

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

REMARKS.--Discharge computed by U. S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
16...	1210	80513	80513	110	1.00	2.00	498
16...	1211	80513	80513	110	2.50	5.00	--
16...	1213	80513	80513	110	3.50	7.00	--
16...	1214	80513	80513	110	4.00	8.00	--
16...	1216	80513	80513	110	5.00	10.0	--
16...	1217	80513	80513	110	5.00	10.0	--
16...	1219	80513	80513	110	5.00	10.0	--
16...	1220	80513	80513	110	3.50	7.00	--
16...	1222	80513	80513	110	3.00	6.00	--
16...	1223	80513	80513	110	2.00	4.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
16...	1210	143	7.3	5.5	12.5	100	758
16...	1211	143	7.2	5.5	11.4	91	758
16...	1213	143	7.2	5.5	11.4	90	758
16...	1214	143	7.1	5.5	11.3	90	758
16...	1216	143	7.2	5.5	11.2	89	758
16...	1217	143	7.2	5.5	11.4	91	758
16...	1219	143	7.2	5.5	11.4	90	758
16...	1220	144	7.2	5.5	11.2	89	758
16...	1222	144	7.2	5.5	11.5	91	758
16...	1223	144	7.2	5.5	11.2	89	758

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN										
26...	0820	80513	81213	828	125	7.1	758	4.0	10.7	82
FEB										
14...	1045	80513	81213	144	159	7.1	756	6.0	10.1	82
APR										
03...	1055	80513	81213	577	114	7.2	763	12.5	8.3	78
25...	1015	80513	81213	407	124	7.4	756	19.0	6.2	67
JUN										
04...	0950	80513	81213	1500	120	7.9	765	21.0	5.5	62
AUG										
12...	1200	80513	81213	405	338	7.3	754	26.5	5.5	69

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN										
26...	0820	K220	K110	1700	34	7.8	3.4	10	36	0.8
FEB										
14...	1045	130	K72	200	47	11	4.6	11	32	0.7
APR										
03...	1055	280	340	910	31	7.4	3.0	7.6	32	0.6
25...	1015	500	K230	630	37	9.0	3.5	7.9	29	0.6
JUN										
04...	0950	420	420	1500	--	9.0	--	7.1	--	--
AUG										
12...	1200	K89	K67	K140	140	36	12	16	20	0.6

07077500 CACHE RIVER AT PATTERSON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
JAN										
26...	0820	3.6	33	11	8.1	0.10	9.9	80	76	0.11
FEB										
14...	1045	4.1	23	11	9.5	0.10	9.5	116	76	0.16
APR										
03...	1055	3.2	36	9.2	6.4	0.10	6.6	84	70	0.11
25...	1015	3.5	35	8.8	6.7	0.20	7.9	86	72	0.12
JUN										
04...	0950	3.9	41	11	5.9	0.10	9.8	92	--	--
AUG										
12...	1200	3.1	14	15	8.3	0.20	22	218	123	0.30

DATE	TIME	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JAN										
26...	0820	179	0.310	0.310	1.4	0.010	0.03	0.320	0.320	0.060
FEB										
14...	1045	45.1	0.210	0.210	0.93	0.010	0.03	0.220	0.220	0.210
APR										
03...	1055	131	0.910	0.910	4.0	0.020	0.07	0.930	0.930	0.130
25...	1015	94.5	0.420	0.420	1.9	0.010	0.03	0.430	0.430	0.070
JUN										
04...	0950	--	1.01	1.01	4.5	0.090	0.30	1.10	1.10	0.080
AUG										
12...	1200	238	0.400	--	--	<0.010	--	0.400	0.400	0.024

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
JAN										
26...	0820	0.08	0.51	0.57	0.89	0.050	0.15	20	34	<0.50
FEB										
14...	1045	0.27	0.49	0.70	0.92	0.030	0.09	20	48	<0.50
APR										
03...	1055	0.17	0.65	0.78	1.7	0.030	0.09	20	36	<0.50
25...	1015	0.09	0.55	0.62	1.0	0.510	1.6	30	45	<0.50
JUN										
04...	0950	0.10	0.60	0.68	1.8	0.060	0.18	26	48	<0.50
AUG										
12...	1200	0.03	0.39	0.41	0.81	0.070	0.21	41	120	<0.50

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
JAN										
26...	0820	<1.0	<5.0	<3.0	<10	140	<10	<4	4.0	<10
FEB										
14...	1045	<1.0	<5.0	<3.0	<10	34	<10	<4	44	<10
APR										
03...	1055	<1.0	<5.0	<3.0	<10	78	<10	<4	8.9	<10
25...	1015	<1.0	<5.0	<3.0	<10	40	<10	<4	15	<10
JUN										
04...	0950	<0.50	<1.0	<3.0	1.8	30	<1.0	1	7.3	<2.0
AUG										
12...	1200	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1	14	2.1

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN									
26...	0820	<10	<1.0	40	<6	<4.0	453	1010	99
FEB									
14...	1045	<10	<1.0	60	<6	<4.0	219	85	100
APR									
03...	1055	<10	<1.0	40	<6	<4.0	366	570	99
25...	1015	<10	<1.0	50	<6	<4.0	388	426	98
JUN									
04...	0950	1.2	<1.0	50	1	<1.0	221	892	98
AUG									
12...	1200	1.2	<1.0	170	3	<1.0	96	105	94

07077555 CACHE RIVER NEAR COTTON PLANT

LOCATION.--Lat 35°02'07", long 91°19'19", in SE1/4SW1/4 sec.21, T.5 N.,R.3 W., Woodruff County, Hydrologic Unit 08020302, on left bank on downstream side of bridge on county road, 1.4 mi upstream from Roaring Slough, and 4.2 mi northwest of Cotton Plant.

DRAINAGE AREA.--1,172 mi^2, of which an estimated 20 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1987 to current year.

REVISED RECORDS.--WRD ARKANSAS 1989: 1988(M).

GAGE.--Water-stage recorder. Datum of gage is 164.17 ft above sea level. Nonrecording gage Oct. 10, 1989 to Sept. 27, 1990 at same site and datum.

REMARKS.--Water-discharge records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	38	278	1530	1200	612	600	1100	147	163	523	323
2	511	93	278	1430	1260	547	635	1190	258	164	530	375
3	414	182	289	1270	1280	454	631	1190	442	170	556	412
4	313	286	283	1100	1280	366	629	1180	672	156	579	387
5	230	425	253	900	1260	315	627	1140	886	146	595	360
6	182	532	209	748	1110	314	600	1120	1050	151	624	338
7	181	585	167	684	901	335	601	1150	1130	151	694	326
8	190	585	139	616	775	340	582	e1200	1170	156	821	321
9	178	539	132	654	644	318	554	e1240	1230	166	974	317
10	152	480	119	763	487	275	525	e1310	1200	158	1050	309
11	125	458	103	894	333	227	474	e1360	1150	159	1040	299
12	104	496	92	987	227	193	404	1330	1120	166	963	286
13	86	584	87	1010	177	198	383	1250	1170	181	840	269
14	72	704	79	970	155	241	366	1150	1290	195	716	249
15	62	881	72	886	151	301	349	1030	1450	218	597	235
16	54	1060	67	782	159	341	351	926	1550	233	498	318
17	49	1180	67	685	174	333	340	845	1570	248	432	412
18	44	1290	100	645	183	291	299	819	1540	271	404	417
19	41	1410	150	672	207	273	243	860	e1430	291	393	407
20	37	1480	160	735	268	247	226	935	1330	310	384	408
21	34	1500	191	796	271	212	316	978	1170	333	370	428
22	31	1490	263	859	245	184	529	955	e1000	355	346	450
23	30	1450	386	862	228	166	700	877	826	397	325	493
24	30	1360	551	827	243	155	751	761	668	417	314	565
25	30	1220	747	797	314	187	759	620	505	409	306	636
26	32	1050	1020	819	414	221	707	450	367	406	303	720
27	38	872	1280	868	498	258	620	302	271	429	305	849
28	39	684	1490	913	585	298	591	310	203	467	316	959
29	36	491	1580	944	631	332	726	302	176	482	309	985
30	34	334	1610	1010	---	333	930	225	167	497	310	965
31	34	---	1590	1100	---	515	---	160	---	518	315	---
TOTAL	3999	23739	13832	27756	15660	9382	16048	28265	27138	8563	16732	13818
MEAN	129	791	446	895	540	303	535	912	905	276	540	461
MAX	606	1500	1610	1530	1280	612	930	1360	1570	518	1050	985
MIN	30	38	67	616	151	155	226	160	147	146	303	235
AC-FT	7930	47090	27440	55050	31060	18610	31830	56060	53830	16980	33190	27410
CFSM	.11	.68	.38	.76	.46	.26	.46	.78	.77	.24	.46	.39
IN.	.13	.75	.44	.88	.50	.30	.51	.90	.86	.27	.53	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	578	1067	2409	2628	2618	2069	1762	1295	644	684	552	467
MAX	2067	2626	4762	6779	5238	5759	3252	3595	1342	1413	953	748
(WY)	1991	1992	1994	1991	1989	1989	1991	1991	1989	1994	1992	1991
MIN	55.9	86.8	44.9	744	540	303	515	217	116	274	348	201
(WY)	1988	1990	1990	1990	1996	1996	1995	1987	1988	1990	1990	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	324610		204932			
ANNUAL MEAN	889		560		1409	
HIGHEST ANNUAL MEAN					2356	1989
LOWEST ANNUAL MEAN					560	1996
HIGHEST DAILY MEAN	3930	Jan 30	1610	Dec 30	9770	Dec 28 1987
LOWEST DAILY MEAN	30	Oct 23	30	Oct 23	25	Oct 22 1987
ANNUAL SEVEN-DAY MINIMUM	32	Oct 20	32	Oct 20	26	Oct 19 1987
INSTANTANEOUS PEAK FLOW			1610	Dec 30	9950	Dec 28 1987
INSTANTANEOUS PEAK STAGE			13.10	Dec 30	[a]20.22	Dec 28 1987
INSTANTANEOUS LOW FLOW			30	Oct 23-25	25	Oct 22 1987
ANNUAL RUNOFF (AC-FT)	643900		406500		1021000	
ANNUAL RUNOFF (CFSM)	.76		.48		1.20	
ANNUAL RUNOFF (INCHES)	10.30		6.50		16.33	
10 PERCENT EXCEEDS	2110		1190		3400	
50 PERCENT EXCEEDS	661		426		725	
90 PERCENT EXCEEDS	147		149		138	

[a]From floodmark
[e]Estimated

07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

WATER-QUALITY ECORDS

PERIOD OF RECORD.--April 1987 to September 1990, November 1992 to June 1993, October 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
FEB 14.	1410	80513	80020	152	5.09	173	7.3	7.5	9.3	140	110

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
FEB 14.	1410	58	1	15	5.1	9.5	25	0.5	3.9	70

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
FEB 14.	1410	57	8.7	8.1	<0.10	13	106	99	43.5	0.14

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS, (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB 14.	1410	<0.010	0.220	0.220	0.140	1.2	0.36	1.3	0.50	0.320

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14.	1410	0.040	0.030	5.8	>3.3	25	140	176	72	100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAR 13...	1445	80513	80020	202	5.55	178	7.4	11.0	9.6	95	88
APR 10...	0830	80513	80020	526	7.69	121	7.3	11.0	9.0	--	--
MAY 06...	0915	80513	80020	1120	10.78	119	7.0	22.5	4.8	550	--

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
MAR 13...	1445	--	59	0	15	5.2	10	26	0.6	3.6	75
APR 10...	0830	--	34	3	8.2	3.3	8.2	32	0.6	3.1	38
MAY 06...	0915	450	36	4	9.0	3.3	7.4	28	0.5	3.8	39

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
MAR 13...	1445	62	7.9	7.9	0.10	11	109	100	59.4	0.15	0.450
APR 10...	0830	31	9.1	6.1	0.20	7.8	79	67	112	0.11	--
MAY 06...	0915	33	8.9	6.2	0.10	10	82	70	248	0.11	0.370

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
MAR 13...	1445	0.020	0.470	0.470	0.060	1.2	0.44	1.3	0.50	0.320
APR 10...	0830	<0.010	0.590	0.590	0.020	1.7	0.48	1.7	0.50	0.430
MAY 06...	0915	0.010	0.380	0.380	0.070	1.5	0.53	1.6	0.60	0.460

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 13...	1445	0.060	0.040	6.5	4.0	45	110	186	101	99
APR 10...	0830	0.040	0.020	7.3	3.0	15	28	349	496	91
MAY 06...	0915	0.060	0.070	7.6	5.3	63	31	283	856	98

07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
JUN 17.	1430	80513	80020	1570	12.77	123	7.0	25.5	4.6	39
JUL 25.	0930	80513	80020	410	6.78	377	7.9	27.0	5.7	140

DATE	TIME	HARDNESS NONCARB DISSOLVED, AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUN 17.	1430	0	9.9	3.5	7.4	27	0.5	3.6	52	44
JUL 25.	0930	0	34	13	20	23	0.7	3.4	181	148

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
JUN 17.	1430	9.0	5.5	0.20	11	82	78	348	0.11	--
JUL 25.	0930	25	10	0.20	13	230	209	255	0.31	0.140

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
JUN 17.	1430	<0.010	0.440	0.440	0.040	1.1	0.36	1.1	0.40	0.260
JUL 25.	0930	0.020	0.160	0.160	0.040	1.1	0.36	1.1	0.40	0.130

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUN 17.	1430	0.040	0.060	7.2	3.1	23	22	157	666	97
JUL 25.	0930	0.020	0.040	5.5	2.0	5.0	62	98	108	92

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 19.	1015	80513	80020	393	6.66	362	7.7	26.5	4.3	150
SEP 16.	1050	80513	80020	306	6.06	407	8.0	22.5	6.5	160

DATE	TIME	HARDNESS NONCARB DISSOLVED, AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
AUG 19.	1015	0	37	13	17	20	0.6	3.0	184	150
SEP 16.	1050	0	42	14	21	22	0.7	3.4	222	181

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
AUG 19.	1015	17	9.2	0.20	20	221	208	235	0.30	<0.010
SEP 16.	1050	16	14	0.20	19	237	240	196	0.32	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG 19.	1015	0.100	0.100	<0.015	0.70	--	0.70	0.40	0.140	0.060
SEP 16.	1050	0.130	0.130	0.020	0.58	0.28	0.60	0.30	0.170	0.070

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 19.	1015	0.070	5.0	2.4	5.0	39	82	87	100
SEP 16.	1050	0.100	4.6	1.8	5.0	35	85	70	98

07077700 BAYOU DEVIEW AT MORTON

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV										
08...	0930	80513	81213	639	203	7.3	772	11.0	7.8	69

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
NOV										
08...	0930	>2000	>2000	64	16	5.9	8.8	20	0.5	8.5

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV										
08...	0930	50	20	14	0.10	8.2	120	115	0.16	207

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
NOV										
08...	0930	0.590	0.590	2.6	0.020	0.07	0.610	0.610	0.010	0.01

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
NOV										
08...	0930	0.45	0.46	1.1	0.160	0.49	30	53	<0.50	<1.0

DATE	TIME	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
NOV									
08...	0930	<5.0	<3.0	<10	29	<10	<4	22	<10

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
08...	0930	<10	<1.0	70	<6	<4.0	272	469	99

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
DEC							
04...	1050	80513	80513	200	0.30	0.60	270
04...	1052	80513	80513	200	0.30	0.60	250
04...	1053	80513	80513	200	0.50	1.00	230
04...	1057	80513	80513	200	0.60	1.20	210
04...	1059	80513	80513	200	0.70	1.40	190
04...	1100	80513	80513	200	0.50	1.00	170
04...	1101	80513	80513	200	0.70	1.40	150
04...	1103	80513	80513	200	0.70	1.40	130
04...	1105	80513	80513	200	0.40	0.80	110
04...	1106	80513	80513	200	0.20	0.40	90.0

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
04...	1050	227	6.5	9.5	5.6	49	769
04...	1052	230	6.6	9.5	5.6	49	769
04...	1053	227	6.7	9.5	5.6	48	769
04...	1057	229	6.7	9.5	5.4	47	769
04...	1059	228	6.7	9.5	5.5	48	769
04...	1100	228	6.8	9.5	5.8	51	769
04...	1101	228	6.8	9.5	5.8	50	769
04...	1103	229	6.8	9.5	6.0	52	769
04...	1105	243	6.8	10.0	6.2	55	769
04...	1106	228	6.8	10.0	6.3	56	769

07077700 BAYOU DEVIEW AT MORTON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN 16...	1310	80513	81213	108	199	7.8	758	6.0	10.1	81
FEB 28...	1315	80513	81213	455	180	7.0	760	13.5	6.8	65
MAY 01...	0945	80513	81213	998	103	7.1	759	16.0	5.4	55
JUN 06...	0920	80513	81213	95	216	7.1	762	24.0	3.4	40

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN 16...	1310	K230	K590	53	14	4.4	12	30	0.7	5.6
FEB 28...	1315	>2000	>10000	58	15	4.9	10	25	0.6	5.7
MAY 01...	0945	1600	3400	28	7.1	2.6	5.9	28	0.5	3.8
JUN 06...	0920	150	430	72	19	6.0	10	22	0.5	4.8

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
JAN 16...	1310	45	19	16	0.10	9.0	140	110	0.19	40.8
FEB 28...	1315	47	14	11	0.20	9.4	132	101	0.18	162
MAY 01...	0945	29	12	6.0	0.10	6.8	80	64	0.11	216
JUN 06...	0920	55	26	9.6	0.20	9.5	142	123	0.19	36.4

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
JAN 16...	1310	0.600	0.600	2.7	0.010	0.03	0.610	0.610	0.130	0.17
FEB 28...	1315	0.290	0.290	1.3	0.020	0.07	0.310	0.310	0.310	0.40
MAY 01...	0945	0.480	0.480	2.1	0.020	0.07	0.500	0.500	0.080	0.10
JUN 06...	0920	0.650	0.650	2.9	0.110	0.36	0.760	0.760	0.500	0.64

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
JAN 16...	1310	0.68	0.81	1.4	0.110	0.34	20	36	<0.50	<1.0
FEB 28...	1315	0.99	1.3	1.6	0.060	0.18	30	46	<0.50	<1.0
MAY 01...	0945	0.56	0.64	1.1	0.070	0.21	30	34	<0.50	<1.0
JUN 06...	0920	0.60	1.1	1.9	0.040	0.12	28	69	<0.50	<0.50

DATE	TIME	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
JAN 16...	1310	<5.0	<3.0	<10	52	<10	<4	40	<10
FEB 28...	1315	<5.0	<3.0	<10	66	<10	<4	19	<10
MAY 01...	0945	<5.0	<3.0	<10	80	<10	<4	13	<10
JUN 06...	0920	<1.0	<3.0	<1.0	8.0	<1.0	1	260	<2.0

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 16...	1310	<10	<1.0	50	<6	<4.0	218	64	94
FEB 28...	1315	<10	<1.0	60	<6	<4.0	194	238	99
MAY 01...	0945	<10	<1.0	30	<6	<4.0	473	1270	99
JUN 06...	0920	<1.0	<1.0	80	2	<1.0	243	62	99

07194800 ILLINOIS RIVER AT SAVOY

LOCATION.--Lat 36°06'11", long 94°20'39", in NW1/4SE1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of State Highway 16 bridge, at Savoy

DRAINAGE AREA.--167 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1430	80513	80513	13	305	8.5	726	19.0	8.5
JAN									
24...	1530	80513	80513	280	180	8.3	738	4.5	12.5

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1430	96	460	180	200	30	1.1	99
JAN								
24...	1530	101	760	>1200	>1200	40	30	94

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
31...	1002	80513	80513	60.0	0.30	0.30	70
31...	1003	80513	80513	60.0	0.30	0.30	--
31...	1004	80513	80513	60.0	0.30	0.30	--
31...	1005	80513	80513	60.0	0.40	0.40	--
31...	1006	80513	80513	60.0	0.30	0.30	--
31...	1007	80513	80513	60.0	0.50	0.50	--
31...	1008	80513	80513	60.0	0.50	0.50	--
31...	1009	80513	80513	60.0	0.60	0.60	--
31...	1010	80513	80513	60.0	0.40	0.40	--
31...	1011	80513	80513	60.0	0.40	0.40	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1002	245	8.0	1.0	15.0	109	742
31...	1003	246	8.0	1.0	12.1	87	742
31...	1004	244	7.8	1.0	12.1	87	742
31...	1005	245	7.8	1.0	12.3	89	742
31...	1006	245	7.8	1.0	12.2	89	742
31...	1007	245	7.8	1.0	12.5	91	742
31...	1008	245	7.8	1.0	12.3	90	742
31...	1009	245	7.8	1.0	12.5	91	742
31...	1010	245	7.8	1.0	12.4	90	742
31...	1011	245	7.8	1.5	12.7	92	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1230	80513	80513	15	278	7.8	734	9.0	14.1
MAY									
21...	1130	80513	80513	88	272	8.2	732	21.0	8.2
JUL									
24...	0845	80513	80513	13	270	>8.4	734	25.5	5.3
AUG									
29...	0900	80513	80513	19	282	8.0	737	23.5	6.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1230	127	K4	K17	K7	32	1.3	79
MAY								
21...	1130	96	470	540	K170	97	23	43
JUL								
24...	0845	67	200	190	1400	40	1.4	91
AUG								
29...	0900	76	130	100	530	36	1.8	97

07195000 OSAGE CREEK NEAR ELM SPRINGS

LOCATION.--Lat 36°13'19", long 94°17'18", in SW1/4NE1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to September 1975, July 1995 to current year. October 1976 to September 1979 a crest-stage partial-record station. Occasional discharge measurements 1977-79 and 1982-95. Monthly discharge only for some periods, published in WSP 1731.

REVISED RECORDS.--(WATER YEARS).--WRD Ark.1970: Drainage area. WRD Ark. 1974: 1969.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1979 water stage recorder about 400 ft downstream at present datum. Altitude of gage is 1,052 ft by barometer.

REMARKS.--Water-discharge records good, except estimated daily discharges, June 14 to July 4 which are fair. Low flow slightly regulated by operation of small lake at Cave Springs, and northwest Arkansas sewage treatment plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	85	60	74	114	58	101	119	233	e86	60	36
2	138	75	51	75	103	48	91	112	141	e85	60	35
3	97	67	56	77	97	57	88	108	110	e81	51	42
4	95	55	62	92	97	63	102	98	98	e89	43	49
5	85	65	58	84	102	58	87	90	92	98	49	46
6	79	134	57	71	104	58	78	131	116	78	54	46
7	66	98	73	72	106	58	70	112	105	67	52	41
8	73	85	67	75	103	53	72	100	88	67	51	36
9	77	90	51	75	95	48	72	95	79	69	50	42
10	78	120	55	83	84	54	68	120	81	67	43	43
11	79	84	60	91	81	60	67	280	e74	80	36	43
12	78	82	62	87	97	61	90	151	75	78	44	46
13	69	82	59	80	94	61	112	132	73	66	47	44
14	60	77	61	81	90	154	70	140	e76	57	45	39
15	65	75	58	83	89	115	69	130	e73	61	44	68
16	70	74	212	83	84	86	71	121	e72	62	43	89
17	72	69	195	867	76	81	68	113	e71	61	63	65
18	75	58	392	313	81	96	66	99	e78	58	69	59
19	78	62	177	233	87	84	61	85	e115	56	54	55
20	70	70	140	197	86	78	55	91	e175	50	54	57
21	61	69	117	183	86	75	49	91	e129	43	55	44
22	66	92	101	193	86	68	345	89	e115	49	54	37
23	74	64	83	191	78	62	430	84	e105	58	53	47
24	76	60	75	167	72	73	233	81	e101	60	47	118
25	80	55	75	158	81	72	192	71	e103	69	41	74
26	128	62	83	141	85	76	164	65	e99	59	46	2380
27	78	68	74	125	84	153	144	100	e94	52	54	515
28	63	66	76	128	81	165	138	82	e92	43	51	250
29	65	65	79	128	64	117	133	79	e90	48	51	180
30	72	64	68	119	---	90	129	76	e86	72	49	148
31	81	---	59	119	---	111	---	97	---	66	45	---
TOTAL	2445	2272	2896	4545	2587	2493	3515	3342	3039	2035	1558	4774
MEAN	78.9	75.7	93.4	147	89.2	80.4	117	108	101	65.6	50.3	159
MAX	138	134	392	867	114	165	430	280	233	98	69	2380
MIN	60	55	51	71	64	48	49	65	71	43	36	35
AC-FT	4850	4510	5740	9020	5130	4940	6970	6630	6030	4040	3090	9470
CFSM	.61	.58	.72	1.13	.69	.62	.90	.83	.78	.50	.39	1.22
IN.	.70	.65	.83	1.30	.74	.71	1.01	.96	.87	.58	.45	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

MEAN	73.0	111	93.5	93.5	125	150	164	194	150	98.2	65.7	63.8
MAX	310	474	390	373	457	538	533	972	693	281	244	214
(WY)	1971	1974	1974	1969	1951	1975	1957	1961	1974	1968	1961	1975
MIN	13.2	23.3	20.9	20.4	23.8	24.5	20.8	40.2	25.0	14.2	11.3	12.4
(WY)	1957	1956	1956	1956	1964	1956	1956	1964	1954	1954	1954	1956

SUMMARY STATISTICS	FOR 1996 WATER YEAR		WATER YEARS 1951 - 1975,1996	
ANNUAL TOTAL	35501			
ANNUAL MEAN	97.0		115	
HIGHEST ANNUAL MEAN			236	1974
LOWEST ANNUAL MEAN			29.1	1956
HIGHEST DAILY MEAN	2380	Sep 26	6540	May 19 1961
LOWEST DAILY MEAN	35	Sep 2	5.3	Sep 5 1954
ANNUAL SEVEN-DAY MINIMUM	42	Sep 8	6.1	Aug 31 1954
INSTANTANEOUS PEAK FLOW	6360	Sep 26	[a]22500	May 19 1961
INSTANTANEOUS PEAK STAGE	11.27	Sep 26	16.66	May 19 1961
INSTANTANEOUS LOW FLOW	28	Sep 2	4.7	Sep 4-6 1954
ANNUAL RUNOFF (AC-FT)	70420		83140	
ANNUAL RUNOFF (CFSM)	.75		.88	
ANNUAL RUNOFF (INCHES)	10.16		11.99	
10 PERCENT EXCEEDS	138		204	
50 PERCENT EXCEEDS	76		68	
90 PERCENT EXCEEDS	49		25	

[a]From rating curve extended above 11,000 ft^3/s on basis of slope-area measurement of peak flow
[e]Estimated

07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

LOCATION.--Lat 36°13'19", long 94°17'18", in SW1/4NE1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1330	80513	80513	98	380	8.5	726	17.5	9.7
JAN									
24...	1400	80513	80513	160	320	8.6	744	7.5	11.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1330	107	320	70	160	38	10	99
JAN								
24...	1400	101	K39	70	K67	46	20	91

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
31...	1129	80513	80513	50.0	0.10	0.10	110
31...	1130	80513	80513	50.0	0.10	0.10	--
31...	1131	80513	80513	50.0	0.10	0.10	--
31...	1132	80513	80513	50.0	0.20	0.20	--
31...	1133	80513	80513	50.0	0.20	0.20	--
31...	1134	80513	80513	50.0	0.40	0.40	--
31...	1135	80513	80513	50.0	0.30	0.30	--
31...	1136	80513	80513	50.0	0.30	0.30	--
31...	1137	80513	80513	50.0	0.10	0.10	--
31...	1138	80513	80513	50.0	0.10	0.10	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1129	389	8.6	2.0	14.5	107	742
31...	1130	389	8.5	2.0	11.8	87	742
31...	1131	388	8.3	2.0	10.8	81	742
31...	1132	388	8.2	2.0	11.9	89	742
31...	1133	388	8.2	2.0	12.4	92	742
31...	1134	388	8.1	2.0	12.5	93	742
31...	1135	387	8.2	2.0	12.6	94	742
31...	1136	388	8.2	2.0	12.7	95	742
31...	1137	388	8.2	2.0	12.4	93	742
31...	1138	387	8.2	2.0	12.9	96	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1345	80513	80513	57	370	8.5	732	11.5	11.3
MAY									
21...	1245	80513	80513	62	406	8.4	732	21.5	7.4
JUL									
23...	1300	80513	80513	45	405	8.7	735	25.5	7.2
AUG									
28...	1300	80513	80513	46	432	8.7	736	23.5	8.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1345	108	K35	K60	K36	43	6.6	91
MAY								
21...	1245	87	490	160	200	59	9.9	94
JUL								
23...	1300	92	340	310	390	36	4.4	87
AUG								
28...	1300	109	250	190	520	43	5.3	98

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS

LOCATION.--Lat 36°06'31", long 94°32'00", in SE1/4NE1/4 sec.31, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 59, 5.0 mi south of Siloam Springs, and 0.6 mi downstream from mouth of Cincinnati Creek.

DRAINAGE AREA.--575 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to current year. Occasional low-flow measurements in 1971.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Water-discharge records good, except those above 800 ft^3/s which are fair. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 3, 1990, reached a stage of 25.4 ft, from floodmarks, discharge 66,000 ft^3/s from rating curve extended above 400 ft^3/s on basis of contracted-opening measurement of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	157	147	220	327	192	464	491	447	136	133	103
2	232	167	147	230	316	188	412	440	570	133	126	101
3	295	163	144	249	302	181	376	406	399	131	120	95
4	260	156	140	246	302	175	392	383	367	146	112	94
5	216	152	143	254	292	182	436	356	315	229	104	95
6	196	150	142	269	264	181	388	523	293	190	101	91
7	185	173	141	260	272	176	358	648	322	158	100	89
8	175	220	152	242	284	172	334	478	270	145	101	87
9	165	181	171	249	280	170	317	397	242	143	99	83
10	166	171	157	246	272	167	304	1070	227	142	96	81
11	164	197	147	252	257	164	290	5200	217	154	94	80
12	163	208	149	358	243	168	282	1740	205	180	93	82
13	159	189	151	375	242	170	874	1070	195	166	95	83
14	154	180	150	348	241	172	634	840	188	152	93	84
15	150	171	147	324	238	182	482	715	182	301	92	92
16	148	161	149	302	225	240	409	606	171	220	91	190
17	149	158	177	288	217	217	367	524	161	171	104	170
18	149	156	506	2740	211	196	335	459	160	152	169	142
19	147	150	751	1860	207	214	312	405	271	140	152	132
20	154	145	582	988	209	208	291	368	318	131	125	126
21	156	143	434	726	208	193	271	341	233	121	114	122
22	149	145	370	611	205	187	3080	315	197	114	110	112
23	143	167	329	566	207	185	4840	298	178	115	115	107
24	144	183	294	662	203	181	1990	277	161	124	113	154
25	150	163	268	557	196	184	1260	256	159	121	111	211
26	154	157	251	501	198	187	865	237	158	117	112	4330
27	174	152	242	454	202	195	682	260	154	111	153	10600
28	198	153	235	410	199	348	605	290	190	105	152	1680
29	165	152	226	388	196	609	604	245	168	102	136	1060
30	153	149	227	370	---	489	562	224	147	170	119	747
31	153	---	226	345	---	463	---	256	---	152	108	---
TOTAL	5376	4969	7495	15890	7015	6936	22816	20118	7265	4672	3543	21223
MEAN	173	166	242	513	242	224	761	649	242	151	114	707
MAX	295	220	751	2740	327	609	4840	5200	570	301	169	10600
MIN	143	143	140	220	196	164	271	224	147	102	91	80
AC-FT	10660	9860	14870	31520	13910	13760	45260	39900	14410	9270	7030	42100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

MEAN	173	166	242	513	242	224	761	649	242	151	163	445
MAX	173	166	242	513	242	224	761	649	242	151	212	707
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995	1996
MIN	173	166	242	513	242	224	761	649	242	151	114	182
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995

SUMMARY STATISTICS	FOR 1996 WATER YEAR		WATER YEARS 1995 - 1996	
ANNUAL TOTAL	127318			
ANNUAL MEAN	348		348	
HIGHEST ANNUAL MEAN			348	1996
LOWEST ANNUAL MEAN			348	1996
HIGHEST DAILY MEAN	10600	Sep 27	10600	Sep 27 1996
LOWEST DAILY MEAN	80	Sep 11	80	Sep 11 1996
ANNUAL SEVEN-DAY MINIMUM	83	Sep 8	83	Sep 8 1996
INSTANTANEOUS PEAK FLOW	[a]23300	Sep 27	[a]23300	Sep 27 1996
INSTANTANEOUS PEAK STAGE	18.19	Sep 27	18.19	Sep 27 1996
INSTANTANEOUS LOW FLOW	78	Sep 11	78	Sep 11 1996
ANNUAL RUNOFF (AC-FT)	252500		252000	
10 PERCENT EXCEEDS	534		490	
50 PERCENT EXCEEDS	191		194	
90 PERCENT EXCEEDS	112		118	

[a]From rating curve extended above 400 ft^3/s on basis of contracted-opening measurement of peak flow

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
05...	1030	80513	81213	225	312	8.1	728	17.0	7.7	83
JAN										
24...	1115	80513	81213	720	298	8.0	740	5.5	11.2	91

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
05...	1030	87	58	94	120	44	1.9	13	19
JAN									
24...	1115	K180	370	3300	110	40	2.1	7.2	12

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
05...	1030	0.5	4.4	12	15	194	28	17	99
JAN									
24...	1115	0.3	3.0	13	9.6	166	30	58	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
31...	0838	80513	80513	100	2.00	4.00	5.00	350
31...	0839	80513	80513	100	2.00	4.00	15.0	--
31...	0841	80513	80513	100	1.50	3.00	25.0	--
31...	0842	80513	80513	100	1.50	3.00	35.0	--
31...	0843	80513	80513	100	1.50	3.00	45.0	--
31...	0845	80513	80513	100	1.50	3.00	55.0	--
31...	0846	80513	80513	100	1.50	3.00	65.0	--
31...	0847	80513	80513	100	1.00	2.00	75.0	--
31...	0848	80513	80513	100	1.50	3.00	85.0	--
31...	0849	80513	80513	100	0.50	1.00	95.0	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	0838	292	5.3	3.0	12.1	92	742
31...	0839	292	5.9	3.0	12.6	96	742
31...	0841	292	6.5	3.0	12.1	92	742
31...	0842	292	6.7	3.0	12.4	95	742
31...	0843	292	6.8	3.0	12.1	92	742
31...	0845	292	7.1	3.0	12.2	93	742
31...	0846	292	7.2	3.0	12.1	92	742
31...	0847	292	7.3	3.0	12.1	92	742
31...	0848	293	7.4	3.0	12.1	92	742
31...	0849	294	7.4	2.5	11.9	91	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR										
13...	1000	80513	81213	130	338	7.5	733	9.5	10.3	93
MAY										
22...	0930	80513	81213	390	301	7.9	735	21.0	6.6	77
JUL										
24...	1100	80513	81213	117	340	8.7	737	27.0	6.4	83
AUG										
29...	1000	80513	81213	130	356	8.7	740	24.0	6.1	75

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR									
13...	1000	K17	K27	K60	130	48	1.9	15	20
MAY									
22...	0930	210	140	240	120	44	1.9	8.9	14
JUL									
24...	1100	56	K38	62	130	49	1.9	17	21
AUG									
29...	1000	74	64	190	130	49	2.0	21	25

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	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)
MAR									
13...	1000	0.6	3.3	14	17	188	19	6.7	69
MAY									
22...	0930	0.4	3.3	10	11	184	38	40	85
JUL									
24...	1100	0.6	4.5	13	18	198	37	12	83
AUG									
29...	1000	0.8	4.8	20	22	210	39	14	96

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN
(National Water-Quality Assessment Station)

LOCATION.--Lat 36°16'39", long 94°24'34", in NW1/4 sec.5, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, near Springtown.

PERIOD OF RECORD.--Water years 1995-96.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INSTANTANEOUS CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24.	1420	80513	80020	2.2	204	7.7	735	17.0	--	9.1	97
JUL 17.	1425	80513	80020	3.0	197	7.8	734	26.0	28.5	7.4	95

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 24.	1420	K32	K9	880	89	7	34	1.1	3.9	8	0.2
JUL 17.	1425	530	420	400	88	6	33	1.3	3.6	8	0.2

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT 24.	1420	1.7	84	0	101	83	1.6	6.6	<0.10	9.4	115
JUL 17.	1425	2.2	83	0	100	82	1.6	5.9	<0.10	10	116

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 24.	1420	112	0.68	0.16	<0.010	0.910	0.910	<0.015	--	--	0.20
JUL 17.	1425	111	0.95	0.16	<0.010	0.980	0.980	0.040	0.16	<0.20	0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 24.	1420	--	0.020	0.020	2.5	0.10	<10	--	48	25	3
JUL 17.	1425	0.040	0.030	0.030	1.4	0.30	20	<1	100	53	15

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 24.	1420	0.02	45	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 17.	1425	0.12	91	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 24.	1420	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 17.	1425	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 24.	1420	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 17.	1425	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 24.	1420	<0.002	<0.006	<0.002	<0.004	0.019	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 17.	1425	<0.002	<0.006	<0.002	<0.004	0.026	<0.004	<0.003	<0.002	<0.003	<0.013

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 24.	1420	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 17.	1425	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYLAZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 24.	1420	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 17.	1425	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 24.	1420	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 17.	1425	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXY CARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 24.	1420	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 17.	1425	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 24.	1420	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 17.	1425	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)
JUL 02.	1100	80513	80020	E2.9	244	7.6	23.0	26.0	8.6	98	6

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL 02.	1100	37	1.3	3.9	8	0.2	2.2	92	0	112	1.3

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 02.	1100	6.5	<0.10	11	132	124	0.18	1.09	0.010	1.10	1.10

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
JUL 02.	1100	0.090	0.11	0.11	0.20	0.20	0.020	0.010	0.020	1.3	0.30

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)
JUL 02.	1100	130	130	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
JUL 02.	1100	<0.002	<0.002	<0.004	<0.004	<0.002	<0.003	<0.006	<0.018	<0.007	<0.005

DATE	TIME	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)
JUL 02.	1100	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 02.	1100	0.036	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 02.	1100	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195696 EAST FLINT CREEK NEAR SPRINGTOWN
(National Water-Quality Assessment Station)

LOCATION.--Lat 36°15'29", long 94°24'15", in NE1/4 sec.8, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, near Springtown.

PERIOD OF RECORD.--Water years 1995-96.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 25.	1005	80513	80020	1.9	210	7.3	741	13.0	--	8.8	86
JUL 17.	1030	80513	80020	2.9	214	7.5	737	20.5	28.0	7.7	88

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 25.	1005	K150	150	1200	89	4	34	1.1	4.5	10	0.2
JUL 17.	1030	K1100	960	K2100	90	0	34	1.2	4.2	9	0.2

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT 25.	1005	1.6	85	0	104	85	1.4	6.7	<0.10	8.8	126
JUL 17.	1030	2.5	89	0	109	89	1.9	6.7	<0.10	9.3	126

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 25.	1005	118	0.66	0.17	--	<0.010	2.00	2.00	<0.015	--	0.50
JUL 17.	1030	123	1.0	0.17	1.99	0.010	2.00	2.00	0.030	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 25.	1005	--	0.090	0.070	0.90	0.10	<10	--	12	2.0	3
JUL 17.	1030	0.090	0.080	0.100	1.1	0.50	<10	<1	20	7.0	16

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 25.	1005	0.02	41	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 17.	1030	0.13	69	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 25.	1005	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 17.	1030	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT_FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT_FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT_FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 25.	1005	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 17.	1030	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT_FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT_FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 25.	1005	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 17.	1030	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013

07195696 EAST FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 25.	1005	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 17.	1030	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 25.	1005	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 17.	1030	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 25.	1005	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 17.	1030	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXY CARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 25.	1005	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 17.	1030	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 25.	1005	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 17.	1030	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 01...	1500	80513	80020	E3.0	223	7.7	25.5	6.8	93	1	35

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL 01...	1500	1.3	4.6	9	0.2	3.2	92	0	112	1.8	6.9

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JUL 01...	1500	<0.10	10	137	130	0.19	2.45	0.050	2.50	2.50	0.070

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 01...	1500	0.43	0.33	0.50	0.40	0.170	0.160	0.170	1.6	0.50	35

DATE	TIME	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)
JUL 01...	1500	18	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002	<0.002

07195696 EAST FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUL 01...	1500	<0.002	<0.004	<0.004	<0.002	<0.003	<0.006	<0.018	<0.007	<0.005	<0.004

DATE	TIME	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUL 01...	1500	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 01...	1500	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 01...	1500	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195800 FLINT CREEK AT SPRINGTOWN

LOCATION.--Lat 36°15'20", long 94°25'50", in NW1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above sea level.

REMARKS.--Records good, except estimated daily discharges which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.0	6.5	6.7	8.8	8.7	16	11	27	5.4	4.9	e4.2
2	10	8.0	6.6	6.8	8.5	9.4	15	10	18	5.2	4.9	e4.1
3	8.5	7.8	6.5	6.8	9.0	9.4	14	9.3	15	5.2	4.7	4.1
4	7.8	7.7	6.5	6.8	8.7	7.1	15	9.0	13	6.5	4.5	3.9
5	7.1	7.8	6.3	6.8	8.2	6.7	13	8.7	11	6.4	4.4	3.9
6	7.1	11	6.3	6.4	8.5	6.6	12	8.9	19	5.7	4.3	3.8
7	7.1	9.4	7.3	6.4	8.7	6.2	11	8.1	14	5.4	4.1	e3.7
8	6.8	8.3	7.3	6.8	8.4	6.4	10	8.0	13	5.2	4.0	e3.6
9	6.8	8.3	6.4	6.8	8.0	6.5	9.8	7.7	11	5.2	3.7	e3.6
10	6.8	11	6.5	7.4	7.7	6.5	9.2	24	10	5.2	3.8	e3.5
11	6.8	10	6.5	8.0	7.2	6.6	9.0	39	9.1	5.8	4.5	3.5
12	6.6	9.2	6.5	8.0	7.1	6.6	9.3	26	8.4	5.8	4.4	e4.0
13	6.5	8.5	6.5	8.0	7.1	6.8	9.9	20	7.8	5.7	4.2	e4.2
14	6.5	8.0	8.3	7.7	7.0	6.8	8.9	40	7.3	5.6	4.0	e4.4
15	6.5	7.7	8.5	7.7	6.8	7.1	8.2	36	6.9	5.3	4.0	e4.6
16	6.5	7.5	14	8.1	6.8	7.5	8.0	30	6.4	5.0	4.0	e5.0
17	6.5	7.3	16	46	6.8	7.0	8.0	22	6.3	4.9	4.4	e4.8
18	6.6	6.8	26	30	6.9	7.3	7.8	18	6.2	4.8	4.6	e4.5
19	6.7	6.8	14	23	7.1	7.3	7.8	15	13	4.7	4.0	e4.5
20	6.7	6.5	11	19	7.1	6.8	7.6	14	9.3	4.6	3.7	4.4
21	6.9	6.6	9.8	16	7.1	7.0	8.1	12	8.2	4.5	3.6	4.3
22	6.8	11	8.7	16	7.0	6.9	16	11	7.6	4.4	3.6	4.1
23	7.2	7.8	7.9	15	6.8	6.8	27	9.7	7.1	5.0	3.5	4.3
24	7.7	7.2	7.7	14	6.8	6.9	23	8.9	6.7	4.8	3.5	8.0
25	7.8	7.0	7.5	13	7.3	6.8	20	8.4	6.4	4.8	4.4	5.8
26	11	6.9	7.0	12	7.6	6.5	17	7.7	6.2	4.6	7.7	200
27	8.4	6.5	6.6	11	7.5	7.8	15	11	6.2	4.6	8.1	48
28	7.5	6.5	6.3	11	7.1	22	14	8.5	5.9	4.5	5.4	29
29	7.4	6.5	6.3	10	7.1	19	13	7.7	5.7	4.6	4.9	22
30	7.4	6.5	6.3	9.2	---	19	12	7.3	5.5	5.6	4.6	17
31	7.7	---	6.3	9.0	---	18	---	10	---	5.3	e4.3	---
TOTAL	227.7	238.1	263.9	369.4	218.7	270.0	374.6	466.9	297.2	160.3	138.7	424.8
MEAN	7.35	7.94	8.51	11.9	7.54	8.71	12.5	15.1	9.91	5.17	4.47	14.2
MAX	11	11	26	46	9.0	22	27	40	27	6.5	8.1	200
MIN	6.5	6.5	6.3	6.4	6.8	6.2	7.6	7.3	5.5	4.4	3.5	3.5
AC-FT	452	472	523	733	434	536	743	926	589	318	275	843
CFSM	.52	.56	.60	.84	.53	.61	.88	1.06	.70	.36	.32	1.00
IN.	.60	.62	.69	.97	.57	.71	.98	1.22	.78	.42	.36	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1996, BY WATER YEAR (WY)

MEAN	11.1	18.4	18.6	13.9	14.7	20.8	22.3	18.6	18.0	9.07	7.86	9.31
MAX	51.8	83.7	63.0	40.0	37.0	57.7	60.5	107	121	40.9	61.5	38.3
(WY)	1987	1974	1988	1969	1989	1973	1965	1990	1974	1961	1961	1986
MIN	2.20	2.56	2.98	2.98	3.20	3.02	3.15	3.29	2.79	1.83	.77	1.88
(WY)	1983	1967	1967	1981	1967	1967	1981	1967	1966	1964	1980	1967

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1961 - 1996	
ANNUAL TOTAL	6493.7		3450.3			
ANNUAL MEAN	17.8		9.43		15.0	
HIGHEST ANNUAL MEAN					34.4	1974
LOWEST ANNUAL MEAN					3.80	1967
HIGHEST DAILY MEAN	391	May 8	200	Sep 26	1730	Jun 8 1974
LOWEST DAILY MEAN	2.8	Feb 24	3.5	Aug 23	.00	Aug 3 1980
ANNUAL SEVEN-DAY MINIMUM	3.0	Feb 23	3.7	Sep 5	.33	Aug 3 1980
INSTANTANEOUS PEAK FLOW			802	Sep 26	[a]14600	Jun 8 1974
INSTANTANEOUS PEAK STAGE			7.23	Sep 26	[b]17.51	Jun 8 1974
INSTANTANEOUS LOW FLOW			3.4	Aug 22-24,Sep 11	[c].00	Aug 3,Sep 16 1980
ANNUAL RUNOFF (AC-FT)	12880		6840		10870	
ANNUAL RUNOFF (CFSM)	1.25		.66		1.06	
ANNUAL RUNOFF (INCHES)	17.01		9.04		14.36	
10 PERCENT EXCEEDS	35		15		29	
50 PERCENT EXCEEDS	8.3		7.1		8.2	
90 PERCENT EXCEEDS	5.9		4.4		3.2	

[a]From rating curve extended above 770 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow
[b]From floodmark
[c]Result of pumpage for irrigation upstream from gage
[e]Estimated

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1961 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 25.	0845	80513	80020	E7.9	4.32	218	7.4	742	14.5	--	7.5
JUL 18.	0900	80513	80020	10	3.99	208	7.6	738	18.0	24.5	7.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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.	0845	75	K15	33	2000	93	0	35	1.4	4.3	9
JUL 18.	0900	80	K160	180	700	89	17	33	1.6	3.8	8

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 25.	0845	0.2	2.2	96	0	117	96	1.9	7.1	<0.10	8.7
JUL 18.	0900	0.2	2.8	72	0	88	72	2.5	6.2	<0.10	9.4

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 25.	0845	128	126	--	0.17	<0.010	1.80	1.80	<0.015	--	<0.20
JUL 18.	0900	120	114	3.40	0.16	<0.010	2.50	2.50	0.020	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 25.	0845	--	0.070	0.050	1.6	0.10	<10	--	99	<1.0	3
JUL 18.	0900	0.060	0.040	0.040	0.70	0.20	20	<1	12	3.0	20

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 25.	0845	--	36	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 18.	0900	0.57	80	0.013	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 25.	0845	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 18.	0900	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	E0.001	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 25.	0845	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 18.	0900	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 25.	0845	<0.002	<0.006	<0.002	<0.004	E0.004	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 18.	0900	<0.002	<0.006	<0.002	<0.004	E0.004	<0.004	<0.003	<0.002	<0.003	<0.013

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(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 25.	0845	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 18.	0900	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 25.	0845	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 18.	0900	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 25.	0845	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 18.	0900	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXY CARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 25.	0845	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 18.	0900	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 25.	0845	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 18.	0900	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVFLD. AS CACO3 (MG/L) (00904)
JUL 01...	1300	80513	80020	E3.0	249	7.7	19.5	29.0	8.7	100	7

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL 01...	1300	38	1.7	4.3	8	0.2	2.8	95	0	116	2.5

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JUL 01...	1300	6.9	<0.10	9.8	147	136	0.20	<0.010	2.80	2.80	0.030

DATE	TIME	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)
JUL 01...	1300	<0.20	<0.20	0.090	0.050	0.060	0.80	0.20	<3.0	4.0	0.009

DATE	TIME	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)
JUL 01...	1300	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002	<0.002	<0.002

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUL 01...	1300	<0.004	<0.004	E0.007	<0.003	<0.006	<0.018	<0.007	<0.005	<0.004

DATE	TIME	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUL 01...	1300	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 01...	1300	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 01...	1300	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA

LOCATION.--Lat 36°12'58", long 94°36'15", in NE1/4NE1/4 sec.14, T.20 N., R.25 E., Delaware County, Oklahoma, Hydrologic Unit 11110103, on left bank 800 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Oklahoma.

DRAINAGE AREA.--59.8 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above sea level.

REMARKS.--Water-discharge records good, except for periods of estimated daily discharges which are poor. Flow is partially regulated by Lake Siloam Springs, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	17	18	e16	24	e19	e23	21	41	8.4	e6.0	e7.8
2	10	17	18	e18	23	e19	e23	20	e44	7.2	e5.6	e7.2
3	14	17	17	e18	23	e18	e23	18	e40	6.3	e5.4	e6.7
4	12	16	17	e18	e25	e18	e24	18	30	11	e5.2	e6.3
5	e11	17	17	e17	e25	e17	e24	17	26	17	e5.0	e5.9
6	e10	19	e18	e17	e25	e17	e23	17	30	13	e4.9	e5.6
7	e10	25	e18	e18	e26	e17	e23	17	32	10	e4.7	e5.3
8	e11	23	e17	e18	e25	e16	e23	15	26	9.6	e4.6	e5.1
9	e10	21	e17	e19	e24	e16	21	15	24	9.1	e4.5	e5.0
10	e10	21	e17	e20	e24	e16	20	20	21	8.0	e4.8	5.0
11	e10	25	e17	e21	e23	e15	21	93	19	9.6	e5.4	5.8
12	e10	23	e17	22	e23	e15	20	70	17	11	e5.3	5.5
13	e10	21	e18	e22	e23	e15	22	53	17	11	e5.1	5.5
14	e10	21	e18	e22	e22	e15	19	54	15	10	e4.6	5.6
15	e10	21	e19	e22	e22	e14	21	67	14	8.9	e4.3	7.8
16	e11	21	e20	e22	e22	e14	18	56	13	5.7	e4.3	9.2
17	e10	19	e22	e60	e21	e14	18	47	12	5.4	e4.6	8.0
18	11	18	e28	e48	e21	e14	18	39	11	4.3	e5.3	6.8
19	12	18	e25	e45	e20	e14	17	33	22	e4.0	e5.6	6.6
20	12	18	e24	e45	e20	e13	16	30	24	e4.0	e4.9	6.4
21	13	21	e20	e43	e21	e13	16	28	18	e4.0	e4.5	5.1
22	13	18	e18	e42	e20	13	31	24	15	e4.0	e4.3	5.1
23	15	21	e18	e40	e19	e13	56	22	14	e5.0	e4.1	5.1
24	15	20	e17	37	e19	e12	51	20	12	e5.0	e4.0	8.8
25	16	19	e17	32	e20	e12	42	19	14	e5.0	e5.0	10
26	18	18	e17	33	e20	e12	35	17	9.9	e5.0	e9.0	446
27	22	19	e16	30	e20	e14	30	23	9.8	e5.0	e16	174
28	23	21	e16	29	e19	e40	27	20	10	e5.0	e13	85
29	17	18	e16	28	e20	e30	25	16	9.5	e6.0	e11	58
30	17	18	e15	26	---	e26	23	15	8.9	e7.0	e9.5	43
31	17	---	e15	25	---	e24	---	16	---	e6.5	e8.6	---
TOTAL	400	591	567	873	639	525	753	940	599.1	231.0	189.1	967.2
MEAN	12.9	19.7	18.3	28.2	22.0	16.9	25.1	30.3	20.0	7.45	6.10	32.2
MAX	23	25	28	60	26	40	56	93	44	17	16	446
MIN	10	16	15	16	19	12	16	15	8.9	4.0	4.0	5.0
AC-FT	793	1170	1120	1730	1270	1040	1490	1860	1190	458	375	1920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

MEAN	32.6	54.3	72.2	51.0	52.7	74.4	71.9	69.2	53.3	22.3	16.7	23.6
MAX	199	148	219	123	120	176	143	251	169	55.0	35.6	132
(WY)	1987	1994	1993	1985	1989	1985	1985	1990	1995	1995	1986	1986
MIN	3.48	3.86	6.62	3.88	4.37	7.04	7.43	20.9	9.72	2.79	.77	1.80
(WY)	1981	1981	1980	1980	1981	1981	1981	1981	1981	1980	1980	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	22382.1		7274.4			
ANNUAL MEAN	61.3		19.9		49.5	
HIGHEST ANNUAL MEAN					97.9	1985
LOWEST ANNUAL MEAN					10.7	1981
HIGHEST DAILY MEAN	822	May 8	446	Sep 26	2560	Sep 30 1986
LOWEST DAILY MEAN	9.1	Sep 30	4.0	Jul 19-22,Aug 24	.40	Aug 7 1980
ANNUAL SEVEN-DAY MINIMUM	10	Oct 9	4.3	Jul 18	.56	Aug 5 1980
INSTANTANEOUS PEAK FLOW			1130	Sep 26	[a]6650	May 3 1990
INSTANTANEOUS PEAK STAGE			7.50	Sep 26	12.67	May 3 1990
ANNUAL RUNOFF (AC-FT)	44390		14430		35860	
10 PERCENT EXCEEDS	129		30		106	
50 PERCENT EXCEEDS	38		17		26	
90 PERCENT EXCEEDS	12		5.3		6.8	

[a]From rating curve extended above 3,300 ft^3/s
[e]Estimated

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 1979, October 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1130	80513	80513	16	280	7.9	729	17.5	7.3
JAN									
24...	1230	80513	80513	13	260	8.9	739	5.5	12.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1130	80	70	K22	170	17	0.73	92
JAN								
24...	1230	101	K28	K31	K34	13	0.46	76

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	1606	80513	80513	30.0	0.20	0.20	20
30...	1607	80513	80513	30.0	0.30	0.30	--
30...	1608	80513	80513	30.0	0.20	0.20	--
30...	1609	80513	80513	30.0	0.40	0.40	--
30...	1610	80513	80513	30.0	0.50	0.50	--
30...	1611	80513	80513	30.0	0.60	0.60	--
30...	1612	80513	80513	30.0	0.40	0.40	--
30...	1613	80513	80513	30.0	0.30	0.30	--
30...	1614	80513	80513	30.0	0.40	0.40	--
30...	1615	80513	80513	30.0	0.30	0.30	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1606	264	8.2	4.0	13.8	106	755
30...	1607	263	8.1	4.0	12.7	98	755
30...	1608	263	8.1	4.0	12.2	94	755
30...	1609	264	8.1	4.0	11.6	90	755
30...	1610	264	8.0	4.0	12.5	96	755
30...	1611	263	8.0	4.0	12.0	93	755
30...	1612	262	8.0	4.0	12.0	93	755
30...	1613	263	8.0	4.0	11.7	90	755
30...	1614	262	8.0	4.0	10.6	82	755
30...	1615	262	8.0	4.0	11.0	85	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1100	80513	80513	13	280	7.6	736	9.5	11.6
MAY									
21...	1030	80513	80513	21	266	8.5	734	21.0	7.1
JUL									
23...	1100	80513	80513	4.5	332	8.6	737	25.0	6.5
AUG									
28...	1200	80513	80513	15	282	8.0	740	23.5	6.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1100	105	62	39	K20	46	1.6	78
MAY								
21...	1030	83	210	240	170	43	2.4	79
JUL								
23...	1100	81	210	140	230	31	0.38	75
AUG								
28...	1200	84	240	190	730	29	1.2	95

07196900 BARON FORK AT DUTCH MILLS

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--40.6 mi^2 (corrected.)

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. WRD Ark. 1993: 1992 (m).

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	.76	5.5	15	26	6.1	39	43	45	1.6	3.8	1.1
2	49	.97	5.4	23	23	6.2	32	38	31	1.3	3.2	1.1
3	36	.40	5.3	26	15	5.9	27	35	22	1.2	2.7	1.1
4	11	.04	5.1	28	16	5.8	46	32	16	1.7	2.1	.97
5	5.8	.00	4.8	34	16	6.1	39	29	12	3.8	1.6	.69
6	3.7	.00	4.5	35	17	6.1	31	69	12	2.7	1.2	.50
7	2.9	.47	4.5	25	20	5.4	27	54	14	2.1	.87	.42
8	2.5	.71	5.2	23	21	4.8	24	39	11	1.9	.70	.33
9	2.1	3.0	5.6	24	19	4.8	21	31	9.8	1.7	.68	.30
10	1.9	6.6	5.2	29	17	5.1	18	504	8.8	1.8	.50	.24
11	1.8	19	5.0	83	14	5.3	16	321	8.5	2.7	.54	.44
12	1.5	15	5.0	81	12	5.3	162	100	6.9	58	.62	.53
13	1.4	12	5.1	62	11	5.0	192	74	6.2	20	.49	.42
14	1.2	9.3	4.9	52	11	5.1	76	63	5.5	195	.38	.40
15	1.3	8.0	4.7	42	10	5.0	52	52	4.8	57	.27	.67
16	1.3	6.8	4.7	36	9.1	5.0	42	43	4.5	21	.18	2.5
17	1.3	5.8	23	97	8.8	4.8	35	36	4.3	13	32	1.8
18	1.4	5.3	113	1330	8.8	6.7	31	30	3.7	8.4	23	1.3
19	1.4	4.9	164	154	9.1	8.7	27	26	31	6.1	7.5	2.5
20	1.3	4.7	70	97	8.8	6.8	24	23	12	4.8	3.8	4.5
21	1.3	4.6	49	77	8.4	5.8	21	21	6.7	4.1	2.6	5.1
22	3.7	4.9	38	69	8.1	5.5	1770	22	4.8	3.5	2.1	5.5
23	8.5	8.9	31	86	7.9	5.2	532	19	4.0	9.2	2.4	5.7
24	8.8	9.3	24	76	7.3	5.6	149	16	3.4	4.8	1.6	15
25	8.9	7.8	21	62	6.9	8.5	95	13	3.2	3.8	1.6	13
26	12	7.0	18	54	7.2	7.6	71	12	3.0	2.9	1.8	2870
27	32	6.3	16	45	7.5	9.7	59	30	3.0	2.7	2.3	214
28	5.1	6.1	14	41	7.1	111	58	18	3.0	12	4.4	98
29	1.5	5.9	12	39	6.5	66	58	13	2.6	4.1	2.5	70
30	.62	5.7	14	34	---	46	49	11	2.2	6.0	1.7	55
31	.26	---	15	28	---	50	---	9.7	---	6.5	1.2	---
TOTAL	234.48	170.25	702.5	2907	359.5	434.9	3823	1826.7	304.9	465.4	110.33	3373.11
MEAN	7.56	5.67	22.7	93.8	12.4	14.0	127	58.9	10.2	15.0	3.56	112
MAX	49	19	164	1330	26	111	1770	504	45	195	32	2870
MIN	.26	.00	4.5	15	6.5	4.8	16	9.7	2.2	1.2	.18	.24
AC-FT	465	338	1390	5770	713	863	7580	3620	605	923	219	6690
CFSM	.19	.14	.56	2.31	.31	.35	3.14	1.45	.25	.37	.09	2.77
IN.	.21	.16	.64	2.66	.33	.40	3.50	1.67	.28	.43	.10	3.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	26.3	55.4	53.8	45.3	54.0	77.0	80.4	71.4	34.7	17.8	7.73	20.4
MAX	218	347	221	242	163	205	310	307	167	131	62.0	242
(WY)	1971	1986	1988	1993	1975	1973	1990	1990	1989	1958	1992	1974
MIN	.094	.51	.55	.53	2.16	5.98	6.71	3.25	.35	.22	.000	.080
(WY)	1964	1964	1964	1964	1964	1967	1963	1977	1963	1963	1980	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	19788.37		14712.07			
ANNUAL MEAN	54.2		40.2		44.9	
HIGHEST ANNUAL MEAN					104	1993
LOWEST ANNUAL MEAN					3.99	1963
HIGHEST DAILY MEAN	1800	May 8	2870	Sep 26	4300	Nov 24 1973
LOWEST DAILY MEAN	.00	Nov 5	.00	Nov 5	.00	Jul 23 1963
ANNUAL SEVEN-DAY MINIMUM	.35	Oct 31	.35	Oct 31	.00	Sep 20 1963
INSTANTANEOUS PEAK FLOW			[a]16000	Sep 26	[a]20900	Nov 18 1985
INSTANTANEOUS PEAK STAGE			13.35	Sep 26	14.81	Nov 18 1985
INSTANTANEOUS LOW FLOW			.00	Nov 5-6	.00	at times
ANNUAL RUNOFF (AC-FT)	39250		29180		32500	
ANNUAL RUNOFF (CFSM)	1.34		.99		1.11	
ANNUAL RUNOFF (INCHES)	18.13		13.48		15.01	
10 PERCENT EXCEEDS	104		60		87	
50 PERCENT EXCEEDS	19		7.9		12	
90 PERCENT EXCEEDS	1.4		1.2		.87	

[a]From rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurement at 12,900 ft^3/s

07196900 BARON FORK AT DUTCH MILLS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1000	80513	80513	12	310	8.0	728	16.0	7.1
JAN									
24...	0950	80513	80513	74	252	7.7	738	2.5	10.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1000	75	>1400	1000	1000	23	0.75	100
JAN								
24...	0950	78	240	540	3400	18	3.6	85

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
30...	1422	80513	80513	50.0	0.0	0.0	2.50	35
30...	1423	80513	80513	50.0	0.0	0.0	7.50	--
30...	1424	80513	80513	50.0	0.0	0.0	12.5	--
30...	1425	80513	80513	50.0	0.0	0.0	17.5	--
30...	1426	80513	80513	50.0	0.0	0.0	22.5	--
30...	1427	80513	80513	50.0	0.0	0.0	27.5	--
30...	1428	80513	80513	50.0	0.20	0.20	32.5	--
30...	1429	80513	80513	50.0	0.50	1.00	37.5	--
30...	1430	80513	80513	50.0	0.50	1.00	42.5	--
30...	1431	80513	80513	50.0	0.50	1.00	47.5	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1422	289	8.0	5.0	13.3	104	755
30...	1423	272	8.0	5.0	12.6	99	755
30...	1424	288	8.0	5.0	12.4	97	755
30...	1425	288	8.0	5.0	12.1	95	755
30...	1426	287	8.0	5.0	12.0	95	755
30...	1427	287	8.0	5.0	12.1	95	755
30...	1428	288	8.0	5.0	12.3	97	755
30...	1429	288	8.0	5.0	12.3	97	755
30...	1430	289	8.0	5.0	12.3	97	755
30...	1431	288	8.0	5.0	12.5	98	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	0950	80513	80513	6.0	320	7.5	736	9.0	12.3
MAY									
21...	0915	80513	80513	26	312	8.1	732	21.0	7.1
JUL									
23...	1000	80513	80513	4.0	310	8.3	736	26.5	5.2
AUG									
28...	1015	80513	80513	11	370	8.4	737	23.0	5.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	0950	110	K29	K20	K13	35	0.57	87
MAY								
21...	0915	83	660	1100	210	47	3.3	71
JUL								
23...	1000	68	K2100	K3100	K750	31	0.33	94
AUG								
28...	1015	71	980	510	1400	--	--	--

07247000 POTEAU RIVER AT CAUTHRON

LOCATION.--Lat 34°55'08", long 94°17'55", in NW1/4SW1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above sea level. Prior to May 2, 1939, nonrecording gage at present site and datum. Satellite data collection platform installed September 13, 1991.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. As of September 1974, flow from 92.2 mi^2 upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.44	2.4	2.4	1.8	91	46	220	162	429	116	206	11
2	.51	2.7	2.4	83	80	40	193	136	691	82	439	7.3
3	.89	2.0	2.1	236	68	35	174	108	376	61	181	5.0
4	2.8	2.0	2.0	134	55	30	175	90	244	47	122	3.5
5	1.1	1.9	2.0	119	48	27	176	76	180	37	87	3.3
6	.46	1.9	2.0	108	45	32	146	65	134	30	57	3.4
7	.33	2.1	2.0	86	43	60	132	62	1050	26	39	2.5
8	.24	2.2	2.4	55	42	56	124	64	572	22	41	1.7
9	.22	1.9	2.5	43	41	45	117	e70	294	19	e24	1.4
10	.19	1.8	2.5	40	37	37	103	e200	196	17	e22	1.3
11	.16	1.7	2.5	41	32	32	92	e300	148	21	e20	1.3
12	.14	1.7	2.5	41	29	29	177	e210	436	283	e17	1.0
13	.19	1.6	2.5	37	26	25	1270	e180	797	543	e15	1.1
14	.24	1.7	2.5	33	23	21	716	e150	332	264	e13	1.1
15	.24	2.1	2.3	30	22	19	517	e110	164	308	e11	2.0
16	.28	2.3	2.3	26	20	18	405	e80	101	222	e10	27
17	.62	2.3	99	23	18	17	356	67	70	168	e9.0	96
18	.77	2.2	441	161	16	99	316	50	145	135	e8.0	17
19	1.0	2.1	293	270	14	477	278	35	123	115	e7.0	5.5
20	.85	2.2	100	139	13	242	277	23	93	108	6.5	2.8
21	.82	2.3	39	101	13	167	251	16	63	97	9.2	2.3
22	1.0	2.2	20	82	15	138	3840	18	42	82	11	1.8
23	1.4	2.1	12	253	15	115	2620	57	29	72	6.5	2.2
24	.45	2.0	7.5	722	14	105	992	29	21	99	4.7	38
25	.65	2.1	4.5	338	12	274	689	17	15	79	4.0	103
26	.75	2.2	3.7	243	11	197	384	13	28	57	26	1520
27	1.2	2.3	2.8	188	11	146	277	14	605	45	929	2020
28	1.2	2.2	2.3	156	107	655	213	59	798	35	419	603
29	1.1	2.2	2.0	141	71	570	319	40	311	26	103	295
30	1.3	2.2	1.9	125	---	368	224	19	178	272	38	185
31	1.3	---	1.8	108	---	279	---	12	---	407	19	---
TOTAL	22.84	62.6	1067.4	4163.8	1032	4401	15773	2532	8665	3895	2903.9	4965.5
MEAN	.74	2.09	34.4	134	35.6	142	526	81.7	289	126	93.7	166
MAX	2.8	2.7	441	722	107	655	3840	300	1050	543	929	2020
MIN	.14	1.6	1.8	1.8	11	17	92	12	15	17	4.0	1.0
AC-FT	45	124	2120	8260	2050	8730	31290	5020	17190	7730	5760	9850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

MEAN	110	243	348	280	346	406	357	507	219	62.2	22.9	23.7
MAX	1423	1112	1078	907	1246	849	1092	2080	846	314	93.7	166
(WY)	1985	1995	1983	1993	1989	1975	1991	1990	1986	1981	1996	1996
MIN	.015	2.09	2.02	14.1	35.6	59.9	42.5	13.6	2.35	.41	.81	.19
(WY)	1979	1996	1990	1981	1996	1986	1976	1977	1988	1980	1976	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	70061.71		49484.04			
ANNUAL MEAN	192		135		[a]243	
HIGHEST ANNUAL MEAN					432	1985
LOWEST ANNUAL MEAN					48.7	1976
HIGHEST DAILY MEAN	8540	May 8	3840	Apr 22	16900	May 3 1990
LOWEST DAILY MEAN	.00	Sep 26	.14	Oct 12	.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	.02	Sep 22	.20	Oct 8	.00	Oct 7 1978
INSTANTANEOUS PEAK FLOW			7540	Apr 22	[b]24000	May 3 1990
INSTANTANEOUS PEAK STAGE			14.68	Apr 22	[c]22.17	May 3 1990
INSTANTANEOUS LOW FLOW			.13	Oct 11,12	.00	at times
ANNUAL RUNOFF (AC-FT)	139000		98150		176300	
10 PERCENT EXCEEDS	441		317		596	
50 PERCENT EXCEEDS	30		36		50	
90 PERCENT EXCEEDS	.78		1.5		1.6	

[a]Prior to regulation, water years 1940-74, 218 ft^3/s
[b]Maximum discharge for period of record, 32,200 ft^3/s May 20, 1960
[c]Maximum gage height for period of record, 23.76 ft May 20, 1960
[e]Estinated

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 27, 1995 to September 30, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
11...	1030	80513	81213	0.80	308	8.5	752	18.5	9.5	103
DEC										
13...	1300	80513	81213	3.8	220	8.4	742	7.0	10.6	90

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
11...	1030	140	K36	120	26	3.7	4.1	48	69
DEC									
13...	1300	160	160	K26	25	4.1	3.7	26	59

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
11...	1030	4	16	25	49	210	32	0.07	92
DEC									
13...	1300	2	11	13	24	133	4	0.04	35

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
29...	1423	80513	80513	100	0.0	0.0	5.00	130
29...	1424	80513	80513	100	0.0	0.0	15.0	--
29...	1425	80513	80513	100	0.0	0.0	25.0	--
29...	1427	80513	80513	100	0.30	0.30	35.0	--
29...	1428	80513	80513	100	0.50	0.50	45.0	--
29...	1429	80513	80513	100	0.50	1.00	55.0	--
29...	1430	80513	80513	100	0.50	0.50	65.0	--
29...	1431	80513	80513	100	0.50	0.50	75.0	--
29...	1432	80513	80513	100	0.20	0.20	85.0	--
29...	1433	80513	80513	100	0.0	0.0	95.0	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
29...	1423	69	6.9	6.0	11.9	97	750
29...	1424	69	6.8	6.0	11.9	97	750
29...	1425	66	6.7	6.0	12.1	98	750
29...	1427	69	6.7	6.0	12.0	98	750
29...	1428	69	6.8	6.0	12.1	99	750
29...	1429	69	6.9	6.0	12.2	99	750
29...	1430	69	6.7	6.0	12.1	98	750
29...	1431	69	6.7	6.0	12.2	99	750
29...	1432	70	6.7	6.0	12.1	98	750
29...	1433	70	6.7	6.0	12.2	99	750

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR										
19...	1210	80513	81213	410	128	7.5	749	10.0	8.6	77
MAY										
29...	1030	80513	81213	39	126	9.0	746	25.0	5.2	64
JUL										
31...	1000	80513	81213	350	110	7.1	749	25.0	4.1	50
SEP										
04...	1130	80513	81213	9.0	80	7.0	746	24.5	4.5	55

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR									
19...	1210	>1200	>1200	>2000	26	5.1	3.1	9.0	39
MAY									
29...	1030	K36	K20	96	21	3.5	2.9	9.0	43
JUL									
31...	1000	K1400	>1600	K5600	16	3.2	2.0	7.6	41
SEP									
04...	1130	70	K39	160	20	3.7	2.6	5.3	30

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	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)
MAR 19...	1210	0.8	4.3	14	10	84	128	142	85
MAY 29...	1030	0.9	3.8	8.5	8.4	68	32	3.4	86
JUL 31...	1000	0.8	5.6	7.5	8.5	76	90	85	87
SEP 04...	1130	0.5	5.3	6.8	4.6	68	29	0.70	95

07249400 JAMES FORK NEAR HACKETT

LOCATION.--Lat 35°09'45", long 94°24'25", in NW1/4NW1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above sea level. Prior to Oct. 1, 1990, at datum 2.00 ft higher.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.0	3.0	13	56	21	113	92	134	18	70	19
2	8.2	9.2	3.3	43	53	19	86	75	132	16	89	16
3	9.6	7.6	4.6	106	49	17	70	67	46	14	80	15
4	16	6.6	5.7	74	49	16	94	63	26	13	110	14
5	e10	6.2	5.8	97	44	16	87	55	19	14	46	13
6	6.3	5.6	6.3	78	39	15	65	50	18	12	27	12
7	5.3	5.4	5.5	66	41	14	56	49	25	11	19	11
8	4.9	5.2	6.2	49	43	13	49	45	25	10	17	9.6
9	4.3	4.5	6.4	39	41	13	42	39	18	9.5	14	8.5
10	4.3	3.9	6.5	41	37	12	37	61	15	9.8	17	7.6
11	4.1	3.9	7.2	54	34	11	33	322	14	22	18	6.7
12	4.2	3.3	6.9	54	31	11	83	105	12	132	13	6.3
13	3.8	2.9	7.7	43	29	10	592	62	17	115	11	6.0
14	3.5	3.5	7.4	36	28	10	242	50	26	122	10	5.6
15	3.3	4.0	6.9	31	26	10	142	42	15	165	8.8	273
16	3.4	4.5	6.4	28	25	10	99	38	12	50	7.9	823
17	3.1	4.7	77	28	23	9.5	79	31	11	30	10	163
18	3.0	4.9	248	669	22	25	65	25	11	22	8.8	71
19	2.5	5.0	207	241	24	108	55	25	11	16	7.2	45
20	2.4	5.3	77	129	24	54	53	20	11	13	6.1	35
21	2.0	5.7	45	91	23	37	50	18	9.3	12	5.5	30
22	2.5	6.3	32	81	22	30	4880	19	7.9	10	6.6	26
23	2.5	7.9	25	758	20	26	3230	19	6.7	244	4.6	22
24	3.3	11	21	485	19	42	681	17	5.8	77	4.2	184
25	3.9	12	19	225	17	88	423	15	5.4	32	4.0	102
26	3.7	13	17	159	17	60	288	13	23	25	133	1260
27	2.8	14	16	112	19	61	213	13	87	20	436	947
28	2.4	16	15	93	25	940	165	26	170	249	134	318
29	2.2	6.9	14	83	26	341	133	19	53	55	52	185
30	1.7	4.3	13	72	---	200	110	13	25	554	30	123
31	1.4	---	13	63	---	173	---	11	---	208	22	---
TOTAL	134.2	195.3	934.8	4141	906	2412.5	12315	1499	991.1	2300.3	1421.7	4757.3
MEAN	4.33	6.51	30.2	134	31.2	77.8	410	48.4	33.0	74.2	45.9	159
MAX	16	16	248	758	56	940	4880	322	170	554	436	1260
MIN	1.4	2.0	3.0	13	17	9.5	33	11	5.4	9.5	4.0	5.6
AC-FT	266	387	1850	8210	1800	4790	24430	2970	1970	4560	2820	9440
CFSM	.03	.04	.21	.91	.21	.53	2.79	.33	.22	.50	.31	1.08
IN.	.03	.05	.24	1.05	.23	.61	3.12	.38	.25	.58	.36	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	76.1	149	204	150	195	261	240	295	93.0	38.6	11.6	21.2
MAX	867	633	760	543	678	915	1047	1203	342	430	81.7	159
(WY)	1985	1985	1972	1995	1989	1973	1973	1990	1989	1961	1981	1996
MIN	.000	.000	.40	.50	1.08	.92	31.4	21.9	3.14	1.69	.015	.000
(WY)	1964	1964	1967	1964	1967	1967	1982	1962	1966	1964	1980	1963

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	44362.2		32008.2			
ANNUAL MEAN	122		87.5		143	
HIGHEST ANNUAL MEAN					308	1973
LOWEST ANNUAL MEAN					29.5	1976
HIGHEST DAILY MEAN	4730	May 8	4880	Apr 22	17100	May 14 1968
LOWEST DAILY MEAN	1.4	Oct 31	1.4	Oct 31	.00	Aug 17 1963
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 28	2.3	Oct 26	.00	Aug 17 1963
INSTANTANEOUS PEAK FLOW			8490	Apr 22	[a]30000	May 14 1968
INSTANTANEOUS PEAK STAGE			23.09	Apr 22	[b]25.00	May 14 1968
INSTANTANEOUS LOW FLOW			1.1	Oct 31,Nov.1	.00	at times
ANNUAL RUNOFF (AC-FT)	87990		63490		103600	
ANNUAL RUNOFF (CFSM)	.83		.59		.97	
ANNUAL RUNOFF (INCHES)	11.23		8.10		13.21	
10 PERCENT EXCEEDS	243		160		271	
50 PERCENT EXCEEDS	27		20		31	
90 PERCENT EXCEEDS	3.1		4.4		1.4	

[a]From rating curve extended above 20,000 ft³/s
[b]At present datum
[e]Estimated

07249400 JAMES FORK NEAR HACKETT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1971, October 1975 to September 1978, October 1983 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
13...	1030	80513	81213	4.0	388	8.2	752	18.0	9.2	98
DEC										
13...	1030	80513	81213	7.4	408	8.2	746	5.0	9.5	76

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
13...	1030	<48	66	100	120	18	19	28	32
DEC									
13...	1030	46	72	160	110	17	16	27	35

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
OCT									
13...	1030	1	3.1	87	6.4	242	--	--	--
DEC									
13...	1030	1	2.3	90	7.3	275	0.210	0.210	0.93

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
13...	1030	0.010	0.03	--	<0.020	0.010	0.01	0.29	0.30
DEC									
13...	1030	0.010	0.03	0.220	0.220	0.010	0.01	0.27	0.28

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
13...	1030	0.30	--	0.050	0.010	0.03	25	0.27	99
DEC									

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
29...	1558	80513	80513	100	0.50	0.50	71
29...	1559	80513	80513	100	0.30	0.30	--
29...	1600	80513	80513	100	0.40	0.40	--
29...	1601	80513	80513	100	0.70	0.70	--
29...	1602	80513	80513	100	0.60	0.60	--
29...	1603	80513	80513	100	0.60	0.60	--
29...	1604	80513	80513	100	0.70	0.70	--
29...	1605	80513	80513	100	1.00	2.00	--
29...	1607	80513	80513	100	1.00	2.00	--
29...	1608	80513	80513	100	1.00	2.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
29...	1558	171	7.3	6.5	12.5	103	752
29...	1559	169	7.3	6.5	12.1	100	752
29...	1600	172	7.2	6.5	12.1	99	752
29...	1601	171	7.2	6.5	11.9	98	752
29...	1602	171	7.2	6.5	11.9	98	752
29...	1603	171	7.1	6.5	11.9	98	752
29...	1604	170	7.2	6.5	11.9	98	752
29...	1605	170	7.1	6.0	11.9	97	752
29...	1607	171	7.2	6.0	11.9	98	752
29...	1608	171	7.1	6.0	12.0	98	752

07249400 JAMES FORK NEAR HACKETT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR										
19...	1400	80513	81213	85	302	8.1	750	10.0	9.6	87
MAY										
29...	1330	80513	81213	18	355	7.6	749	24.5	5.8	71
JUL										
30...	1345	80513	81213	1200	120	7.4	751	23.5	6.8	81
SEP										
04...	1345	80513	81213	23	230	8.9	749	24.0	5.1	62

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR									
19...	1400	740	520	380	100	17	15	11	18
MAY									
29...	1330	62	60	97	130	20	19	15	20
JUL									
30...	1345	3800	K700	K41000	13	2.9	1.5	4.1	32
SEP									
04...	1345	230	92	280	82	13	12	14	26

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
MAR									
19...	1400	0.5	1.8	77	6.6	176	0.050	--	--
MAY									
29...	1330	0.6	2.5	82	5.4	214	0.090	--	--
JUL									
30...	1345	0.5	4.1	3.6	3.2	58	0.241	0.241	1.1
SEP									
04...	1345	0.7	3.2	45	5.0	150	0.200	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAR									
19...	1400	<0.010	--	0.050	0.050	0.040	0.05	0.25	0.29
MAY									
29...	1330	<0.010	--	0.090	0.090	0.050	0.06	0.32	0.37
JUL									
30...	1345	0.019	0.06	0.260	0.260	0.063	0.08	2.2	2.3
SEP									
04...	1345	<0.010	--	0.200	0.200	0.040	0.05	0.46	0.50

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR									
19...	1400	0.34	0.050	<0.020	0.010	0.03	51	12	89
MAY									
29...	1330	0.46	<0.020	<0.020	<0.010	--	75	3.6	90
JUL									
30...	1345	2.6	0.800	0.320	0.260	0.80	642	2080	97
SEP									
04...	1345	0.70	0.050	<0.020	<0.010	--	49	3.0	99

07249985 LEE CREEK NEAR SHORT, OKLAHOMA

LOCATION.--Lat 35°31'09", long 94°27'58", in NW1/4NE1/4 sec.17, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Oklahoma, Hydrologic Unit 11110104, on left bank 0.5 mi west of Arkansas-Oklahoma State line, 500 ft downstream from Webbers Creek, 4.1 mi south of Short, Oklahoma, 7.5 mi southwest of Uniontown, Arkansas, and at mile 11.0.

DRAINAGE AREA.--420 mi^2.

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year. Prior to October 1992, published as "07250000 Lee Creek near Van Buren".

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M)/ WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 429.44 ft above sea level. Prior to October 1992 recording gage 3.2 mi downstream at datum 21.40 ft lower. September 1930 to June 1937, nonrecording gage at former site and datum.

REMARKS.--Records good except estimated daily discharges which are fair. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORDS.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks at former site and datum, discharge about 112,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	47	35	139	318	63	799	890	244	27	186	12
2	351	44	33	213	289	60	657	718	628	23	128	9.7
3	1270	40	32	322	252	56	572	603	389	20	158	9.4
4	585	37	29	324	214	54	665	522	314	20	126	9.0
5	362	35	28	330	210	52	829	455	255	27	76	7.5
6	247	36	26	353	199	51	674	400	214	28	53	6.1
7	181	40	24	333	195	48	590	465	215	23	42	5.0
8	141	38	25	287	195	45	530	446	179	20	35	4.0
9	112	36	24	266	194	44	464	358	157	17	30	3.1
10	91	34	24	254	189	43	409	311	134	16	25	2.4
11	73	33	23	276	174	42	368	2780	112	20	e23	1.6
12	59	32	22	475	160	40	434	1320	93	27	e20	1.2
13	49	33	22	485	148	39	2810	850	78	415	e19	.76
14	40	33	21	415	132	38	1730	674	65	269	e17	.37
15	35	33	21	360	130	38	1150	560	57	404	e15	1.2
16	32	33	21	309	121	38	874	460	50	284	e15	2.7
17	28	33	73	288	115	37	717	375	44	186	e220	3.7
18	25	32	630	7840	110	52	614	311	38	128	e300	5.1
19	23	32	2510	3220	106	61	535	260	86	101	149	3.8
20	21	31	1170	1740	102	128	478	219	114	72	112	2.9
21	18	29	698	1190	97	140	445	189	143	54	78	2.1
22	14	28	495	937	91	123	9650	225	94	42	54	1.4
23	18	29	378	833	88	109	9270	197	67	39	40	1.1
24	14	29	303	896	81	103	3580	163	50	63	31	4.5
25	14	29	252	748	77	192	2190	137	43	44	25	4.6
26	14	35	216	645	76	343	1480	115	40	34	23	3280
27	22	43	189	552	75	301	1100	105	39	30	30	3790
28	21	41	165	472	70	1830	900	103	41	25	26	1030
29	99	38	146	431	66	1930	1610	99	35	22	21	617
30	71	36	143	395	---	1220	1180	90	31	45	17	437
31	50	---	142	353	---	969	---	74	---	104	14	---
TOTAL	4186	1049	7920	25681	4274	8289	47304	14474	4049	2629	2108	9259.23
MEAN	135	35.0	255	828	147	267	1577	467	135	84.8	68.0	309
MAX	1270	47	2510	7840	318	1930	9650	2780	628	415	300	3790
MIN	14	28	21	139	66	37	368	74	31	16	14	.37
AC-FT	8300	2080	15710	50940	8480	16440	93830	28710	8030	5210	4180	18370
CFSM	.32	.08	.61	1.97	.35	.64	3.75	1.11	.32	.20	.16	.73
IN.	.37	.09	.70	2.27	.38	.73	4.19	1.28	.36	.23	.19	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1996, BY WATER YEAR (WY)

MEAN	239	511	548	539	703	1042	1083	957	428	124	49.1	139
MAX	2837	3572	2378	2557	2824	3100	3657	3516	4450	1909	583	1678
(WY)	1971	1974	1988	1932	1989	1973	1957	1957	1935	1958	1958	1974
MIN	.000	.13	1.95	3.31	18.8	25.2	94.6	41.3	7.00	.19	.000	.000
(WY)	1957	1957	1967	1956	1967	1967	1954	1977	1936	1936	1934	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1931 - 1996	
ANNUAL TOTAL	200959.17		131222.23			
ANNUAL MEAN	551		359		529	
HIGHEST ANNUAL MEAN					1090	1935
LOWEST ANNUAL MEAN					92.5	1954
HIGHEST DAILY MEAN	14700	May 8	9650	Apr 22	40000	Nov 24 1973
LOWEST DAILY MEAN	.00	Sep 7	.37	Sep 14	.00	Sep 8 1932
ANNUAL SEVEN-DAY MINIMUM	.06	Sep 6	1.5	Sep 10	.00	Sep 8 1932
INSTANTANEOUS PEAK FLOW			17500	Apr 22	80600	May 6 1960
INSTANTANEOUS PEAK STAGE			13.28	Apr 22	[a]30.30	May 6 1960
INSTANTANEOUS LOW FLOW			.15	Sep 15	.00	at times
ANNUAL RUNOFF (AC-FT)	398600		260300		383000	
ANNUAL RUNOFF (CFSM)	1.31		.85		1.26	
ANNUAL RUNOFF (INCHES)	17.80		11.62		17.10	
10 PERCENT EXCEEDS	1320		763		1200	
50 PERCENT EXCEEDS	225		92		130	
90 PERCENT EXCEEDS	10		18		2.2	

[a]At former site and datum
[e]Estimated

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN

LOCATION.--Lat 35°29'02", long 94°42'33", in SE1/4SW1/4, sec.3, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, in control house at dam on left bank, 2.8 mi northwest of Van Buren, and at mile 3.5.

DRAINAGE AREA.--432 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.

REMARKS.--Water-discharge records good, except estimated daily discharges which are fair. Records given herein represent spillway flow and do not include water diverted for municipal water supply of Fort Smith. Flow regulated by storage in Lee Creek Reservoir, capacity 7,118 acre-ft and power releases.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	50	29	114	222	44	693	857	149	16	79	16
2	.00	25	28	154	191	40	562	707	439	16	58	14
3	140	12	23	239	165	36	478	580	317	12	80	6.4
4	11	18	22	261	137	44	507	511	210	14	70	5.5
5	.00	27	18	258	133	45	695	432	188	21	37	5.5
6	.00	31	14	277	129	24	562	409	135	16	.80	2.4
7	.00	30	15	260	125	.46	502	434	122	16	4.7	.00
8	55	25	26	222	124	.92	438	448	99	12	5.0	.00
9	97	29	1.4	189	124	23	383	356	85	5.5	5.5	.00
10	38	30	4.1	185	121	37	323	295	80	5.5	5.5	.00
11	11	2.2	14	188	105	35	288	2440	74	20	5.5	.00
12	.00	6.9	16	332	98	36	319	1340	74	38	1.5	.00
13	.00	13	16	403	96	34	2420	821	57	222	.00	.00
14	38	22	18	347	84	30	1660	623	51	125	.00	.00
15	46	19	13	305	66	34	1010	502	43	155	.00	.00
16	.00	18	13	260	51	32	766	410	38	111	.00	.00
17	24	24	73	231	70	32	614	316	35	e60	162	.00
18	24	24	376	8300	73	51	525	252	29	16	254	.00
19	15	24	2060	3350	77	28	454	200	73	e.00	124	.00
20	2.6	24	1070	1610	66	38	392	163	67	e.00	79	.00
21	.00	20	601	1050	64	85	372	141	64	e.00	63	.00
22	.00	21	416	798	63	77	10400	163	63	e.00	47	.00
23	.23	25	301	697	52	72	11800	157	50	e.00	35	.00
24	.00	25	245	718	51	96	3700	113	37	e.00	30	.00
25	.00	31	201	619	56	85	2140	91	24	.00	32	.69
26	.00	32	175	525	55	238	1400	71	26	20	38	2350
27	11	22	149	427	52	230	1030	80	16	17	43	4840
28	6.4	16	125	363	34	1360	841	70	16	12	30	1000
29	30	25	112	327	42	1700	1380	64	16	7.7	23	573
30	54	28	121	285	---	769	1130	64	16	55	16	403
31	44	---	119	245	---	825	---	64	---	46	15	---
TOTAL	647.23	699.1	6414.5	23539	2726	6181.38	47784	13174	2693	1038.70	1343.50	9216.49
MEAN	20.9	23.3	207	759	94.0	199	1593	425	89.8	33.5	43.3	307
MAX	140	50	2060	8300	222	1700	11800	2440	439	222	254	4840
MIN	.00	2.2	1.4	114	34	.46	288	64	16	.00	.00	.00
AC-FT	1280	1390	12720	46690	5410	12260	94780	26130	5340	2060	2660	18280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	119	968	813	834	520	828	1379	1019	430	85.2	26.3	118
MAX	454	1978	1666	1407	908	1367	2178	1732	878	204	54.6	307
(WY)	1994	1995	1993	1995	1993	1994	1993	1995	1993	1994	1994	1996
MIN	.000	23.3	207	203	94.0	199	563	425	69.1	17.5	.000	.000
(WY)	1993	1996	1996	1994	1996	1996	1994	1996	1994	1993	1993	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	194847.83		115456.90			
ANNUAL MEAN	534		315		594	
HIGHEST ANNUAL MEAN					833	1993
LOWEST ANNUAL MEAN					315	1996
HIGHEST DAILY MEAN	17300	May 8	11800	Apr 23	18500	Dec 15 1992
LOWEST DAILY MEAN	.00	Aug 10	.00	Oct 1	.00	Oct 1 1992
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 10	.00	Jul 19	.00	Oct 1 1992
INSTANTANEOUS PEAK FLOW			19600	Apr 22	32000	Apr 14 1993
INSTANTANEOUS PEAK STAGE			23.13	Apr 22	24.23	Apr 14 1993
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	386500		229000		430400	
10 PERCENT EXCEEDS	1280		644		1430	
50 PERCENT EXCEEDS	184		52		160	
90 PERCENT EXCEEDS	.00		.00		.00	

eEstimated

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1992 to current year.

COOPERATION.--Power releases furnished by the City of Fort Smith.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
12...	1430	80513	81213	60	120	8.2	753	21.5	8.8	101	K10
DEC											
14...	0930	80513	81213	25	108	8.8	750	7.0	9.1	75	K3

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
12...	1430	27	23	39	13	1.6	3.6	16	0.3	1.5	5.3
DEC											
14...	0930	K1	K2	36	12	1.5	4.1	19	0.3	1.0	5.6

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT											
12...	1430	6.1	70	0.040	0.040	0.18	0.010	0.03	0.050	0.050	0.010
DEC											
14...	0930	7.6	68	--	--	--	0.010	0.03	--	<0.020	0.020

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
12...	1430	0.01	<0.20	<0.020	<0.020	<0.010	--	<0.100	15	2.4	97
DEC											
14...	0930	0.03	<0.20	<0.020	<0.020	0.010	0.03	3.00	9	0.61	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	1215	80513	80513	80.0	1.50	3.00	320
30...	1216	80513	80513	80.0	1.50	3.00	--
30...	1217	80513	80513	80.0	1.50	3.00	--
30...	1218	80513	80513	80.0	1.00	2.00	--
30...	1219	80513	80513	80.0	1.00	2.00	--
30...	1220	80513	80513	80.0	1.00	2.00	--
30...	1221	80513	80513	80.0	1.00	2.00	--
30...	1222	80513	80513	80.0	1.00	2.00	--
30...	1223	80513	80513	80.0	0.50	1.00	--
30...	1224	80513	80513	80.0	0.50	1.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1215	73	7.2	6.0	11.4	92	755
30...	1216	73	7.2	6.0	11.2	90	755
30...	1217	72	7.2	6.0	11.1	90	755
30...	1218	70	7.1	6.0	11.1	90	755
30...	1219	70	7.1	6.0	11.1	90	755
30...	1220	65	7.1	6.0	11.1	89	755
30...	1221	58	7.0	6.0	11.2	91	755
30...	1222	55	7.0	6.0	11.4	92	755
30...	1223	49	7.0	6.0	11.3	91	755
30...	1224	45	6.8	5.5	11.3	91	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAR											
14...	1000	80513	81213	37	92	7.5	748	11.5	8.5	79	43
APR											
23...	1245	80513	81213	11400	48	6.8	758	13.5	9.8	94	1300
JUL											
31...	1430	80513	81213	95	115	8.9	752	28.5	5.7	74	78
SEP											
03...	1100	80513	81213	26	112	8.8	751	26.0	5.3	66	K10

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAR 14...	1000	33	230	36	12	1.5	3.0	15	0.2	0.80	5.7
APR 23...	1245	1000	2500	17	5.2	0.90	1.0	11	0.1	1.1	3.7
JUL 31...	1430	74	120	42	14	1.6	3.0	13	0.2	1.7	4.2
SEP 03...	1100	K6	35	42	14	1.7	3.6	15	0.2	1.4	4.3

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
MAR 14...	1000	5.2	52	0.600	<0.010	0.600	0.600	0.030	0.04	--
APR 23...	1245	1.8	40	0.320	<0.010	0.320	0.320	0.010	0.01	0.71
JUL 31...	1430	3.7	74	0.040	<0.010	0.040	0.040	0.019	0.02	0.22
SEP 03...	1100	4.7	64	--	<0.010	--	<0.020	0.012	0.02	--

DATE	TIME	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)
MAR 14...	1000	<0.20	--	<0.020	<0.020	<0.010	<0.100	21	2.1	70
APR 23...	1245	0.72	1.0	0.210	0.030	<0.010	<0.100	292	8990	83
JUL 31...	1430	0.24	0.28	<0.020	<0.020	<0.010	2.80	34	8.7	61
SEP 03...	1100	<0.20	--	<0.020	<0.020	<0.010	--	14	0.98	98

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W.,Sebastian County, Hydrologic Unit 11110104, in metal shelter on dam and at mile 308.9.

DRAINAGE AREA.--150,547 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Water-discharge records good, except for discharges below 10,000 ft^3/s, which are fair. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 19, 1988, the Arkansas Electric Cooperative Corporation hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11100	11700	1720	5250	9790	4570	14500	46200	24700	7780	9030	21900
2	12700	7670	1570	E12300	11300	8920	5840	38300	24400	9460	11000	11500
3	22700	1280	4330	E6950	3870	1010	13300	33300	14800	8790	20000	14100
4	16100	30	3660	E3370	8080	4440	12000	34200	12100	8280	11400	20000
5	23100	30	4580	E5540	13600	7210	6650	18600	22300	9460	13800	20500
6	20900	15	1370	E8620	6910	13500	11800	30300	29200	8930	12400	18300
7	10400	2550	2880	E5340	3990	13300	3760	32800	31300	9190	22000	12700
8	8320	1950	5630	E6400	6790	11600	8570	29500	31400	12100	35400	9010
9	6500	2520	5660	E3320	7330	3420	7510	26600	26900	14100	28300	13600
10	6290	2270	1470	11200	2380	2310	13600	13900	19500	10700	8470	10200
11	3290	3100	3770	10700	6460	3210	8390	29900	23700	17900	20900	E5030
12	9230	5490	3400	6060	3960	4290	7530	28600	19600	29200	24400	E4480
13	9730	1750	4390	1020	5290	6010	15900	22300	23000	25000	26500	7010
14	1710	1560	4620	1150	3250	5180	13900	17800	26700	15900	26900	5870
15	5700	4810	6950	4910	12700	3610	16000	29600	30400	19100	30500	E3350
16	7480	1470	30	5010	11000	30	16200	26300	19200	16000	18200	E22600
17	3380	3540	6690	5710	5290	785	11800	24600	26000	16900	32500	E5880
18	2230	4380	12200	42700	4760	14100	13100	15300	7170	23600	31700	6890
19	9220	1270	16600	33400	10700	9660	14800	13000	14600	17900	17400	8220
20	1650	4060	9130	15100	2650	4260	6950	14400	14300	15600	22600	7370
21	16	3130	7280	26400	8020	128	3090	16100	15500	14400	31600	7120
22	1100	3090	4360	17200	11200	2420	64000	13800	8020	17100	20700	9570
23	11000	2730	2350	20000	10800	974	114000	14400	4450	18000	14500	12000
24	3480	5550	2360	17900	2160	3110	80100	14500	12300	16000	12800	19800
25	2910	16	3970	12700	3770	13500	66200	14200	9560	22200	26600	18300
26	1110	2140	2330	31600	10000	8840	53800	6640	7700	11200	15400	58100
27	1690	3350	3710	11200	9730	5720	38600	E11000	12000	4980	17700	120000
28	2910	6450	4190	2780	7760	33400	40600	E15000	10000	3260	28100	66400
29	90	2960	7260	19900	10100	23000	61300	8800	13800	11500	28900	E48000
30	2140	2190	3790	13700	---	7450	51700	E21000	7770	20100	18400	E78000
31	1890	---	7670	15100	---	17200	---	15800	---	5800	22200	---
TOTAL	220066	93051	149920	382530	213640	237157	795490	676740	542370	440430	660300	665800
MEAN	7099	3102	4836	12340	7367	7650	26520	21830	18080	14210	21300	22190
MAX	23100	11700	16600	42700	13600	33400	114000	46200	31400	29200	35400	120000
MIN	16	15	30	1020	2160	30	3090	6640	4450	3260	8470	3350
AC-FT	436500	184600	297400	758700	423800	470400	1578000	1342000	1076000	873600	1310000	1321000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	26460	37020	37080	32470	32790	56330	60430	65790	61680	29680	16420	16290
MAX	224500	161200	139700	112300	87650	147200	164300	187500	191500	104500	62670	54130
(WY)	1987	1975	1993	1993	1993	1987	1973	1990	1995	1995	1992	1989
MIN	1446	1329	3187	696	2655	5658	2910	12160	4688	4457	4378	3341
(WY)	1981	1981	1981	1981	1981	1981	1981	1971	1988	1988	1991	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1970 - 1996	
ANNUAL TOTAL	20759309		5077494			
ANNUAL MEAN	56870		13870		[a]39370	
HIGHEST ANNUAL MEAN					87670	1993
LOWEST ANNUAL MEAN					7737	1981
HIGHEST DAILY MEAN	290000	Jun 15	120000	Sep 27	397000	May 5 1990
LOWEST DAILY MEAN	15	Nov 6	15	Nov 6	[b].00	[c]Nov 2 1975
ANNUAL SEVEN-DAY MINIMUM	1200	Nov 3	1200	Nov 3	364	Jan 14 1981
INSTANTANEOUS PEAK FLOW			131000	Sep 27	[d]401000	May 5 1990
INSTANTANEOUS PEAK STAGE			388.14	Sep 27	[e]401.75	May 5 1990
ANNUAL RUNOFF (AC-FT)	41180000		10070000		28520000	
10 PERCENT EXCEEDS	152000		29200		108000	
50 PERCENT EXCEEDS	38700		10100		22800	
90 PERCENT EXCEEDS	2670		2300		3100	

[a]Prior to regulation, water years 1928-69, 30,220 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Also Feb. 1, 1981; Oct. 17, 1987; Dec. 9, 1989; Nov. 11-12, 1993; and Jan. 9, 13, 1994
[d]Maximum discharge for period of record, 850,000 ft^3/s May 12, 1943
[e]Maximum gage height for period of record 38.10 ft, Apr. 16, 1945, at former site and datum
[E]Estimated

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
10...	1430	80513	81213	10500	690	8.6	754	23.0	9.5	113
DEC										
14...	1230	80513	81213	5990	610	8.5	750	8.5	9.5	82

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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										
10...	1430	K34	K26	K15	150	42	11	72	50	3
DEC										
14...	1230	34	34	K11	150	41	11	71	50	3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT									
10...	1430	5.2	57	110	402	0.310	0.310	1.4	0.010
DEC									
14...	1230	4.2	60	110	406	0.280	0.280	1.2	0.010

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT									
10...	1430	0.03	0.320	0.320	0.020	0.03	0.48	0.50	0.82
DEC									
14...	1230	0.03	0.290	0.290	0.030	0.04	0.44	0.47	0.76

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
10...	1430	0.080	0.060	0.060	0.18	2.00	74	2100	100
DEC									
14...	1230	0.070	0.030	0.050	0.15	3.00	35	566	65

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	0814	80513	80513	1000	7.50	15.0	20700
30...	0816	80513	80513	1000	7.50	15.0	--
30...	0817	80513	80513	1000	7.50	15.0	--
30...	0819	80513	80513	1000	7.50	15.0	--
30...	0820	80513	80513	1000	7.50	15.0	--
30...	0821	80513	80513	1000	7.50	15.0	--
30...	0822	80513	80513	1000	5.00	10.0	--
30...	0823	80513	80513	1000	4.00	8.00	--
30...	0824	80513	80513	1000	4.00	8.00	--
30...	0825	80513	80513	1000	4.00	8.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	0814	545	7.7	4.0	13.2	103	755
30...	0816	540	7.8	4.5	13.3	103	755
30...	0817	546	7.9	4.0	12.8	99	755
30...	0819	542	7.9	4.0	13.3	103	755
30...	0820	538	7.9	4.0	13.2	103	755
30...	0821	543	8.0	4.0	13.3	103	755
30...	0822	548	8.0	4.0	13.2	102	755
30...	0823	551	8.0	4.0	13.1	102	755
30...	0824	551	8.0	4.0	12.8	99	755
30...	0825	554	8.0	4.0	13.0	101	755

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR 14...	1200	80513	81213	10200	810	8.8	748	9.5	12.4	111
MAY 22...	1330	80513	81213	28000	402	8.1	749	24.5	6.7	81
JUL 30...	1000	80513	81213	15100	650	8.6	754	29.5	5.0	67
AUG 27...	1130	80513	81213	15000	1300	8.6	752	28.5	5.5	72

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
MAR 14...	1200	<1	K7	K2	180	47	14	100	55	3
MAY 22...	1330	150	220	110	110	33	7.1	28	34	1
JUL 30...	1000	44	K36	670	130	34	9.8	72	55	3
AUG 27...	1130	K2900	K2600	230	190	49	17	180	66	6

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
MAR 14...	1200	4.0	70	160	482	--	--	--	<0.010
MAY 22...	1330	3.5	37	40	232	0.220	0.220	0.97	0.020
JUL 30...	1000	3.3	60	120	424	--	--	--	<0.010
AUG 27...	1130	4.9	89	290	824	--	--	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
MAR 14...	1200	--	--	<0.020	0.030	0.04	0.58	0.61	0.61
MAY 22...	1330	0.07	0.240	0.240	0.030	0.04	0.66	0.69	0.93
JUL 30...	1000	--	--	<0.020	0.067	0.09	0.51	0.58	0.58
AUG 27...	1130	--	--	--	<0.010	--	0.49	0.49	0.49

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 14...	1200	0.020	<0.020	0.010	0.03	12.0	81	2230	97
MAY 22...	1330	0.090	0.020	0.010	0.03	9.64	74	5590	94
JUL 30...	1000	0.030	<0.020	0.030	0.09	3.80	47	1920	98
AUG 27...	1130	0.090	0.030	<0.010	--	--	104	4210	98

07260500 PETIT JEAN RIVER AT DANVILLE

LOCATION.--Lat 35°03'33", long 93°23'44", in NW1/4SE1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on right bank 125 ft upstream of bridge on State Highway 10 at Danville, 0.3 mi upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 48.8.

DRAINAGE AREA.--764 mi².

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft above sea level. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. As of July 1986, flow from 51.6 mi² upstream from this station is controlled by 3 floodwater-detention reservoirs that have a total combined capacity of 23,737 acre-ft below the spillway crests, of which 16,361 acre-ft is flood-detention capacity, 4,500 acre-ft is water-supply storage, and 2,876 acre-ft is sediment-storage capacity. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	.99	1.4	44	223	19	1020	2140	2030	294	547	56
2	2.6	1.1	1.4	75	149	e19	994	2290	4380	290	369	56
3	2.8	1.2	1.4	393	124	17	959	2330	2070	173	240	56
4	129	1.2	1.4	463	118	16	580	2290	897	102	170	53
5	90	1.2	1.4	404	114	16	471	2210	1420	89	157	53
6	26	1.2	1.4	277	112	31	370	2220	1490	72	111	37
7	21	1.2	1.4	205	112	26	321	1810	1570	61	81	13
8	17	1.3	1.5	186	113	31	220	1970	1300	59	61	11
9	7.6	1.3	1.5	170	110	24	191	2200	957	59	50	13
10	5.0	1.3	1.5	160	108	26	184	2380	852	66	49	13
11	3.3	1.3	1.5	154	106	27	179	3670	314	66	47	12
12	2.3	1.3	1.6	149	101	28	179	3150	161	70	53	11
13	1.9	1.3	1.6	144	101	29	394	1630	121	72	43	11
14	1.7	1.3	1.6	143	101	27	669	2130	159	73	34	10
15	1.7	1.3	1.6	135	61	26	513	2280	175	104	31	17
16	1.6	1.3	1.6	130	27	27	1250	2360	164	129	32	91
17	1.5	1.3	12	371	25	26	1500	2220	157	149	33	79
18	1.5	1.3	189	532	24	30	1450	1310	225	146	34	278
19	1.4	1.3	356	589	26	75	1330	1040	111	140	37	365
20	1.3	1.3	767	413	19	160	897	1000	170	98	33	195
21	1.3	1.3	618	313	17	121	772	507	240	60	16	44
22	1.2	1.3	330	295	15	97	1270	300	230	56	8.6	33
23	1.2	1.3	159	294	18	83	4490	227	220	63	6.5	31
24	1.1	1.3	106	358	18	77	3560	201	151	61	60	39
25	1.1	1.3	97	895	15	121	1920	172	105	56	99	156
26	1.0	1.3	89	935	15	165	1760	155	73	165	104	236
27	1.0	1.3	80	763	17	405	1660	170	92	208	118	728
28	.98	1.3	74	670	17	509	1520	213	264	206	148	351
29	.95	1.3	70	310	20	737	1930	144	315	203	228	638
30	.93	1.3	62	239	---	1040	1980	128	304	224	179	677
31	.91	---	45	228	---	1050	---	118	---	240	89	---
TOTAL	334.17	37.99	3077.8	10437	2026	5085	34533	44965	20717	3854	3268.1	4363
MEAN	10.8	1.27	99.3	337	69.9	164	1151	1450	691	124	105	145
MAX	129	1.3	767	935	223	1050	4490	3670	4380	294	547	728
MIN	.91	.99	1.4	44	15	16	179	118	73	56	6.5	10
AC-FT	663	75	6100	20700	4020	10090	68500	89190	41090	7640	6480	8650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1996, BY WATER YEAR (WY)

MEAN	187	562	1147	1122	1275	1456	1350	1484	779	337	188	113
MAX	3261	3296	4004	3821	4941	3233	3821	6142	2801	2268	2101	1108
(WY)	1985	1973	1983	1950	1949	1973	1957	1990	1957	1957	1957	1950
MIN	1.03	1.27	3.84	3.82	25.2	82.5	106	46.4	26.9	2.49	4.07	6.79
(WY)	1947	1996	1966	1964	1967	1967	1963	1977	1966	1985	1947	1982

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1947 - 1996	
ANNUAL TOTAL	254320.76		132698.06			
ANNUAL MEAN	697		363		[a]831	
HIGHEST ANNUAL MEAN					1920	1973
LOWEST ANNUAL MEAN					187	1976
HIGHEST DAILY MEAN	6620	May 9	4490	Apr 23	26400	Dec 3 1982
LOWEST DAILY MEAN	.91	Oct 31	.91	Oct 31	.00	Aug 11 1956
ANNUAL SEVEN-DAY MINIMUM	.97	Oct 26	.97	Oct 26	.13	Nov 2 1988
INSTANTANEOUS PEAK FLOW			4960	Apr 23	[b]47500	Dec 3 1982
INSTANTANEOUS PEAK STAGE			20.67	Apr 23	[c]29.36	Dec 3 1982
INSTANTANEOUS LOW FLOW			.90	Nov 1	.00	Jan 1 1982
ANNUAL RUNOFF (AC-FT)	504400		263200		602300	
10 PERCENT EXCEEDS	2570		1280		2530	
50 PERCENT EXCEEDS	152		101		182	
90 PERCENT EXCEEDS	1.3		1.3		11	

[a]Prior to regulation, water years 1917-46, 845 ft³/s
[b]Maximum discharge for period of record, 70,800 ft³/s Apr. 17, 1939
[c]Maximum gage height for period of record, 31.82 ft Apr. 17, 1939
[e]Estimated

07261000 CADRON CREEK NEAR GUY

LOCATION.--Lat 35°17'56", long 92°24'10", in NW1/4SE1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e3.0	e13	81	e180	e145	e240	273	179	25	e8.0	.10
2	.22	e4.5	e9.0	122	e170	e140	e200	242	253	21	e5.5	.14
3	1.3	e2.2	e7.5	265	e160	e135	e185	218	238	19	e4.0	.06
4	2.8	e1.8	e6.0	234	e140	e130	e175	196	1090	21	e3.2	.05
5	3.9	e1.5	e5.2	193	e130	e125	e160	166	473	21	e2.3	.00
6	3.7	e1.3	3.8	158	e125	e120	e145	165	296	19	e1.8	.02
7	2.7	e3.0	3.2	140	e120	e115	e135	664	701	17	e1.5	.00
8	2.3	e6.0	3.3	120	e115	e110	e130	411	715	15	e1.3	.03
9	1.4	e5.0	4.8	119	e110	e105	e120	295	445	13	e1.1	.00
10	.90	e3.5	3.7	112	e105	e100	e110	248	315	12	e1.0	.02
11	.69	e4.0	3.9	108	e100	e97	e250	280	241	10	e.90	.00
12	.47	e4.5	4.5	109	e98	e95	e600	267	202	9.4	e.80	.00
13	.30	e5.5	4.6	103	e96	e90	e330	223	221	8.3	e1.4	.00
14	.27	e6.5	4.8	94	e93	e90	e210	206	252	6.9	e1.6	.00
15	.18	e7.0	5.2	91	e91	e100	189	193	229	6.4	e1.1	.20
16	.06	e6.9	5.1	85	e90	e110	186	178	203	5.5	e.80	1.8
17	e.00	e6.8	76	e120	e90	e130	174	161	193	4.5	e.70	.49
18	e.00	e6.6	1470	e150	e110	e150	162	148	e155	4.2	e.60	.08
19	e.02	e5.4	662	e200	e150	e140	149	140	e125	5.6	e1.2	1.0
20	e.07	e5.0	421	e350	e210	e130	328	130	e105	4.0	e3.5	6.4
21	e.20	e5.2	237	e200	e200	e120	369	119	e85	3.3	e2.4	19
22	e.65	e5.4	177	e170	e190	e115	348	114	e70	2.3	e1.6	25
23	e.60	e5.8	142	e250	e180	e110	1230	137	e57	1.8	1.2	30
24	e.55	e6.2	122	e400	e175	e350	761	127	e47	.98	.99	25
25	e.50	e6.6	105	e600	e170	e900	484	114	e39	.47	1.7	20
26	e.60	e7.2	96	e450	e165	e600	356	101	e34	1.5	13	24
27	e.70	e7.6	87	e350	e160	e450	282	150	e29	4.5	5.2	53
28	e.90	e8.0	78	e300	e155	e390	246	266	e29	5.2	2.7	78
29	e1.1	e10	71	e250	e150	e350	329	185	e28	10	1.4	55
30	e1.3	e12	70	e220	---	e280	347	147	e27	16	.58	42
31	e1.7	---	75	e200	---	e250	---	126	---	11	.21	---
TOTAL	30.08	164.0	3976.6	6344	4028	6272	8930	6390	7076	304.85	73.28	381.39
MEAN	.97	5.47	128	205	139	202	298	206	236	9.83	2.36	12.7
MAX	3.9	12	1470	600	210	900	1230	664	1090	25	13	78
MIN	.00	1.3	3.2	81	90	90	110	101	27	.47	.21	.00
AC-FT	60	325	7890	12580	7990	12440	17710	12670	14040	605	145	756
CFSM	.01	.03	.76	1.21	.82	1.20	1.76	1.22	1.40	.06	.01	.08
IN.	.01	.04	.88	1.40	.89	1.38	1.97	1.41	1.56	.07	.02	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	80.4	291	429	382	464	554	490	395	150	41.2	46.0	59.6
MAX	872	1318	1875	1679	1498	1542	1818	1606	867	333	1145	523
(WY)	1985	1958	1983	1991	1956	1975	1973	1968	1974	1960	1957	1977
MIN	.000	.000	6.97	21.0	49.6	91.8	81.1	33.4	5.25	.98	.094	.025
(WY)	1955	1955	1955	1955	1963	1972	1960	1988	1988	1985	1980	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	49744.05		43970.20			
ANNUAL MEAN	136		120		281	
HIGHEST ANNUAL MEAN					566	1973
LOWEST ANNUAL MEAN					120	1996
HIGHEST DAILY MEAN	3740	Apr 11	1470	Dec 18	14800	Dec 4 1982
LOWEST DAILY MEAN	.00	Sep 1	.00	Oct 1	.00	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 5	.01	Sep 7	.00	Oct 1 1954
INSTANTANEOUS PEAK FLOW			2680	Dec 18	24200	Dec 4 1982
INSTANTANEOUS PEAK STAGE			8.51	Dec 18	29.29	Dec 4 1982
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	98670		87210		203500	
ANNUAL RUNOFF (CFSM)	.81		.71		1.66	
ANNUAL RUNOFF (INCHES)	10.95		9.68		22.58	
10 PERCENT EXCEEDS	308		286		657	
50 PERCENT EXCEEDS	36		79		95	
90 PERCENT EXCEEDS	.10		.60		1.5	

eEstimated

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION

LOCATION.--Lat 34°52'33, long 92°46'28", in SE1/4NE1/4 sec.26, T.3 N., R.17 W., Perry County, Hydrologic Unit 11110207, near left bank on downstream side of State Highway 9 bridge 0.4 mi south of Williams Junction.

DRAINAGE AREA.--46.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 386.45 ft above sea level.

REMARKS.--Water-discharge records fair, except for those below 2.0 ft^3/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	4.4	e3.1	31	e20	27	74	18	58	1.1	4.7	.22
2	.00	9.2	e2.9	213	e18	23	59	14	46	.85	3.5	.21
3	.00	8.4	e2.7	141	e17	20	49	11	22	.58	2.8	.21
4	.00	5.4	e2.6	78	e16	17	41	9.1	18	.65	2.2	.09
5	.00	3.4	e2.5	51	e15	17	33	7.4	31	.94	1.6	.00
6	.00	3.4	e2.3	39	14	26	28	7.6	84	1.1	1.1	.00
7	.00	3.9	e2.2	e34	13	19	26	34	944	1.1	.90	.00
8	.00	2.7	e3.5	e29	12	16	23	30	170	.89	.82	.03
9	.00	3.1	e3.0	24	12	14	20	17	82	.77	1.5	.09
10	.00	5.4	e2.5	22	11	12	18	13	51	.67	5.7	.04
11	.00	13	e2.1	20	10	12	17	135	34	.71	3.5	.02
12	.00	8.0	e1.9	18	9.1	11	31	98	24	.81	2.4	.00
13	.00	6.5	e1.7	16	8.7	11	244	54	26	.76	1.4	.00
14	.00	5.3	e1.6	15	8.3	10	182	37	19	.79	.90	.00
15	.00	4.3	1.4	13	7.8	10	125	27	14	.76	.64	.00
16	.00	4.1	1.7	12	7.4	9.1	84	18	12	.62	.37	.00
17	.00	3.8	68	12	7.3	8.8	62	13	9.3	.61	.18	.00
18	.00	4.1	114	24	7.0	44	49	9.2	7.8	.52	.47	.00
19	.00	4.2	106	36	8.3	88	41	6.8	6.3	.46	.62	.00
20	.00	3.2	54	34	9.8	61	124	5.3	5.4	.28	.55	.30
21	.00	4.1	33	29	9.5	46	99	19	4.4	.46	.55	1.7
22	.00	2.6	24	26	9.1	37	224	28	3.6	1.3	.40	1.5
23	.00	5.2	18	57	8.8	31	291	13	3.0	1.5	.32	1.2
24	.00	4.7	15	119	8.0	39	147	7.3	2.4	7.1	.35	4.1
25	.00	e4.5	13	79	7.4	140	90	4.9	1.9	2.8	.40	14
26	.00	e4.2	11	59	7.4	92	56	3.7	2.6	2.5	.25	17
27	.00	e3.9	9.8	42	41	66	36	8.6	3.8	2.0	.52	62
28	.00	e3.7	8.8	33	46	72	28	9.4	3.0	1.7	.76	55
29	.00	e3.5	8.0	29	33	70	39	5.6	2.0	2.4	.62	27
30	.00	e3.3	8.2	25	---	68	26	4.0	1.5	9.1	.42	17
31	.00	---	8.7	22	---	104	---	3.4	---	7.6	.28	---
TOTAL	0.00	145.5	537.2	1382	401.9	1220.9	2366	671.3	1692.0	53.43	40.72	201.71
MEAN	.000	4.85	17.3	44.6	13.9	39.4	78.9	21.7	56.4	1.72	1.31	6.72
MAX	.00	13	114	213	46	140	291	135	944	9.1	5.7	62
MIN	.00	2.6	1.4	12	7.0	8.8	17	3.4	1.5	.28	.18	.00
AC-FT	.00	289	1070	2740	797	2420	4690	1330	3360	106	81	400
CFSM	.00	.11	.38	.97	.30	.85	1.71	.47	1.22	.04	.03	.15
IN.	.00	.12	.43	1.12	.32	.99	1.91	.54	1.37	.04	.03	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	23.3	51.6	130	119	84.1	106	125	88.8	23.4	12.0	2.49	3.37
MAX	85.9	132	222	228	246	256	247	257	56.4	47.3	12.9	10.7
(WY)	1991	1992	1992	1991	1990	1990	1991	1990	1996	1994	1992	1991
MIN	.000	3.97	3.53	44.6	13.9	39.4	8.26	1.20	6.94	.016	.000	.000
(WY)	1993	1990	1990	1996	1996	1996	1992	1992	1994	1990	1990	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	14691.33		8712.66			
ANNUAL MEAN	40.3		23.8		64.1	
HIGHEST ANNUAL MEAN					91.9	1990
LOWEST ANNUAL MEAN					23.8	1996
HIGHEST DAILY MEAN	1200	Jan 13	944	Jun 7	2620	Dec 3 1993
LOWEST DAILY MEAN	.00	Jul 28	.00	Oct 1	.00	Jul 4 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 28	.00	Oct 1	.00	Jul 4 1990
INSTANTANEOUS PEAK FLOW			2620	Jun 7	6450	Dec 3 1993
INSTANTANEOUS PEAK STAGE			8.83	Jun 7	12.19	Dec 3 1993
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	29140		17280		46410	
ANNUAL RUNOFF (CFSM)	.87		.52		1.39	
ANNUAL RUNOFF (INCHES)	11.86		7.03		18.88	
10 PERCENT EXCEEDS	93		60		147	
50 PERCENT EXCEEDS	11		7.5		13	
90 PERCENT EXCEEDS	.00		.00		.00	

eEstimated

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	1030	80513	81213	28	6.6	757	9.5	15	2.8	9.4	82
FEB 05...	1100	80513	81213	20	6.5	758	1.0	10	3.8	13.3	93
APR 04...	1200	80513	81213	23	6.8	759	13.5	10	4.1	9.7	94
MAY 08...	1045	80513	81213	23	6.1	747	20.5	30	6.8	8.1	92
JUN 07...	0845	80513	81213	21	7.2	750	18.5	80	41	8.7	94
JUL 08...	1100	80513	81213	34	6.1	740	27.5	30	2.5	5.9	78

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
DEC 05...	1030	130	68	9	1.4	1.4	1.6	25	0.2	0.80	9
FEB 05...	1100	<1	<1	6	0.90	1.0	1.1	26	0.2	0.40	6
APR 04...	1200	<1	20	6	0.90	0.90	1.5	34	0.3	0.40	5
MAY 08...	1045	98	42	7	1.1	1.1	1.6	31	0.3	0.50	8
JUN 07...	0845	4900	K1300	7	1.2	0.90	<0.10	--	--	0.80	50
JUL 08...	1100	28	440	13	2.0	2.0	2.0	24	0.2	0.70	13

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC 05...	1030	3.9	2.2	<0.10	4.9	10	22	0.01	--	--	--
FEB 05...	1100	2.9	2.2	<0.10	6.2	<1	18	0.02	0.006	0.006	0.03
APR 04...	1200	2.6	1.9	<0.10	5.8	18	17	0.02	0.002	0.002	0.01
MAY 08...	1045	2.0	1.9	<0.10	6.3	22	19	0.03	0.002	0.002	0.01
JUN 07...	0845	2.5	0.90	<0.10	5.4	34	--	--	0.021	0.021	0.09
JUL 08...	1100	1.3	2.6	<0.10	5.0	34	24	0.05	0.029	0.029	0.13

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
DEC 05...	1030	0.001	0.00	--	<0.002	<0.002	--	--	<0.20	--	0.007
FEB 05...	1100	0.001	0.00	0.007	0.007	0.003	0.00	--	<0.20	--	0.005
APR 04...	1200	0.001	0.00	0.003	0.003	0.003	0.00	--	<0.20	--	0.005
MAY 08...	1045	0.001	0.00	0.003	0.003	<0.002	--	--	<0.20	--	0.010
JUN 07...	0845	0.004	0.01	0.025	0.025	0.011	0.01	0.46	0.47	0.50	0.050
JUL 08...	1100	0.001	0.00	0.030	0.030	0.009	0.01	--	<0.20	--	0.020

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC 05...	1030	<0.001	--	2.5	2.3	170	260	12	10	<0.10	--
FEB 05...	1100	<0.001	--	0.60	<0.10	96	130	5	4.4	<0.10	7
APR 04...	1200	0.001	0.00	0.80	0.80	150	150	8	5.2	<0.10	12
MAY 08...	1045	<0.001	--	5.0	4.1	280	490	23	15	<0.10	13
JUN 07...	0845	0.004	0.01	7.7	7.6	350	1100	100	74	<0.10	63
JUL 08...	1100	<0.001	--	6.1	5.7	550	850	55	38	<0.10	--

07263297 LAKE MAUMELLE EAST OF HWY 10 BRIDGE NEAR WYE

LOCATION.--Lat 34°52'31", long 92°38'53", in SW1/4NW1/4 sec.30, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, downstream from bridge on State Highway 10, 4.3 mi south of Wye.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	1038	80513	80513	0.0	16.2	22	7.3	9.0	11.6	100	767
07...	1042	80513	80513	5.00	16.2	22	6.9	9.0	10.8	93	767
07...	1043	80513	80513	10.0	16.2	23	6.8	8.5	10.8	92	767
07...	1044	80513	80513	15.0	16.2	23	6.7	8.5	10.8	92	767
07...	1045	80513	80513	16.0	16.2	23	6.8	9.0	10.7	92	767
07...	1100	80513	81213	--	16.2	22	6.9	--	--	--	767
FEB											
06...	1050	80513	80513	0.0	7.0	23	6.8	2.5	13.6	99	770
06...	1051	80513	80513	5.00	7.0	23	6.7	3.0	12.5	92	770
06...	1052	80513	80513	7.00	7.0	23	6.7	3.0	12.1	89	770
06...	1100	80513	81213	--	7.0	23	6.7	--	--	--	770
APR											
08...	1102	80513	80513	0.0	17.0	23	6.6	12.5	10.3	97	759
08...	1103	80513	80513	5.00	17.0	23	6.6	12.5	10.1	96	759
08...	1104	80513	80513	10.0	17.0	23	6.5	12.5	10.2	96	759
08...	1105	80513	80513	15.0	17.0	23	6.5	12.5	10.1	95	759
08...	1106	80513	80513	16.0	17.0	23	6.5	12.5	10.1	95	759
08...	1120	80513	81213	--	17.0	23	6.5	--	--	--	759
MAY											
06...	1123	80513	80513	0.0	19.0	24	6.5	20.5	8.8	99	760
06...	1124	80513	80513	5.00	19.0	24	6.5	20.0	9.0	98	760
06...	1125	80513	80513	10.0	19.0	24	6.3	19.0	8.6	93	760
06...	1126	80513	80513	12.0	19.0	24	6.2	18.0	8.0	85	760
06...	1127	80513	80513	15.0	19.0	24	6.0	17.5	6.9	72	760
06...	1129	80513	80513	19.0	19.0	24	6.0	17.5	6.3	65	760
06...	1135	80513	81213	--	19.0	24	6.2	--	--	--	760
JUL											
09...	1117	80513	80513	0.0	20.0	25	6.1	29.0	6.3	82	757
09...	1118	80513	80513	5.00	20.0	25	6.1	28.5	6.3	82	757
09...	1119	80513	80513	10.0	20.0	25	5.9	27.5	4.6	59	757
09...	1120	80513	80513	12.0	20.0	27	5.7	26.5	1.7	22	757
09...	1121	80513	80513	15.0	20.0	31	5.7	26.0	0.2	3	757
09...	1123	80513	80513	20.0	20.0	39	6.0	25.0	0.1	1	757
09...	1130	80513	81213	--	20.0	24	5.9	--	--	--	757
SEP											
10...	1126	80513	80513	0.0	24.0	25	6.2	27.5	6.4	81	761
10...	1127	80513	80513	5.00	24.0	25	6.2	27.0	6.2	78	761
10...	1128	80513	80513	10.0	24.0	25	6.1	26.5	6.2	78	761
10...	1129	80513	80513	15.0	24.0	26	6.0	26.5	6.0	74	761
10...	1130	80513	80513	20.0	24.0	26	6.1	26.5	6.0	74	761
10...	1131	80513	80513	24.0	24.0	26	6.0	26.5	5.8	72	761
10...	1140	80513	81213	--	24.0	--	--	--	--	--	761

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
07...	1038	--	--	--	--	1.10	--	--	--	--	--
07...	1100	0.0	16	10	7.4	--	K1	K2	7	6	0.002
FEB											
06...	1050	--	--	--	--	1.60	--	--	--	--	--
06...	1100	0.0	7.0	10	4.9	--	<1	<1	6	38	--
APR											
08...	1102	--	--	--	--	1.30	--	--	--	--	--
08...	1120	0.0	17	10	5.6	--	K1	<1	7	16	0.005
MAY											
06...	1123	--	--	--	--	1.70	--	--	--	--	--
06...	1135	0.0	18	10	2.7	--	<1	<1	6	18	--
JUL											
09...	1117	--	--	--	--	1.10	--	--	--	--	--
09...	1130	0.0	18	20	3.8	--	<1	K2	7	24	--
SEP											
10...	1126	--	--	--	--	1.10	--	--	--	--	--
10...	1140	0.0	24	5	5.1	--	K4	K10	7	20	--

07263297 LAKE MAUMELLE EAST OF HWY 10 BRIDGE NEAR WYE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
07...	1100	0.002	0.01	0.001	0.00	0.003	0.003	0.002	0.00	0.27
FEB										
06...	1100	--	--	0.001	0.00	--	<0.002	0.004	0.01	--
APR										
08...	1120	0.005	0.02	0.001	0.00	0.006	0.006	0.006	0.01	--
MAY										
06...	1135	--	--	<0.001	--	--	<0.002	0.003	0.00	0.20
JUL										
09...	1130	--	--	0.001	0.00	--	<0.002	0.003	0.00	0.20
SEP										
10...	1140	--	--	0.001	0.00	--	<0.002	0.006	0.01	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
07...	1100	0.27	0.27	0.015	<0.001	2.4	440	52	2.2	3.00
FEB										
06...	1100	<0.20	--	0.006	<0.001	1.1	180	22	<0.10	3.00
APR										
08...	1120	<0.20	--	0.011	<0.001	1.5	240	29	1.5	1.00
MAY										
06...	1135	0.20	0.20	0.010	<0.001	4.1	160	34	3.5	1.50
JUL										
09...	1130	0.20	0.20	0.020	<0.001	5.2	270	140	4.7	2.21
SEP										
10...	1140	<0.20	--	0.010	<0.001	6.0	280	92	5.8	3.20

07263299 LAKE MAUMELLE NEAR LITTLE ITALY

LOCATION.--Lat 34°43'34", long 92°34'35", in SW1/4NW1/4 sec.26, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, on Lake Maumelle, 4.0 mi southwest of Little Italy.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	0924	80513	80513	0.0	40.0	22	6.8	11.0	10.5	96	757
07...	0925	80513	80513	5.00	40.0	22	6.7	11.0	10.3	94	757
07...	0926	80513	80513	10.0	40.0	22	6.6	11.0	10.2	93	757
07...	0927	80513	80513	15.0	40.0	22	6.6	11.0	10.2	93	757
07...	0928	80513	80513	20.0	40.0	22	6.6	11.0	10.1	92	757
07...	0929	80513	80513	25.0	40.0	22	6.5	11.0	10.2	93	757
07...	0930	80513	80513	30.0	40.0	22	6.6	11.0	10.1	92	757
07...	0931	80513	80513	35.0	40.0	22	6.5	11.0	10.1	92	757
07...	0932	80513	80513	40.0	40.0	22	6.5	11.0	10	91	757
07...	0945	80513	81213	--	40.0	22	6.8	--	--	--	757
FEB											
06...	0758	80513	80513	0.0	26.0	22	6.3	3.0	11.9	88	770
06...	0759	80513	80513	5.00	26.0	22	6.4	3.0	11.7	86	770
06...	0800	80513	80513	10.0	26.0	22	6.4	3.0	11.5	84	770
06...	0802	80513	80513	15.0	26.0	22	6.5	3.0	11.1	81	770
06...	0803	80513	80513	20.0	26.0	22	6.5	3.0	10.8	80	770
06...	0805	80513	80513	25.0	26.0	22	6.5	3.0	10.5	78	770
06...	0806	80513	80513	26.0	26.0	22	6.5	3.0	10.4	77	770
06...	0820	80513	81213	--	26.0	22	6.5	--	--	--	770
APR											
08...	0748	80513	80513	0.0	42.0	22	6.5	11.5	10.4	96	759
08...	0749	80513	80513	5.00	42.0	22	6.5	12.0	10.4	96	759
08...	0750	80513	80513	10.0	42.0	22	6.5	12.0	10.4	96	759
08...	0751	80513	80513	15.0	42.0	22	6.5	11.5	10.3	95	759
08...	0752	80513	80513	20.0	42.0	22	6.5	11.5	10.3	95	759
08...	0753	80513	80513	25.0	42.0	22	6.5	11.5	10.1	93	759
08...	0755	80513	80513	30.0	42.0	22	6.4	11.5	10.0	92	759
08...	0756	80513	80513	35.0	42.0	22	6.4	11.5	10	92	759
08...	0757	80513	80513	40.0	42.0	22	6.3	11.5	9.9	91	759
08...	0758	80513	80513	42.0	42.0	22	6.4	11.5	9.8	90	759
08...	0820	80513	81213	--	42.0	22	6.5	--	--	--	759

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
07...	0924	--	--	--	--	1.60	--	--	--	--	--
07...	0945	0.0	40	10	4.8	--	K1	K1	6	4	0.007
FEB											
06...	0758	--	--	--	--	1.70	--	--	--	--	--
06...	0820	0.0	26	10	3.3	--	K2	K1	7	8	--
APR											
08...	0748	--	--	--	--	2.10	--	--	--	--	--
08...	0820	0.0	42	5	1.8	--	<1	<1	6	--	0.006

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
07...	0945	0.007	0.03	0.001	0.00	0.008	0.008	0.003	0.00	0.25
FEB										
06...	0820	--	--	0.001	0.00	--	<0.002	0.005	0.01	0.24
APR										
08...	0820	0.006	0.03	0.001	0.00	0.007	0.007	0.009	0.01	--

07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
07...	0945	0.25	0.26	0.013	<0.001	2.2	330	56	2.1	4.00
FEB										
06...	0820	0.24	0.24	0.009	<0.001	<0.10	160	26	<0.10	6.00
APR										
08...	0820	<0.20	--	0.009	<0.001	6.1	150	36	6.0	1.00

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY											
06...	0816	80513	80513	0.0	44.0	24	6.0	21.0	9.1	102	760
06...	0817	80513	80513	5.00	44.0	24	6.2	20.5	9.0	100	760
06...	0818	80513	80513	10.0	44.0	24	6.3	20.0	9.0	99	760
06...	0820	80513	80513	12.0	44.0	24	6.3	19.5	9.0	98	760
06...	0821	80513	80513	15.0	44.0	24	6.3	18.5	8.8	94	760
06...	0822	80513	80513	20.0	44.0	24	6.3	17.5	8.2	85	760
06...	0823	80513	80513	25.0	44.0	24	6.2	17.0	7.3	76	760
06...	0824	80513	80513	30.0	44.0	24	6.1	17.0	7.0	73	760
06...	0825	80513	80513	35.0	44.0	24	6.1	17.0	7.0	72	760
06...	0826	80513	80513	40.0	44.0	24	6.0	16.5	6.7	69	760
06...	0827	80513	80513	44.0	44.0	24	6.1	16.5	6.4	65	760
06...	0840	80513	81213	--	44.0	24	6.3	--	--	--	760
06...	0850	80513	81213	--	44.0	24	6.1	--	--	--	760
JUL											
09...	0811	80513	80513	0.0	43.0	24	6.6	29.5	7.2	95	757
09...	0812	80513	80513	5.00	43.0	24	6.6	29.5	7.2	95	757
09...	0813	80513	80513	10.0	43.0	24	6.7	29.5	7.0	93	757
09...	0814	80513	80513	15.0	43.0	24	6.6	29.5	7.0	93	757
09...	0816	80513	80513	16.0	43.0	24	6.0	27.5	5.0	64	757
09...	0817	80513	80513	17.0	43.0	25	5.7	26.0	4.1	50	757
09...	0818	80513	80513	18.0	43.0	24	5.6	24.5	3.3	40	757
09...	0820	80513	80513	20.0	43.0	25	5.5	24.0	2.1	25	757
09...	0821	80513	80513	22.0	43.0	26	5.5	23.0	0.7	9	757
09...	0823	80513	80513	24.0	43.0	27	5.5	22.5	0.3	3	757
09...	0824	80513	80513	25.0	43.0	34	5.7	21.5	0.1	1	757
09...	0827	80513	80513	26.0	43.0	40	6.1	20.0	0.1	1	757
09...	0828	80513	80513	28.0	43.0	49	6.3	19.0	0.1	1	757
09...	0829	80513	80513	30.0	43.0	51	6.4	18.5	0.1	1	757
09...	0830	80513	80513	35.0	43.0	52	6.5	18.5	0.1	1	757
09...	0831	80513	80513	40.0	43.0	51	6.5	18.0	0.0	1	757
09...	0832	80513	80513	43.0	43.0	52	6.5	18.0	0.0	1	757
09...	0835	80513	81213	--	43.0	24	6.6	--	--	--	757
09...	0840	80513	81213	--	43.0	49	6.4	--	--	--	757
SEP											
10...	1023	80513	80513	0.0	34.0	25	6.7	27.5	7.6	96	761
10...	1024	80513	80513	5.00	34.0	25	6.8	27.5	7.6	96	761
10...	1025	80513	80513	10.0	34.0	25	6.7	27.5	7.5	95	761
10...	1026	80513	80513	15.0	34.0	25	6.7	27.5	7.5	94	761
10...	1027	80513	80513	20.0	34.0	26	6.2	26.5	6.1	77	761
10...	1028	80513	80513	23.0	34.0	28	5.8	25.5	2.6	31	761
10...	1029	80513	80513	24.0	34.0	29	5.8	24.5	1.4	17	761
10...	1034	80513	80513	34.0	34.0	94	6.9	20.0	0.1	1	761
10...	1045	80513	81213	--	34.0	--	--	--	--	--	761

07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
MAY											
06...	0816	--	--	--	--	1.90	--	--	--	--	--
06...	0840	0.0	15	5	2.5	--	<1	K3	4	20	--
06...	0850	18	42	10	2.4	--	<1	<1	5	18	--
JUL											
09...	0811	--	--	--	--	2.90	--	--	--	--	--
09...	0835	0.0	15	10	1.1	--	<1	K3	6	24	--
09...	0840	30	42	30	1.6	--	<1	K3	8	28	--
SEP											
10...	1023	--	--	--	--	3.50	--	--	--	--	--
10...	1045	0.0	18	<5	1.1	--	K3	<1	6	12	--
10...	1100	24	33	30	4.2	--	<1	<1	8	26	0.001

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY											
06...	0840	--	--	<0.001	--	--	<0.002	0.003	0.00	0.23	0.23
06...	0850	--	--	<0.001	--	--	<0.002	0.004	0.01	0.27	0.27
JUL											
09...	0835	--	--	0.001	0.00	--	<0.002	0.002	0.00	--	<0.20
09...	0840	--	--	0.001	0.00	--	<0.002	0.032	0.04	--	<0.20
SEP											
10...	1045	--	--	0.001	0.00	--	<0.002	0.005	0.01	--	<0.20
10...	1100	0.001	0.00	0.002	0.01	0.003	0.003	0.063	0.08	--	<0.20

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY										
06...	0840	0.23	0.009	--	<0.001	4.4	120	25	3.5	--
06...	0850	0.27	0.009	--	<0.001	4.5	140	33	3.5	--
JUL										
09...	0835	--	0.010	--	<0.001	4.9	40	26	4.5	--
09...	0840	--	0.010	--	<0.001	5.1	750	620	4.6	--
SEP										
10...	1045	--	0.005	--	<0.001	6.0	50	37	4.8	2.50
10...	1100	--	0.010	0.00	0.001	6.9	1300	1100	6.3	--

072632995 LAKE MAUMELLE NEAR NATURAL STEPS

LOCATION.--Lat 34°51'39, long 92°30'07", in NE1/4NW1/4 sec.33, T.3 N., R.14 W., Pulaski County, Hydrologic Unit 11110207, at dam on Lake Maumelle, at Natural Steps.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	0830	80513	80513	0.0	31.3	23	6.4	11.0	10.3	93	767
07...	0834	80513	80513	5.00	31.3	23	6.6	11.5	9.9	90	767
07...	0835	80513	80513	10.0	31.3	23	6.6	11.5	9.9	89	767
07...	0836	80513	80513	15.0	31.3	23	6.6	11.5	9.8	89	767
07...	0837	80513	80513	20.0	31.3	23	6.6	11.5	9.8	89	767
07...	0838	80513	80513	25.0	31.3	23	6.6	11.5	9.7	88	767
07...	0839	80513	80513	30.0	31.3	23	6.6	11.5	9.7	88	767
07...	0840	80513	80513	31.0	31.3	23	6.6	11.5	9.6	87	767
07...	0900	80513	81213	--	31.3	23	6.4	--	--	--	767
FEB											
06...	0851	80513	80513	0.0	46.0	22	6.7	2.5	12.1	88	770
06...	0852	80513	80513	5.00	46.0	22	6.7	2.5	11.7	85	770
06...	0853	80513	80513	10.0	46.0	22	6.6	3.0	11.4	83	770
06...	0854	80513	80513	15.0	46.0	22	6.6	3.0	11.0	81	770
06...	0855	80513	80513	20.0	46.0	22	6.7	3.0	10.8	79	770
06...	0856	80513	80513	25.0	46.0	22	6.6	3.0	10.5	77	770
06...	0857	80513	80513	30.0	46.0	22	6.7	3.5	10.3	76	770
06...	0858	80513	80513	35.0	46.0	22	6.6	3.5	10.1	75	770
06...	0859	80513	80513	40.0	46.0	22	6.6	3.5	10.0	75	770
06...	0900	80513	80513	45.0	46.0	23	6.6	3.5	10	74	770
06...	0901	80513	80513	46.0	46.0	22	6.6	3.5	10	75	770
06...	0910	80513	81213	--	46.0	22	6.6	--	--	--	770
APR											
08...	0923	80513	80513	0.0	32.0	22	6.9	12.0	10.8	100	759
08...	0924	80513	80513	5.00	32.0	22	6.9	12.0	10.7	99	759
08...	0925	80513	80513	10.0	32.0	22	6.8	11.5	10.7	99	759
08...	0926	80513	80513	15.0	32.0	22	6.8	11.5	10.7	98	759
08...	0927	80513	80513	20.0	32.0	22	6.7	11.5	10.6	98	759
08...	0928	80513	80513	25.0	32.0	22	6.7	11.5	10.6	98	759
08...	0929	80513	80513	30.0	32.0	22	6.7	11.5	10.5	97	759
08...	0930	80513	80513	32.0	32.0	22	6.6	11.0	10	91	759
08...	0945	80513	81213	--	32.0	23	6.8	--	--	--	759

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
DEC										
07.	0830	--	--	--	--	1.60	--	--	--	--
07.	0900	0.0	31	10	3.6	--	K1	K1	8	1.1
FEB										
06.	0851	--	--	--	--	2.00	--	--	--	--
06.	0910	0.0	46	10	3.6	--	K1	K1	7	1.0
APR										
08.	0923	--	--	--	--	2.20	--	--	--	--
08.	0945	0.0	32	5	2.0	--	<1	<1	7	1.0

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
DEC										
07.	0900	1.3	1.5	27	0.2	0.60	6	2.8	1.9	<0.10
FEB										
06.	0910	1.2	1.4	27	0.2	0.50	5	3.1	2.0	<0.10
APR										
08.	0945	1.1	1.4	28	0.2	0.60	7	3.4	2.0	<0.10

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)
DEC										
07.	0900	0.80	6	14	0.01	0.001	0.001	0.00	0.001	0.00
FEB										
06.	0910	1.6	20	14	0.03	--	--	--	0.001	0.00
APR										
08.	0945	1.2	22	15	0.03	0.002	0.002	0.01	0.001	0.00

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC										
07.	0900	0.002	0.002	0.005	0.01	0.26	0.26	0.26	0.013	<0.001
FEB										
06.	0910	--	<0.002	0.004	0.01	0.21	0.21	0.21	0.009	<0.001
APR										
08.	0945	0.003	0.003	0.006	0.01	0.23	0.24	0.24	0.009	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
DEC									
07.	0900	1.7	40	290	62	1.6	<0.10	2.0	2.00
FEB									
06.	0910	0.20	34	150	26	4.2	<0.10	<0.10	7.00
APR									
08.	0945	1.8	50	120	35	25	<0.10	1.7	1.40

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY											
06...	0930	80513	80513	0.0	47.0	24	6.6	21.5	8.9	102	760
06...	0932	80513	80513	5.00	47.0	24	6.7	21.5	9.0	102	760
06...	0933	80513	80513	10.0	47.0	24	6.7	20.5	8.9	99	760
06...	0934	80513	80513	14.0	47.0	24	6.7	19.5	9.1	99	760
06...	0935	80513	80513	15.0	47.0	24	6.7	19.5	8.9	98	760
06...	0936	80513	80513	18.0	47.0	24	6.6	18.5	8.8	94	760
06...	0937	80513	80513	20.0	47.0	24	6.5	18.5	8.8	94	760
06...	0938	80513	80513	21.0	47.0	24	6.3	18.0	8.0	84	760
06...	0940	80513	80513	22.0	47.0	24	6.2	17.0	7.7	81	760
06...	0941	80513	80513	25.0	47.0	24	6.1	17.0	7.6	78	760
06...	0942	80513	80513	30.0	47.0	25	6.1	17.0	7.2	74	760
06...	0944	80513	80513	35.0	47.0	25	6.1	16.5	6.6	68	760
06...	0945	80513	80513	40.0	47.0	26	6.0	16.5	6.2	64	760
06...	0946	80513	80513	45.0	47.0	27	6.0	16.5	5.3	54	760
06...	0947	80513	80513	47.0	47.0	28	6.0	16.0	4.8	49	760
06...	0955	80513	81213	--	47.0	24	6.7	--	--	--	760
06...	1000	80513	81213	--	47.0	24	6.2	--	--	--	760
06...	1005	80513	81213	--	47.0	26	6.1	--	--	--	760
JUL											
09...	0934	80513	80513	0.0	37.0	24	6.9	29.5	7.5	100	757
09...	0935	80513	80513	4.90	37.0	24	7.0	29.5	7.5	100	757
09...	0936	80513	80513	10.0	37.0	24	7.0	29.5	7.5	99	757
09...	0937	80513	80513	15.0	37.0	24	7.0	29.5	7.4	98	757
09...	0938	80513	80513	17.0	37.0	24	6.8	29.5	7.3	96	757
09...	0939	80513	80513	18.0	37.0	24	6.4	28.5	6.6	86	757
09...	0940	80513	80513	19.0	37.0	24	6.2	27.5	6.3	80	757
09...	0941	80513	80513	20.0	37.0	25	5.9	25.0	1.7	21	757
09...	0942	80513	80513	21.0	37.0	27	5.6	22.0	0.8	9	757
09...	0943	80513	80513	22.0	37.0	30	5.8	21.0	0.2	2	757
09...	0944	80513	80513	23.0	37.0	35	5.9	19.5	0.1	1	757
09...	0945	80513	80513	25.0	37.0	38	6.0	19.0	0.1	1	757
09...	0946	80513	80513	30.0	37.0	46	6.2	18.5	0.1	1	757
09...	0948	80513	80513	35.0	37.0	51	6.4	18.0	0.1	1	757
09...	0949	80513	80513	37.0	37.0	51	6.4	18.0	0.1	1	757
09...	0955	80513	81213	--	37.0	24	6.9	--	--	--	757
09...	1000	80513	81213	--	37.0	24	6.2	--	--	--	757
09...	1005	80513	81213	--	37.0	38	6.2	--	--	--	757

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
MAY										
06.	0930	--	--	--	--	2.50	--	--	--	--
06.	0955	0.0	12	5	2.1	--	<1	<1	7	1.0
06.	1000	15	21	5	2.3	--	<1	<1	7	1.0
06.	1005	25	45	10	2.6	--	<1	<1	7	1.0
JUL										
09.	0934	--	--	--	--	3.00	--	--	--	--
09.	0955	0.0	15	5	<1.0	--	K1	<1	7	1.1
09.	1000	18	24	5	1.0	--	<1	<1	7	1.1
09.	1005	27	36	20	2.4	--	K1	<1	7	1.3

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
MAY										
06.	0955	1.1	1.4	28	0.2	0.60	5	3.2	2.0	<0.10
06.	1000	1.1	1.4	28	0.2	0.60	5	3.2	2.1	<0.10
06.	1005	1.1	1.4	28	0.2	0.60	5	3.2	1.9	<0.10
JUL										
09.	0955	1.0	1.4	29	0.2	0.60	7	3.3	2.0	<0.10
09.	1000	1.0	1.3	27	0.2	0.60	6	3.3	2.1	<0.10
09.	1005	1.0	1.4	27	0.2	0.60	8	3.2	2.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
MAY										
06.	0955	0.70	14	13	0.02	--	--	--	0.001	0.00
06.	1000	0.70	6	13	0.01	--	--	--	0.001	0.00
06.	1005	0.90	8	13	0.01	0.003	0.003	0.01	0.001	0.00
JUL										
09.	0955	0.40	18	14	0.02	--	--	--	0.001	0.00
09.	1000	0.50	18	14	0.02	0.001	0.001	0.00	0.001	0.00
09.	1005	1.5	20	17	0.03	--	--	--	0.001	0.00

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
MAY										
06.	0955	--	<0.002	0.004	0.01	0.21	0.21	0.21	0.010	<0.001
06.	1000	--	<0.002	0.004	0.01	0.25	0.25	0.25	0.010	<0.001
06.	1005	0.004	0.004	0.007	0.01	0.23	0.24	0.24	0.010	<0.001
JUL										
09.	0955	--	<0.002	0.002	0.00	--	<0.20	--	0.006	<0.001
09.	1000	0.002	0.002	0.004	0.01	--	<0.20	--	0.007	<0.001
09.	1005	--	<0.002	0.019	0.02	--	<0.20	--	0.010	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY									
06.	0955	4.6	60	120	27	2.8	<0.10	3.9	0.920
06.	1000	4.5	40	120	27	2.0	<0.10	3.9	--
06.	1005	4.6	40	140	48	20	<0.10	4.0	--
JUL									
09.	0955	4.9	6.0	30	20	<0.20	<0.10	4.4	1.47
09.	1000	4.5	7.0	50	68	40	<0.10	4.4	--
09.	1005	5.1	200	480	570	570	<0.10	4.4	--

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP											
10...	0822	80513	80513	0.0	44.0	25	6.5	27.5	7.5	95	761
10...	0823	80513	80513	5.00	44.0	25	6.6	27.5	7.2	92	761
10...	0825	80513	80513	10.0	44.0	25	6.8	27.5	7.3	92	761
10...	0826	80513	80513	15.0	44.0	25	6.8	27.5	7.2	92	761
10...	0827	80513	80513	20.0	44.0	25	6.7	27.5	7.2	91	761
10...	0829	80513	80513	23.0	44.0	25	6.5	27.0	6.6	84	761
10...	0830	80513	80513	24.0	44.0	27	6.0	26.0	2.9	36	761
10...	0831	80513	80513	25.0	44.0	37	5.9	24.0	0.3	3	761
10...	0832	80513	80513	26.0	44.0	46	6.1	22.5	0.2	2	761
10...	0833	80513	80513	27.0	44.0	54	6.2	21.5	0.1	1	761
10...	0834	80513	80513	28.0	44.0	68	6.5	20.5	0.1	1	761
10...	0835	80513	80513	30.0	44.0	81	6.7	19.5	0.1	1	761
10...	0840	80513	80513	40.0	44.0	83	6.9	19.0	0.1	1	761
10...	0841	80513	80513	43.0	44.0	84	6.9	18.5	0.1	1	761
10...	0850	80513	81213	--	44.0	--	--	--	--	--	761
10...	0900	80513	81213	--	44.0	--	--	--	--	--	761
10...	0915	80513	81213	--	44.0	--	--	--	--	--	761

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
SEP										
10.	0822	--	--	--	--	3.70	--	--	--	--
10.	0850	0.0	21	<5	<1.0	--	<1	<1	7	1.2
10.	0900	21	30	5	2.6	--	<1	<1	8	1.4
10.	0915	30	44	60	6.8	--	<1	<1	13	1.8

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
SEP										
10.	0850	1.0	1.4	28	0.2	0.60	6	3.2	2.0	<0.10
10.	0900	1.0	1.6	29	0.3	0.70	7	3.0	2.1	<0.10
10.	0915	2.0	1.7	21	0.2	0.70	10	2.3	2.1	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
SEP										
10.	0850	1.4	18	14	0.02	--	--	--	0.001	0.00
10.	0900	2.2	18	17	0.02	0.001	0.001	0.00	0.001	0.00
10.	0915	4.4	34	24	0.05	0.007	0.007	0.03	0.001	0.00

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
SEP										
10.	0850	--	<0.002	0.004	0.01	--	<0.20	--	0.005	--
10.	0900	0.002	0.002	0.008	0.01	--	<0.20	--	0.009	--
10.	0915	0.008	0.008	0.110	0.14	0.11	0.22	0.23	0.020	0.01

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
SEP										
10.	0850	<0.001	5.8	5.0	30	22	0.50	<0.10	4.9	1.40
10.	0900	<0.001	6.4	120	410	600	590	<0.10	5.2	--
10.	0915	0.002	7.5	1000	2200	2200	2100	<0.10	7.3	--

07263300 MAUMELLE RIVER AT MAUMELLE DAM AT NATURAL STEPS

LOCATION.--Lat 34°51'50, long 92°29'04", in SW1/4SE1/4 sec.27, T.3 N., R.14 W., Pulaski County, Hydrologic Unit 11110207, at right bank 100 ft upstream from spillway, 0.5 mi west of Natural Steps.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	46	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	84	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	84	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	70	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	73	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	71	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	424	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	573	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	510	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	424	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.31	357	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	5.9	318	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	6.9	317	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	7.0	279	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	11	230	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	12	192	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	10	162	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	7.9	129	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	3.7	101	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	1.4	79	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.11	58	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	28	42	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	36	27	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	34	14	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	29	4.8	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	20	.61	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	45	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	66	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	52	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	34	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	21	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	431.22	4669.41	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	13.9	156	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	66	573	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	855	9260	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	.000	45.8	314	286	206	331	298	290	60.6	19.2	7.83	.000
MAX	.000	248	840	836	426	620	642	546	198	86.3	53.1	.000
(WY)	1990	1992	1992	1991	1990	1990	1991	1990	1992	1994	1992	1989
MIN	.000	.000	.000	.000	.000	.000	.000	.000	2.98	.000	.000	.000
(WY)	1990	1990	1990	1990	1996	1996	1996	1992	1991	1990	1990	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	34393.70		5100.63			
ANNUAL MEAN	94.2		13.9		155	
HIGHEST ANNUAL MEAN					207	1991
LOWEST ANNUAL MEAN					13.9	1996
HIGHEST DAILY MEAN	1040	May 9	573	Jun 8	2970	Mar 8 1990
LOWEST DAILY MEAN	.00	Jun 18	.00	Oct 1	.00	Aug 17 1989
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 18	.00	Oct 1	.00	Aug 17 1989
INSTANTANEOUS PEAK FLOW			604	Jun 7,8	3420	Mar 8 1990
INSTANTANEOUS PEAK STAGE			90.90	Jun 7,8	92.49	Mar 8 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	68220		10120		112400	
10 PERCENT EXCEEDS	338		10		474	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in metal shelter on dam and at mile 141.5.

DRAINAGE AREA.--158,030 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Water-discharge records good except for discharges below 10,000 ft^3/s, which are fair. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 7, 1988, the North Little Rock Electric Department hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8680	790	97700	16400	56200	35700	44900	106000	159000	163000	39400	28600
2	2610	443	87100	32000	78100	26100	36700	137000	163000	162000	40700	21600
3	825	1640	86100	27300	56600	27000	24200	146000	166000	165000	44500	11700
4	2160	24000	80400	21400	52400	25000	26900	137000	174000	166000	46500	3810
5	2670	88900	82400	26000	53000	22500	13200	134000	180000	165000	53900	9050
6	3840	167000	81000	16100	53300	21700	17300	139000	179000	163000	56500	3700
7	2700	171000	62200	30700	47400	43200	14600	149000	177000	162000	61700	8720
8	13600	132000	51200	21000	41000	80700	10500	161000	181000	158000	66000	5020
9	13800	101000	92300	15300	28900	87100	4520	179000	180000	156000	65500	2010
10	2300	102000	135000	15300	38000	82700	17500	190000	167000	157000	67500	364
11	4450	125000	149000	18800	38300	60000	52900	194000	172000	158000	70200	e41
12	6190	122000	120000	18800	34200	47600	83900	187000	183000	159000	60200	e41
13	3860	105000	78700	36000	10400	55300	91500	182000	187000	158000	57900	e511
14	e85	90100	74600	111000	17600	51100	79500	179000	206000	157000	58200	e6620
15	201	111000	71100	152000	24100	53300	57000	174000	222000	155000	55400	e10400
16	774	152000	64500	143000	e8200	56300	48800	170000	235000	155000	50900	15400
17	1050	137000	76300	95700	21100	71800	52800	169000	243000	149000	41500	29700
18	7720	101000	75300	74000	16100	76900	51800	171000	245000	110000	34500	21000
19	9820	70700	70000	76500	5840	81600	62600	167000	240000	85000	39100	5810
20	7310	62700	71600	97700	16600	83800	81700	157000	231000	82700	49600	3360
21	16200	72900	68800	92600	14700	80500	108000	157000	224000	75600	52900	4050
22	7650	93000	62400	85300	19000	78000	130000	160000	217000	81300	49800	15900
23	7710	113000	55600	77100	4830	79000	117000	160000	198000	76200	53300	8510
24	6610	113000	48600	71200	6170	75800	95600	163000	185000	63800	58400	11800
25	8870	113000	40100	62200	3440	69200	87200	166000	183000	45700	59000	18100
26	7570	107000	27200	55400	e750	71500	98100	165000	175000	43300	51900	9050
27	6260	102000	20500	66700	e9360	84100	99500	169000	167000	54600	40700	7010
28	4810	112000	22100	69100	e35000	79800	87900	174000	171000	58500	40300	9350
29	4560	116000	23000	66000	---	61500	81000	176000	172000	47000	43700	8520
30	2610	116000	31900	60700	---	56100	84500	170000	165000	39400	54200	18900
31	1060	---	23000	57100	---	50100	---	161000	---	39400	36600	---
TOTAL	168555	2923173	2129700	1808400	790590	1875000	1861620	5049000	5747000	3610500	1600500	298647
MEAN	5437	97440	68700	58340	28240	60480	62050	162900	191600	116500	51630	9955
MAX	16200	171000	149000	152000	78100	87100	130000	194000	245000	166000	70200	29700
MIN	85	443	20500	15300	750	21700	4520	106000	159000	39400	34500	41
AC-FT	334300	5798000	4224000	3587000	1568000	3719000	3693000	10010000	11400000	7161000	3175000	592400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	29340	47710	54480	45650	47030	74280	79180	80890	70830	32300	16420	16430
MAX	215100	176000	155400	142300	108200	169500	215900	234800	191600	116500	62730	51690
(WY)	1987	1975	1993	1993	1975	1987	1973	1990	1995	1995	1992	1989
MIN	1466	2615	3714	1439	9340	9986	7971	18460	4994	4954	4130	3172
(WY)	1979	1981	1990	1981	1981	1972	1981	1977	1988	1991	1991	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	18648691		27862685			
ANNUAL MEAN	51090		76340		[a]49520	
HIGHEST ANNUAL MEAN					96810	1993
LOWEST ANNUAL MEAN					12880	1981
HIGHEST DAILY MEAN	182000	May 15	245000	Jun 18	404000	May 8 1990
LOWEST DAILY MEAN	85	Oct 14	41	Sep 11, 12	[b]14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	2270	Oct 28	2090	Sep 8	432	Oct 15 1982
INSTANTANEOUS PEAK FLOW			246000	Jun 17, 18	[c]406000	May 7,8 1990
INSTANTANEOUS PEAK STAGE			248.13	Jun 17, 18	[d]256.97	May 7,8 1990
ANNUAL RUNOFF (AC-FT)	36990000		55270000		35880000	
10 PERCENT EXCEEDS	139000		170000		133000	
50 PERCENT EXCEEDS	31100		61700		31200	
90 PERCENT EXCEEDS	3840		6040		3920	

[a]Prior to regulation, water years 1928-69, 39,920 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Maximum discharge for period of record 536,000 ft^3/s May 27, 1943
[d]Maximum gage height for period of record, 30.05 ft, May 27, 1943, at site and datum then in use
[e]Estimated

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12900	4250	5460	10500	22500	6270	21300	74500	e21500	10000	10500	27100
2	8350	10000	802	21700	19300	3100	26000	61300	e29100	556	7730	5200
3	16600	13100	56	23000	8650	5610	15100	44000	e26900	2890	6760	11400
4	19300	1190	421	11200	988	4340	14900	39500	22200	9830	18400	17500
5	20100	865	2810	6010	13600	4190	17800	35500	29100	6650	12700	23000
6	22000	947	5920	11200	13600	15300	10500	28200	36200	13400	18300	12500
7	18800	6190	5690	20100	11000	29200	17100	45600	46700	6170	5820	13500
8	18700	858	4930	10900	2750	21300	14200	40900	44500	9640	23600	12200
9	3700	844	1680	7200	6820	5280	11200	48600	43800	12300	34200	10100
10	2650	327	1610	5670	8160	2830	9250	36700	38900	12000	16700	14700
11	5050	1560	1190	14400	1850	1360	21700	33100	18800	13800	9000	e12400
12	2960	1550	3050	18400	8540	1400	6590	38600	29300	26600	28800	e5200
13	6360	2150	2720	5400	6840	3470	25100	39500	25100	32000	17900	e100
14	10300	1970	4500	1530	4150	4470	28500	26800	26600	24600	22700	e2400
15	3730	2840	7090	4080	5750	2860	32000	32900	26900	11500	31700	4480
16	3570	847	3700	10100	19200	4060	23800	37700	35600	15200	32300	18600
17	4570	889	6880	3670	10000	922	21800	30900	27400	20500	13500	e18900
18	4760	5460	36700	21900	867	2190	21100	27000	24800	17100	28800	e12000
19	3670	5860	30200	50800	9780	16000	25200	22100	22800	23500	24500	16400
20	8050	1180	27000	28300	13800	11300	24000	17600	8360	18200	24200	14500
21	3210	816	21400	33500	6550	4310	20100	15100	7330	12900	21700	11800
22	893	429	8610	34500	13300	2700	23800	18900	1450	10900	20900	3730
23	2210	1680	6790	26900	13000	2210	85100	15400	3320	13400	13200	6090
24	7310	6910	6300	33500	10600	1270	143000	19900	5920	13800	15000	20000
25	e4410	11300	4380	32900	5300	23600	149000	12600	16800	15700	12800	28300
26	e3380	143	3990	30100	4520	23100	105000	16800	13300	17100	24200	29800
27	e1340	3350	4390	36700	15000	11800	79200	10200	12300	9030	12300	69800
28	1060	8200	7250	10600	20000	15300	56200	12800	11400	6420	22300	119000
29	952	1560	6510	12600	7280	49900	56500	23600	8630	10800	28700	110000
30	918	3590	5520	21700	---	22400	75300	e13500	16800	8000	25000	62900
31	986	---	5230	24100	---	30500	---	e23200	---	21700	13800	---
TOTAL	222789	100855	232779	583160	283695	332542	1180340	943000	681810	426186	598010	713600
MEAN	7187	3362	7509	18810	9783	10730	39340	30420	22730	13750	19290	23790
MAX	22000	13100	36700	50800	22500	49900	149000	74500	46700	32000	34200	119000
MIN	893	143	56	1530	867	922	6590	10200	1450	556	5820	100
AC-FT	441900	200000	461700	1157000	562700	659600	2341000	1870000	1352000	845300	1186000	1415000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	28520	46060	52740	44660	45610	71930	77700	79020	69050	31620	16520	16710
MAX	215100	176000	155400	142300	108200	169500	215900	234800	191600	116500	62730	51690
(WY)	1987	1975	1993	1993	1975	1987	1973	1990	1995	1995	1992	1989
MIN	1466	2615	3714	1439	9340	9986	7971	18460	4994	4954	4130	3172
(WY)	1979	1981	1990	1981	1981	1972	1981	1977	1988	1991	1991	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1970 - 1996	
ANNUAL TOTAL	23197680		6298766			
ANNUAL MEAN	63560		17210		[a]48320	
HIGHEST ANNUAL MEAN					96810	1993
LOWEST ANNUAL MEAN					12880	1981
HIGHEST DAILY MEAN	245000	Jun 18	149000	Apr 25	404000	May 8 1990
LOWEST DAILY MEAN	41	Sep 11	56	Dec 3	[b]14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	1320	Nov 8	1320	Nov 8	432	Oct 15 1982
INSTANTANEOUS PEAK FLOW			157000	Apr 24, 25	[c]406000	May 7,8 1990
INSTANTANEOUS PEAK STAGE			240.75	Apr 25	[d]256.97	May 7,8 1990
ANNUAL RUNOFF (AC-FT)	46010000		12490000		35010000	
10 PERCENT EXCEEDS	169000		33700		131000	
50 PERCENT EXCEEDS	43300		12600		29500	
90 PERCENT EXCEEDS	2190		1660		3780	

[a]Prior to regulation, water years 1928-69, 39,920 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Maximum discharge for period of record 536,000 ft^3/s May 27, 1943
[d]Maximum gage height for period of record, 30.05 ft, May 27, 1943, at site and datum then in use
[e]Estimated

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi^2, of which 22,241 mi^2 is probably noncontributing.

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

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

REMARKS.--Discharge figures are for station 07263450, 16.8 mi upstream.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 13.	0915	80513	80020	3220	751	8.1	759	22.0	7.7	8.6	99
DEC 13.	0855	80513	80020	880	741	7.9	759	8.0	3.2	9.5	81

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT 13.	0915	150	34	44	10	83	53	3	5.0	117	0
DEC 13.	0855	150	29	43	10	75	51	3	4.5	120	0

DATE	TIME	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 13.	0915	143	117	55	120	0.10	7.9	411	398	0.56	3570
DEC 13.	0855	146	120	54	120	0.30	6.9	411	387	0.56	977

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 13.	0915	0.370	0.370	1.6	0.030	0.10	0.400	0.400	0.110	0.14	0.49
DEC 13.	0855	0.290	--	--	<0.010	--	0.290	0.290	<0.015	--	0.60

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT 13.	0915	0.29	0.60	0.40	1.0	0.80	0.140	0.080	0.090	0.28	3.7
DEC 13.	0855	--	0.60	0.50	0.89	0.79	0.110	0.100	0.030	0.09	3.7

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT 13.	0915	0.30	10	2	95	<0.50	2.0	<5.0	3.0	3.0	3.0
DEC 13.	0855	0.30	20	1	91	<0.50	<1.0	<5.0	<3.0	3.0	<3.0

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
OCT 13.	0915	<1.0	5	1.0	10	1.0	<1	<1.0	340	<6
DEC 13.	0855	<1.0	6	4.0	<10	2.0	<1	<1.0	340	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON DIO SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
OCT 13.	0915	13	59	513	93	0.730	0.006	106	<0.001	96.0
DEC 13.	0855	<3.0	28	67	72	0.600	0.006	112	<0.001	100

DATE	TIME	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
OCT 13.	0915	<0.004	<0.005	0.120	<0.004	<0.002	0.009	<0.002	<0.004	E0.012
DEC 13.	0855	<0.004	<0.005	0.090	<0.004	<0.002	0.006	<0.002	0.005	0.008

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT										
13.	0915	E0.029	<0.003	<0.006	0.021	<0.007	0.018	<0.004	<0.003	<0.002
DEC										
13.	0855	E0.036	<0.003	<0.006	0.070	<0.007	0.055	<0.004	<0.003	<0.002

DATE	TIME	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
OCT										
13.	0915	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.018	<0.004
DEC										
13.	0855	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.024	<0.004

DATE	TIME	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTHYLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
OCT										
13.	0915	<0.003	<0.002	<0.003	<0.013	107	<0.003	<0.017	<0.001	<0.004
DEC										
13.	0855	<0.003	<0.002	<0.003	<0.013	112	<0.003	<0.017	<0.001	<0.004

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
OCT										
13.	0915	<0.006	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
DEC										

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SPECIFIC CONDUCTANCE (US/CM) (00095)
JAN							
10.	0930	80513	80513	1000	5.00	25.0	416
10.	0931	80513	80513	1000	20.0	25.0	418
10.	0933	80513	80513	1000	4.00	20.0	414
10.	0934	80513	80513	1000	16.0	20.0	416
10.	0935	80513	80513	1000	4.00	20.0	415
10.	0936	80513	80513	1000	16.0	20.0	417
10.	0938	80513	80513	1000	4.00	20.0	416
10.	0939	80513	80513	1000	16.0	20.0	421
10.	0940	80513	80513	1000	4.00	20.0	418
10.	0941	80513	80513	1000	16.0	20.0	425
10.	0943	80513	80513	1000	4.00	20.0	415
10.	0944	80513	80513	1000	16.0	20.0	424
10.	0946	80513	80513	1000	4.00	20.0	416
10.	0947	80513	80513	1000	16.0	20.0	417
10.	0948	80513	80513	1000	4.00	20.0	420
10.	0949	80513	80513	1000	16.0	20.0	420
10.	0951	80513	80513	1000	5.00	25.0	424
10.	0952	80513	80513	1000	20.0	25.0	424
10.	0954	80513	80513	1000	6.00	30.0	433
10.	0955	80513	80513	1000	24.0	30.0	441
10.	1045	80513	80020	--	--	--	424

DATE	TIME	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN						
10.	0930	7.7	4.0	12.3	93	765
10.	0931	7.8	3.5	12.0	91	765
10.	0933	7.9	4.0	11.8	89	765
10.	0934	7.9	3.5	11.8	89	765
10.	0935	7.9	4.0	12.2	92	765
10.	0936	7.9	4.0	12.0	90	765
10.	0938	7.9	3.5	12.0	90	765
10.	0939	7.9	4.0	11.7	88	765
10.	0940	7.9	3.5	12.2	92	765
10.	0941	7.9	4.0	11.8	89	765
10.	0943	7.9	3.5	12.1	91	765
10.	0944	7.9	3.5	11.6	88	765
10.	0946	7.9	3.5	12.0	90	765
10.	0947	7.9	3.5	11.8	89	765
10.	0948	7.9	3.5	12.0	91	765
10.	0949	7.9	3.5	11.7	88	765
10.	0951	7.9	3.5	12.0	90	765
10.	0952	7.9	3.5	11.8	89	765
10.	0954	7.9	3.5	12.1	90	765
10.	0955	8.0	3.5	11.9	89	765
10.	1045	8.1	3.5	12.1	91	765

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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)
JAN											
10.	1045	5940	14	100	25	28	7.2	42	47	2	3.0

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
JAN 10.	1045	73	0	91	74	31	62	0.20	5.7	232	226

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
JAN 10.	1045	0.32	3720	0.340	<0.010	0.340	0.340	0.120	0.15	0.38	0.28

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
JAN 10.	1045	0.50	0.40	0.84	0.74	0.080	0.050	0.040	0.12	7.0

DATE	TIME	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JAN 10.	1045	<1.0	1	62	<1.0	<1.0	<1.0	<1.0	3.0	27

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
JAN 10.	1045	<1.0	<4	20	<1.0	5.0	<1	<1.0	220	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
JAN 10.	1045	3.0	44	706	76	0.230	<0.002	93.6	<0.001	93.0

DATE	TIME	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
JAN 10.	1045	<0.004	<0.005	0.031	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004

DATE	TIME	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JAN 10.	1045	E0.017	<0.003	E0.002	E0.015	<0.007	0.038	<0.004	<0.003	<0.002

DATE	TIME	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
JAN 10.	1045	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.014	<0.004

DATE	TIME	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTHYLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
JAN 10.	1045	<0.003	<0.002	<0.003	<0.013	115	<0.003	<0.017	<0.001	<0.004

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
JAN 10.	1045	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
FEB 12.	0845	80513	80020	11700	446	8.0	770	5.0	17	12.6	99
MAR 12.	0915	80513	80020	1590	529	8.3	765	9.5	4.0	11.1	97
APR 11.	0815	80513	80020	6600	533	7.6	758	13.0	5.1	9.1	87
MAY 15.	0845	80513	80020	33700	275	7.8	759	21.5	15	6.4	72
JUN 10.	0755	80513	80020	43700	287	7.8	756	25.0	21	6.0	73
24.	0850	80513	80020	3520	374	8.5	761	30.0	1.6	7.4	98
JUL 08.	0800	80513	80020	6160	517	7.9	753	30.0	1.1	5.7	76
AUG 12.	0830	80513	80020	25500	832	7.4	759	29.5	1.8	6.2	82
SEP 09.	0930	80513	80020	3520	944	7.7	758	28.0	1.3	6.0	78

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
FEB 12.	0845	94	26	26	7.1	45	50	2	2.9	69	0
MAR 12.	0915	110	28	30	8.8	57	52	2	3.2	84	0
APR 11.	0815	110	34	30	8.5	58	53	2	3.2	77	0
MAY 15.	0845	72	11	19	6.0	20	37	1	2.5	62	0
JUN 10.	0755	79	24	22	5.8	21	36	1	2.9	56	0
24.	0850	110	21	30	7.4	30	37	1	3.3	85	0
JUL 08.	0800	120	14	32	8.5	46	46	2	3.8	101	0
AUG 12.	0830	130	33	34	11	99	61	4	4.1	98	0
SEP 09.	0930	140	41	36	12	110	62	4	4.1	101	0

DATE	TIME	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
FEB 12.	0845	83	68	33	65	0.20	4.1	242	226	0.33	7640
MAR 12.	0915	102	83	42	84	0.20	0.96	292	277	0.40	1250
APR 11.	0815	93	76	42	89	0.20	1.4	300	279	0.41	5350
MAY 15.	0845	75	61	28	27	0.20	4.6	165	146	0.22	15000
JUN 10.	0755	67	55	24	27	0.10	3.5	158	142	0.21	18600
24.	0850	103	85	33	38	0.20	3.6	206	197	0.28	1960
JUL 08.	0800	123	101	44	73	0.20	1.6	285	271	0.39	4740
AUG 12.	0830	119	97	62	150	0.20	3.7	462	424	0.63	31800
SEP 09.	0930	121	99	71	180	0.20	2.4	523	477	0.71	4970

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
FEB 12.	0845	0.340	0.340	1.5	0.010	0.03	0.350	0.350	<0.015	--	0.50
MAR 12.	0915	0.070	0.070	0.31	0.010	0.03	0.080	0.080	0.060	0.08	0.54
APR 11.	0815	0.110	--	--	<0.010	--	0.110	0.110	0.050	0.06	0.35
MAY 15.	0845	0.270	0.270	1.2	0.030	0.10	0.300	0.300	0.100	0.13	0.40
JUN 10.	0755	0.380	0.380	1.7	0.010	0.03	0.390	0.390	0.110	0.14	0.39
24.	0850	--	--	--	0.010	0.03	--	<0.050	0.080	0.10	0.42
JUL 08.	0800	0.060	0.060	0.27	0.020	0.07	0.080	0.080	0.190	0.24	0.31
AUG 12.	0830	0.100	0.100	0.44	0.020	0.07	0.120	0.120	0.070	0.09	0.23
SEP 09.	0930	0.110	0.110	0.49	0.010	0.03	0.120	0.120	0.070	0.09	0.33

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
FEB 12.	0845	--	0.50	0.20	0.85	0.55	0.100	0.040	0.019	0.06	3.5
MAR 12.	0915	0.24	0.60	0.30	0.68	0.38	0.060	0.020	0.007	0.02	3.8
APR 11.	0815	0.25	0.40	0.30	0.51	0.41	0.060	0.050	0.025	0.08	3.6
MAY 15.	0845	0.30	0.50	0.40	0.80	0.70	0.060	0.040	0.058	0.18	4.9
JUN 10.	0755	0.19	0.50	0.30	0.89	0.69	0.080	0.040	0.036	0.11	--
24.	0850	--	0.50	<0.20	0.50	--	0.030	<0.010	0.013	0.04	3.6
JUL 08.	0800	0.21	0.50	0.40	0.58	0.48	0.040	0.010	0.028	0.09	4.4
AUG 12.	0830	0.13	0.30	0.20	0.42	0.32	0.060	0.020	0.046	0.14	3.4
SEP 09.	0930	0.23	0.40	0.30	0.52	0.42	0.080	0.040	0.046	0.14	3.6

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	BORON, DISSOLVED (UG/L AS B) (01020)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
FEB 12.	0845	--	--	15	<1.0	<1	57	<1.0	<1.0	1.0	<1.0
MAR 12.	0915	0.50	60	2.0	<1.0	<1	67	<1.0	<1.0	1.0	<1.0
APR 11.	0815	0.60	60	3.0	<1.0	<1	65	<1.0	<1.0	<1.0	<1.0
MAY 15.	0845	0.50	50	3.0	<1.0	<1	57	<1.0	<1.0	<1.0	<1.0
JUN 10.	0755	--	34	5.0	<1.0	1	57	<1.0	<1.0	<1.0	<1.0
24.	0850	0.60	49	6.0	<1.0	1	71	<1.0	<1.0	1.0	<1.0
JUL 08.	0800	0.50	49	4.0	<1.0	2	76	<1.0	<1.0	<1.0	<1.0
AUG 12.	0830	0.40	64	4.0	<1.0	2	87	<1.0	<1.0	1.0	<1.0
SEP 09.	0930	0.40	78	3.0	<1.0	2	93	<1.0	<1.0	<1.0	<1.0

DATE	TIME	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)
FEB 12.	0845	2.0	29	<1.0	<4	2.0	<1.0	2.0	<1	<1.0	200
MAR 12.	0915	2.0	12	<1.0	<4	<1.0	1.0	2.0	<1	<1.0	240
APR 11.	0815	8.0	10	<1.0	5	3.0	<1.0	1.0	<1	<1.0	220
MAY 15.	0845	1.0	24	<1.0	<4	7.0	<1.0	2.0	<1	<1.0	150
JUN 10.	0755	2.0	20	<1.0	<4	<1.0	<1.0	2.0	<1	<1.0	160
24.	0850	1.0	7.0	<1.0	<4	<1.0	1.0	1.0	<1	<1.0	220
JUL 08.	0800	2.0	<3.0	<1.0	<4	2.0	1.0	2.0	<1	<1.0	260
AUG 12.	0830	2.0	<3.0	<1.0	6	2.0	2.0	2.0	<1	<1.0	340
SEP 09.	0930	2.0	10	<1.0	8	3.0	2.0	2.0	<1	<1.0	380

DATE	TIME	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
FEB 12.	0845	<6	3.0	55	1740	79	0.200	<0.002	120	<0.001	130
MAR 12.	0915	<6	1.0	43	185	57	0.180	0.010	85.7	<0.001	82.0
APR 11.	0815	<6	3.0	50	891	97	0.220	0.004	113	<0.001	120
MAY 15.	0845	<6	1.0	63	5730	48	0.150	0.007	89.6	<0.001	104
JUN 10.	0755	<6	<1.0	58	6840	99	0.290	0.006	91.4	<0.001	103
24.	0850	<6	2.0	54	513	70	0.379	<0.002	84.5	<0.001	85.9
JUL 08.	0800	<6	1.0	32	532	85	0.400	<0.002	92.8	<0.001	109
AUG 12.	0830	<6	2.0	110	7570	81	0.306	0.019	100	<0.001	98.9
SEP 09.	0930	<6	3.0	22	209	95	0.364	<0.002	115	<0.001	90.4

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	PARA-THION, DIS-SOLVED (UG/L) (39542)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
FEB 12.	0845	<0.004	<0.005	0.025	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004
MAR 12.	0915	<0.004	<0.005	0.033	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004
APR 11.	0815	<0.004	<0.005	0.022	<0.004	<0.002	0.004	<0.002	<0.004	<0.004
MAY 15.	0845	<0.004	<0.005	0.037	<0.004	<0.002	0.011	<0.002	<0.004	<0.004
JUN 10.	0755	<0.004	<0.005	0.056	<0.004	<0.002	0.012	<0.002	<0.004	<0.004
24.	0850	<0.004	<0.005	0.058	<0.004	<0.002	E0.002	<0.002	<0.004	<0.004
JUL 08.	0800	<0.004	<0.005	0.052	<0.004	<0.002	0.005	<0.002	0.005	<0.004
AUG 12.	0830	<0.004	<0.005	0.036	<0.004	<0.002	<0.002	<0.002	0.005	<0.004
SEP 09.	0930	<0.004	<0.005	0.046	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004

DATE	TIME	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
FEB 12.	0845	E0.011	<0.003	<0.006	E0.010	<0.007	0.035	<0.004	<0.003	<0.002
MAR 12.	0915	E0.012	<0.003	<0.006	E0.008	<0.007	0.065	<0.004	<0.003	<0.002
APR 11.	0815	E0.027	<0.003	<0.006	E0.017	<0.007	0.044	<0.004	<0.003	<0.002
MAY 15.	0845	E0.011	<0.003	<0.006	E0.010	<0.007	0.033	E0.004	<0.003	<0.002
JUN 10.	0755	E0.012	<0.003	<0.006	E0.012	<0.007	0.034	0.006	<0.003	E0.001
24.	0850	E0.028	<0.003	<0.006	E0.013	<0.007	0.037	<0.004	<0.003	<0.002
JUL 08.	0800	E0.038	<0.003	<0.006	0.023	<0.007	0.047	<0.004	<0.003	<0.002
AUG 12.	0830	E0.032	<0.003	<0.006	0.024	<0.007	0.025	<0.004	<0.003	<0.002
SEP 09.	0930	E0.038	<0.003	<0.006	0.018	<0.007	0.024	<0.004	<0.003	<0.002

DATE	TIME	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
FEB 12.	0845	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.014	<0.004
MAR 12.	0915	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.012	<0.004
APR 11.	0815	<0.004	<0.002	E0.010	<0.002	<0.006	<0.002	<0.004	0.026	<0.004
MAY 15.	0845	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.017	0.005
JUN 10.	0755	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.015	0.260
24.	0850	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.017	0.021
JUL 08.	0800	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.038	0.068
AUG 12.	0830	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	0.011
SEP 09.	0930	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.037	<0.004

DATE	TIME	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTH YLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
FEB 12.	0845	<0.003	<0.002	<0.003	<0.013	122	<0.003	<0.017	<0.001	<0.004
MAR 12.	0915	<0.003	<0.002	<0.003	<0.013	109	<0.003	<0.017	<0.001	<0.004
APR 11.	0815	<0.003	<0.002	<0.006	<0.013	121	<0.003	<0.017	<0.005	<0.004
MAY 15.	0845	<0.003	<0.002	E0.003	<0.013	106	<0.003	<0.017	<0.001	0.027
JUN 10.	0755	<0.003	<0.002	<0.003	<0.013	106	<0.003	<0.017	<0.001	<0.004
24.	0850	<0.003	<0.002	<0.003	<0.013	102	<0.003	<0.017	<0.001	<0.004
JUL 08.	0800	<0.003	<0.002	<0.003	<0.013	115	<0.003	<0.017	<0.001	<0.004
AUG 12.	0830	<0.003	<0.002	<0.003	<0.013	103	<0.003	<0.017	<0.001	<0.004
SEP 09.	0930	<0.003	<0.002	<0.003	<0.013	136	<0.003	<0.017	<0.001	<0.004

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
FEB										
12.	0845	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
MAR										
12.	0915	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
APR										
11.	0815	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
MAY										
15.	0845	<0.003	E0.004	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
JUN										
10.	0755	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
24.	0850	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
JUL										
08.	0800	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
AUG										
12.	0830	<0.003	0.008	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
SEP										
09.	0930	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002

07264000 BAYOU METO NEAR LONOKE

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of U.S. Army Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke".

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

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft above sea level. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955 nonrecording gage at present site and datum.

REMARKS.--Records good, except estimated daily discharges which are poor. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	25	12	63	91	153	436	147	341	e1.7	e135	17
2	6.5	21	11	114	79	159	519	133	259	e1.2	e140	15
3	10	16	14	210	72	139	589	120	236	e.70	e130	12
4	12	17	18	307	66	117	602	108	253	e.50	e120	11
5	20	19	17	362	62	100	531	97	251	e.30	e110	11
6	20	18	18	332	60	88	387	89	168	e.20	e90	11
7	18	18	14	258	58	95	259	86	121	e.10	e75	11
8	15	16	15	190	60	180	180	173	e140	e.00	e70	13
9	13	15	16	147	63	223	142	396	e180	e.00	e85	19
10	12	16	21	120	68	195	112	506	e130	e.00	e105	21
11	12	16	28	104	69	157	94	549	e90	e.00	e110	20
12	10	32	25	95	65	134	82	545	e60	e.00	e115	16
13	7.0	39	27	91	63	117	277	566	e40	e.00	e110	13
14	4.6	35	26	83	59	106	563	617	e32	e.60	e100	10
15	3.7	31	24	78	51	101	672	628	e28	e.40	e85	9.0
16	3.7	27	22	74	25	93	739	544	e23	e.30	e75	13
17	3.8	19	26	67	21	82	784	369	e18	e.20	e65	11
18	3.8	13	62	71	20	77	815	232	e13	e.00	e55	7.4
19	3.9	9.3	198	83	35	82	811	159	e10	e.00	e50	7.8
20	3.5	8.1	334	127	84	127	744	110	e7.5	e.00	e46	10
21	3.0	7.8	388	187	185	237	623	80	e6.0	e.50	e42	12
22	3.1	6.1	370	181	257	257	539	76	e5.0	e2.0	e42	14
23	3.7	5.6	287	181	246	219	506	73	e4.5	e12	e47	31
24	3.6	5.0	191	210	199	176	483	61	e4.0	e20	e55	36
25	3.5	4.6	123	232	155	185	507	50	e3.5	e45	e65	31
26	3.6	6.1	87	228	126	222	496	33	e4.5	e55	e72	38
27	5.0	15	69	209	110	285	406	25	e5.0	e52	e74	95
28	11	16	60	176	119	296	294	70	e4.5	e64	e60	164
29	27	18	57	145	129	278	227	184	e3.5	e72	e40	212
30	30	14	58	125	---	326	181	368	e2.5	e100	31	200
31	28	---	57	110	---	396	---	419	---	e125	23	---
TOTAL	308.5	508.6	2675	4960	2697	5402	13600	7613	2443.5	553.70	2422	1091.2
MEAN	9.95	17.0	86.3	160	93.0	174	453	246	81.4	17.9	78.1	36.4
MAX	30	39	388	362	257	396	815	628	341	125	140	212
MIN	3.0	4.6	11	63	20	77	82	25	2.5	.00	23	7.4
AC-FT	612	1010	5310	9840	5350	10710	26980	15100	4850	1100	4800	2160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	62.2	245	462	421	502	535	518	458	163	58.5	50.7	70.8
MAX	775	1394	1451	1515	1680	1253	1517	1698	1191	482	402	391
(WY)	1985	1958	1974	1991	1956	1990	1973	1968	1974	1960	1966	1978
MIN	2.28	.83	2.87	25.9	65.2	166	64.5	23.6	2.28	1.28	1.77	2.84
(WY)	1957	1955	1955	1955	1972	1972	1960	1988	1988	1980	1980	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	56500.55		44274.50			
ANNUAL MEAN	155		121		294	
HIGHEST ANNUAL MEAN					550	1973
LOWEST ANNUAL MEAN					95.2	1963
HIGHEST DAILY MEAN	1150	Jan 23	815	Apr 18	5570	Dec 29 1987
LOWEST DAILY MEAN	.42	Sep 3	.00	Jul 8	.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 29	.01	Jul 7	.00	Oct 18 1954
INSTANTANEOUS PEAK FLOW			822	Apr 19	5750	Dec 29 1987
INSTANTANEOUS PEAK STAGE			15.26	Apr 19	27.11	Dec 29 1987
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	112100		87820		213300	
10 PERCENT EXCEEDS	435		336		878	
50 PERCENT EXCEEDS	39		63		85	
90 PERCENT EXCEEDS	4.6		3.9		6.8	

[e]Estimated

07337000 RED RIVER AT INDEX

LOCATION.--Lat 33°33'07", long 94°02'28", in NW1/4SW1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi^2, of which 5,936 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above sea level. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17600	3940	1890	3960	6300	2330	17700	21500	6670	4120	8680	18800
2	17600	3350	1720	5280	6500	2240	17400	17900	6160	4160	10300	19200
3	16800	2780	2040	e5520	7510	3250	15200	13800	5600	4170	11800	18900
4	16700	2580	2480	7330	7400	4230	12600	9610	5360	3910	13600	17200
5	16900	2730	2570	8680	7390	4340	11000	7600	6130	3540	12500	17000
6	17200	2980	2440	10600	8660	3750	10100	7170	6480	3520	9800	19000
7	14600	3400	2530	11800	9640	3210	7730	7130	6240	3590	7760	18700
8	12600	3220	2330	11300	9470	2490	6420	6480	6690	3570	7700	18000
9	12100	3020	1940	10600	9720	2070	6060	5370	5870	3560	8000	17900
10	11200	2790	2310	8940	9150	2540	5770	4430	4930	3860	7250	16400
11	10500	2560	3030	5990	7390	2960	5130	5790	4550	3800	7080	e13100
12	10300	2730	3180	4350	5520	3280	4380	9060	4310	3230	7940	e12000
13	10100	2960	3280	4410	4780	3900	4290	12500	4180	3210	11500	11600
14	8910	2970	3390	4890	4340	4060	4470	10200	4810	5250	13600	11600
15	7220	2920	3400	4750	3430	3090	5600	12800	4820	8500	13500	11500
16	6620	2750	3710	4520	2790	2400	12900	14200	11900	13100	12800	11500
17	6330	2300	3680	4320	4890	2970	16400	13700	12900	14300	11300	11500
18	5530	1970	3860	3550	6210	3160	15000	13300	9440	12600	8650	12100
19	4840	2230	3800	2940	5370	3110	13200	12000	7210	12600	6660	14800
20	4580	2820	4050	4090	4720	3200	11800	7460	5610	14500	6270	15200
21	4580	3140	4380	7440	4390	3150	9290	5310	4360	14400	6290	16200
22	4530	3130	6370	8750	3520	2560	8230	4630	3850	12200	5950	26200
23	4420	2740	6870	8700	2710	2300	8160	4180	4280	11000	5610	32000
24	4330	2160	5860	7590	2590	3210	7940	3690	4500	10300	5670	30600
25	4360	1890	4880	6410	3340	3790	12500	7060	4510	9340	6020	29100
26	4230	e2450	4400	6880	3510	3770	22000	11100	4450	6810	6550	29400
27	4060	e2970	4220	9350	3620	3640	22500	10100	4340	5300	7360	30100
28	3490	e2800	3830	10500	3750	3280	21900	9160	3880	4950	7590	36500
29	3380	2360	3030	9860	3100	2760	22100	9530	3830	4700	8440	43300
30	3230	2090	2780	9300	---	3750	23200	9070	4110	5210	15600	40600
31	3540	---	3560	8210	---	12200	---	8230	---	5900	21100	---
TOTAL	272380	82730	107810	220810	161710	106990	360970	294060	171970	219200	292870	620000
MEAN	8786	2758	3478	7123	5576	3451	12030	9486	5732	7071	9447	20670
MAX	17600	3940	6870	11800	9720	12200	23200	21500	12900	14500	21100	43300
MIN	3230	1890	1720	2940	2590	2070	4290	3690	3830	3210	5610	11500
AC-FT	540300	164100	213800	438000	320800	212200	716000	583300	341100	434800	580900	1230000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	8225	10440	11530	10510	13700	16300	17030	24490	22890	10010	5876	6155
MAX	41690	47140	47910	52290	38960	67730	61460	121000	94400	33990	39230	30340
(WY)	1946	1975	1992	1992	1946	1945	1990	1990	1957	1989	1950	1950
MIN	716	642	1206	1360	2127	2233	2096	4199	3098	1162	1025	909
(WY)	1957	1957	1957	1964	1964	1967	1956	1972	1988	1944	1944	1944

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	7407690		2911500			
ANNUAL MEAN	20300		7955		[a]13080	
HIGHEST ANNUAL MEAN					30420	1990
LOWEST ANNUAL MEAN					4383	1964
HIGHEST DAILY MEAN	88100	May 10	43300	Sep 29	268000	May 10 1990
LOWEST DAILY MEAN	1720	Dec 2	1720	Dec 2	384	Nov 28 1956
ANNUAL SEVEN-DAY MINIMUM	2160	Nov 29	2160	Nov 29	397	Oct 19 1956
INSTANTANEOUS PEAK FLOW			44000	Sep 29	[b]270000	May 10 1990
INSTANTANEOUS PEAK STAGE			11.84	Sep 29	[c]32.30	May 10 1990
INSTANTANEOUS LOW FLOW			1690	Dec 2	378	Nov 28 1956
ANNUAL RUNOFF (AC-FT)	14690000		5775000		9477000	
10 PERCENT EXCEEDS	49700		16300		35200	
50 PERCENT EXCEEDS	13400		5820		5870	
90 PERCENT EXCEEDS	3030		2780		2280	

[a]Prior to regulation, water years 1937-43, 11,970 ft^3/s
[b]Maximum discharge for period of record, 297,000 ft^3/s Feb. 22, 1938
[c]Maximum gage height for period, 34.25 ft Feb. 22, 1938 from graph based on gage readings
[e]Estimated

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.–Water years 1947-1956, April 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
18.	1000	80513	81213	5370	1450	8.3	763	20.0	7.9	88

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
18.	1000	320	85	26	140	48	3	6.0	220

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
18.	1000	240	866	<0.010	<0.020	0.020	0.03	0.51	0.53

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
18.	1000	0.53	0.050	<0.020	0.020	0.06	201	2910	88

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
05...	1341	80513	80513	380	0.90	1.80	1040	2310
05...	1343	80513	80513	380	2.50	5.00	1000	--
05...	1346	80513	80513	380	2.90	5.80	965	--
05...	1348	80513	80513	380	2.30	4.60	927	--
05...	1350	80513	80513	380	2.20	4.40	889	--
05...	1351	80513	80513	380	2.50	5.00	851	--
05...	1353	80513	80513	380	0.50	1.00	813	--
05...	1355	80513	80513	380	0.40	0.80	775	--
05...	1356	80513	80513	380	0.20	0.40	737	--
05...	1358	80513	80513	380	0.30	0.60	699	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
05...	1341	1300	7.9	14.0	9.8	96	762
05...	1343	1300	7.9	14.0	9.9	96	762
05...	1346	1300	7.9	14.0	9.9	96	762
05...	1348	1300	7.9	14.0	9.8	96	762
05...	1350	1310	7.9	14.0	9.8	95	762
05...	1351	1310	7.9	14.0	9.8	95	762
05...	1353	1310	7.9	14.0	9.8	96	762
05...	1355	1310	7.9	14.0	9.9	96	762
05...	1356	1310	7.9	14.5	10.0	98	762
05...	1358	1310	7.9	14.5	10.5	104	762

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC										
06...	1235	80513	81213	2360	1300	7.7	765	--	--	--
MAR										
06...	1230	80513	81213	3530	1880	8.0	755	17.0	10.9	114
APR										
24...	1300	80513	81213	8130	837	8.2	763	19.5	10.3	112
AUG										
01...	0755	80513	81213	8510	1060	8.1	750	28.0	7.2	94
27...	0910	80513	81213	7250	1950	8.2	759	28.5	6.5	85

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
DEC									
06...	1235	61	--	52	370	100	28	130	43
MAR									
06...	1230	130	100	120	440	120	34	220	52
APR									
24...	1300	K10	K8	K15	190	52	15	81	47
AUG									
01...	0755	K650	680	1300	250	64	22	120	50
27...	0910	87	42	100	430	110	37	240	55

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC									
06...	1235	3	5.7	170	190	794	0.040	0.040	0.18
MAR									
06...	1230	5	5.5	320	340	1190	--	--	--
APR									
24...	1300	3	3.6	130	130	510	--	--	--
AUG									
01...	0755	3	4.7	170	170	662	0.060	0.060	0.27
27...	0910	5	6.0	330	360	1230	--	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC									
06...	1235	0.010	0.03	0.050	0.050	0.050	0.06	0.67	0.72
MAR									
06...	1230	<0.010	--	--	<0.020	0.020	0.03	0.85	0.87
APR									
24...	1300	<0.010	--	--	<0.020	0.020	0.03	0.84	0.86
AUG									
01...	0755	0.010	0.03	0.070	0.070	0.090	0.12	1.2	1.3
27...	0910	<0.010	--	--	<0.020	<0.010	--	0.86	0.86

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC									
06...	1235	0.77	0.070	<0.020	0.010	0.03	77	491	85
MAR									
06...	1230	0.87	0.090	<0.020	0.010	0.03	189	1800	95
APR									
24...	1300	0.86	0.140	<0.020	<0.010	--	328	7200	63
AUG									
01...	0755	1.4	0.260	0.020	0.050	0.15	579	13300	72
27...	0910	0.86	0.140	<0.020	0.030	0.09	311	6090	67

07340000 LITTLE RIVER NEAR HORATIO

LOCATION.--Lat 33°55'10", long 94°23'15", in NE1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^2.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above sea level. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1934, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	773	308	186	402	2170	1290	1300	934	1010	658	3300	3050
2	412	321	184	573	1980	1360	1110	562	1000	1010	2400	2540
3	413	308	183	970	2310	624	1750	510	1220	1770	3070	2450
4	376	311	181	2050	1420	281	1760	506	1630	2030	3830	2250
5	410	305	180	2160	823	629	1720	477	2740	978	2280	2410
6	442	301	185	1990	839	380	1500	455	2320	677	2490	1510
7	449	300	250	1830	680	364	692	1840	1270	540	2990	1250
8	399	274	386	1720	503	1420	436	1920	844	546	2910	724
9	335	258	405	1720	444	1980	373	1540	855	721	2330	1830
10	336	253	457	1660	897	435	350	1720	649	804	1950	1260
11	332	247	345	828	386	211	672	3180	643	805	2220	819
12	335	233	371	445	273	187	1440	7470	552	3470	4440	1260
13	328	224	319	404	389	193	2390	3960	837	9570	4840	987
14	320	217	213	432	567	175	5960	3830	1480	11000	3520	587
15	321	221	203	416	423	192	6120	5490	1090	19300	3040	503
16	271	216	458	397	570	231	5740	6050	761	12200	3540	579
17	322	228	391	386	728	207	6640	6160	606	6810	2040	1700
18	324	272	350	483	301	189	6890	5820	1660	7900	863	1820
19	370	211	567	1340	204	271	6220	2860	2450	7640	633	1760
20	354	205	1010	2980	194	565	3200	1720	1290	6870	1650	2170
21	368	212	1140	2980	221	828	1590	1790	1350	3550	1720	2750
22	352	235	860	2760	236	418	1360	880	1450	2130	1460	3160
23	259	199	763	2830	188	316	1440	2450	789	1950	1830	2600
24	266	191	579	2740	181	274	2020	6310	532	1320	1560	3390
25	282	188	491	3390	180	321	4190	6960	694	1550	691	4770
26	405	188	447	3920	179	394	5830	5920	1450	1760	458	5090
27	368	182	413	3670	269	405	4690	4990	1200	1320	637	8050
28	365	191	387	2360	590	675	1580	4790	1260	973	899	9810
29	330	218	383	1610	1270	1840	1030	4250	1140	905	2770	8360
30	242	189	375	1490	---	2260	2960	1870	810	1200	4560	6480
31	253	---	378	1750	---	1710	---	1030	---	1990	4260	---
TOTAL	11112	7206	13040	52686	19415	20625	82953	98244	35582	113947	75181	85919
MEAN	358	240	421	1700	669	665	2765	3169	1186	3676	2425	2864
MAX	773	321	1140	3920	2310	2260	6890	7470	2740	19300	4840	9810
MIN	242	182	180	386	179	175	350	455	532	540	458	503
AC-FT	22040	14290	25860	104500	38510	40910	164500	194900	70580	226000	149100	170400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1996, BY WATER YEAR (WY)

MEAN	2034	4290	6162	4662	5455	6579	5694	6564	4418	1664	1174	1451
MAX	9360	15960	17120	11440	12390	14880	16250	16790	14180	8397	3542	10430
(WY)	1985	1975	1972	1993	1989	1973	1973	1990	1990	1983	1992	1974
MIN	281	240	244	493	669	665	1449	530	346	281	411	303
(WY)	1989	1996	1990	1981	1996	1996	1981	1988	1988	1972	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1969 - 1996	
ANNUAL TOTAL	1107391		615910			
ANNUAL MEAN	3034		1683		[a]4172	
HIGHEST ANNUAL MEAN					7523	1973
LOWEST ANNUAL MEAN					1547	1976
HIGHEST DAILY MEAN	22000	May 9	19300	Jul 15	57700	Dec 12 1971
LOWEST DAILY MEAN	180	Nov 27	175	Mar 14	[b]121	Oct 5 1972
ANNUAL SEVEN-DAY MINIMUM	184	Nov 30	184	Nov 30	152	Oct 4 1972
INSTANTANEOUS PEAK FLOW			20100	Jul 15	[c]65100	Dec 10 1971
INSTANTANEOUS PEAK STAGE			22.67	Jul 15	[d]32.84	Dec 10 1971
ANNUAL RUNOFF (AC-FT)	2197000		1222000		3022000	
10 PERCENT EXCEEDS	9500		4250		12400	
50 PERCENT EXCEEDS	966		849		1790	
90 PERCENT EXCEEDS	273		223		350	

[a]Prior to regulation, water years 1931-68, 3,742 ft^3/s
[b]Minimum discharge for period of record, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934
[c]Maximum discharge for period of record, 120,000 ft^3/s Mar. 30, 1945, from rating curve extended above 93,000 ft^3/s
[d]Maximum gage height for period of record, 37.70 ft Mar. 30, 1945

07340300 COSSATOT RIVER NEAR VANDERVOORT
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE1/4NE1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, on right bank 200 ft upstream from bridge on State Highway 246, 0.3 mi downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	67	15	34	44	68	187	61	176	15	25	27
2	19	e70	15	241	41	64	148	54	260	15	27	23
3	49	32	15	191	38	58	128	49	143	16	41	21
4	32	e25	15	134	38	51	141	46	98	13	66	19
5	23	e22	15	106	49	57	127	43	72	12	44	18
6	20	20	15	92	34	84	116	121	58	14	33	16
7	18	20	14	77	34	89	109	400	72	13	27	16
8	17	19	18	68	35	77	104	197	54	12	24	15
9	16	18	26	67	34	68	93	129	44	23	21	15
10	16	17	22	53	32	62	84	96	38	61	20	14
11	15	20	19	48	30	57	77	2060	33	63	27	13
12	15	24	19	43	28	52	148	541	31	315	24	13
13	14	21	18	39	27	50	1500	292	29	239	19	12
14	14	20	18	37	27	48	513	202	26	156	18	12
15	13	19	18	35	27	45	294	150	24	186	16	16
16	13	18	17	33	26	41	199	111	22	93	15	52
17	13	17	255	32	25	38	151	84	21	65	15	27
18	13	17	350	218	25	121	122	67	20	44	29	21
19	13	17	451	257	238	283	101	54	23	34	43	19
20	13	17	162	165	267	184	131	46	20	27	24	20
21	12	17	96	118	165	138	114	40	18	22	19	20
22	12	16	68	91	121	110	245	353	17	19	17	18
23	13	16	52	84	96	90	433	277	15	e30	15	16
24	13	16	42	91	76	97	241	148	14	e130	15	147
25	13	15	36	91	64	380	168	96	15	90	14	80
26	15	15	32	87	58	279	123	71	23	54	15	593
27	15	15	29	76	60	217	89	79	40	39	92	640
28	15	15	27	64	83	626	76	89	24	31	104	308
29	14	15	25	59	72	513	94	69	19	26	79	161
30	13	15	25	55	---	344	72	53	16	25	47	98
31	13	---	28	49	---	251	---	46	---	30	33	---
TOTAL	510	655	1957	2835	1894	4642	6128	6124	1465	1912	1008	2470
MEAN	16.5	21.8	63.1	91.5	65.3	150	204	198	48.8	61.7	32.5	82.3
MAX	49	70	451	257	267	626	1500	2060	260	315	104	640
MIN	12	15	14	32	25	38	72	40	14	12	14	12
AC-FT	1010	1300	3880	5620	3760	9210	12150	12150	2910	3790	2000	4900
CFSM	.18	.24	.70	1.02	.73	1.67	2.28	2.20	.55	.69	.36	.92
IN.	.21	.27	.81	1.18	.79	1.93	2.54	2.54	.61	.79	.42	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

MEAN	127	215	322	230	233	363	289	267	146	91.3	29.6	59.0
MAX	899	545	1105	624	463	860	799	827	426	565	65.1	376
(WY)	1985	1975	1972	1969	1989	1973	1973	1968	1973	1994	1971	1974
MIN	11.2	19.8	25.6	24.2	65.3	61.5	60.3	24.5	11.5	11.4	9.57	11.6
(WY)	1979	1990	1990	1981	1996	1986	1987	1988	1972	1978	1972	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1967 - 1996	
ANNUAL TOTAL	55567		31600			
ANNUAL MEAN	152		86.3		198	
HIGHEST ANNUAL MEAN					358	1973
LOWEST ANNUAL MEAN					86.3	1996
HIGHEST DAILY MEAN	4040	May 8	2060	May 11	15800	Dec 9 1971
LOWEST DAILY MEAN	12	Aug 25	12	Oct 21	7.2	Aug 29 1972
ANNUAL SEVEN-DAY MINIMUM	13	Aug 28	13	Oct 16	7.4	Aug 27 1972
INSTANTANEOUS PEAK FLOW			7260	May 11	[a]32000	Dec 2 1982
INSTANTANEOUS PEAK STAGE			10.80	May 11	19.50	Dec 2 1982
INSTANTANEOUS LOW FLOW			11	Sep 14,15	7.2	Aug 28-31 1972
ANNUAL RUNOFF (AC-FT)	110200		62680		143300	
ANNUAL RUNOFF (CFSM)	1.70		.96		2.21	
ANNUAL RUNOFF (INCHES)	23.07		13.12		30.00	
10 PERCENT EXCEEDS	327		198		403	
50 PERCENT EXCEEDS	53		38		66	
90 PERCENT EXCEEDS	14		15		15	

[a]From rating curve extended above 11,000 ft^3/s on basis of step-backwater computations
[e]Estimated

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
18...	1315	80513	80020	13	71	7.7	748	18.0	0.20	9.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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)
OCT										
18...	1315	107	27	1	8.1	1.7	2.0	13	0.2	0.70

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT										
18...	1315	28	0	32	26	3.3	1.9	<0.10	6.8	35

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT										
18...	1315	40	0.05	1.23	0.010	0.03	<0.050	<0.015	<0.20	<0.010

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT										
18...	1315	<0.010	0.010	0.03	<10	12	3.0	5.0	<4	2.0

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
18...	1315	<10	<1.0	<1	<1.0	22	<6	14	0.49	82

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
06...	0841	80513	80513	100	0.10	0.20	95.0	14
06...	0843	80513	80513	100	0.10	0.20	85.0	--
06...	0845	80513	80513	100	0.10	0.20	75.0	--
06...	0846	80513	80513	100	0.10	0.20	65.0	--
06...	0847	80513	80513	100	0.20	0.40	55.0	--
06...	0849	80513	80513	100	0.30	0.60	45.0	--
06...	0850	80513	80513	100	0.20	0.40	35.0	--
06...	0851	80513	80513	100	0.10	0.20	25.0	--
06...	0852	80513	80513	100	0.0	0.20	15.0	--
06...	0853	80513	80513	100	0.10	0.20	5.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
06...	0841	61	6.9	10.0	10.6	94	751
06...	0843	61	6.9	10.0	10.5	94	751
06...	0845	61	7.0	10.0	10.4	93	751
06...	0846	61	7.0	10.0	10.5	95	751
06...	0847	61	7.0	10.0	10.5	94	751
06...	0849	61	7.0	10.0	10.5	94	751
06...	0850	61	7.0	10.0	10.5	94	751
06...	0851	61	7.0	10.0	10.5	94	751
06...	0852	61	7.0	10.0	10.5	94	751
06...	0853	61	7.1	10.0	10.4	93	751

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL										
31...	1515	80513	80020	31	52	8.4	760	28.0	0.40	8.3

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
JUL 31...	1515	106	180	24	19	2	5.2	1.4	1.8	17

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
JUL 31...	1515	0.2	0.70	17	0	20	16	3.2	1.6	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
JUL 31...	1515	7.0	24	32	0.03	2.01	0.120	0.120	0.53	0.010

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
JUL 31...	1515	0.03	0.130	0.130	0.080	0.10	<0.20	<0.010	<0.010	0.010

DATE	TIME	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)
JUL 31...	1515	0.03	13	9.0	<3.0	31	<4	6.0	<10	<1.0

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
JUL 31...	1515	<1	<1.0	18	<6	0.0	0.010	0.05	11	0.92

07341200 SALINE RIVER NEAR LOCKESBURG

LOCATION.--Lat 33°57'43", long 94°03'40", in NW1/4SE1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, on right bank 50 ft upstream of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi².

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

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Regulation since May 8, 1975, by Dierks Lake 5.9 mi upstream, capacity 159,500 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	15	8.4	20	19	30	49	141	76	76	80	22
2	11	28	8.7	45	18	25	38	94	133	74	176	22
3	11	25	9.7	74	18	22	33	72	87	59	234	22
4	15	14	8.5	45	17	21	30	52	77	24	436	21
5	12	12	7.9	30	16	20	29	27	49	23	141	19
6	11	e10	8.2	24	16	20	27	28	38	23	216	19
7	10	8.9	8.3	21	16	20	24	372	41	22	231	18
8	10	8.2	13	20	17	18	23	460	43	23	218	18
9	10	7.9	27	18	18	17	22	476	35	26	120	18
10	10	7.7	20	18	17	17	21	452	31	41	65	18
11	10	8.2	15	18	18	17	20	427	30	37	82	17
12	9.5	8.3	14	17	16	17	23	407	28	208	85	17
13	7.3	8.5	13	16	15	17	650	392	33	566	164	17
14	206	8.7	13	16	15	17	457	317	32	259	157	17
15	224	8.3	14	15	14	17	328	295	28	372	85	18
16	218	7.9	15	15	14	17	762	182	26	525	47	20
17	14	7.8	19	15	14	17	1000	73	24	524	43	22
18	8.1	8.1	30	21	14	20	983	33	24	508	41	19
19	7.2	7.9	45	37	15	24	950	27	24	500	41	18
20	6.9	7.7	42	30	15	25	256	25	31	495	36	19
21	6.5	7.9	25	24	15	21	141	23	27	490	23	19
22	6.3	7.7	20	22	15	20	143	23	24	478	22	18
23	6.5	8.1	18	21	14	20	321	29	23	279	22	18
24	6.6	8.0	17	23	14	21	564	226	22	124	22	23
25	7.1	8.2	16	39	14	114	505	268	22	26	22	27
26	8.2	8.3	15	30	13	114	184	265	24	23	22	25
27	216	8.1	16	25	15	61	155	272	27	33	23	43
28	234	8.3	15	22	47	62	148	274	127	55	25	502
29	205	8.2	14	21	48	132	147	198	106	54	24	591
30	18	8.1	15	20	---	90	142	164	78	55	23	564
31	12	---	17	19	---	65	---	160	---	105	22	---
TOTAL	1548.2	299.0	527.7	781	517	1118	8175	6254	1370	6107	2948	2211
MEAN	49.9	9.97	17.0	25.2	17.8	36.1	272	202	45.7	197	95.1	73.7
MAX	234	28	45	74	48	132	1000	476	133	566	436	591
MIN	6.3	7.7	7.9	15	13	17	20	23	22	22	22	17
AC-FT	3070	593	1050	1550	1030	2220	16220	12400	2720	12110	5850	4390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

MEAN	189	405	689	517	640	790	585	558	384	240	57.8	61.4
MAX	887	1854	2719	1292	1521	1772	1415	1295	1458	1451	236	454
(WY)	1994	1975	1983	1994	1989	1990	1979	1979	1981	1983	1989	1992
MIN	4.88	9.97	14.7	25.2	17.8	36.1	218	40.0	22.3	15.8	20.5	8.03
(WY)	1978	1996	1990	1996	1996	1996	1981	1987	1988	1978	1977	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	106286.9		31855.9			
ANNUAL MEAN	291		87.0		[a]426	
HIGHEST ANNUAL MEAN					733	1983
LOWEST ANNUAL MEAN					87.0	1996
HIGHEST DAILY MEAN	5300	May 9	1000	Apr 17	36800	Dec 3 1982
LOWEST DAILY MEAN	6.3	Oct 22	6.3	Oct 22	[b]2.3	Oct 16 1977
ANNUAL SEVEN-DAY MINIMUM	6.7	Oct 19	6.7	Oct 19	2.4	Oct 14 1977
INSTANTANEOUS PEAK FLOW			1100	Apr 13	[c]59600	Dec 3 1982
INSTANTANEOUS PEAK STAGE			9.22	Apr 13	[d]20.52	Dec 3 1982
ANNUAL RUNOFF (AC-FT)	210800		63190		308300	
10 PERCENT EXCEEDS	928		266		1020	
50 PERCENT EXCEEDS	45		23		121	
90 PERCENT EXCEEDS	8.5		8.5		17	

[a]Prior to regulation, water years 1964-74,382 ft³/s
[b]Minimum discharge for period of record, 0.20 ft³/s Nov. 6, 1963, and Oct. 29, 1969
[c]Maximum discharge for period of record, 64,700 ft³/s May 14, 1968, from rating extended above 23,000 ft³/s on basis of contracted opening measurement of peak flow
[d]Maximum gage height, 20.86 ft May 14, 1968
[e]Estimated

07356000 OUACHITA RIVER NEAR MOUNT IDA

LOCATION.--Lat 34°36'36", long 93°41'50", in SE1/4SW1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi^2.

PERIOD OF RECORD.--November 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft above sea lavel. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941 to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Records good. As of August 1977, flow from 34.3 mi^2 upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,355 acre-ft is sediment storage. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft higher than that of 1908 and is the highest since at least that date, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	61	42	123	236	245	704	391	495	69	106	107
2	40	120	42	736	214	219	580	328	1630	63	497	88
3	47	131	42	1050	196	197	496	279	802	59	388	78
4	54	97	42	730	176	180	456	247	582	57	278	69
5	e60	73	42	591	157	171	470	221	460	56	238	61
6	60	62	41	533	148	425	396	227	375	56	176	55
7	55	57	40	464	148	564	346	1670	891	56	130	50
8	49	52	43	389	146	415	317	922	604	53	106	47
9	45	49	46	334	144	353	279	607	449	50	124	42
10	42	49	50	308	137	311	250	475	349	52	134	39
11	40	54	50	284	127	276	225	8290	281	68	96	36
12	39	50	52	262	116	247	235	3120	235	106	86	33
13	37	53	53	241	108	224	2830	1670	204	228	76	31
14	35	50	51	223	102	207	1930	1300	182	347	72	30
15	33	49	49	207	100	194	1220	939	167	229	62	e31
16	32	48	48	192	93	180	876	720	148	283	54	43
17	31	48	96	180	89	165	695	563	145	186	49	64
18	30	48	969	275	86	195	579	455	160	132	47	65
19	30	47	1380	951	412	641	498	371	147	106	57	67
20	30	47	778	690	1630	634	647	300	129	87	89	56
21	29	46	493	559	789	527	664	253	116	74	70	51
22	28	46	359	474	572	458	779	376	103	65	59	46
23	27	45	269	448	465	398	2810	460	91	59	52	41
24	27	44	213	584	375	358	1600	354	83	70	48	79
25	26	44	178	573	304	633	1120	255	78	150	43	80
26	28	43	159	487	263	691	853	204	86	106	43	205
27	30	43	143	429	244	558	665	183	79	115	50	1190
28	30	42	127	371	297	989	551	235	76	99	274	898
29	30	41	115	329	287	1570	542	220	77	70	334	563
30	30	41	109	297	---	1110	484	174	77	68	196	393
31	30	---	107	266	---	885	---	147	---	90	140	---
TOTAL	1144	1680	6228	13580	8161	14220	24097	25956	9301	3309	4174	4638
MEAN	36.9	56.0	201	438	281	459	803	837	310	107	135	155
MAX	60	131	1380	1050	1630	1570	2830	8290	1630	347	497	1190
MIN	26	41	40	123	86	165	225	147	76	50	43	30
AC-FT	2270	3330	12350	26940	16190	28210	47800	51480	18450	6560	8280	9200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

MEAN	356	698	1030	906	1105	1347	1140	1148	508	243	96.6	205
MAX	4031	2935	5373	3676	4574	5692	4230	3679	2084	1130	506	1470
(WY)	1985	1973	1983	1949	1945	1945	1957	1990	1974	1951	1950	1974
MIN	7.24	21.9	37.1	34.5	104	197	275	102	28.6	13.9	6.33	5.45
(WY)	1957	1964	1964	1964	1963	1972	1963	1977	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1942 - 1996	
ANNUAL TOTAL	207911		116488			
ANNUAL MEAN	570		318		730	
HIGHEST ANNUAL MEAN					1499	1945
LOWEST ANNUAL MEAN					263	1963
HIGHEST DAILY MEAN	17600	Jan 13	8290	May 11	79800	Dec 3 1982
LOWEST DAILY MEAN	19	Sep 6	26	Oct 25	2.5	Aug 25 1954
ANNUAL SEVEN-DAY MINIMUM	19	Sep 4	28	Oct 20	2.8	Aug 19 1954
INSTANTANEOUS PEAK FLOW			13500	May 11	102000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			14.71	May 11	[a]39.78	Dec 3 1982
INSTANTANEOUS LOW FLOW			26	Oct 24,25	2.3	Aug 25 1954
ANNUAL RUNOFF (AC-FT)	412400		231100		528800	
10 PERCENT EXCEEDS	1100		698		1590	
50 PERCENT EXCEEDS	191		148		244	
90 PERCENT EXCEEDS	30		42		32	

[a]From floodmark
[e]Estimated

07359002 OUACHITA RIVER BELOW REMMEL DAM AT JONES MILL

LOCATION.--Lat 34°25'50", long 92°52'51", in NE1/4NE1/4 sec.36, T.3 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at left bank 0.25 mi downstream from confluence of Cove Creek, 0.8 mi downstream from Remmel Dam at Jones Mill and at mile 455.1.

DRAINAGE AREA.--1,550 mi^2.

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1924 (fragmentary), October 1925 to April, 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937, as "near Malvern (07359500)" April 1937 to September 1991.

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 248.16 ft above sea level. March 1903 to April 1905, nonrecording gage 5.0 mi downstream at datum 18.11 ft lower. June 1922 to September 1924, nonrecording gage 5.0 mi downstream at datum 20.11 ft lower. January 1925 to March 1937, water-stage recorder at Remmel Dam, 0.8 mi upstream at present datum. April 1937 to September 1991 water-stage recorder 5.0 mi downstream at datum 20.11 ft lower.

REMARKS.--Records good, except periods of estimated daily discharge, which are fair. Flow regulated since 1925 by Lake Catherine, 0.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1370	448	505	940	361	405	461	1860	1640	1690	577
2	1270	1830	423	2080	479	352	832	808	552	2180	3220	464
3	475	1470	426	2690	754	332	911	378	1150	1930	2100	471
4	522	2290	422	708	1080	341	915	449	509	496	2550	971
5	582	2050	400	440	882	366	782	814	669	1120	2290	402
6	507	1740	414	495	456	341	403	1700	2170	1500	2750	1300
7	473	1500	392	1240	531	800	416	5320	2100	1010	2600	1290
8	499	1730	425	2230	371	340	417	1140	1190	443	1700	1340
9	542	1790	425	523	419	397	522	3420	1060	596	1270	976
10	471	1510	417	413	444	331	387	3430	474	453	961	1180
11	657	747	596	586	418	341	388	7870	602	825	486	e1100
12	504	433	454	594	418	326	850	7210	666	850	515	e800
13	470	825	427	465	377	322	5700	7150	642	583	559	644
14	463	999	422	419	407	341	3140	3400	807	789	1420	709
15	463	791	429	459	421	321	404	3420	456	691	2530	590
16	485	462	431	413	418	310	804	3430	417	548	1830	e800
17	470	466	419	616	471	303	1010	3910	1730	571	1230	e1000
18	682	457	452	655	392	1010	895	2410	825	676	1020	1440
19	481	430	654	1820	1200	448	807	3450	1200	2110	1680	2080
20	507	457	513	1010	1610	411	1020	3360	2170	1810	1810	1540
21	558	836	446	409	1060	423	738	2760	1730	1830	886	1340
22	420	444	403	413	497	469	1700	3260	1130	1690	2500	969
23	e700	424	410	501	645	460	635	3260	504	1880	2420	1240
24	e680	446	409	466	419	967	604	1510	1160	1450	966	489
25	e650	465	395	854	393	1710	458	494	1020	561	1220	581
26	655	430	415	419	1000	360	895	412	1910	1360	1630	2280
27	501	420	426	445	409	662	878	e700	519	758	1200	e1500
28	708	452	432	424	402	678	1580	e3500	947	548	956	1350
29	611	419	424	412	343	385	900	1180	921	1580	1010	477
30	750	431	427	508	---	886	491	899	647	2530	548	1630
31	775	---	411	948	---	424	---	539	---	3400	839	---
TOTAL	18761	28114	13587	24160	17656	15518	29887	82044	31737	38408	48386	31530
MEAN	605	937	438	779	609	501	996	2647	1058	1239	1561	1051
MAX	1270	2290	654	2690	1610	1710	5700	7870	2170	3400	3220	2280
MIN	420	419	392	409	343	303	387	378	417	443	486	402
AC-FT	37210	55760	26950	47920	35020	30780	59280	162700	62950	76180	95970	62540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

MEAN	1313	2123	3192	3745	3374	3391	3686	3571	1795	1148	1066	1153
MAX	6425	9717	13790	13560	11880	17230	13620	12550	9436	3602	2850	4224
(WY)	1985	1985	1983	1949	1950	1945	1952	1946	1974	1967	1966	1950
MIN	126	97.1	395	87.1	417	442	403	263	161	98.2	93.5	95.7
(WY)	1933	1944	1940	1931	1936	1966	1963	1936	1934	1930	1930	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	779252		379788			
ANNUAL MEAN	2135		1038		2459	
HIGHEST ANNUAL MEAN					5209	1973
LOWEST ANNUAL MEAN					746	1954
HIGHEST DAILY MEAN	21200	Apr 11	7870	May 11	104000	Mar 30 1945
LOWEST DAILY MEAN	364	Sep 4	303	Mar 17	39	Jun 22 1929
ANNUAL SEVEN-DAY MINIMUM	413	Dec 22	323	Mar 11	58	Nov 13 1943
INSTANTANEOUS PEAK FLOW			10800	May 11	[a]166000	May 20 1990
INSTANTANEOUS PEAK STAGE			7.46	May 11	[bc]30.30	May 15 1923
INSTANTANEOUS LOW FLOW			17	May 4	17	May 4 1996
ANNUAL RUNOFF (AC-FT)	1546000		753300		1782000	
10 PERCENT EXCEEDS	5180		2130		5620	
50 PERCENT EXCEEDS	1500		654		1420	
90 PERCENT EXCEEDS	441		408		270	
10 PERCENT EXCEEDS	5180		2200		5620	
50 PERCENT EXCEEDS	1520		669		1420	
90 PERCENT EXCEEDS	443		417		270	

[a]From rating curve extended above 120,000 ft^3/s on basis of computation of peak flow over Remmel Dam, 0.8 mi upstream, adjusted for flow from intervening area
[b]From floodmark
[c]Maximum gage height for period of record at different site and datum
[e]Estimated

07359610 CADDO RIVER NEAR CADDO GAP

LOCATION.--Lat 34°22'59", long 93°36'21", in SW1/4NE1/4 sec.19, T.4 S., R.24 W., Montgomery County, Hydrologic Unit 08040102, at downstream side of bridge on State Highway 240, 1.3 mi southeast of Caddo Gap.

DRAINAGE AREA.--132 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Results of discharge measurements April 1975 to September 1978 are contained in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 577.81 ft above sea level.

REMARKS.--No estimated daily discharges. Records good, except those above 10,000 ft^3/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	88	48	137	79	114	210	166	227	49	48	63
2	48	95	48	551	75	96	174	133	253	48	445	59
3	57	61	48	344	70	85	147	117	160	48	332	56
4	47	53	47	235	69	78	140	107	123	47	262	54
5	42	51	47	169	66	134	117	97	102	48	138	53
6	41	51	47	134	65	255	103	1210	91	48	95	53
7	40	53	47	109	68	194	93	3040	209	47	75	52
8	41	50	59	92	67	150	88	818	126	46	64	52
9	40	48	68	86	65	124	82	466	99	48	59	52
10	40	49	57	79	64	107	76	341	87	59	56	51
11	41	62	52	75	62	94	72	4360	76	52	56	51
12	40	59	50	70	61	86	578	1110	71	67	54	50
13	39	56	50	67	60	80	2540	632	78	67	54	50
14	37	52	49	65	60	76	1130	452	73	139	53	50
15	35	50	48	64	60	71	647	341	65	144	52	68
16	36	48	48	62	58	65	423	273	62	78	51	94
17	37	48	222	62	57	61	318	214	174	63	51	55
18	36	48	327	112	57	169	258	166	397	52	112	53
19	36	48	364	141	309	313	218	134	167	50	84	53
20	37	48	193	117	366	220	323	114	120	48	57	53
21	35	48	127	101	253	175	247	102	92	47	54	54
22	36	48	97	91	195	145	542	174	74	46	53	52
23	35	48	82	185	157	119	696	159	66	46	52	51
24	36	47	72	334	124	155	424	119	61	46	52	73
25	38	47	67	235	107	539	324	100	55	64	52	64
26	42	48	64	184	98	325	262	88	88	48	51	307
27	49	48	62	140	143	255	212	173	71	47	80	568
28	42	47	61	117	205	413	188	313	64	65	293	366
29	41	47	60	104	140	382	285	196	58	47	139	211
30	40	47	63	95	---	307	207	139	52	47	91	140
31	41	---	66	86	---	257	---	116	---	54	72	---
TOTAL	1249	1593	2740	4443	3260	5644	11124	15970	3441	1805	3187	3008
MEAN	40.3	53.1	88.4	143	112	182	371	515	115	58.2	103	100
MAX	57	95	364	551	366	539	2540	4360	397	144	445	568
MIN	35	47	47	62	57	61	72	88	52	46	48	50
AC-FT	2480	3160	5430	8810	6470	11190	22060	31680	6830	3580	6320	5970
CFSM	.30	.39	.65	1.05	.83	1.34	2.73	3.79	.84	.43	.76	.74
IN.	.34	.44	.75	1.22	.89	1.54	3.04	4.37	.94	.49	.87	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	178	365	513	420	333	421	315	447	162	134	81.7	92.4
MAX	405	810	1289	799	697	886	578	1176	286	266	203	177
(WY)	1994	1992	1994	1994	1989	1990	1991	1990	1989	1995	1994	1994
MIN	40.3	52.5	50.9	143	112	182	111	126	80.6	58.2	45.8	48.7
(WY)	1996	1990	1990	1996	1996	1996	1992	1992	1994	1996	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	70321		57464			
ANNUAL MEAN	193		157		289	
HIGHEST ANNUAL MEAN					389	1994
LOWEST ANNUAL MEAN					157	1996
HIGHEST DAILY MEAN	5100	May 8	4360	May 11	28600	Dec 3 1993
LOWEST DAILY MEAN	34	Sep 11	35	Oct 15	31	Aug 28 1993
ANNUAL SEVEN-DAY MINIMUM	36	Sep 6	36	Oct 18	32	Aug 25 1993
INSTANTANEOUS PEAK FLOW			14400	May 11	[a]97200	Dec 3 1993
INSTANTANEOUS PEAK STAGE			14.68	May 11	26.27	Dec 3 1993
INSTANTANEOUS LOW FLOW			35	Oct 15,20-23	29	Aug 29 1993
ANNUAL RUNOFF (AC-FT)	139500		114000		209200	
ANNUAL RUNOFF (CFSM)	1.42		1.15		2.12	
ANNUAL RUNOFF (INCHES)	19.23		15.72		28.85	
10 PERCENT EXCEEDS	348		314		513	
50 PERCENT EXCEEDS	87		70		119	
90 PERCENT EXCEEDS	41		47		47	

[a]From rating curve extended above 10,000ft^3/s on basis of slope-conveyance study

07361500 ANTOINE RIVER AT ANTOINE

LOCATION.--Lat 34°02'20", long 93°25'05", in NW1/4NW1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi downstream from Brushy Creek, 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft above sea level. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	1.0	21	17	33	154	e214	e43	111	13	10	51
2	.26	1.9	21	41	30	126	e168	e40	176	8.6	1510	36
3	.33	2.3	21	151	27	100	e133	e32	176	6.0	476	28
4	.29	32	21	106	26	81	e113	26	135	4.1	409	23
5	.34	33	21	78	25	73	e95	21	101	3.6	299	19
6	.40	25	21	62	19	e79	e74	488	76	100	222	16
7	.45	22	20	51	18	e69	e62	4310	78	46	150	14
8	.48	17	25	45	18	e52	e55	914	114	16	94	12
9	.50	14	31	37	19	e42	e42	513	91	10	64	10
10	.50	15	33	31	19	e38	e41	384	61	9.3	45	9.3
11	.48	24	33	29	17	e35	e35	2220	41	7.6	35	8.4
12	.45	25	32	26	15	e32	e54	1000	29	11	29	7.6
13	.43	26	33	23	13	e30	e1310	595	30	23	46	6.9
14	.38	25	41	20	12	e31	e737	464	74	109	31	6.1
15	.30	24	42	18	11	e27	e450	369	75	202	25	5.6
16	.24	22	42	17	9.3	e25	e314	305	53	176	19	5.8
17	.19	22	45	15	8.6	e22	e244	255	33	100	14	5.7
18	.12	21	55	23	8.7	e50	e197	218	23	43	12	5.4
19	.09	21	70	45	696	e193	e156	189	17	20	10	5.3
20	.05	21	90	66	678	e150	e125	163	14	10	11	5.5
21	.01	20	62	58	343	e115	e95	145	11	7.0	9.9	6.9
22	.00	20	46	52	239	e93	e94	457	9.2	4.8	8.5	9.3
23	.00	20	37	49	180	e81	e285	511	8.5	3.3	7.5	9.2
24	.00	20	30	54	126	e64	e162	307	7.6	2.8	6.6	12
25	.00	20	24	65	93	e456	e135	239	6.5	57	5.9	12
26	.02	20	20	58	77	e298	e110	199	259	104	5.4	18
27	.19	20	17	51	79	e226	e85	186	234	50	7.2	93
28	.26	21	14	45	269	e380	e69	192	113	155	180	216
29	.32	21	13	40	203	e482	e58	175	45	38	322	126
30	.42	21	13	38	---	e360	e51	139	22	13	152	65
31	.51	---	15	36	---	e280	---	102	---	11	81	---
TOTAL	8.29	597.2	1009	1447	3311.6	4244	5763	15201	2223.8	1364.1	4297.0	848.0
MEAN	.27	19.9	32.5	46.7	114	137	192	490	74.1	44.0	139	28.3
MAX	.51	33	90	151	696	482	1310	4310	259	202	1510	216
MIN	.00	1.0	13	15	8.6	22	35	21	6.5	2.8	5.4	5.3
AC-FT	16	1180	2000	2870	6570	8420	11430	30150	4410	2710	8520	1680
CFSM	.00	.11	.18	.26	.64	.77	1.08	2.75	.42	.25	.78	.16
IN.	.00	.12	.21	.30	.69	.89	1.20	3.18	.46	.29	.90	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	107	301	432	332	436	518	473	432	183	96.7	40.1	40.0
MAX	838	1271	1958	956	1344	1325	1548	2266	1430	823	598	439
(WY)	1985	1974	1988	1991	1989	1990	1973	1968	1974	1983	1966	1980
MIN	.000	.37	1.48	21.4	76.3	74.0	32.7	15.1	3.34	.83	.013	.020
(WY)	1957	1957	1966	1966	1963	1972	1972	1988	1966	1964	1956	1956

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	75802.18		40313.99			
ANNUAL MEAN	208		110		282	
HIGHEST ANNUAL MEAN					551	1973
LOWEST ANNUAL MEAN					109	1971
HIGHEST DAILY MEAN	9680	Apr 11	4310	May 7	20500	May 2 1958
LOWEST DAILY MEAN	.00	Sep 3	.00	Oct 22	.00	Aug 4 1956
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 3	.01	Oct 20	.00	Aug 4 1956
INSTANTANEOUS PEAK FLOW			8830	May 7	35500	May 2 1958
INSTANTANEOUS PEAK STAGE			20.70	May 7	28.75	May 2 1958
INSTANTANEOUS LOW FLOW			.00	Oct 22-25	.00	at times
ANNUAL RUNOFF (AC-FT)	150400		79960		204200	
ANNUAL RUNOFF (CFSM)	1.17		.62		1.58	
ANNUAL RUNOFF (INCHES)	15.84		8.43		21.52	
10 PERCENT EXCEEDS	455		247		593	
50 PERCENT EXCEEDS	38		32		67	
90 PERCENT EXCEEDS	.24		3.5		1.5	

[e] Estimated

07362000 OUACHITA RIVER AT CAMDEN

LOCATION.--Lat 33°35'47", long 92°49'05", in SE1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of U.S. Army Corps of Engineers. Monthly discharge only, October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE .--Water-stage recorder. Datum of gage is 71.69 ft above sea level. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug. 10, 1938, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	937	1860	1290	1180	2180	3810	3950	3080	1710	3710	1470
2	1490	1060	1500	1290	1820	2040	3250	2220	2730	1760	4200	1430
3	1380	1490	1050	1620	1690	1740	2660	2260	4100	2470	7100	1360
4	1280	1860	988	3750	1170	1550	2530	2310	3050	3120	10000	1180
5	994	1940	944	4800	1570	1470	2780	1790	3410	2540	10700	1140
6	867	2410	931	3450	1930	1290	2660	1460	2410	1540	10200	1250
7	863	2360	933	2820	1550	1430	2280	3690	2230	2000	7250	1190
8	853	2070	950	1920	1350	1550	2120	15700	4320	2300	5410	1410
9	788	1720	967	2250	1210	1820	1850	20400	4390	2260	4620	1530
10	812	1900	1010	3360	1020	1960	1770	19300	3110	1460	3670	1540
11	800	2130	1100	2600	1130	1800	1650	15100	2380	1370	2540	1470
12	759	1810	1310	1680	976	1450	1610	16000	1630	1320	2000	1430
13	797	1350	1500	1420	1050	1420	1840	18600	1540	1480	1560	1740
14	737	1060	978	1460	1150	1320	7760	17800	1500	1840	1430	1440
15	745	1090	1030	1180	998	1060	11600	15900	1530	2130	1450	1380
16	694	1310	1010	1070	973	1090	7490	12200	1900	3070	1820	1380
17	684	1450	980	1130	949	1070	5010	9670	1560	2980	2900	1460
18	908	1630	1080	1080	1030	1070	4570	8340	1360	2600	2490	1800
19	823	1630	1180	1140	1050	1140	4230	7060	2410	2190	1960	1700
20	753	1090	1430	1500	1930	2090	4520	5870	1830	2120	1600	1840
21	753	1010	1400	3020	4990	2110	4610	7170	2180	2530	2250	2430
22	685	978	1490	2160	4510	2020	3630	8010	3260	2410	2200	2440
23	669	1070	1480	1370	3200	1610	4550	6710	2870	2950	1680	2240
24	643	1100	1080	1310	2400	1640	5720	7100	1980	2810	3010	1610
25	914	963	1170	1280	1870	1900	4930	6670	1410	3290	3080	1590
26	798	1020	1050	1420	1490	3170	4500	4990	1580	2490	2000	1560
27	880	1010	951	2030	1390	4780	4230	2790	1730	1780	1780	1640
28	981	934	1000	2260	1890	3520	4140	2060	2270	2000	2280	2970
29	1060	949	1110	1290	2060	3310	5570	3240	1640	1910	1910	3070
30	789	968	1130	1360	---	4250	6070	5580	1520	1540	1580	3060
31	878	---	1370	1100	---	3890	---	4040	---	2150	1740	---
TOTAL	27127	42299	35962	59410	49526	62740	123940	257980	70910	68120	110120	51750
MEAN	875	1410	1160	1916	1708	2024	4131	8322	2364	2197	3552	1725
MAX	1490	2410	1860	4800	4990	4780	11600	20400	4390	3290	10700	3070
MIN	643	934	931	1070	949	1060	1610	1460	1360	1320	1430	1140
AC-FT	53810	83900	71330	117800	98230	124400	245800	511700	140600	135100	218400	102600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

MEAN	2467	5261	9262	12130	12200	12610	13100	12880	5204	2840	1976	2283
MAX	18200	25370	41930	46610	40110	45110	48110	52200	31090	13640	7469	19410
(WY)	1985	1973	1983	1937	1950	1945	1945	1968	1974	1989	1966	1974
MIN	291	381	740	686	1542	1742	1578	1674	411	260	176	154
(WY)	1933	1933	1940	1940	1936	1954	1930	1932	1936	1930	1930	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	2107659		959884			
ANNUAL MEAN	5774		2623		7664	
HIGHEST ANNUAL MEAN					16120	1973
LOWEST ANNUAL MEAN					2292	1936
HIGHEST DAILY MEAN	32900	Jan 22	20400	May 9	238000	Apr 3 1945
LOWEST DAILY MEAN	643	Oct 24	643	Oct 24	125	Sep 16 1943
ANNUAL SEVEN-DAY MINIMUM	745	Oct 20	745	Oct 20	132	Sep 11 1943
INSTANTANEOUS PEAK FLOW			21100	May 9	243000	Apr 3 1945
INSTANTANEOUS PEAK STAGE			22.73	May 9,10	44.82	Apr 3 1945
INSTANTANEOUS LOW FLOW			580	Oct 24	125	[a]Sep 16 1943
ANNUAL RUNOFF (AC-FT)	4181000		1904000		5552000	
10 PERCENT EXCEEDS	15100		4790		19200	
50 PERCENT EXCEEDS	3090		1720		3410	
90 PERCENT EXCEEDS	950		971		756	

[a]Also Sept. 24-26, 1943

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
17.	1555	80513	81213	519	67	7.6	765	18.5	7.6	81

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT										
17.	1555	K8	K2	21	5.8	1.6	4.9	32	0.5	1.2

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
17.	1555	6.5	4.5	48	<0.010	<0.020	<0.010	0.26	0.26

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
17.	1555	0.26	0.040	<0.020	0.010	0.03	18	25	80

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
05...	1041	80513	80513	290	1.10	2.20	894	984
05...	1043	80513	80513	290	2.80	5.60	923	--
05...	1046	80513	80513	290	2.70	5.40	952	--
05...	1048	80513	80513	290	2.70	5.40	981	--
05...	1050	80513	80513	290	2.30	4.60	1010	--
05...	1052	80513	80513	290	2.50	5.00	1040	--
05...	1056	80513	80513	290	2.30	4.60	1070	--
05...	1058	80513	80513	290	2.20	4.40	1100	--
05...	1100	80513	80513	290	2.00	4.00	1130	--
05...	1102	80513	80513	290	1.20	2.40	1160	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
05...	1041	52	5.9	12.5	9.9	93	767
05...	1043	52	6.1	12.5	9.9	92	767
05...	1046	52	6.2	12.5	10	93	767
05...	1048	52	6.2	12.5	10	93	767
05...	1050	52	6.3	12.5	10	93	767
05...	1052	52	6.3	12.5	9.9	93	767
05...	1056	52	6.3	12.5	9.9	93	767
05...	1058	52	6.3	12.5	9.9	92	767
05...	1100	52	6.3	12.5	9.9	92	767
05...	1102	51	6.3	12.5	9.8	91	767

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC											
06...	0830	80513	81213	854	61	8.2	765	--	--	--	K7
MAR											
06...	0830	80513	81213	1270	78	6.6	755	13.5	9.7	94	K16
APR											
24...	0830	80513	81213	5230	62	6.9	770	18.5	8.4	89	43
JUL											
31...	0905	80513	81213	2440	79	7.6	750	27.0	7.1	91	K710
AUG											
26...	1600	80513	81213	2430	68	7.6	762	28.0	8.3	106	K6

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC											
06...	0830	--	K6	17	4.6	1.3	5.2	38	0.6	1.1	7.5
MAR											
06...	0830	K16	K9	21	5.9	1.5	6.0	37	0.6	1.4	10
APR											
24...	0830	37	68	18	4.9	1.5	5.0	35	0.5	1.3	7.9
JUL											
31...	0905	1100	91	21	5.6	1.6	6.4	39	0.6	1.3	9.5
AUG											
26...	1600	K3	51	20	5.4	1.5	3.6	27	0.4	1.2	7.4

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	0830	3.9	30	0.020	<0.010	0.020	0.020	0.020	0.03	0.21
MAR										
06...	0830	7.3	60	0.180	<0.010	0.180	0.180	0.040	0.05	0.32
APR										
24...	0830	4.9	52	0.170	<0.010	0.170	0.170	0.040	0.05	0.47
JUL										
31...	0905	4.9	54	0.050	<0.010	0.050	0.050	0.031	0.04	0.31
AUG										
26...	1600	2.9	40	0.020	<0.010	0.020	0.020	<0.010	--	0.26

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC										
06...	0830	0.23	0.25	0.050	<0.020	0.010	0.03	29	67	49
MAR										
06...	0830	0.36	0.54	0.030	<0.020	0.010	0.03	25	86	96
APR										
24...	0830	0.51	0.68	0.040	0.040	0.020	0.06	47	664	91
JUL										
31...	0905	0.34	0.39	<0.020	<0.020	0.010	0.03	26	171	95
AUG										
26...	1600	0.26	0.28	<0.020	<0.020	<0.010	--	31	203	66

07362100 SMACKOVER CREEK NEAR SMACKOVER

LOCATION.--Lat 33°22'33", long 92°46'37", in NW1/4SE1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft above sea level (levels by U.S. Army Corps of Engineers.) Prior to Mar. 1, 1989, water-stage recorder at site 100 ft downstream at same datum. Mar. 1, 1989 to Sept. 4, 1991, non-recording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.6	11	129	36	48	566	167	13	31	1620	221
2	3.1	1.6	12	128	40	47	430	107	26	23	1680	135
3	3.0	1.7	13	105	40	40	225	86	49	18	1440	94
4	2.6	1.8	14	84	38	35	150	66	76	15	1350	69
5	2.6	1.7	14	65	38	32	139	50	60	12	1080	56
6	2.3	1.7	15	51	36	33	271	42	58	14	686	46
7	2.1	2.0	15	41	43	54	405	38	51	17	357	39
8	1.8	2.8	20	37	66	69	329	34	55	54	171	33
9	1.7	3.2	31	35	73	75	209	30	73	71	120	29
10	1.6	2.6	22	31	68	72	147	27	68	313	134	25
11	1.5	2.7	26	30	58	56	117	31	52	342	147	22
12	1.5	4.3	19	28	48	45	103	35	59	311	125	20
13	1.5	3.9	14	26	39	40	170	33	116	571	167	18
14	1.4	3.3	11	25	34	36	307	33	306	676	230	16
15	1.3	2.9	13	25	31	34	344	31	316	767	178	15
16	1.2	2.8	30	23	29	34	393	28	211	794	108	20
17	1.0	2.8	42	22	27	32	231	26	110	945	76	22
18	.91	2.6	87	26	25	54	136	23	68	989	59	19
19	.88	2.4	168	36	29	200	105	19	51	735	48	17
20	.87	2.4	149	36	56	272	87	16	268	201	40	19
21	.64	2.6	98	39	67	204	139	15	305	113	36	21
22	.53	2.9	64	37	72	132	576	13	138	84	38	23
23	.52	3.1	42	37	60	91	849	13	78	64	34	24
24	.46	3.8	33	80	48	75	447	12	53	92	30	33
25	.11	4.7	28	109	44	432	199	11	50	177	25	35
26	.20	6.2	25	99	35	631	133	9.8	68	298	23	37
27	.74	7.2	23	69	32	546	97	8.7	59	333	21	223
28	1.4	8.6	21	53	39	353	77	8.0	89	1180	26	575
29	2.1	9.9	21	43	43	254	84	8.6	69	1300	69	660
30	2.0	10	22	37	---	213	169	10	44	1080	211	575
31	1.7	---	63	36	---	339	---	11	---	1080	368	---
TOTAL	46.66	109.8	1166	1622	1294	4578	7634	1042.1	3039	12700	10697	3141
MEAN	1.51	3.66	37.6	52.3	44.6	148	254	33.6	101	410	345	105
MAX	3.4	10	168	129	73	631	849	167	316	1300	1680	660
MIN	.11	1.6	11	22	25	32	77	8.0	13	12	21	15
AC-FT	93	218	2310	3220	2570	9080	15140	2070	6030	25190	21220	6230
CFSM	.00	.01	.10	.14	.12	.38	.66	.09	.26	1.06	.90	.27
IN.	.00	.01	.11	.16	.13	.44	.74	.10	.29	1.23	1.03	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	115	253	562	608	795	803	714	515	430	138	53.8	100
MAX	1784	1143	1998	1980	2365	2467	4078	1701	2864	1949	346	2174
(WY)	1985	1975	1983	1962	1990	1990	1991	1966	1974	1989	1971	1974
MIN	1.51	3.66	33.5	52.3	44.6	112	90.6	33.6	8.91	1.81	1.78	1.58
(WY)	1996	1996	1982	1996	1996	1967	1971	1996	1972	1964	1969	1969

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1962 - 1996	
ANNUAL TOTAL	108232.26		47069.56			
ANNUAL MEAN	297		129		422	
HIGHEST ANNUAL MEAN					1074	1974
LOWEST ANNUAL MEAN					94.4	1963
HIGHEST DAILY MEAN	5000	Jan 20	1680	Aug 2	33100	Jun 9 1974
LOWEST DAILY MEAN	.11	Oct 25	.11	Oct 25	.00	Aug 24 1978
ANNUAL SEVEN-DAY MINIMUM	.46	Oct 21	.46	Oct 21	.05	Aug 22 1978
INSTANTANEOUS PEAK FLOW			1740	Aug 1,2	[a]52700	Jun 8 1974
INSTANTANEOUS PEAK STAGE			12.66	[b]Aug 1,2	24.97	[b]Jun 8 1974
INSTANTANEOUS LOW FLOW			.00	[b]Oct 25	.00	[b]Aug 9 1964
ANNUAL RUNOFF (AC-FT)	214700		93360		305500	
ANNUAL RUNOFF (CFSM)	.77		.33		1.10	
ANNUAL RUNOFF (INCHES)	10.46		4.55		14.88	
10 PERCENT EXCEEDS	870		335		1200	
50 PERCENT EXCEEDS	37		39		93	
90 PERCENT EXCEEDS	2.0		2.6		6.0	

[a]From rating curve extended above 31,000 ft^3/s
[b]No flow part of day, also Aug. 24-27, 1978

07362587 ALUM FORK SALINE RIVER NEAR REFORM

LOCATION.--Lat 34°47'50", long 92°56'00", in NW1/4NE1/4 sec.29, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 100 ft above low-water bridge on forest road, 5.7 mi west of Reform.

DRAINAGE AREA.--27.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	28	.66	21	12	24	41	26	58	.64	2.2	.68
2	.03	8.4	.66	123	10	20	32	20	55	.50	1.7	.60
3	.00	2.4	.66	69	7.7	16	27	17	27	.40	1.3	.50
4	.00	1.4	.66	41	6.0	12	22	14	19	.33	1.1	.41
5	.00	1.2	.66	29	4.8	14	18	9.8	12	.52	.93	.34
6	.00	1.0	.64	24	4.7	55	16	79	7.9	.64	.76	.31
7	.00	1.0	.63	19	4.7	31	13	301	268	.61	.61	.28
8	.00	1.0	.80	16	4.7	24	11	87	67	.50	1.2	.43
9	.00	1.0	1.0	15	4.3	20	8.6	47	40	.39	1.6	.66
10	.00	3.0	1.0	12	3.9	18	6.6	32	27	.35	.77	.68
11	.00	13	1.0	11	3.9	16	5.5	383	18	.34	.65	.56
12	.00	3.5	1.0	8.5	3.9	13	31	129	14	.34	.83	.43
13	.00	2.7	1.0	6.6	3.9	11	330	68	37	.34	.70	.35
14	.00	2.0	1.0	5.9	3.9	8.6	195	48	36	.39	.59	.29
15	.00	1.7	1.0	5.1	3.9	7.0	103	34	19	.47	.47	.29
16	.00	1.4	.93	4.6	3.9	5.6	62	25	13	.47	.41	.67
17	.00	1.2	84	4.3	3.9	4.6	43	19	8.3	.43	.35	.74
18	.00	1.1	76	19	3.9	60	32	15	5.8	.34	11	.63
19	.00	1.0	70	27	5.0	115	26	10	4.0	.27	2.7	.81
20	.00	1.0	32	24	e15	58	67	6.5	3.0	.21	1.1	.95
21	.00	.92	21	20	e12	39	47	5.6	2.3	.20	.77	2.7
22	.00	.92	16	18	e10	29	137	17	1.8	.17	.67	2.3
23	.00	.99	10	131	7.6	23	174	15	1.5	.16	.54	1.5
24	.00	.98	6.7	123	5.6	40	84	7.7	1.2	.32	.43	13
25	.00	.90	5.2	60	4.4	139	57	4.8	3.0	1.2	.54	8.8
26	.00	.84	4.5	43	4.0	66	39	3.4	3.2	.44	.46	62
27	.06	.83	3.6	28	18	47	27	7.6	1.8	33	2.5	110
28	.03	.80	2.8	23	50	76	23	8.9	1.2	13	2.9	64
29	.03	.69	2.5	21	30	68	57	5.2	.96	5.1	1.6	29
30	.03	.66	2.9	18	---	55	34	3.5	.79	3.9	1.1	18
31	.03	---	3.6	14	---	56	---	2.7	---	3.0	.79	---
TOTAL	0.21	85.53	354.10	984.0	255.6	1170.8	1768.7	1451.7	756.75	68.97	43.27	321.91
MEAN	.007	2.85	11.4	31.7	8.81	37.8	59.0	46.8	25.2	2.22	1.40	10.7
MAX	.06	28	84	131	50	139	330	383	268	33	11	110
MIN	.00	.66	.63	4.3	3.9	4.6	5.5	2.7	.79	.16	.35	.28
AC-FT	.4	170	702	1950	507	2320	3510	2880	1500	137	86	639
CFSM	.00	.11	.42	1.18	.33	1.40	2.18	1.73	.93	.08	.05	.40
IN.	.00	.12	.49	1.36	.35	1.61	2.44	2.00	1.04	.10	.06	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	19.9	52.7	130	73.4	59.8	90.7	102	68.5	19.1	6.22	3.26	3.39
MAX	60.5	146	336	135	145	265	296	157	61.5	24.0	18.3	10.7
(WY)	1991	1992	1991	1991	1990	1990	1991	1990	1992	1994	1994	1996
MIN	.007	2.22	1.37	31.7	8.81	37.8	8.10	1.18	2.39	.042	.000	.000
(WY)	1996	1990	1990	1996	1996	1996	1992	1992	1991	1991	1991	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	11760.59		7261.54			
ANNUAL MEAN	32.2		19.8		52.4	
HIGHEST ANNUAL MEAN					84.8	1991
LOWEST ANNUAL MEAN					19.8	1996
HIGHEST DAILY MEAN	1290	Jan 13	383	May 11	5800	Dec 21 1990
LOWEST DAILY MEAN	.00	Jul 20	.00	Oct 1	.00	Aug 21 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 26	.00	Oct 3	.00	Aug 21 1990
INSTANTANEOUS PEAK FLOW			684	Jun 7	[a]13500	Dec 21 1990
INSTANTANEOUS PEAK STAGE			6.89	Jun 7	[b]15.30	Dec 21 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	23330		14400		38000	
ANNUAL RUNOFF (CFSM)	1.19		.73		1.94	
ANNUAL RUNOFF (INCHES)	16.20		10.00		26.39	
10 PERCENT EXCEEDS	70		57		100	
50 PERCENT EXCEEDS	4.1		3.9		9.0	
90 PERCENT EXCEEDS	.00		.28		.04	

[a]From rating curve extended above 262 ft^3/s on basis of step-backwater computations
[b]From floodmark
[e]Estimated

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	0900	80513	81213	19	6.1	745	9.5	10	1.6	9.7	87
JAN 23...	1700	80513	81213	20	5.9	739	7.5	30	14	11.1	95
FEB 05...	0910	80513	81213	17	5.8	758	0.5	10	2.7	13.4	94
APR 04...	0905	80513	81213	19	6.6	744	12.5	10	2.2	10	96
MAY 08...	0900	80513	81213	16	5.9	747	17.0	20	7.2	9.0	95
JUL 08...	0915	80513	81213	24	6.1	740	26.0	10	1.5	6.3	79
SEP 09...	0915	80513	81213	25	6.1	745	21.0	20	14	6.3	72
26...	1915	80513	81213	16	5.7	738	20.0	100	23	8.5	97

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
DEC 05...	0900	K9	K17	7	1.0	1.0	1.2	27	0.2	0.40	6
JAN 23...	1700	42	260	6	1.0	0.90	1.0	25	0.2	0.30	18
FEB 05...	0910	<1	K1	6	0.90	0.90	1.0	26	0.2	0.30	5
APR 04...	0905	<1	K2	6	0.90	0.80	1.0	27	0.2	0.30	5
MAY 08...	0900	K41	54	5	0.80	0.80	1.0	28	0.2	0.30	5
JUL 08...	0915	K9	130	8	1.6	1.0	1.5	28	0.2	0.30	14
SEP 09...	0915	47	470	12	1.7	2.0	<0.10	--	--	0.40	11
26...	1915	--	--	--	--	--	--	--	--	--	5

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC 05...	0900	2.8	1.3	<0.10	4.0	<1	15	0.02	--	--	--
JAN 23...	1700	2.4	1.5	<0.10	4.6	18	23	0.02	0.089	0.089	0.39
FEB 05...	0910	2.6	1.4	<0.10	4.6	<1	15	0.02	0.134	0.134	0.59
APR 04...	0905	2.3	1.2	<0.10	5.0	24	15	0.03	0.033	0.033	0.15
MAY 08...	0900	2.1	1.0	<0.10	5.7	12	15	0.02	0.021	0.021	0.09
JUL 08...	0915	0.90	1.1	<0.10	4.2	28	19	0.04	0.019	0.019	0.08
SEP 09...	0915	1.3	1.2	<0.10	4.5	24	--	--	0.009	0.009	0.04
26...	1915	--	--	--	--	34	--	--	--	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
DEC 05...	0900	0.001	0.00	--	<0.002	<0.002	--	--	<0.20	--	0.002
JAN 23...	1700	0.001	0.00	0.090	0.090	0.003	0.00	--	<0.20	--	0.011
FEB 05...	0910	0.001	0.00	0.135	0.135	0.002	0.00	--	<0.20	--	<0.002
APR 04...	0905	0.001	0.00	0.034	0.034	0.002	0.00	--	<0.20	--	0.004
MAY 08...	0900	0.001	0.00	0.022	0.022	0.005	0.01	0.32	0.32	0.34	0.007
JUL 08...	0915	0.001	0.00	0.020	0.020	0.010	0.01	--	<0.20	--	0.008
SEP 09...	0915	0.001	0.00	0.010	0.010	0.008	0.01	--	<0.20	--	0.010
26...	1915	0.002	0.01	--	<0.002	0.008	0.01	0.56	0.57	0.57	0.030

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC										
05...	0900	<0.001	1.5	1.1	42	60	3	2.4	<0.10	--
JAN										
23...	1700	<0.001	5.1	5.0	98	400	14	3.8	<0.10	9
FEB										
05...	0910	<0.001	<0.10	<0.10	49	110	2	1.4	<0.10	3
APR										
04...	0905	<0.001	0.70	0.60	100	70	3	1.6	<0.10	7
MAY										
08...	0900	<0.001	4.7	3.4	60	130	5	2.9	<0.10	10
JUL										
08...	0915	<0.001	4.4	4.2	240	330	21	19	<0.10	--
SEP										
09...	0915	<0.001	5.2	4.9	200	540	30	21	<0.10	15
26...	1915	<0.001	16	15	--	620	38	--	--	25

07362588 LAKE WINONA DOWNSTREAM FROM STILLHOUSE CREEK NEAR REFORM

LOCATION.--Lat 34°48'28", long 92°54'06", in NE1/4 sec.22, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 0.5 mi downstream from Stillhouse Creek, and 3.4 mi upstream from dam.

PERIOD OF RECORD.--May 1989 to August 1990. December 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	1155	80513	80513	0.0	13.0	20	6.7	10.5	10.2	93	751
06...	1156	80513	80513	5.00	13.0	20	6.6	10.5	10.2	93	751
06...	1157	80513	80513	10.0	13.0	20	6.6	10.5	10.1	92	751
06...	1158	80513	80513	13.0	13.0	20	6.7	10.5	10.0	92	751
06...	1200	80513	81213	--	13.0	20	6.7	--	--	--	751
FEB											
07...	1143	80513	80513	0.0	15.0	19	6.6	3.5	12.0	91	748
07...	1144	80513	80513	5.00	15.0	19	6.5	4.0	10.6	82	748
07...	1145	80513	80513	10.0	15.0	19	6.5	4.0	10.1	78	748
07...	1146	80513	80513	14.8	15.0	19	6.5	4.0	9.7	75	748
07...	1150	80513	81213	--	15.0	19	6.5	--	--	--	748
APR											
09...	1135	80513	80513	0.0	15.0	18	7.1	12.0	10.5	99	752
09...	1136	80513	80513	5.00	15.0	18	7.0	12.0	10.4	98	752
09...	1137	80513	80513	10.0	15.0	18	7.0	12.0	10.4	97	752
09...	1138	80513	80513	15.0	15.0	18	6.9	11.5	10.4	97	752
09...	1145	80513	81213	--	15.0	18	7.0	--	--	--	752
MAY											
07...	1214	80513	80513	0.0	19.0	19	6.6	21.5	8.9	103	749
07...	1215	80513	80513	5.00	19.0	19	6.5	21.0	8.7	100	749
07...	1216	80513	80513	10.0	19.0	18	6.2	19.5	8.5	93	749
07...	1217	80513	80513	11.0	19.0	18	6.0	18.5	8.3	90	749
07...	1219	80513	80513	14.0	19.0	17	5.9	17.5	8.3	89	749
07...	1220	80513	80513	15.0	19.0	17	5.9	17.5	8.3	89	749
07...	1221	80513	80513	19.0	19.0	19	6.0	17.0	8.1	85	749
07...	1240	80513	81213	--	19.0	18	6.5	--	--	--	749
07...	1250	80513	81213	--	19.0	17	5.9	--	--	--	749
JUL											
10...	1102	80513	80513	0.0	23.0	20	6.4	28.0	6.9	89	749
10...	1103	80513	80513	5.00	23.0	20	6.4	28.0	6.8	89	749
10...	1104	80513	80513	10.0	23.0	20	6.3	28.0	6.8	89	749
10...	1105	80513	80513	15.0	23.0	20	6.1	27.5	5.9	76	749
10...	1106	80513	80513	17.0	23.0	21	5.9	27.0	4.0	51	749
10...	1107	80513	80513	18.0	23.0	23	5.6	24.5	1.2	15	749
10...	1108	80513	80513	19.0	23.0	23	5.6	22.0	0.9	10	749
10...	1109	80513	80513	20.0	23.0	24	5.6	21.0	0.6	6	749
10...	1110	80513	80513	21.0	23.0	24	5.6	19.5	0.4	5	749
10...	1111	80513	80513	23.0	23.0	25	5.6	18.0	0.1	1	749
10...	1120	80513	81213	--	23.0	21	5.9	--	--	--	749
SEP											
11...	1102	80513	80513	0.0	13.0	19	6.5	26.5	7.5	96	749
11...	1103	80513	80513	5.00	13.0	19	6.4	26.0	7.5	95	749
11...	1104	80513	80513	10.0	13.0	19	6.5	26.0	7.4	93	749
11...	1105	80513	80513	13.0	13.0	20	6.0	25.5	5.6	70	749
11...	1110	80513	81213	--	13.0	--	--	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
06...	1155	--	--	--	--	1.30	--	--	--	--	--
06...	1200	0.0	13	15	3.6	--	<1	K2	7	<1	0.036
FEB											
07...	1143	--	--	--	--	1.90	--	--	--	--	--
07...	1150	0.0	15	10	5.4	--	<1	<1	6	22	0.082
APR											
09...	1135	--	--	--	--	1.50	--	--	--	--	--
09...	1145	0.0	15	5	2.5	--	<1	<1	6	10	0.026
MAY											
07...	1214	--	--	--	--	2.10	--	--	--	--	--
07...	1240	0.0	9.0	5	1.9	--	23	32	6	14	0.013
07...	1250	12	15	20	5.5	--	K280	410	7	20	0.021
JUL											
10...	1102	--	--	--	--	1.80	--	--	--	--	--
10...	1120	0.0	15	5	2.8	--	<1	<1	7	20	0.001
SEP											
11...	1102	--	--	--	--	2.00	--	--	--	--	--
11...	1110	0.0	12	<5	1.6	--	K3	<1	14	18	--

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	1200	0.036	0.16	0.001	0.00	0.037	0.037	0.004	0.01	0.24
FEB										
07...	1150	0.082	0.36	0.002	0.01	0.084	0.084	0.006	0.01	--
APR										
09...	1145	0.026	0.12	0.001	0.00	0.027	0.027	0.002	0.00	--
MAY										
07...	1240	0.013	0.06	0.001	0.00	0.014	0.014	0.003	0.00	0.20
07...	1250	0.021	0.09	0.002	0.01	0.023	0.023	0.006	0.01	--
JUL										
10...	1120	0.001	0.00	0.001	0.00	0.002	0.002	0.005	0.01	--
SEP										
11...	1110	--	--	<0.001	--	--	<0.002	0.004	0.01	--

07362588 LAKE WINONA DOWNSTREAM FROM STILLHOUSE CREEK NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
06...	1200	0.24	0.28	0.010	<0.001	2.6	390	210	2.5	3.00
FEB										
07...	1150	<0.20	--	0.007	<0.001	<0.10	190	72	<0.10	1.00
APR										
09...	1145	<0.20	--	0.006	<0.001	1.7	120	44	1.5	2.00
MAY										
07...	1240	0.20	0.21	0.004	<0.001	4.0	80	15	3.7	0.990
07...	1250	<0.20	--	0.008	<0.001	4.6	150	23	4.3	--
JUL										
10...	1120	<0.20	--	0.009	<0.001	4.6	230	43	4.5	2.25
SEP										
11...	1110	<0.20	--	0.010	<0.001	5.0	130	25	4.9	2.60

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM

LOCATION.--Lat 34°48'16", long 92°51'16", in SE1/4 sec.24, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 0.1 mi downstream from Gillis Branch, and 1.3 mi upstream from dam.

PERIOD OF RECORD.--May 1989 to August 1990. December 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	1117	80513	80513	0.0	28.0	20	7.3	10.5	9.9	91	751
06...	1118	80513	80513	5.00	28.0	20	7.0	10.5	9.7	89	751
06...	1119	80513	80513	10.0	28.0	20	6.9	10.5	9.6	88	751
06...	1120	80513	80513	15.0	28.0	20	6.8	10.5	9.6	87	751
06...	1121	80513	80513	20.0	28.0	20	6.7	10.5	9.6	87	751
06...	1122	80513	80513	25.0	28.0	20	6.6	10.5	9.5	87	751
06...	1123	80513	80513	28.0	28.0	20	6.7	10.5	9.5	87	751
06...	1130	80513	81213	--	28.0	--	--	--	--	--	751
FEB											
07...	1102	80513	80513	0.0	27.0	20	6.6	4.0	10.9	85	748
07...	1103	80513	80513	5.00	27.0	20	6.5	4.0	10.7	83	748
07...	1104	80513	80513	10.0	27.0	20	6.6	4.0	10.4	80	748
07...	1105	80513	80513	15.0	27.0	20	6.6	4.0	10.0	78	748
07...	1106	80513	80513	20.0	27.0	20	6.6	4.0	10	77	748
07...	1107	80513	80513	25.0	27.0	20	6.6	4.0	10	77	748
07...	1108	80513	80513	27.0	27.0	20	6.6	4.0	9.6	75	748
07...	1115	80513	81213	--	27.0	20	6.7	--	--	--	748
APR											
09...	1048	80513	80513	0.0	27.0	19	7.3	12.0	10.3	96	752
09...	1050	80513	80513	5.00	27.0	19	7.1	11.5	10.4	97	752
09...	1052	80513	80513	10.0	27.0	19	7.0	11.5	11.6	108	752
09...	1054	80513	80513	15.0	27.0	19	6.9	11.5	11.3	104	752
09...	1055	80513	80513	20.0	27.0	19	6.8	11.0	11.4	105	752
09...	1056	80513	80513	25.0	27.0	19	6.8	11.0	11.6	106	752
09...	1057	80513	80513	27.0	27.0	19	6.6	10.5	11.4	104	752
09...	1110	80513	81213	--	27.0	19	7.0	--	--	--	752

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
06...	1117	--	--	--	--	1.80	--	--	--	--	--
06...	1130	0.0	20	15	2.2	--	<1	<1	6	<1	0.040
FEB											
07...	1102	--	--	--	--	2.80	--	--	--	--	--
07...	1115	0.0	27	10	2.5	--	K1	<1	6	22	0.065
APR											
09...	1048	--	--	--	--	1.50	--	--	--	--	--
09...	1110	0.0	27	5	1.8	--	<1	<1	7	18	0.036

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	1130	0.040	0.18	0.001	0.00	0.041	0.041	0.004	0.01	0.20
FEB										
07...	1115	0.065	0.29	0.002	0.01	0.067	0.067	0.016	0.02	--
APR										
09...	1110	0.036	0.16	0.001	0.00	0.037	0.037	0.004	0.01	0.24

DATE	TIME	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
06...	1130	0.20	0.24	0.005	<0.001	2.6	350	240	2.4	3.00
FEB										
07...	1115	<0.20	--	0.005	<0.001	<0.10	140	120	<0.10	2.00
APR										
09...	1110	0.24	0.28	0.010	<0.001	1.7	120	58	1.7	2.00

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	DISSOLVED (PERCENT SATURATION) (00301)	METRIC PRESSURE (MM OF HG) (00025)
MAY											
07...	1120	80513	80513	0.0	34.0	19	6.9	21.0	8.9	102	749
07...	1121	80513	80513	5.00	34.0	19	6.8	21.0	9.0	103	749
07...	1122	80513	80513	10.0	34.0	19	6.9	19.5	9.5	105	749
07...	1123	80513	80513	12.0	34.0	19	7.0	18.5	9.7	105	749
07...	1125	80513	80513	14.0	34.0	19	7.0	17.5	9.7	103	749
07...	1126	80513	80513	15.0	34.0	19	7.0	17.0	9.6	102	749
07...	1127	80513	80513	20.0	34.0	19	6.7	16.5	9.0	93	749
07...	1129	80513	80513	25.0	34.0	19	6.4	15.5	8.5	86	749
07...	1130	80513	80513	27.0	34.0	19	6.2	14.5	8.5	84	749
07...	1131	80513	80513	30.0	34.0	19	6.1	14.0	8.2	81	749
07...	1132	80513	80513	34.0	34.0	19	6.2	13.5	8.1	79	749
07...	1140	80513	81213	--	34.0	19	7.0	--	--	--	749
07...	1150	80513	81213	--	34.0	19	6.2	--	--	--	749
JUL											
10...	1013	80513	80513	0.0	33.0	20	6.8	28.0	7.1	92	749
10...	1014	80513	80513	5.00	33.0	20	6.8	28.0	7.1	92	749
10...	1015	80513	80513	10.0	33.0	20	6.7	28.0	7.1	93	749
10...	1016	80513	80513	15.0	33.0	20	6.7	28.0	6.9	89	749
10...	1017	80513	80513	16.0	33.0	20	6.3	27.5	5.9	76	749
10...	1018	80513	80513	17.0	33.0	21	5.9	23.0	3.6	43	749
10...	1019	80513	80513	17.0	33.0	21	5.7	22.0	2.4	28	749
10...	1020	80513	80513	19.0	33.0	21	5.7	20.0	2.3	25	749
10...	1021	80513	80513	20.0	33.0	20	5.7	19.5	2.9	32	749
10...	1022	80513	80513	21.0	33.0	20	5.8	18.0	3.8	41	749
10...	1023	80513	80513	22.0	33.0	20	5.7	17.0	3.7	39	749
10...	1024	80513	80513	24.0	33.0	19	5.8	16.0	4.4	45	749
10...	1025	80513	80513	25.0	33.0	20	5.9	15.5	3.8	38	749
10...	1026	80513	80513	28.0	33.0	20	5.9	14.5	4.4	45	749
10...	1027	80513	80513	30.0	33.0	21	5.8	14.5	3.9	39	749
10...	1029	80513	80513	33.0	33.0	22	5.8	13.5	3.4	33	749
10...	1035	80513	81213	--	33.0	20	6.7	--	--	--	749
10...	1040	80513	81213	--	33.0	19	5.8	--	--	--	749
SEP											
11...	1014	80513	80513	0.0	32.0	19	6.8	26.5	7.8	98	751
11...	1015	80513	80513	5.00	32.0	19	6.9	26.5	7.8	98	751
11...	1016	80513	80513	10.0	32.0	19	6.9	26.5	7.7	97	751
11...	1017	80513	80513	15.0	32.0	19	6.8	26.0	7.5	95	751
11...	1018	80513	80513	16.0	32.0	19	6.3	25.5	6.1	76	751
11...	1019	80513	80513	17.0	32.0	20	5.9	24.0	2.6	32	751
11...	1020	80513	80513	18.0	32.0	21	5.7	22.5	1.3	16	751
11...	1021	80513	80513	19.0	32.0	21	5.7	21.5	1.0	12	751
11...	1022	80513	80513	20.0	32.0	21	5.7	20.0	1.1	12	751
11...	1023	80513	80513	20.0	32.0	21	5.6	19.0	1.6	18	751
11...	1024	80513	80513	22.0	32.0	20	5.7	18.0	1.5	16	751
11...	1025	80513	80513	23.0	32.0	19	5.8	17.0	2.6	27	751
11...	1026	80513	80513	25.0	32.0	19	5.8	16.0	2.7	28	751
11...	1027	80513	80513	30.0	32.0	21	5.9	14.5	1.3	13	751
11...	1028	80513	80513	32.0	32.0	22	5.9	13.5	1.1	11	751
11...	1040	80513	81213	--	32.0	--	--	--	--	--	--
11...	1050	80513	81213	--	32.0	--	--	--	--	--	--

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
MAY											
07...	1120	--	--	--	--	3.00	--	--	--	--	--
07...	1140	0.0	9.0	5	1.2	--	K3	K4	6	18	0.015
07...	1150	12	33	10	1.6	--	K4	K1	7	14	0.022
JUL											
10...	1013	--	--	--	--	2.60	--	--	--	--	--
10...	1035	0.0	15	20	1.2	--	K1	K2	7	20	--
10...	1040	24	30	10	<1.0	--	K1	<1	7	24	0.017
SEP											
11...	1014	--	--	--	--	3.40	--	--	--	--	--
11...	1040	0.0	15	<5	1.1	--	K11	K15	6	22	0.00
11...	1050	15	30	<5	1.6	--	K4	K8	6	20	0.009

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
MAY										
07...	1140	0.015	0.07	0.001	0.00	0.016	0.016	0.003	0.00	--
07...	1150	0.022	0.10	0.001	0.00	0.023	0.023	<0.002	--	0.21
JUL										
10...	1035	--	--	0.001	0.00	--	<0.002	0.002	0.00	--
10...	1040	0.017	0.08	0.001	0.00	0.018	0.018	0.023	0.03	--
SEP										
11...	1040	0.00	0.0	0.002	0.01	0.002	0.002	0.006	0.01	--
11...	1050	0.009	0.04	0.001	0.00	0.010	0.010	0.006	0.01	--

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	NESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY										
07...	1140	<0.20	--	0.004	<0.001	4.0	50	10	3.4	1.67
07...	1150	0.21	0.23	0.004	<0.001	4.1	60	22	3.9	--
JUL										
10...	1035	<0.20	--	0.006	<0.001	4.5	110	29	3.9	1.68
10...	1040	<0.20	--	0.007	<0.001	4.5	170	130	4.1	--
SEP										
11...	1040	<0.20	--	0.003	<0.001	4.8	60	18	4.7	1.20
11...	1050	<0.20	--	0.004	<0.001	4.9	230	160	4.7	--

07362590 LAKE WINONA AT REFORM

LOCATION.--Lat 34°47'51", long 92°50'43", in SE1/4SE1/4 sec.19, T.2 N., R.17 W., Saline County, Hydrologic Unit 08040203, at dam on Lake Winona at Reform.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	0933	80513	80513	0.0	70.0	20	6.2	10.5	9.1	83	751
06...	0934	80513	80513	5.00	70.0	20	6.3	10.5	8.9	81	751
06...	0936	80513	80513	10.0	70.0	20	6.3	10.5	8.9	81	751
06...	0937	80513	80513	15.0	70.0	20	6.2	10.5	8.8	81	751
06...	0938	80513	80513	20.0	70.0	20	6.2	10.5	8.8	80	751
06...	0939	80513	80513	25.0	70.0	20	6.2	10.5	8.8	80	751
06...	0940	80513	80513	30.0	70.0	20	6.2	10.5	8.6	79	751
06...	0941	80513	80513	35.0	70.0	20	6.2	10.5	8.7	79	751
06...	0942	80513	80513	40.0	70.0	20	6.3	10.5	8.6	78	751
06...	0943	80513	80513	45.0	70.0	20	6.1	10.5	8.1	74	751
06...	0944	80513	80513	50.0	70.0	21	6.0	10.0	7.1	64	751
06...	0945	80513	80513	55.0	70.0	21	6.1	10.0	6.7	60	751
06...	0946	80513	80513	60.0	70.0	21	6.0	10.0	6.6	59	751
06...	0947	80513	80513	65.0	70.0	22	5.9	10.0	5.9	53	751
06...	0948	80513	80513	70.0	70.0	25	5.8	9.5	1.1	9	751
06...	1000	80513	81213	--	70.0	20	6.2	--	--	--	751
FEB											
07...	0945	80513	80513	0.0	69.0	20	6.6	4.5	11.7	91	748
07...	0946	80513	80513	5.00	69.0	20	6.7	4.0	11.1	87	748
07...	0947	80513	80513	10.0	69.0	20	6.7	4.0	11.2	87	748
07...	0948	80513	80513	15.0	69.0	20	6.7	4.0	11.3	88	748
07...	0949	80513	80513	20.0	69.0	20	6.8	4.0	10.8	84	748
07...	0950	80513	80513	25.0	69.0	20	6.7	4.0	10.5	82	748
07...	0951	80513	80513	30.0	69.0	20	6.7	4.0	10.6	82	748
07...	0952	80513	80513	35.0	69.0	20	6.7	4.0	10.5	81	748
07...	0953	80513	80513	40.0	69.0	20	6.8	4.0	10.2	80	748
07...	0954	80513	80513	45.0	69.0	20	6.6	4.0	10.4	81	748
07...	0955	80513	80513	50.0	69.0	20	6.6	4.0	9.9	77	748
07...	0956	80513	80513	35.0	69.0	20	6.6	4.0	9.9	77	748
07...	0957	80513	80513	60.0	69.0	20	6.7	4.0	10.1	79	748
07...	0958	80513	80513	65.0	69.0	20	6.7	4.0	9.9	77	748
07...	0959	80513	80513	69.0	69.0	20	6.7	4.0	9.9	77	748
07...	1010	80513	81213	--	69.0	20	6.7	--	--	--	748

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
DEC										
06...	0933	--	--	--	--	2.40	--	--	--	--
06...	1000	0.0	70	20	1.6	--	K1	<1	8	1.5
FEB										
07...	0945	--	--	--	--	2.30	--	--	--	--
07...	1010	0.0	69	10	2.0	--	<1	<1	7	1.4

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
DEC										
06...	1000	1.0	1.0	21	0.2	0.40	7	2.2	1.0	<0.10
FEB										
07...	1010	0.90	1.0	22	0.2	0.40	6	2.3	1.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
DEC									
06...	1000	3.2	<1	15	0.02	0.042	0.042	0.19	0.001
FEB									
07...	1010	3.5	28	15	0.04	0.062	0.062	0.27	0.001

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
DEC									
06...	1000	0.00	0.043	0.043	0.012	0.02	<0.20	0.004	<0.001
FEB									
07...	1010	0.00	0.063	0.063	0.016	0.02	<0.20	0.004	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC									
06...	1000	2.4	190	380	290	240	<0.10	1.8	1.00
FEB									
07...	1010	0.40	64	140	130	120	<0.10	0.30	2.00

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR											
09...	0856	80513	80513	0.0	72.0	19	6.5	11.5	11.1	103	752
09...	0857	80513	80513	5.00	72.0	19	6.7	11.5	11.1	103	752
09...	0859	80513	80513	10.0	72.0	19	6.6	11.5	10.9	101	752
09...	0900	80513	80513	15.0	72.0	19	6.6	11.0	10.9	100	752
09...	0901	80513	80513	20.0	72.0	19	6.5	10.5	10.9	99	752
09...	0902	80513	80513	25.0	72.0	19	6.5	10.5	10.8	97	752
09...	0903	80513	80513	30.0	72.0	19	6.4	10.0	10.7	96	752
09...	0904	80513	80513	35.0	72.0	19	6.4	10.0	10.6	95	752
09...	0905	80513	80513	40.0	72.0	19	6.4	9.5	10.6	95	752
09...	0906	80513	80513	45.0	72.0	19	6.4	9.5	10.7	95	752
09...	0907	80513	80513	50.0	72.0	19	6.4	9.5	10.6	95	752
09...	0908	80513	80513	55.0	72.0	19	6.3	9.5	10.6	94	752
09...	0909	80513	80513	60.0	72.0	19	6.3	9.5	10.4	93	752
09...	0910	80513	80513	65.0	72.0	19	6.3	9.5	10.3	91	752
09...	0911	80513	80513	70.0	72.0	19	6.1	9.5	9.9	87	752
09...	0912	80513	80513	71.0	72.0	19	6.2	9.5	9.7	86	752
09...	0940	80513	81213	--	72.0	19	6.5	--	--	--	752
MAY											
07...	0929	80513	80513	0.0	73.0	19	6.4	21.0	8.8	100	749
07...	0930	80513	80513	5.00	73.0	19	6.5	21.0	9.0	102	749
07...	0931	80513	80513	10.0	73.0	19	6.6	20.5	9.0	102	749
07...	0932	80513	80513	11.0	73.0	19	6.6	18.5	9.5	103	749
07...	0933	80513	80513	13.0	73.0	19	6.7	18.0	9.5	102	749
07...	0934	80513	80513	15.0	73.0	19	6.8	17.0	9.5	100	749
07...	0937	80513	80513	17.0	73.0	19	6.7	16.5	9.3	97	749
07...	0938	80513	80513	20.0	73.0	19	6.6	16.0	9.1	94	749
07...	0940	80513	80513	25.0	73.0	19	6.4	15.5	8.8	89	749
07...	0941	80513	80513	28.0	73.0	19	6.4	14.5	8.6	87	749
07...	0942	80513	80513	30.0	73.0	19	6.4	14.0	8.6	86	749
07...	0943	80513	80513	32.0	73.0	19	6.3	13.5	8.7	84	749
07...	0944	80513	80513	35.0	73.0	19	6.3	13.0	8.7	84	749
07...	0946	80513	80513	39.0	73.0	18	6.4	12.0	8.7	83	749
07...	0947	80513	80513	40.0	73.0	19	6.3	12.0	8.8	83	749
07...	0948	80513	80513	45.0	73.0	19	6.3	11.5	8.8	82	749
07...	0949	80513	80513	50.0	73.0	19	6.4	11.0	8.9	82	749
07...	0950	80513	80513	55.0	73.0	19	6.3	10.5	8.6	78	749
07...	0951	80513	80513	60.0	73.0	19	6.3	10.5	8.5	78	749
07...	0952	80513	80513	65.0	73.0	19	6.3	10.0	8.5	77	749
07...	0953	80513	80513	70.0	73.0	19	6.3	10.0	8.4	75	749
07...	0954	80513	80513	73.0	73.0	19	6.3	10.0	8.2	74	749
07...	1000	80513	81213	--	73.0	19	6.6	--	--	--	749
07...	1010	80513	81213	--	73.0	19	6.4	--	--	--	749
07...	1020	80513	81213	--	73.0	19	6.2	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
APR										
09...	0856	--	--	--	--	2.10	--	--	--	--
09...	0940	0.0	72	5	1.3	--	<1	<1	7	1.3
MAY										
07...	0929	--	--	--	--	3.80	--	--	--	--
07...	1000	0.0	9.0	5	1.2	--	<1	K2	7	1.3
07...	1010	15	39	10	1.3	--	<1	K2	7	1.3
07...	1020	42	72	5	1.1	--	<1	<1	7	1.3

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
APR										
09...	0940	0.90	1.2	26	0.2	0.40	6	2.6	1.1	<0.10
MAY										
07...	1000	0.90	1.0	23	0.2	0.30	6	2.5	1.0	<0.10
07...	1010	0.90	1.0	23	0.2	0.40	6	2.5	1.0	<0.10
07...	1020	0.90	1.0	23	0.2	0.30	5	2.5	1.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
APR										
09...	0940	2.6	20	14	0.03	0.051	0.051	0.23	0.001	0.00
MAY										
07...	1000	2.4	12	13	0.02	0.016	0.016	0.07	0.001	0.00
07...	1010	2.5	14	13	0.02	0.025	0.025	0.11	0.001	0.00
07...	1020	2.6	14	13	0.02	0.047	0.047	0.21	0.001	0.00

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
APR									
09...	0940	0.052	0.052	0.005	0.01	<0.20	0.006	--	<0.001
MAY									
07...	1000	0.017	0.017	0.003	0.00	<0.20	0.005	--	<0.001
07...	1010	0.026	0.026	0.003	0.00	<0.20	0.004	0.01	0.002
07...	1020	0.048	0.048	0.020	0.03	<0.20	0.004	--	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
APR									
09...	0940	8.0	60	100	62	47	<0.10	7.4	1.80
MAY									
07...	1000	3.7	20	50	9	<1.0	<0.10	2.9	1.40
07...	1010	3.5	20	60	18	<1.0	<0.10	2.6	--
07...	1020	4.1	20	60	37	10	<0.10	3.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL											
10...	0839	80513	80513	0.0	75.0	20	6.5	28.5	7.2	94	749
10...	0840	80513	80513	5.00	75.0	20	6.5	28.5	7.1	93	749
10...	0841	80513	80513	10.0	75.0	20	6.6	28.5	7.2	94	749
10...	0842	80513	80513	13.0	75.0	20	6.5	28.5	7.1	93	749
10...	0843	80513	80513	14.0	75.0	20	6.0	27.0	6.6	84	749
10...	0844	80513	80513	15.0	75.0	20	5.8	25.5	6.0	74	749
10...	0845	80513	80513	16.0	75.0	20	5.8	24.5	5.5	67	749
10...	0846	80513	80513	17.0	75.0	20	5.7	23.0	5.1	60	749
10...	0847	80513	80513	18.0	75.0	20	5.6	21.5	4.8	56	749
10...	0848	80513	80513	19.0	75.0	20	5.7	20.0	5.3	59	749
10...	0849	80513	80513	20.1	75.0	19	5.8	19.5	5.3	59	749
10...	0850	80513	80513	21.1	75.0	19	5.8	18.5	5.1	55	749
10...	0851	80513	80513	22.1	75.0	19	5.9	17.5	5.0	53	749
10...	0852	80513	80513	24.0	75.0	19	5.9	16.5	4.8	50	749
10...	0853	80513	80513	25.0	75.0	19	5.9	16.0	5.0	51	749
10...	0854	80513	80513	28.0	75.0	18	6.0	15.0	5.2	53	749
10...	0855	80513	80513	30.0	75.0	18	6.0	14.0	5.6	55	749
10...	0856	80513	80513	35.0	75.0	18	6.0	13.5	5.8	56	749
10...	0857	80513	80513	40.0	75.0	18	6.0	12.5	6.0	57	749
10...	0858	80513	80513	45.0	75.0	18	6.1	12.0	6.3	59	749
10...	0859	80513	80513	50.0	75.0	18	6.1	11.5	7.0	65	749
10...	0900	80513	80513	55.0	75.0	19	6.1	11.0	5.9	54	749
10...	0901	80513	80513	60.0	75.0	19	6.0	10.5	5.4	49	749
10...	0902	80513	80513	65.0	75.0	21	6.0	10.5	4.3	39	749
10...	0903	80513	80513	70.0	75.0	21	6.0	10.0	4.0	36	749
10...	0904	80513	80513	75.0	75.0	25	6.0	10.0	2.8	25	749
10...	0910	80513	81213	--	75.0	20	6.5	--	--	--	749
10...	0920	80513	81213	--	75.0	19	5.8	--	--	--	749
10...	0930	80513	81213	--	75.0	18	6.1	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUL											
10...	0839	--	--	--	--	3.40	--	--	--	--	--
10...	0910	0.0	12	10	<1.0	--	<1	<1	7	1.4	0.90
10...	0920	15	30	5	1.3	--	<1	<1	7	1.4	0.90
10...	0930	33	75	10	<1.0	--	<1	<1	7	1.4	0.90

DATE	TIME	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
JUL											
10...	0910	0.90	20	0.1	0.40	6	2.4	1.2	<0.10	2.6	22
10...	0920	1.5	30	0.2	0.40	7	2.4	1.1	<0.10	2.5	32
10...	0930	0.80	18	0.1	0.40	7	2.5	1.1	<0.10	3.0	22

DATE	TIME	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 DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
JUL											
10...	0910	14	0.03	--	<0.001	--	<0.002	<0.002	--	<0.20	0.006
10...	0920	14	0.04	0.010	<0.001	0.010	0.010	0.007	0.01	<0.20	0.006
10...	0930	15	0.03	0.090	<0.001	0.090	0.090	0.014	0.02	<0.20	0.004

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
JUL										
10...	0910	<0.001	4.7	30	80	22	0.50	<0.10	4.3	1.96
10...	0920	<0.001	4.3	40	90	23	1.5	<0.10	4.1	--
10...	0930	<0.001	4.3	10	60	120	110	<0.10	3.8	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
SEP											
11...	0842	80513	80513	0.0	74.0	19	6.6	26.0	7.7	97	750
11...	0843	80513	80513	5.00	74.0	19	6.8	26.0	7.7	97	750
11...	0844	80513	80513	10.0	74.0	19	6.8	26.5	7.7	97	750
11...	0845	80513	80513	15.0	74.0	19	6.8	26.0	7.6	96	750
11...	0848	80513	80513	17.0	74.0	19	6.3	25.5	6.9	86	750
11...	0849	80513	80513	18.0	74.0	20	5.8	24.5	3.8	46	750
11...	0850	80513	80513	19.0	74.0	20	5.7	22.0	3.2	37	750
11...	0851	80513	80513	20.0	74.0	19	5.7	20.5	3.1	35	750
11...	0852	80513	80513	21.0	74.0	19	5.7	19.0	3.2	34	750
11...	0853	80513	80513	22.0	74.0	19	5.7	17.5	3.3	35	750
11...	0854	80513	80513	24.0	74.0	19	5.8	16.5	3.5	36	750
11...	0855	80513	80513	27.0	74.0	19	6.0	15.0	3.3	33	750
11...	0856	80513	80513	30.0	74.0	19	6.0	14.0	3.4	33	750
11...	0857	80513	80513	35.0	74.0	19	6.1	13.0	3.7	36	750
11...	0858	80513	80513	40.0	74.0	18	6.1	12.5	4.9	46	750
11...	0859	80513	80513	45.0	74.0	18	6.1	11.5	4.8	45	750
11...	0900	80513	80513	50.0	74.0	19	6.1	11.0	4.3	40	750
11...	0901	80513	80513	55.0	74.0	21	6.1	10.5	3.2	30	750
11...	0902	80513	80513	60.0	74.0	24	6.1	10.5	1.3	12	750
11...	0903	80513	80513	65.0	74.0	24	6.1	10.5	0.8	7	750
11...	0904	80513	80513	70.0	74.0	27	6.2	10.0	0.1	1	750
11...	0905	80513	80513	74.0	74.0	83	7.1	10.0	0.1	1	750
11...	0915	80513	81213	--	74.0	--	--	--	--	--	750
11...	0920	80513	81213	--	74.0	--	--	--	--	--	750
11...	0925	80513	81213	--	74.0	--	--	--	--	--	750

DATE	TIME	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
SEP										
11...	0915	0.0	15	<5	<1.0	K15	K2	7	1.4	0.90
11...	0920	15	30	<5	1.0	K3	<1	7	1.4	0.90
11...	0925	30	74	<5	1.1	21	<1	7	1.4	0.90

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
SEP									
11...	0915	1.2	25	0.2	0.40	6	2.4	1.2	<0.10
11...	0920	1.2	25	0.2	0.40	6	2.4	1.2	<0.10
11...	0925	1.0	22	0.2	0.40	6	2.5	1.1	<0.10

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
SEP									
11...	0915	2.9	22	14	0.03	--	--	--	<0.001
11...	0920	2.8	18	14	0.02	0.010	--	--	<0.001
11...	0925	2.9	16	14	0.02	0.069	0.069	0.31	0.001

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
SEP									
11...	0915	--	--	<0.002	0.004	0.01	<0.20	0.003	<0.001
11...	0920	--	0.010	0.010	0.003	0.00	<0.20	0.004	<0.001
11...	0925	0.00	0.070	0.070	0.004	0.01	<0.20	0.004	<0.001

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
SEP									
11...	0915	5.0	17	60	18	0.70	<0.10	4.9	1.60
11...	0920	4.9	26	80	56	34	<0.10	4.8	--
11...	0925	4.5	30	90	160	130	<0.10	4.2	--

07363400 HURRICANE CREEK BELOW SHERIDAN

LOCATION.--Lat 34°13'42", long 92°22'21", in SW1/4NW1/4 sec.1, T.6 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 35, 6.0 mi south of Sheridan.

DRAINAGE AREA.--261 mi^2.

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.06	2.6	14	29	146	e154	55	e179	7.5	1200	11
2	.00	.62	2.5	20	27	99	e124	58	e154	e11	1100	10
3	.00	.00	2.3	76	28	74	e104	44	e307	e13	864	10
4	.00	.00	2.8	103	28	61	e86	32	e218	e10	309	9.9
5	.00	10	3.2	82	30	55	78	26	e138	e8.0	115	9.8
6	.00	9.8	3.4	61	24	46	74	22	e104	e7.0	76	9.6
7	.00	4.5	3.5	47	17	42	70	50	e69	e13	55	9.6
8	.00	2.2	4.1	38	14	50	63	152	e59	e31	40	9.3
9	.00	1.3	4.8	35	12	e86	57	264	e92	e19	30	9.1
10	.00	.81	5.3	30	13	e64	50	162	e98	e13	23	7.6
11	.00	.82	12	21	14	e54	48	135	e69	e11	21	7.7
12	.00	.70	19	18	17	e49	45	285	e54	e10	21	7.7
13	.00	1.1	14	18	14	e46	105	333	e44	e9.5	19	7.5
14	.00	3.1	12	23	21	e44	306	203	44	e11	15	7.3
15	.00	5.3	12	19	16	e44	497	125	33	e13	13	8.2
16	.00	8.0	16	15	7.8	e46	576	92	26	e14	11	9.5
17	.00	5.8	12	14	5.2	e49	584	71	22	e16	10	9.8
18	.00	5.1	18	16	4.0	e51	323	57	29	e14	8.9	9.4
19	.00	5.1	26	15	29	e56	176	45	31	e12	8.4	9.0
20	.00	4.7	55	30	159	e59	137	35	21	e9.5	10	8.4
21	.00	4.1	52	59	196	e162	118	27	18	e8.0	12	12
22	.00	3.8	31	43	149	e131	107	23	14	e7.0	12	20
23	.00	3.5	20	38	95	e92	143	19	13	e6.0	12	29
24	.00	3.3	13	37	73	e80	136	17	11	e10	10	32
25	.00	3.3	9.1	54	61	e75	128	16	10	e38	9.2	19
26	.00	3.3	6.5	85	54	e69	99	15	8.7	e31	9.1	16
27	.00	3.1	5.5	65	48	e405	78	14	7.7	e69	8.0	22
28	.00	3.1	4.8	54	68	e307	62	13	7.3	e330	9.3	72
29	.00	3.0	4.4	50	127	e208	60	165	6.9	e675	10	156
30	.00	3.0	4.5	36	---	e218	59	422	6.1	e330	11	90
31	.00	---	6.9	30	---	e188	---	e295	---	1180	11	---
TOTAL	0.00	102.51	388.2	1246	1380.0	3156	4647	3272	1893.7	2936.5	4062.9	648.4
MEAN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	94.7	131	21.6
MAX	.00	10	55	103	196	405	584	422	307	1180	1200	156
MIN	.00	.00	2.3	14	4.0	42	45	13	6.1	6.0	8.0	7.3
AC-FT	.00	203	770	2470	2740	6260	9220	6490	3760	5820	8060	1290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
MAX	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	23733.21	
ANNUAL MEAN	64.8	
HIGHEST DAILY MEAN	1200	Aug 1
LOWEST DAILY MEAN	.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1
INSTANTANEOUS PEAK FLOW	1200	Aug 1
INSTANTANEOUS PEAK STAGE	11.08	Aug 1
INSTANTANEOUS LOW FLOW	.00	at times
ANNUAL RUNOFF (AC-FT)	47070	
10 PERCENT EXCEEDS	153	
50 PERCENT EXCEEDS	19	
90 PERCENT EXCEEDS	.78	

eEstimated

07363500 SALINE RIVER NEAR RYE

LOCATION.--Lat 33°42'03", long 92°01'33", in SW1/4NW1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi^2.

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above sea level. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	120	118	298	557	694	2290	1080	1750	181	1820	105
2	51	225	118	277	503	853	2320	957	2150	173	2110	314
3	49	204	117	265	443	1000	2060	882	2450	146	e2260	382
4	58	161	118	344	405	1010	1660	801	2610	124	e2400	315
5	46	142	118	939	370	849	1370	717	2600	107	e2510	249
6	45	508	115	1500	338	720	1170	622	2580	101	e2610	202
7	52	642	112	1750	316	706	1020	627	2680	104	2020	172
8	110	482	120	1670	317	749	891	858	2710	104	1120	155
9	120	344	126	1240	317	754	792	829	2180	99	701	142
10	123	269	121	872	290	917	708	1320	1360	113	541	127
11	119	232	118	686	270	958	642	2530	1190	128	445	118
12	96	199	121	579	257	823	591	4180	1180	134	379	110
13	81	176	145	506	247	693	653	4460	1010	127	322	101
14	78	157	153	453	238	604	949	4230	787	121	277	93
15	68	149	159	417	227	541	1770	3800	700	111	247	87
16	60	202	180	390	212	500	2340	3450	647	109	217	87
17	57	337	178	363	197	463	2660	3210	539	110	187	78
18	52	317	194	345	188	451	2880	2760	457	103	160	84
19	47	260	187	316	205	526	3040	1770	414	100	140	76
20	45	215	170	292	419	652	3190	1060	381	134	126	67
21	42	187	331	277	792	799	4230	796	357	140	114	63
22	41	167	1050	360	1250	1050	5520	662	339	117	107	61
23	40	154	1380	610	1390	1330	4390	569	280	114	100	66
24	39	142	1350	680	1340	1320	3170	496	237	115	100	64
25	38	134	995	615	1110	1890	2320	480	209	120	101	68
26	37	128	689	569	850	2370	1950	838	188	117	116	144
27	48	123	532	576	689	2590	1900	942	169	208	135	199
28	63	121	438	720	612	2690	1780	749	150	299	152	175
29	58	120	373	799	608	2610	1470	613	143	402	124	191
30	57	119	325	729	---	2490	1270	564	152	661	106	298
31	55	---	312	633	---	2370	---	1150	---	1400	94	---
TOTAL	1927	6736	10563	20070	14957	35972	60996	48002	32599	6122	21841	4393
MEAN	62.2	225	341	647	516	1160	2033	1548	1087	197	705	146
MAX	123	642	1380	1750	1390	2690	5520	4460	2710	1400	2610	382
MIN	37	119	112	265	188	451	591	480	143	99	94	61
AC-FT	3820	13360	20950	39810	29670	71350	121000	95210	64660	12140	43320	8710
CFSM	.03	.11	.16	.31	.25	.55	.97	.74	.52	.09	.34	.07
IN.	.03	.12	.19	.36	.26	.64	1.08	.85	.58	.11	.39	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1996, BY WATER YEAR (WY)

MEAN	499	1217	2917	3829	5081	5260	5350	4775	1504	607	298	357
MAX	10570	9690	13280	14830	16710	13920	16340	21470	11950	8191	1573	4511
(WY)	1985	1958	1974	1946	1950	1945	1973	1958	1974	1989	1971	1950
MIN	15.4	50.7	111	143	516	706	640	352	80.5	32.5	10.6	4.95
(WY)	1939	1940	1940	1956	1996	1940	1972	1992	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1938 - 1996	
ANNUAL TOTAL	653179		264178			
ANNUAL MEAN	1790		722		2629	
HIGHEST ANNUAL MEAN					5436	1973
LOWEST ANNUAL MEAN					704	1972
HIGHEST DAILY MEAN	12000	Jan 27	5520	Apr 22	72500	May 18 1968
LOWEST DAILY MEAN	15	Sep 3	37	Apr 22	3.8	Sep 16 1954
ANNUAL SEVEN-DAY MINIMUM	19	Aug 31	40	Oct 20	4.0	Sep 15 1954
INSTANTANEOUS PEAK FLOW			5720	Apr 22	74500	May 18 1968
INSTANTANEOUS PEAK STAGE			a17.15	Apr 22	31.40	May 18 1968
INSTANTANEOUS LOW FLOW			a35	Oct 26	3.5	Sep 27-28 1954
ANNUAL RUNOFF (AC-FT)	1296000		524000		1904000	
ANNUAL RUNOFF (CFSM)	.85		.34		1.25	
ANNUAL RUNOFF (INCHES)	11.56		4.68		16.99	
10 PERCENT EXCEEDS	6500		2200		7470	
50 PERCENT EXCEEDS	534		337		677	
90 PERCENT EXCEEDS	44		87		65	

[a] Observed
[e] Estimated

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE

LOCATION.--Lat 33°51'59", long 91°39'22", in SE1/4SW1/4 sec.6, T.10 S., R.5 W., Lincoln County, Hydrologic Unit 08040205, on downstream side of bridge on State Highway 54, 1.9 mi upstream from Flat Creek at Garrett Bridge.

DRAINAGE AREA.--380 mi^2.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage 144.128 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.2	3.2	258	119	478	593	383	88	94	208	86
2	3.7	1.7	3.2	391	119	448	565	368	83	79	270	73
3	3.6	2.1	3.3	467	118	392	536	335	117	66	335	103
4	3.6	2.6	3.3	468	118	328	503	291	149	60	345	156
5	3.3	2.9	3.3	417	105	266	468	246	127	56	301	159
6	3.1	3.2	3.3	351	74	224	430	212	91	58	223	131
7	2.9	3.4	3.2	296	89	249	395	203	70	77	149	102
8	2.7	3.6	4.3	262	167	319	361	215	79	113	107	78
9	2.5	3.5	6.7	240	251	342	328	276	162	130	119	65
10	2.3	3.3	8.4	222	281	303	294	283	239	119	173	60
11	2.0	3.5	17	206	254	235	255	266	222	101	216	56
12	1.7	3.4	24	186	212	178	215	289	171	85	242	50
13	1.5	3.3	26	158	180	155	183	348	130	78	239	43
14	1.3	3.2	22	136	149	167	164	344	106	85	221	35
15	1.2	3.2	23	118	121	187	187	298	92	101	201	30
16	.95	3.2	41	102	117	182	191	258	84	124	175	27
17	.71	3.2	59	88	142	159	158	234	79	136	155	24
18	.53	3.2	168	80	183	141	130	218	84	144	135	23
19	.41	3.2	355	73	248	159	122	206	95	159	114	23
20	.31	3.2	484	70	432	221	119	199	103	153	97	25
21	.25	3.1	583	77	565	246	261	191	131	132	82	27
22	.26	3.0	590	71	660	212	636	174	173	108	76	29
23	.26	3.0	550	67	688	175	798	151	173	82	83	32
24	.27	3.0	469	172	650	156	784	126	157	60	93	58
25	.27	3.0	383	269	590	346	722	103	157	56	98	70
26	.29	3.0	313	316	528	572	630	86	128	64	94	61
27	.85	3.1	257	291	474	690	536	71	101	99	84	76
28	.96	3.1	212	245	442	722	456	67	87	129	89	133
29	.68	3.2	178	197	452	702	406	78	98	172	132	288
30	.59	3.2	158	157	---	665	387	95	104	205	135	396
31	.71	---	208	130	---	627	---	98	---	201	107	---
TOTAL	47.40	90.8	5162.2	6581	8528	10246	11813	6712	3680	3326	5098	2519
MEAN	1.53	3.03	167	212	294	331	394	217	123	107	164	84.0
MAX	3.7	3.6	590	468	688	722	798	383	239	205	345	396
MIN	.25	1.2	3.2	67	74	141	119	67	70	56	76	23
AC-FT	94	180	10240	13050	16920	20320	23430	13310	7300	6600	10110	5000
CFSM	.00	.01	.44	.56	.77	.87	1.04	.57	.32	.28	.43	.22
IN.	.00	.01	.51	.64	.83	1.00	1.16	.66	.36	.33	.50	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	101	362	686	1073	1100	1000	919	525	272	434	183	70.5
MAX	625	959	1618	2748	2861	1769	2229	1791	726	2488	419	123
(WY)	1991	1988	1992	1988	1990	1990	1991	1991	1989	1989	1989	1989
MIN	1.53	3.03	167	212	294	321	180	55.3	8.58	31.5	34.3	10.4
(WY)	1996	1996	1996	1996	1996	1988	1992	1988	1988	1990	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	126483.10		63803.40			
ANNUAL MEAN	347		174		558	
HIGHEST ANNUAL MEAN					966	1989
LOWEST ANNUAL MEAN					174	1996
HIGHEST DAILY MEAN	2420	Mar 18	798	Apr 23	4610	Feb 10 1990
LOWEST DAILY MEAN	.25	Oct 21	.25	Oct 21	.25	Oct 21 1995
ANNUAL SEVEN-DAY MINIMUM	.27	Oct 20	.27	Oct 20	.27	Oct 20 1995
INSTANTANEOUS PEAK FLOW			804	Apr 23	4650	Feb 10,11 1990
INSTANTANEOUS PEAK STAGE			10.03	Apr 23	22.22	Feb 10,11 1990
INSTANTANEOUS LOW FLOW			.24	Oct 21	.24	Oct 21 1995
ANNUAL RUNOFF (AC-FT)	250900		126600		404400	
ANNUAL RUNOFF (CFSM)	.91		.46		1.47	
ANNUAL RUNOFF (INCHES)	12.38		6.25		19.96	
10 PERCENT EXCEEDS	1010		435		1670	
50 PERCENT EXCEEDS	132		128		211	
90 PERCENT EXCEEDS	3.1		3.1		15	

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE

LOCATION.--Lat 33°37'40", long 91°26'45", in NE1/4SW1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, at mile 200.5.

DRAINAGE AREA.--576 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above mean sea level. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

REMARKS.--No estimated daily discharges. Records good, except daily discharges Oct. 1 to Dec. 17, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft, present datum, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	6.1	7.2	498	287	601	893	1230	69	113	153	68
2	19	6.9	7.2	606	278	583	876	1100	74	100	170	69
3	18	7.0	7.3	665	261	557	843	971	63	84	178	73
4	18	6.9	7.2	675	252	531	798	850	59	68	169	80
5	17	6.8	7.4	659	249	508	748	740	58	57	158	81
6	15	6.8	7.6	635	208	487	701	638	57	49	152	77
7	14	6.9	7.7	604	184	464	652	546	58	43	155	71
8	13	6.8	8.1	570	207	438	605	461	61	39	164	69
9	12	6.7	8.6	533	246	422	557	392	68	33	171	73
10	11	6.6	9.3	491	296	411	512	341	73	27	169	79
11	10	6.7	10	450	335	397	468	320	72	24	164	81
12	9.2	6.7	10	408	355	380	426	297	68	24	152	78
13	8.7	6.7	10	364	364	355	395	283	67	26	129	71
14	8.2	6.9	11	323	353	346	359	281	85	33	112	62
15	7.3	7.1	12	286	336	331	330	289	104	42	106	55
16	6.6	7.0	23	254	314	311	302	298	114	47	111	50
17	6.0	6.9	25	226	286	281	288	303	114	50	121	44
18	5.6	6.9	150	204	256	256	292	301	104	48	129	39
19	4.9	6.9	403	183	229	245	300	288	91	44	133	35
20	4.2	6.8	561	163	215	251	293	268	78	44	132	32
21	3.5	6.9	618	145	219	276	410	243	67	46	124	29
22	2.9	6.9	621	129	241	294	640	216	58	51	114	26
23	2.5	7.0	598	126	284	303	951	193	51	57	102	24
24	2.4	6.9	577	257	351	305	1200	173	46	63	90	22
25	2.4	6.9	564	392	460	449	1380	155	46	87	79	20
26	2.4	7.0	553	422	519	572	1490	141	50	84	70	19
27	2.8	7.1	539	390	563	651	1530	128	63	73	64	44
28	3.3	7.1	515	355	596	714	1490	112	83	72	61	62
29	3.3	7.2	481	327	607	775	1430	98	106	72	60	62
30	3.7	7.3	441	311	---	829	1340	84	116	69	62	60
31	4.9	---	437	297	---	880	---	73	---	111	67	---
TOTAL	261.8	206.4	7236.6	11948	9351	14203	22499	11813	2223	1780	3821	1655
MEAN	8.45	6.88	233	385	322	458	750	381	74.1	57.4	123	55.2
MAX	20	7.3	621	675	607	880	1530	1230	116	113	178	81
MIN	2.4	6.1	7.2	126	184	245	288	73	46	24	60	19
AC-FT	519	409	14350	23700	18550	28170	44630	23430	4410	3530	7580	3280
CFSM	.01	.01	.41	.67	.56	.80	1.30	.66	.13	.10	.21	.10
IN.	.02	.01	.47	.77	.60	.92	1.45	.76	.14	.11	.25	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	176	353	739	1018	1411	1361	1214	1077	465	219	157	159
MAX	1491	2240	2835	3900	5085	3099	3127	5972	2575	3688	1032	1792
(WY)	1985	1958	1973	1946	1990	1948	1991	1958	1974	1989	1989	1974
MIN	8.45	6.88	31.9	39.3	98.6	189	82.8	73.0	22.1	6.03	.44	16.9
(WY)	1996	1996	1982	1966	1963	1954	1966	1965	1972	1954	1956	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	180665.8		86997.8			
ANNUAL MEAN	495		238		692	
HIGHEST ANNUAL MEAN					1488	1973
LOWEST ANNUAL MEAN					149	1972
HIGHEST DAILY MEAN	3150	Mar 20	1530	Apr 27	6870	May 11 1958
LOWEST DAILY MEAN	2.4	Oct 24	2.4	Oct 24	.20	Aug 15 1956
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 22	2.7	Oct 22	.20	Aug 15 1956
INSTANTANEOUS PEAK FLOW			1530	Apr 27	6870	May 11 1958
INSTANTANEOUS PEAK STAGE			12.78	Apr 27,28	[a]25.49	May 11 1958
INSTANTANEOUS LOW FLOW			2.3	Oct 27	.20	Aug 15-23 1956
ANNUAL RUNOFF (AC-FT)	358400		172600		501300	
ANNUAL RUNOFF (CFSM)	.86		.41		1.20	
ANNUAL RUNOFF (INCHES)	11.67		5.62		16.32	
10 PERCENT EXCEEDS	1640		604		2010	
50 PERCENT EXCEEDS	163		114		251	
90 PERCENT EXCEEDS	6.9		6.9		32	

[a]At present datum

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.---Water years 1960-1972, October, 1973, January, 1975, December, 1975 to August, 1976; Water years 1977 through 1979; and Water year 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 17.	1130	80513	81213	4.0	392	8.0	760	18.5	4.6	49

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT 17.	1130	K37	K38	130	32	13	24	27	0.9	4.1

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 17.	1130	8.3	40	226	<0.010	<0.020	<0.010	0.45	0.45

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 17.	1130	0.45	0.040	0.020	0.020	0.06	30	0.32	94

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC 04...	1551	80513	80513	75.0	0.40	0.80	167	8.0
04...	1555	80513	80513	75.0	0.60	1.20	160	--
04...	1557	80513	80513	75.0	0.70	1.40	153	--
04...	1558	80513	80513	75.0	0.80	1.60	146	--
04...	1600	80513	80513	75.0	0.80	1.60	139	--
04...	1601	80513	80513	75.0	0.80	1.60	132	--
04...	1602	80513	80513	75.0	0.60	1.20	125	--
04...	1603	80513	80513	75.0	0.60	1.20	118	--
04...	1604	80513	80513	75.0	0.50	1.00	111	--
04...	1605	80513	80513	75.0	0.40	0.80	104	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC 04...	1551	388	6.8	11.5	4.3	39	769
04...	1555	389	6.9	11.0	4.1	37	769
04...	1557	388	6.9	10.5	3.8	34	769
04...	1558	387	6.9	10.5	3.7	33	769
04...	1600	386	6.9	10.5	3.7	33	769
04...	1601	387	6.9	10.5	3.7	33	769
04...	1602	387	7.0	11.0	3.9	35	769
04...	1603	390	7.0	11.0	4.2	38	769

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	1225	80513	81213	8.0	398	7.4	759	--	--	--
MAR 05...	1055	80513	81213	513	102	6.2	760	12.0	7.7	72
APR 23...	1410	80513	81213	999	54	6.7	770	19.5	5.3	57
JUL 30...	1145	80513	81213	80	369	7.8	750	28.0	4.3	56
AUG 26...	1145	80513	81213	41	303	7.6	762	26.5	4.1	51

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
DEC 05...	1225	35	--	K10	150	37	14	25	26
MAR 05...	1055	420	190	76	31	7.7	2.9	6.0	27
APR 23...	1410	480	520	300	15	3.6	1.4	3.4	29
JUL 30...	1145	340	540	57	130	31	12	25	29
AUG 26...	1145	57	53	420	98	25	8.7	20	30

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)
DEC 05...	1225	0.9	5.1	9.4	44	214	--	--	--
MAR 05...	1055	0.5	2.9	8.0	7.3	74	0.130	--	--
APR 23...	1410	0.4	2.7	5.3	2.6	50	0.510	0.510	2.3
JUL 30...	1145	1	4.4	10	37	228	0.494	0.494	2.2
AUG 26...	1145	0.9	3.9	7.8	24	176	0.200	--	--

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC 05...	1225	<0.010	--	--	<0.020	0.020	0.03	0.36	0.38
MAR 05...	1055	<0.010	--	0.130	0.130	0.040	0.05	0.79	0.83
APR 23...	1410	0.010	0.03	0.520	0.520	0.060	0.08	1.1	1.2
JUL 30...	1145	0.016	0.05	0.510	0.510	0.088	0.11	0.71	0.80
AUG 26...	1145	<0.010	--	0.200	0.200	0.036	0.05	0.60	0.64

DATE	TIME	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	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)
DEC 05...	1225	0.38	0.060	0.050	0.040	0.12	13	0.28	92
MAR 05...	1055	0.96	0.260	0.100	0.050	0.15	109	151	96
APR 23...	1410	1.7	0.470	0.090	0.080	0.25	490	1320	96
JUL 30...	1145	1.3	0.100	0.040	0.070	0.21	60	13	67
AUG 26...	1145	0.84	0.130	0.050	0.060	0.18	80	8.9	81

07369680 BAYOU MACON AT EUDORA

LOCATION.--Lat 33°06'09", long 91°15'08", in SE1/4SE1/4 sec.25, T.18 S., R.2 W., Chicot County, Hydrologic Unit 08030100, near left bank on downstream side of bridge on U.S. Highway 65, 0.6 mi south of Eudora.

DRAINAGE AREA.--500 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Gage-height record and results of discharge measurements since January 1938, are contained in reports of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 80.92 ft above sea level. Satellite telemeter at station.

REMARKS.--Records good, except periods of no gage-height record which are poor. Satellite telemeter at station.

COOPERATION.--Gage-height record provided by the U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 27.43 ft May 10, 22, 1958.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	47	57	109	71	e56	225	123	84	92	1160	121
2	48	52	57	426	73	e45	111	e110	166	81	1100	105
3	50	49	58	294	67	e45	83	e100	165	79	610	95
4	49	47	59	162	78	46	71	e92	153	75	216	e89
5	48	47	58	128	87	47	e62	e85	144	76	143	e83
6	48	48	57	175	62	48	e56	e80	122	72	117	80
7	49	51	56	214	65	47	e49	e76	102	77	102	76
8	49	49	62	125	77	44	e47	e73	105	76	98	76
9	49	48	89	100	74	44	e45	e70	124	69	e94	75
10	51	48	75	94	74	44	e44	e68	122	63	e92	76
11	48	54	66	91	70	43	e43	130	108	63	98	76
12	50	53	63	92	64	43	e42	130	102	57	109	75
13	49	53	62	80	60	43	170	e88	96	60	122	74
14	47	53	62	72	e64	43	125	e52	93	70	123	72
15	48	52	61	66	75	43	644	56	71	93	115	74
16	50	52	193	62	59	e43	346	77	61	108	102	86
17	51	52	216	58	e58	e43	231	91	59	92	97	58
18	51	50	475	60	e58	45	179	87	78	77	100	54
19	51	51	1080	65	e58	68	143	79	291	74	101	53
20	50	52	571	60	e58	55	279	83	163	66	e98	53
21	50	50	236	59	e58	56	2140	84	100	59	e97	52
22	51	50	151	58	59	55	2010	82	72	56	e96	52
23	51	52	116	57	60	50	2010	71	53	52	e95	51
24	50	52	97	326	e59	48	1600	61	48	50	e94	51
25	49	52	88	202	e59	660	820	59	82	61	e93	50
26	48	52	78	109	e65	665	417	63	148	74	e94	51
27	49	56	72	99	e110	299	289	68	142	74	95	120
28	50	58	68	e93	140	188	211	65	113	218	112	113
29	47	57	65	86	72	141	163	72	99	278	144	105
30	46	57	64	81	---	117	145	79	96	272	179	109
31	46	---	79	76	---	283	---	77	---	958	148	---
TOTAL	1522	1544	4591	3779	2034	3497	12800	2531	3362	3672	6044	2305
MEAN	49.1	51.5	148	122	70.1	113	427	81.6	112	118	195	76.8
MAX	51	58	1080	426	140	665	2140	130	291	958	1160	121
MIN	46	47	56	57	58	43	42	52	48	50	92	50
AC-FT	3020	3060	9110	7500	4030	6940	25390	5020	6670	7280	11990	4570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	105	131	269	405	545	384	475	349	191	321	188	89.9
MAX	297	218	651	759	1173	858	1053	1510	330	847	425	150
(WY)	1995	1992	1991	1990	1991	1995	1991	1991	1989	1994	1994	1994
MIN	41.8	51.5	66.8	122	70.1	98.1	91.1	72.0	112	96.7	89.3	64.5
(WY)	1994	1996	1994	1996	1996	1993	1992	1992	1996	1990	1989	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	109867		47681			
ANNUAL MEAN	301		130		287	
HIGHEST ANNUAL MEAN					493	1991
LOWEST ANNUAL MEAN					130	1996
HIGHEST DAILY MEAN	4170	Apr 23	2140	Apr 21	4170	Apr 23 1995
LOWEST DAILY MEAN	32	May 21	42	Apr 12	1.7	Sep 23 1988
ANNUAL SEVEN-DAY MINIMUM	36	May 16	43	Mar 11	34	Sep 28 1988
INSTANTANEOUS PEAK FLOW			2400	Apr 21	4280	Apr 23 1995
INSTANTANEOUS PEAK STAGE			15.98	Apr 21	24.41	Apr 29 1991
INSTANTANEOUS LOW FLOW					32	May 21-23 1995
ANNUAL RUNOFF (AC-FT)	217900		94580		207600	
10 PERCENT EXCEEDS	763		196		645	
50 PERCENT EXCEEDS	93		73		111	
90 PERCENT EXCEEDS	49		48		56	

eEstimated

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

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.

Maximum discharge at crest-stage partial-record stations

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	ST. FRANCIS RIVER BASIN							
07047820 Murray Creek near Jonesboro	Lat 35°51'50", long 90°38'30", in SW1/4SW1/4 sec.2, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro. Drainage area is 1.38 mi².	1960-96	5-6-96	9.06	370	05-27-73	14.20	1,330
07047860 Higginbotham Creek at Jonesboro	Lat 35°48'48", long 90°42'29", in NE1/4NW1/4 sec.30, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203. Drainage area is.95 mi².	1992-96	6-24-96	17.08	a	07-02-94	17.68	a
07047880 Pope Creek tributary at Birdeye	Lat 35°22'35", long 90°42'00", in NE1/4SE1/4 sec.30,T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at culvert on State Highway 42, 0.9 mi west of Birdeye. Drainage area is.08 mi².	1963-96	--	<3.73	--	09-13-78	7.73	511
070479475 Spring Creek at Forrest City	Lat 35°00'56", long 90°47'34", in SE1/4NW1/4 sec.28, T.5 N., R.3 E., St. Francis County, Hydrologic Unit 08020205, on Cherry Street in Forrest City. Drainage area is.54 mi².	1990-96	3-31-96	14.50	a	05-20-90	16.02	a
	WHITE RIVER BASIN							
07048600 White River near Fayetteville	Lat 36°04'23", long 94°04'51", in NE1/4SW1/4 sec.8, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi downstream from West Fork White River, 0.8 mi downstream from Lake Sequoyah Dam on White River, 4.3 mi east of Fayetteville and at mile 684.0. Drainage area is 400 mi².	1963-94f 1995-96	9-26-96	24.73	43,500	11-19-85	30.45	j81,600
07048900 Whitener Branch Tributary near Spring Valley	Lat 36°10'24", long 93°54'59", in SE1/4NW1/4 sec.1, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at culvert on State Highway 68, 1.0 mi east of Spring Valley. Drainage area is 1.07 mi².	1960-96	9-26-96	7.34	230	07-25-60	17.60	1,410
07049000 War Eagle Creek near Hindsville	Lat 36°12'02", long 93°51'16", in SE1/4NE1/4 sec.28, T.18 N., R.27 W., Madison County, Hydrologic Unit 11010001, on left bank about 800 ft above bridge on State Highway 45, 3.9 mi north of Hindsville. Drainage area is 263 mi².	1953-70f 1971-77 1985-96	4-22-96	16.53	12,200	11-19-85	28.49	49,000
07050285 Osage Creek at Osage	Lat 36°11'19", long 93°32'21", in NW1/4SE1/4 sec.27, T.18 N., R.23 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 68, 0.7 mi northwest of Osage. Drainage area is 82.3 mi².	1989-96	4-22-96 1-14-95 1-4-93 10-29-91 4-14-91 2-14-89 4-2-88	11.99 8.56 11.24 11.59 8.38 11.35 h10.89	13,700 h4,400 h11,000 h12,200 h4,050 h11,400 h9,900	05-03-90	14.91	a
07050500 Kings River near Berryville	Lat 36°25'36", long 93°37'15", in SE1/4NE1/4 sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1. Drainage area is 527 mi².	1939-75f 1976-92 1993-95f 1996	4-23-96	20.94	19,900	11-19-85	38.91	66,000
07053207 Long Creek at Denver	Lat 36°23'23" long 93°19'01" in NW1/4NE1/4SE1/4, sec. 16, T.20N., R.22 W., Carroll County Hydrologic Unit 11010001, on left bank, at the downstream side of county road, 0.2 mi southwest of Denver, and 0.4 mi upstream from Dry Creek. Drainage area is 104 mi².	1995-96	01-14-95 04-22-96	10.71 b14.03	5,420 12,000	04-22-96	b14.03	12,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07054410 Bear Creek near Omaha	Lat 36°26'50", long 92°56'00", in NE1/4NE1/4NW1/4 sec.26, T.21 N., R.20 W., Boone County, Hydrologic Unit 11010003, attached to downstream end of bridge pier near right bank on State Highway 14, 6.5 mi east of Omaha. Drainage area is 133 mi^2.	1995-96	9-26-96	8.31	8,000	01-13-96	8.78	9,000
07054450 East Sugarloaf tributary near Lead Hill	Lat 36°22'28", long 92°49'52", in NW1/4NW1/4 sec.19, T.20 N., R.17 W., Marion County, Hydrologic Unit 11010003, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill. Drainage area is.85 mi^2.	1962-96	9-26-96	9.50	560	10-13-68	15.30	2,480
07055000 White River near Flippin	Lat 36°18'35", long 92°33'28", in NE1/4NW1/4 sec.10, T.19 N., R.15 W., Marion County, Hydrologic Unit 11010003, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin. Drainage area is 6,081 mi^2.	1928-80f 1981-91 1992-96g	9-4-96	13.22	--	04-17-45	39.82	215,000
07055608 Crooked Creek at Yellville	Lat 33°13'23", long 92°40'47" in NW1/4NE1/4 sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, on left bank at bridge on State Highway 14 at Yellville. Drainage area is 406 mi^2.	1958-88 1988-94f 1995-96	9-26-96	13.65	10,400	05-03-90	25.20	38,700
07058980 Bennett's River at Vidette	Lat 36°25'19", long 92°07'07", in SW1/4SE1/4SE1/4 sec.2, T.20 N., R.11 W., Fulton County, Hydrologic Unit 11010006, on State Highway 87, 2.9 mi north from intersection with State Highway 62, 0.8 mi south of Vidette. Drainage area is 68.2 mi^2.	1995-96	9-26-96	10.31	a	11-05-94	10.99	a
07059450 Big Creek near Elizabeth	Lat 36°21'25" long92°06'48", in NE1/4SE1/4NW1/4 sec.36, T.20 N., R.11 W., Fulton County, Hydrologic Unit 11010006, at downstream right bank bridge abutment on State Highway 87, 1.9 mi northwest of Elizabeth.	1995-96	9-26-96	13.55	a	11-05-94	15.15	a
07061000 White River at Batesville	Lat 35°45'35", long 91°38'28", in NE1/4NW1/4 sec.21, T.13 N., R.6 W, Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167 in Batesville. Drainage area is 11,070 mi^2.	1937-58f 1986-94f 1995-96g	9-28-96	14.39	--	04-16-45	29.43	324,000
07064000 Black River near Corning	Lat 36°24'07", long 90°32'29", in SW1/4NE1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2. Drainage area is 1,749 mi^2.	1938-95f 1996	5-9-96	12.20	7,760	6-13-45	16.92	48,600
07069000 Black River at Pocahontas	Lat 36°15'14", long 90°58'12", in SW1/4SW1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at bridge on U.S. Highway 67 at Pocahontas. Drainage area is 4,845 mi^2.	1937-70f 1971-78 1981-94 1995-96g	5-14-96	20.56	--	12-07-82	25.22	66,300
07069250 Brush Creek near Mammoth Spring	Lat 36°25'36", long 91°29'27", in SE1/4SE1/4 sec.34, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at culvert on U.S. Highway 63, 5.5 mi southeast of Mammoth Spring. Prior to 1967 published as Spring River Tributary near Mammoth Spring. Drainage area is.48 mi^2.	1961-96	-- 10-2-93	<6.93 8.63	-- a	04-22-73	15.05	960
07069410 Ferguson Creek near Ravenden Springs	Lat 36°17'29", long 91°14'29", in NE1/4SE1/4 sec.13, T.19 N., R.3 W., Randolph County, Hydrologic Unit 11010010, at bridge on State Highway 90, 1.9 mi southwest of Ravenden Springs. Drainage area is 3.79 mi^2.	1989-96	-- 6-3-92 4-18-91 2-14-89	<516 c6.56 c6.85 c6.10	<300 790 940 600	01-04-93	7.52	1,300
07069500 Spring River at Imboden	Lat 36°12'19", long 91°10'19", in SE1/4NE1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi upstream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1. Drainage area is 1183 mi^2.	1936-94f 1995-96	9-27-96	14.70	9,900	12-03-82	b38.12	244,000
07072000 Eleven Point River near Ravenden Springs	Lat 36°20'48", long 91°06'48", in SE1/4SE1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on right bank at upstream side of bridge on State Highway 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs and at mile 21.2. Drainage area is 1,134 mi^2.	1929-33f 1935-94f 1995-96	9-28-96	9.99	5,880	12-03-82	b29.06	162,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07073500 Piney Fork near Evening Shade	Lat 36°04'50", long 91°36'39", in SE1/4NE1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade. Drainage area is 99.2 mi^2.	1939-84f 1985-94 1995-96g	4-23-96	5.75	--	12-03-82	30.32	50,400
07074000 Strawberry River near Poughkeepsie	Lat 36°06'37", long 91°26'59", in SE1/4NW1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9. Drainage area is 473 mi^2.	1936-94f 1995-96	9-27-96	7.60	3,690	12-03-82	b35.90	158,000
07074420 Black River at Elgin Ferry	Lat 35°45'51", long 91°17'40", in NW1/4SE1/4 sec.15, T.13 N., R.3 W., Jackson County, Hydrologic Unit 11010009, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry. Drainage area is 8,418 mi^2.	1979-94 1995-96g	5-20-96	22.75	--	12-04-82	b27.7	a
07074850 White River near Augusta	Lat 35°18'02", long 91°23'35", in SE1/4SE1/4 sec.22, T.8 N., R.4 W., Woodruff County, Hydrologic Unit 11010013, on left bank of Taylor Bay 0.5 mi upstream from White River, 0.7 mi from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta. Drainage area is 20,464 mi^2.	1983-94 1995-96g	4-27-96	29.03	--	12-07-82	38.31	250,000
07074865 Glaise Creek near Bradford	Lat 35°27'45", long 91°32'49", in NW1/4SW1/4 sec.28, T.10 N., R.5 W., Jackson County, Hydrologic Unit 11010013, at bridge on State Highway 87, 5.9 mi northwest of Bradford. Drainage area is 8.35 mi^2.	1989-96	5-7-96 11-5-94 11-17-93	3.49 6.12 6.36	176 a a	01-06-91	8.40	a
07075000 Middle Fork of Little Red River at Shirley	Lat 35°39'25", long 92°17'34", in SW1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi downstream from Sugar Camp or Weavers Creek, 1.0 mi east of Shirley. Drainage area is 302 mi^2.	1939-84f 1985-94 1995-96g	9-27-96	18.51	--	12-03-82	37.53	241,000
07075300 South Fork Little Red River at Clinton	Lat 35°35'29", long 92°27'20", in SW1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi upstream from Archey Creek, and at mile 23.7. Drainage area is 148 mi^2.	1961-94f 1995-96	9-27-96	6.87	822	1203-82	b34.27	67,900
07075600 Choctaw Creek tributary near Choctaw	Lat 35°31'30", long 92°25'03", in SE1/4SW1/4 sec.6, T.10 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at culvert on State Highway 330, 1.4 mi east of Choctaw. Drainage area is 1.36 mi^2.	1964-96	-- 9-10-95 12-15-92 11-20-91 5-25-91 3-22-91 1-19-90 2-15-89 6-30-88 2-16-87 11-27-85 9-4-85 5-8-84	<9.08 11.65 14.10 10.85 12.76 12.76 8.66 10.30 9.01 8.02 8.47 14.68 8.01	-- c460 c820 c360 c610 c610 c136 c295 c170 c88 c123 c920 c88	12-03-82	19.07	1,760
07075800 Dill Branch tributary near Ida	Lat 35°32'36", long 91°57'25", in SW1/4NE1/4 sec.33, T.11 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida. Drainage area is.11 mi^2.	1964-96	12-18-95	5.71	10	04-02-79	9.96	230
07076630 Key Branch near Searcy	Lat 35°14'47", long 91°47'01", in NW1/4SW1/4 sec.8, T.7 N., R.7 W., White County, Hydrologic Unit 11010014, at culvert on State Highway 36, 2.8 mi west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy. Drainage area is.66 mi^2.	1961-96	5-28-96	4.81	38	11-24-73	7.79	573
07076750 White River at Georgetown	Lat 35°07'45", long 91°27'00", in SW1/4SW1/4 sec.20, T.6 N., R.4 W., White County, Hydrologic Unit 08020301, on right bank at Arkansas Game and Fish Commission boat launching area at Georgetown, and at mile 167. Drainage area is 22, 387 mi^2.	1990-94f 1995-96	5-2-96	15.42	33,800	04-23-91	22.75	78,500
07076870 Pigeon Roost Creek at Butlerville	Lat 34°58'36", long 91°50'38", in NW1/4NE1/4 sec.15, T.4 N., R.8 W., Lonoke County, Hydrologic Unit 08020301, at bridge on State Highway 38, 0.6 mi west of Butlerville. Drainage area is 23.0 mi^2.	1961-96	5-11-96	9.87	980	04-21-74	12.62	8,800

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07077100 Big Creek near Boydsville	Lat 36°22'12", long 90°19'50", in SE1/4NW1/4, sec.16, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at bridge on county road, 0.5 mi south of Crockett and 4.0 mi northeast of Boydsville. Drainage area is 12.9 mi^2.	1962-81 1993-96	9-2-96	17.37	a	04-19-73	19.14	5,700
07077200 Big Creek tributary near Boydsville	Lat 36°22'32", long 90°19'56", in SE1/4SW1/4 sec.9, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi northeast of Boydsville. Drainage area is 1.58 mi^2.	1962-96	4-29-96	5.75	125	05-08-84	9.65	730
07077430 Willow Ditch near Egypt	Lat 35°56'29", long 90°56'33", in SW1/4SW1/4 sec.12, T.15 N., R.1 E., Lawrence County, Hydrologic Unit 08020302, at culvert on State Highway 91, 5.1 mi north of Egypt. Drainage area is.25 mi^2.	1963-96	10-27-95	5.91	a	12-21-91	6.37	112
07077650 Big Creek near Jonesboro	Lat 35°51'11", long 90°45'00", in SE1/4SE1/4 sec.10, T.14 N., R.3 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 63, 1.3 mi west of Jonesboro. Drainage area is 50.6 mi^2.	1989-96	1-18-95	14.58	a	04-13-93	20.57	a
07077655 Christian Creek at GE Drive at Jonesboro	Lat 35°50'29", long 90°43'33", in NW1/4SW1/4, sec.3, T.14 N, R.3 E., Craighead County, Hydrologic Unit 08020302, 100 ft west of Gee Street in Jonesboro, on bridge at entrance to General Electric plant. Drainage area is 3.78 mi^2.	1993-96	--	<10.60	--	06-15-94	13.00	a
*07077920 Big Creek at Goodwin	Lat 34°56'22", long 91°00'55", in NE1/4NE1/4 sec.29, T.4 N., R.1 E., St. Francis County, Hydrologic Unit 08020304, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin. Drainage area is 31.1 mi^2.	1961-96	9-26-96	8.60	290	12-25-87	10.35	1,250
07077940 Spring Creek near Aubrey	Lat 34°41'16", long 90°53'45", in SW1/4SE1/4, sec.16, T.1 N., R.2 E., Lee County, Hydrologic Unit 08020304, at bridge on State Highway 121, 2.1 mi south of Aubrey. Drainage area is 38.0 mi^2.	1962-80 1993-96	9-26-96	14.95	1,660	07-22-80	16.03	2,100
	ARKANSAS RIVER BASIN							
07249447 Mill Creek at Fort Smith	Lat 35°20'34", long 94°25'20", in NW1/4NW1/4 sec.33, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104, on right bank 30 ft upstream from bridge on Towson Avenue in Fort Smith. Drainage area is 10 mi^2.	1960-63f 1981-96	7-30-96	31.82	a	05-02-90	36.40	2,400
07249457 May Branch at Fort Smith	Lat 35°22'30", long 95°23'51", in NE1/4SW1/4 sec.15, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104, on upstream side of bridge on Free Ferry Road. Drainage area is 1.0 mi^2.	1981-86f 1992-96	4-22-96 1-13-95 7-4-94	6.22 5.65 6.26	470 c370 c480	12-02-82	8.01	580
07249490 Lee Creek near Lee Creek	Lat 35°42'12", long 95°19'37", in NW1/4SE1/4 sec.19, T.12 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 220, 1.8 mi northeast of Lee Creek. Drainage area is 93.5 mi^2.	1988-96	9-26-96 2-22-94 4-15-93 10-29-91 4-13-91 1-2-89 4-1-88	12.65 c8.85 c13.54 c7.77 c9.17 c12.53 h13.57	a a a a a a a	05-03-90	c15.39	a
07249500 Cove Creek near Lee Creek	Lat 35°43'20", long 94°24'28", in SW1/4NW1/4 sec.16, T.12 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek. Drainage area is 35.3 mi^2.	1951-70f 1971-96	9-26-96	9.96	7,300	05-05-60	15.60	33,600
07249950 Webber Creek tributary near Cedarville	Lat 35°36'00", long 92°22'49", in SE1/4SE1/4 sec.27, T.11 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at culvert on State Highway 59, 2.3 mi north of Cedarville. Drainage area is.34 mi^2	1962-96	9-26-96 5-8-95 7-14-94	5.97 6.29 6.26	24 c50 c47	10-26-70	7.71	274
07251500 Frog Bayou at Rudy	Lat 35°31'32", long 94°16'18", in SW1/4SW1/4 sec.23, T.10 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 282 at Rudy. Drainage area is 216 mi^2.	1951-70f 1971-96	9-26-96	12.28	13,500	05-30-90	18.76	41,300

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	ARKANSAS RIVER BASIN--CONTINUED							
07251790 Mulberry River near Oark	Lat 35°41'01", long 93°35'57", in NW1/4SE1/4 sec.24, T.12 N., R.25 W., Johnson County, Hydrologic Unit 11110201, at bridge on State Highway 103, 1.5 mi west of Oark.Drainage area is 70.2 mi^2.	1988-96	9-26-96 11-5-94 11-14-93 10-27-91 4-13-91 5-3-90 2-15-89	14.42 10.99 10.67 9.75 7.45 8.64 8.82	a h8,500 h7,800 h6,000 h2,400 h4,200 h4,400	1-4-93	c14.72	a
07252000 Mulberry River near Mulberry	Lat 35°34'37", long 94°00'55", in SE1/4SW1/4 sec.31, T.11 N., R.29 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3. Drainage area is 373 mi^2.	1938-94f 199-96	9-27-96	17.33	35,900	12-03-82	23.66	70,200
07256490 Greenbrier Creek at Clarksville	Lat 35°2815", long 93°27'09", in NW1/4NW1/4 sec.4, T.9 N., R.23 W., Johnson County, Hydrologic Unit 1111020, on State Highway 64 about 0.7 mi west of State Highway 21 North junction, at Clarksville. Drainage area is 26.7 mi^2.	1993-96	4-22-96	4.25	107	11-05-94	8.57	a
*07256500 Spadra Creek at Clarksville	Lat 35°28'06", long 93°27'46", in NW1/4NE1/4 sec.5, T.9 N., R.23 W., Johnson County, Hydrologic Unit 11110202, on right bank at Clarksville, 0.2 mi downstream from bridge on U.S. Highway 64. Drainage area 61.1 mi^2.	1953-70f 1971-96d	4-22-96	6.52	1,410	06-05-74	19.93	27,400
07256700 Big Shoal Creek near New Blaine	Lat 35°17'30", long 93°27'37", in NW1/4SE1/4 sec.5, T.7 N., R. 23 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 2.3 mi west of New Blaine. Drainage area is 50.0 mi^2.	1989-96	--	<9.22	<3,200	05-03-90	19.11	a
07257006 Big Piney Creek at Hwy 164 near Dover	Lat 35°30'48", long 93°10'24", in SE1/4NW1/4 sec.25, T.10 N., R.21 W., Pope County, Hydrologic Unit 11110202, on right bank 11.9 mi downstream from Indian Creek, 7.2 mi north of Dover, and at mile 23.3. Drainage area is 297 mi^2.	1950-95f 1996	9-26-96	18.22	47,900	12-3-82	i33.87	k111,000
07257100 Minnow Creek tributary near Hagarville	Lat 35°30'11", long 93°21'56", in SE1/4SE1/4 sec.19, T.10 N., R.22 W., Johnson County, Hydrologic Unit 11110202, at culvert on State Highway 123, 2.6 mi southwest of Hagarville. Drainage area is 0.20 mi^2.	1962-96	4-22-96	3.59	20	04-24-70	6.62	176
*07257200 Little Piney Creek near Lamar	Lat 35°26'54", long 93°20'17", in SW1/4NE1/4 sec.9, T.9 N., R.22 W., Johnson County, Hydrologic Unit 11110202, on left bank 600 ft upstream from State Highway 359 bridge, 3.0 mi east of Lamar. Drainage area is 154 mi^2.	1978-96	9-26-96	9.38	4,580	12-03-82	15.35	13,300
07257500 Illinois Bayou near Scottsville	Lat 35°27'58", long 93°02'28", in SE1/4SW1/4 sec.32, T.10 N., R.19 W., Pope County, Hydrologic Unit 11110202, at bridge on county road, 1.3 mi north of Scottsville. Drainage area is 241 mi^2.	1948-70f 1971-96	9-26-96	12.68	9,440	12-03-82	27.49	130,000
07258000 Arkansas River at Dardanelle	Lat 35°13'34", long 93°08'58", in SW1/4 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 i upstream from Whig Creek, 2.0 mi downstream form Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5. Drainage area is 153,670 mi^2.	1937-94f 1995-96	4-24-96	23.01	138,000	05-13-43, 05-14-43, 05-25-43	43.60	683,000
07258200 Pack Saddle Creek tributary near Waldron	Lat 34°58'18", long 95°05'42", in SE1/4SE1/4 sec.29, T.4 N., R.29 W., Scott County, Hydrologic Unit Hydrologic Unit 11110105, at culvert on U.S. Highway 71, 5.2 mi north of Waldron. Drainage area is 0.92 mi^2.	1961-96	4-22-96 5-8-95	3.53 3.28	a a	05-13-68	9.42	689
07258500 Petit Jean River near Booneville	Lat 35°06'25", long 93°55'25", in NW1/4NW1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville. Drainage area is 241 mi^2.	1938-84f 1985-96	4-23-96	21.27	16,100	04-16-39	23.42	43,200
07260000 Dutch Creek at Waltreak	Lat 34°59'15", long 93°36'45", in SE1/4NW1/4 sec.24, T.4 N., R.25 W., Yell County, Hydrologic Unit 11110204, on left bank 0.2 mi north of Waltreak. Drainage area is 81.4 mi^2.	1945-75f 1976-96	4-22-96	10.23	2,800	07-26-69	22.38	24,500
07260640 Petit Jean River near Centerville	Lat 35°04'30", long 93°11'58", in NE1/4 sec.23, T.5 N., R.21 W. Yell County, Hydrologic Unit 11110204, on right bank 300 ft upstream from State Highway 7, 3.0 mi southeast of Centerville. Drainage area is 927 mi^2.	1988-90g 1991-94 1995-96g	4-25-96	16.24	--	05-05-90	26.40	--

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	ARKANSAS RIVER BASIN--CONTINUED							
*07260673 West Fork Point Remove Creek near Hattieville	Lat 35°19'25", long 92°52'22", in NE1/4SE1/4 sec.23, T.8 N., R.18 W., Pope County, Hydrologic Unit 11110203, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville. Drainage area is 222 mi^2.	1978-96	4-23-96	10.95	1,220	12-03-82	26.62	64,100
07260679 East Fork Point Remove Creek tributary near Saint Vincent	Lat 35°16'09", long 92°44'00", in NE1/4NE1/4 sec.7, T.7 N., R.16 W., Conway County, Hydrologic Unit 11110203, at culvert on State Highway 213, 2.2 mi south of Saint Vincent. Drainage area is 0.09 mi^2.	1967-96	--	<5.74	--	12-03-82	8.24	102
07261250 Cadron Creek near Conway	Lat 35°06'51", long 92°31'30", in NE1/4SE1/4 sec.31, T.6 N., R.14 W., Faulkner County, Hydrologic Unit 11110205, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway. Drainage area is 752 mi^2.	1979-94 199-965g	4-24-96	11.10	--	05-07-90	25.80	a
07261500 Fourche LaFave River near Gravelly	Lat 34°52'21", long 93°39'24", in NW1/4NW1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi downstream form Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7. Drainage area is 410 mi^2.	1939-94f 1995-96	6-1-96	9.11	4,530	120-3-82	b32.45	162,000
07261800 Brogran Creek near Rover	Lat 34°54'27", long 93°24'06", in NW1/4SE1/4 sec.13, T.3 N., R.23 W., Yell County, Hydrologic Unit 11110206, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche Lafave River tributary near Rover. Drainage area is 1.04 mi^2.	1963-96	4-23-96	4.16	79	12-03-82	b10.65	1,260
07263000 South Fourche LaFave River near Hollis	Lat 34°54'41, long 93°03'21", in SE1/4NE1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis, and at mile 5.6.Drainage area is 210 mi^2.	1941-95f 1996	5-7-96	6.71	2,930	12-3-82	24.55	L94,000
07263012 Fourche LaFave River near Aplin	Lat 34°57'37", long 92°58'50", in E1/2NE1/4 sec.35, T.4 N., R.19 W., Perry County, Hydrologic Unit 11110204, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin. Drainage area is 957 mi^2.	1980-96	6-7-96	17.69	8,570	12-03-82	36.10	a
07263100 Fourche LaFave Tributary near Perryville	Lat 35°01'14", long 92°46'06", in NW1/4SW1/4 sec.1, T.4 N., R.17 W., Perry County, Hydrologic Unit 11110206, at culvert on State Highway 60, 2.2 mi northeast o Perryville. Drainage area is 1.47 mi^2.	1962-96	6-6-96	7.18	76	12-03-82	11.45	1,150
07263115 Fourche LaFave River near Houston	Lat 35°00'44", long 92°43'24", in NW1/4NE1/4 sec.8, T.4 N., R.16 W., Perry County, Hydrologic Unit 11110206, at left bank at downstream side of bridge on State Highway 216, 2.4 mi southwest of Houston. Drainage area is 1,058 mi^2.	1988-94 1995-96g	4-25-96	23.47	a	05-08-90	37.35	a
07263400 Little Maumelle River at Ferndale	Lat 34°46'48", long 92°33'15", in NW1/4SE1/4 sec.25, T.2 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, at bridge on Congo Road, 0.2 mi northeast of Ferndale. Drainage area is 15.0 mi^2.	1963-86 1993-96	4-22-96	10.38	4,200	03-10-73	15.01	10,800
07263580 Rock Creek at Little Rock	Lat 34°43'13", long 92°21'32", in NW1/4SW1/4 sec.13, T.1 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, at west 36th Street bridge in Little Rock. Drainage area is 20.5 mi^2.	1978-88 1989-94g 1995-96	5-27-96	6.15	a	09-13-78	18.22	22,500
07263590 Coleman Creek at Little Rock	Lat 34°45'07", long 92°20'02", in SE1/4NW1/4 sec.6, T.1 N., R.12 W., Pulaski County, Hydrologic Unit 11110207, at Markham and N. Tyler in Little Rock. Drainage area is 1.08 mi^2.	1990-96	5-27-96 4-11-95	15.14 14.11	a a	05-19-90	17.50	a
07264050 Bayou Two Prairie near Cabot	Lat 34°51'32", long 91°58'48" in SW1/4NW1/4 sec.28, T.3 N., R.9 W., Lonoke County, Hydrologic Unit 08020402, at bridge on State Highway 89, 1.8 mi north of Furlow. Drainage area is 84.9 mi^2.	1988-96	5-11-96 3-9-92 1-6-91 3-8-90 11-19-88	8.51 c9.60 c9.98 c10.56 c10.13	a c1,360 c1,600 c2,350 c1,850	12-28-87	c12.12	c5,200
	RED RIVER BASIN							
07339500 Rolling Fork near DeQueen	Lat 34°02'51", long 94°24'47", in SW1/4SW1/4 sec.21, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near of span on downstream side of bridge on U.S Highway 70, 4.0 mi, west of DeQueen. Drainage area is 182 mi^2.	1948-80f 1981-96	4-16-96	7.41	1,360	12-10-71	24.23	71,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07340500 Cossatot River near DeQueen	Lat 34°02'45", long 94°12'42", in NE1/4NE1/4 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, 7.0 mi east of DeQueen. Drainage area is 360 mi^2.	1938-80f 1981-96	4-15-96	7.65	1,920	05-13-68	22.60	122,000
07341000 Saline River near Dierks	Lat 34°05'45", long 94°05'04", in NW1/4SW1/4 sec.3, T.8 S., R. 29 W., Howard County, Hydrologic Unit 11140109, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks. Drainage area is 121 mi^2.	1938-80f 1981-96	4-16-96	7.80	1,020	05-13-68	22.95	59,200
07341260 Dillard Creek near Nashville	Lat 33°26'04", long 93°54'45", in NE1/4NE1/4 sec.30, T.9 S., R.27 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 24, 4.1 mi west of Nashville. Drainage area is 5.82 mi^2.	1989-96	--	<7.86	--	05-08-96	9.07	a
07344280 Nix Creek at E. 12th Street at Texarkana	Lat 33°26'04", long 95°01'33", in NW1/4SW1/4 sec.20, T.15 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on E. 12th Street at Texarkana, 0.1 mi west of junction with U.S. Highway 67. Drainage area is 8.87 mi^2.	1993-96	8-28-96	14.85	a	01-18-96	16.76	a
07344285 Swampoodle Creek at Broad Street at Texarkana, Texas	Lat 33°25'06", long 95°02'57", in Bowie County, Texas, Hydrologic Unit 11140302, at bridge on Broad Street, 0.4 mi southwest of Arkansas-Texas state line. Drainage area is 424 mi^2.	1993-96	8-28-96	15.79	a	01-18-96	17.28	a
07348635 Big Creek tributary at Magnolia	Lat 33°15'51", long 93°13'56", in NW1/4NE1/4 sec.13, T.17 S., R.21 W., Columbia County, Hydrologic Unit 11140203, at Dudney and Grayson St. in Magnolia. Drainage area is 0.34 mi^2.	1990-96	6-2-96 5-10-93	16.38 b15.28	a a	04-28-91	17.70	a
07355800 Lewis Creek tributary near Mena	Lat 34°37'15", long 95°12'15", in NE1/4SW1/4 sec.33, T.1 S., R.30 W., Polk County, Hydrologic Unit 08040101, at culvert on U.S. Highway 71, 3.1 mi northeast of Mena. Drainage area is 0.65 mi^2.	1961-96	2-19-96	2.52	73	10-08-90	6.23	560
07357740 Bear Creek near Royal	Lat 34°30'30", long 93°15'21", in NE1/4NW1/4 sec.4, T.3 S., R.21 W., Garland County, Hydrologic Unit 08040101, at bridge on U.S. Highway 270, 1.0 mi west of Royal. Drainage area is 5.99 mi^2.	1989-96	5-11-96 5-8-95 12-3-93 11-19-88	3.70 h4.66 6.47 4.29	450 h780 h1,650 h640	03-08-90	6.42	h1,600
07357860 Stokes Creek at Kimery Road at Hot Springs	Lat 34°28'36", long 93°04'52", in SE1/4NW1/4 sec.18, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at bridge on Kimery Road, 2.8 mi southwest of Hot Springs Post Office. Drainage area is 3.02 mi^2.	1993-96	7-10-96 7-22-94 8-6-93	5.14 c6.40 c5.89	a a a	11-05-94	c6.49	a
07359710 Rock Creek near Glenwood	Lat 34°18'34", long 93°32'21", in NW1/4NE1/4 sec.14, T.5 S., R.24 W. Pike County, Hydrologic Unit 08040102, at bridge on State Highway 8, 1.3 mi southeast of Glenwood. Drainage area is 8.62 mi^2.	1989-96	8-2-96	7.73	1,600	05-20-90	13.58	7,450
07359805 Valley Creek near Point Cedar	Lat 34°19'17", long 93°15'24", in NW1/4NE1/4 sec.9, T.5 S., R.21 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi east of Point Cedar Drainage area is 7.62 mi^2	1989-96	4-13-96 2-27-95 1-27-94 3-29-89	5.77 10.09 8.72 10.62	265 c2,720 c1,700 h3,200	05-20-90	16.9	10,500
07360100 L'Eau Frais at Joan	Lat 34°06'27", long 92°55'22", in SW1/4NE1/4 sec.22, T.7 S., R.18 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 128, 0.7 mi southeast of Joan. Drainage area is 74.2 mi^2.	1989-96	8-2-96 c11-5-94	4.29 4.91	670 840	04-14-93	8.16	a
07360200 Little Missouri River near Langley	Lat 34°18'41", long 93°53'58", in NW1/4SW1/4 sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 3.3 mi west of Langley. Drainage area is 68.4 mi^2.	1989-96	5-11-96 11-5-94 12-3-93 12-9-91 10-8-90 11-19-88	13.04 c11.55 c16.55 c13.04 c13.52 c11.37	a a a a a a	03-08-90	c17.34	a
07360225 Little Blocker Creek near Langley	Lat 34°18'41", long 93°49'06", in SE1/4NE1/4 sec.18, T.5 S., R.26 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.3 mi east of Langley. Drainage area is 5.74 mi^2.	1989-96	5-7-96	6.50	a	12-03-93	11.79	a
07361180 South Fork Ozan Creek near Ozan	Lat 33°49'15", long 93°42'28", in SE1/4SW1/4 sec.5, T.11 S., R.25 W., Hempstead County, Hydrologic Unit 08040103, at bridge on State Highway 4, 2.0 mi south of Ozan. Drainage area is 17.7 mi^2.	1963-96	-- 4-11-95 12-3-93	<13.70 c16.26 c19.39	-- a a	04-19-73	25.06	8,360

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07361760 Bell Creek near Hollywood	Lat 34°05'47", long 93°16'53", in NW1/4NE1/4 sec.31, T.7 S., R.21 W.,Clark County, Hydrologic Unit 08040103, at bridge on State Highway 26, 2.0 mi west of Hollywood. Drainage area is 9.22 mi^2.	1988-96	5-7-96	6.97	a	12-26-87	14.0	a
07361894 Mill Creek near Holly Springs	Lat 33°46'01", long 92°39'52", in SE1/4SW1/4 sec.17, T.11 S., R.15 W., Ouachita County, Hydrologic Unit 08040102, at bridge on State Highway 203, 4.2 mi southeast of Holly Springs. Drainage area is 9.01 mi^2.	1989-96	8-2-96 1-19-95 2-22-94 4-8-93	8.29 11.08 10.75 8.75	113 c334 c305 c145	03-08-90	13.07	a
07362330 Dunn Creek near Hampton	Lat 33°32'05", long 92°30'55", in SE1/4NW1/4 sec.2, T.14 S., R.14 W., Calhoun County, Hydrologic Unit 08040201, at bridge on State Highway 4, 2.8 mi west of Hampton. Drainage area is 13.6 mi^2.	1962-96	3-25-96	4.83	120	05-01-66	10.11	4,240
07362500 Moro Creek near Fordyce	Lat 33°47'32", long 92°20'00, in NW1/4NW1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, Hydrologic Unit 08040201, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce. Drainage area is 240 mi^2.	1952-83f 1984-96	5-11-96	10.34	975	05-02-58	16.47	26,800
07362715 Big Creek near Crow	Lat 34°37'00", long 92°43'35", in NE1/4NW1/4 sec.28, T.1 S., R.16 W. Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 2.5 mi east of Crow. Drainage area is 4.7 mi^2.	1988-96	7-27-96 4-10-95 12-3-93 12-15-92 3-8-92 10-9-90 5-20-90 11-19-88	8.11 c6.69 c7.59 c8.02 c8.15 c8.63 c7.60 c9.26	2,160 h930 h1,610 h2,060 h2,200 h2,800 h1,610 h3,700	12-28-87	c9.68	h4,400
07363000 Saline River at Benton	Lat 34°34'05", long 92°36'40", in SE1/4NE1/4 sec.9, T.2 S., R.15 W. Saline County, Hydrologic Unit 08040203, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork. Drainage area is 550 mi^2.	1951-79f 1980-96	5-28-96	13.45	7,790	01-30-69	29.68	100,000
07363200 Saline River near Sheridan	Lat 34°06'56", long 92°24'21", in NE1/4NW1/4 sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan. Drainage area is 1,123 mi^2.	1971-82f 1983-96	4-18-96	13.31	3,490	12-28-87	22.66	73,900
07363435 Derrieusseaux Creek near Grapevine	Lat 34°08'44", long 92°14'38", in NE1/4NW1/4 sec.5, T.7 S., R.11 W.,Grant County, Hydrologic Unit 08040203, at bridge on State Highway 54, 4.2 mi east of Grapevine. Drainage area is 77.0 mi^2.	1989-96	2-19-96 1-19-95 1-28-94 3-10-92 4-29-91	6.80 9.14 9.62 8.15 10.44	320 c1,560 c2,200 c760 a	12-26-87	10.74	a
07364030 L'Aigle Creek tributary near Hermitage	Lat 33°24'30", long 92°12'30", in SE1/4NW1/4 sec.14, T.15 S., R.11 W., Bradley County, Hydrologic Unit 08040204, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage. Drainage area is 0.36 mi^2.	1963-96	3-25-96	3.73	9	04-14-91	7.06	a
07364110 Nevins Creek tributary near Pine Bluff	Lat 34°10'08", long 92°05'12", in NW1/4SE1/4 sec.26, T.6 S., R.10 W., Jefferson County, Hydrologic Unit 08040205, at culvert on U.S. Highway 79, 6.0 mi southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew Tributary near Pine Bluff. Drainage area is 0.75 mi^2.	1961-96	--	<3.75	<38	09-24-84	10.58	600
07364128 Deep Bayou near Grady	Lat 34°02'03", long 91°42'34", in NW1/4NW1/4 sec.16, T.8 S., R.6 W., Lincoln County, Hydrologic Unit 08040205, at bridge on State Highway 11, 2.7 mi south of Grady. Drainage area is 102 mi^2.	1989-96	3-25-96 1-19-95 1-29-94 12-1-91 4-22-91 4-15-93	9.90 14.29 15.40 15.30 15.85 13.18	750 c1,550 c1,800 c1,760 c1,900 c1,350	07-18-89	18.1	a
07364140 Ables Creek near Tyro	Lat 33°49'29", long 91°44'06", in NE1/4SE1/4 sec.20, T.10 S., R.6 W., Lincoln County, Hydrologic Unit 08040205, on left downstream bridge pier on State Highway 54, 1.3 mi southwest of Tyro. Drainage area is 36 mi^2.	1993-96	4-23-96	12.09	1,090	04-08-93	13.25	1,420
07364550 Caney Creek tributary near El Dorado	Lat 33°11'22", long 92°36'28", in NE1/4NW1/4 sec.1, T.18 S., R.15 W.,Union County, Hydrologic Unit 08040202, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado. Drainage area is 0.07 mi^2.	1961-96	3-24-96	8.20	85	06-08-74	12.40	978

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07365800 Cornie Bayou near Three Creeks	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, 6.0 mi southwest of Three Creeks. Drainage area is 180 mi^2.	1956-87f 1990-96	--	<9.05	<440	06-08-74	17.50	65,000

a Not determined
b From floodmarks
c Revised.
d Prior to December 20, 1989 at datum 2.00 ft higher
f Operated as a continuous-record gaging station
* Also a low-flow partial-record station
g Operated as a stage-only station
h Not previously published
i At site and datum then in use
j From rating curve extended above 35,400 ft^3/s
k From rating curve extended above 45,000 ft^3/s
L From rating curve extended above 35,000 ft^3/s

Special Study and Miscellaneous Sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 1996

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		ST. FRANCIS RIVER BASIN				
07047947 Second Creek near Palestine	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW1/4SE1/4 sec.17, T.5 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on county road 4.0 mi north of Palestine.	a	1986-95	1-9-96 4-4-96 7-18-96	14.4 96.5 6.27
		WHITE RIVER BASIN				
07048550 West Fork White River east of Fayetteville	White River	Lat 36°03'00", long 94°04'42", in NW1/4 sec.20, T.16 N., R.30 W. Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi north of State Highway 16, and 4.3 mi east of Fayetteville.	a	1985-95	10-17-95 3-27-96 6-18-96	4.31 129 12.0
07069170 Warm Fork Spring River near Thayer, Missouri	Black River	Lat 36°30'10", long 92°31'31", in SE1/4SE1/4 sec.5, T.21 N., R.5 W., Oregon County, Mo., Hydro-logic Unit 11010010 at bridge on county road, 0.6 mi east of U.S. Highway 63, 0.2 mi north of Missouri-Arkansas State line, and 1.1 mi southeast of Thayer, Mo.	a	1971-75, 1983-95	10-10-95 1-10-96 4-30-96	16.3 20.7 193
07069295 South Fork Spring River at Saddle	Spring River	Lat 36°21'00", long 92°38'00", in NW1/4NW1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	a	1974-95	2-29-96 6-29-96	55.8 46.3
07076950 Watensaw Bayou near Hazen	White River	Lat 34°52'34", long 92°33'56", in SE1/4SE1/4 sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301, at bridge on State Highway 11, 7.0 mi north of Hazen.	a	1984-95	11-13-95 4-8-96 7-8-96	0 35.1 33.8
07077660 Bayou DeView near Gibson	Cache River	Lat 35°47'36", long 90°50'18", in SW1/4SW1/4 sec.36, T.14 N., R.2 E., Craighead Coutny, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.	a	1974-88 1995	12-7-95 4-2-96 7-11-96	5.64 73.1 12.6
		ARKANSAS RIVER BASIN				
07195400 Illinois River near Siloam Springs	Arkansas River	Lat 36°08'41", long 94°29'41", in SW1/4SW1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1971-81[e] 1982-85 1986[c] 1987-95	7-31-96	151
07246940 Poteau River at Waldron	Arkansas River	Lat 34°53'46", long 94°03'57", in SW1/4SE1/4 sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on State Highway 80, in Waldron.	a	1986-95	11-29-98 1-11-96 1-23-96 3-5-96 4-3-96 5-21-96 6-25-96 6-26-96 8-22-96	0 7.16 9.53 2.20 2.15 5.50 [b]0.02 .839 200 [b]0.01
07246950 Poteau River northwest of Waldron	Arkansas River	Lat 34°54'47", long 94°06'28", in SE1/4SW1/4, sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	46.1	1993-95	11-29-95 1-1-96 2-20-96 4-3-96 5-21-96 6-26-96	2.14 13.3 4.66 38.1 4.22 3.27
07246960 Poteau River near Hon	Arkansas River	Lat 34°55'34", long 94°10'03", in SW1/2SE1/4, sec.10, T.3 N., R.30 W., Scott County, Hydrologic Unit 11110105, at bridge on State Highway 80, 1.1 mi southeast of Hon.	69.5	1993-95	11-29-95 1-11-96 2-20-96 4-3-96 5-21-96 6-26-96	1.97 18.4 6.37 56.8 9.22 9.75
07246980 Jones Creek near Hon	Poteau River	Lat 34°55'13" long 94°09'58", in SE1/4NE1/4, sec.15, T.3 N., R.30 W., Scott County, Hydrologic Unit 11110105, 500 ft east of county road, 1.6 mi southeast of Hon.	93.2	1993-95	11-21-95 1-11-96 2-20-96 4-3-96 5-21-96 6-26-96	.280 20.4 8.69 49.9 9.99 12.3
07260620 Chickalah Creek near Chickalah	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW1/4 sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.	a	1964-67[c] 1986-95	10-24-95 1-25-96 6-4-96	0 35.1 39.0

Discharge measurements made at special study and miscellaneous sites during water year 1996--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		RED RIVER BASIN				
07338720 Mountain Fork near Hatfield	Little River	Lat 34°30'18", long 94°25'50", in NE1/4NE1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108 at bridge on State Highway 246, 3.1 mi northwest of Hatfield.	168	1962-67[c] 1971-73 1986-95	10-18-95 3-20-96 6-25-96	50.0 177 11.2
07344300f Days Creek southeast of Texarkana	Sulphur River	Lat 33°19'06", long 94°00'16", in NE1/4SE1/4 sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 7.0 mi south or Texarkana.	78.5	1973-95	3-7-96 4-22-96	15.4 15.5
07359770 Caddo River near Amity	Ouachita River	Lat 34°17'05", long 93°24'56", in NW1/4SE1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.	292	1987-95	5-30-95 12-5-95 8-21-96	[d]206 56.0 76.8
07362550 Moro Creek near Banks	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.	385	1958-63[c] 1974-95	1-25-96 7-18-96	24.0 [b]0.5
07363270 Hurricane Creek near Sardis	Saline River	Lat 34°30'40", long 92°24'54", in SW1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	66.0	1974-95	10-27-95 1-26-96 5-24-96 9-13-96	114 42.6 13.6 11.0
07364115 Bayou Bartholomew near Ladd	Ouachita River	Lat 34°06'24", long 92°54'06", in NW1/4 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi south of Ladd.	[a]	1968, 1974-95	10-24-95 12-12-95 4-1-96 7-16-96 9-9-96	0 25.0 225 [b]3.0 [b]0.5
07364600 Bayou De Loutre near El Dorado	Ouachita River	Lat 33°05'55", long 92°35'32", in SE1/4NW1/4 sec.6. T.19 S., R.14 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 8.5 mi southeast of El Dorado.	78.4	1959-64, 1971-75, 1978-85, 1990-95	12-14-95 4-3-96 9-11-96	26.2 87.7 [b]20

a Not determined.

b Estimated.

c Operated as a low-flow partial-record station.

d Not previously published.

e Operated as a continuous-record station.

f Operated as a stage station by U.S. Army Corps of Engineers.

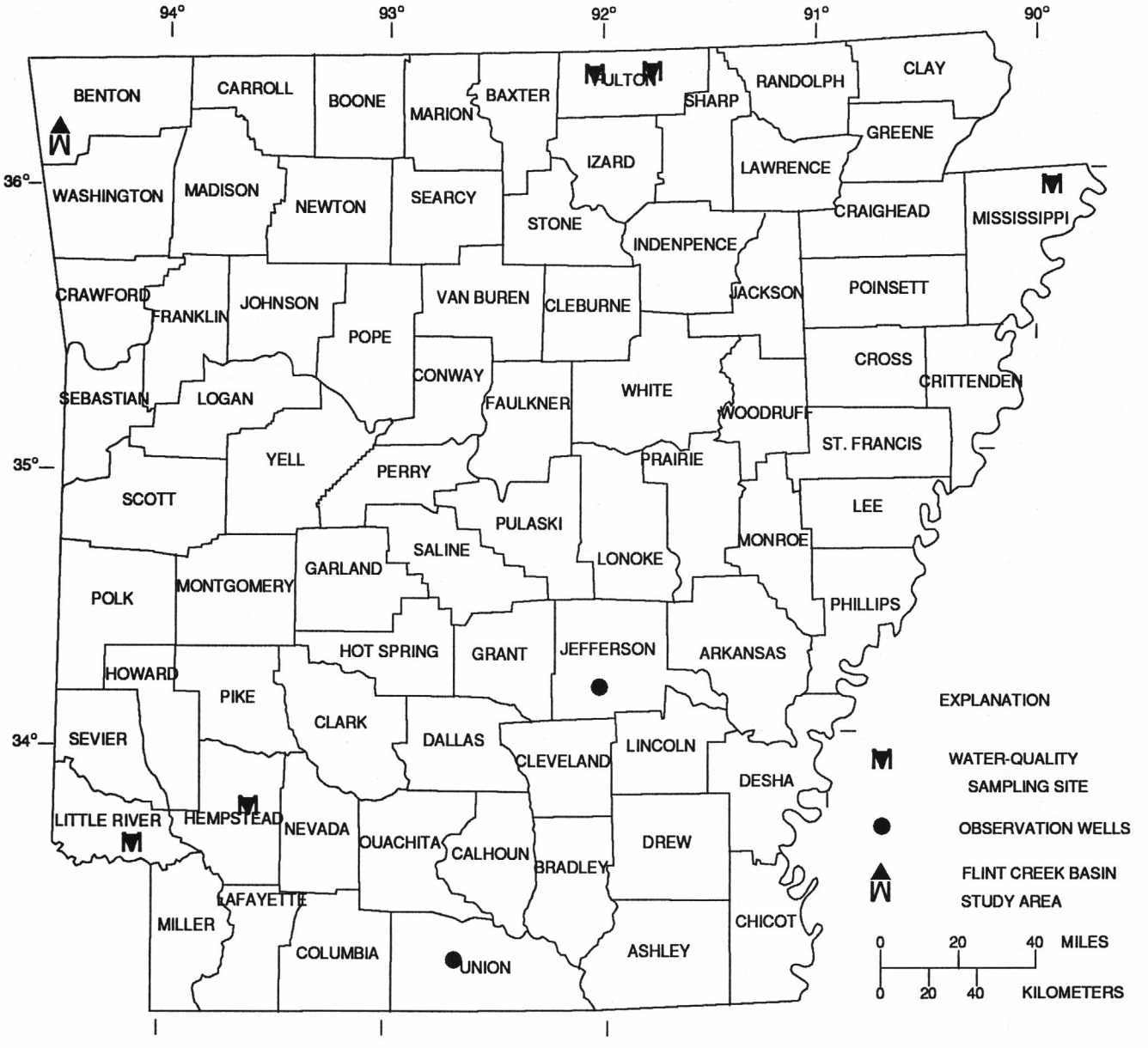

Figure 6. Locations of water-quality sampling sites and observation wells in Arkansas.

BENTON COUNTY
Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
361540094130701	08-29-96	1100	80513	80020	--	--	--	1100	--	--	327
361545094251501	07-25-95	1530	80513	80020	--	--	--	1195	--	--	--
	07-01-96	1100	80513	80020	--	--	--	1195	--	--	--
361547094251401	04-18-95	1100	80513	80020	16.14	16	7.5	1205	--	--	--
	07-25-95	1500	80513	80020	16.14	16	7.5	1205	--	--	--
	07-03-96	1000	80513	80020	16.14	16	7.5	1205	--	--	V1600
361547094251403	08-01-95	1500	80513	80020	150.00	150	130	1205	--	2.0	767
	09-05-95	1005	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1010	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1030	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1050	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1110	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1300	80513	80020	150.00	--	--	1205	--	--	--
361617094245401	04-18-95	1500	80513	80020	55.00	50	14	1215	--	--	--
	07-19-95	0900	80513	80020	55.00	50	14	1215	--	--	399
	09-05-95	1020	80513	80020	55.00	--	--	1215	--	--	--
	09-05-95	1030	80513	80020	55.00	--	--	1215	--	--	--
	09-05-95	1040	80513	80020	55.00	--	--	1215	--	--	--
	07-16-96	1100	80513	80020	55.00	55	14	1215	--	2.5	332
361618094245501	04-19-95	1000	80513	80020	9.65	9.6	4.6	1210	--	--	--
	07-25-95	1300	80513	80020	9.65	9.6	4.6	1210	--	--	--
361631094240601	04-24-95	1500	80513	80020	200.00	200	160	1350	--	--	--
	07-18-95	1600	80513	80020	200.00	200	160	1350	--	--	V2000
	09-05-95	1010	80513	80020	200.00	--	--	1350	--	--	--
	09-05-95	1050	80513	80020	200.00	--	--	1350	--	--	--
	07-18-96	1000	80513	80020	200.00	203	160	1350	--	2.0	V3020
361631094240602	08-02-95	1100	80513	80020	67.10	67	56	1350	--	--	V1350
	07-17-96	1700	80513	80020	67.10	--	57	1350	--	--	V1510
361649094242901	04-19-95	1200	80513	80020	5.32	5.3	3.0	1235	--	--	--
	07-25-95	1000	80513	80020	5.32	5.3	3.0	1235	--	--	--
	09-05-95	1005	80513	80020	5.32	--	--	1235	--	--	--
	07-02-96	1300	80513	80020	5.32	5.3	3.0	1235	--	--	502
361745094234901	04-25-95	1100	80513	80020	120.00	120	80	1305	--	--	V2100
	07-18-95	1000	80513	80020	120.00	120	80	1305	--	2.0	V749
	09-05-95	1010	80513	80020	120.00	--	--	1305	--	--	--
	09-05-95	1020	80513	80020	120.00	--	--	1305	--	--	--
	09-05-95	1045	80513	80020	120.00	--	--	1305	--	--	--
	08-15-96	1400	80513	80020	120.00	120	80	1305	--	0.5	V1100
361745094234902	04-25-95	1400	80513	80020	34.20	34	24	1305	--	--	273
	07-19-95	1100	80513	80020	34.20	34	24	1305	--	2.0	256
	07-29-96	1400	80513	80020	34.20	34	34	1305	--	1.0	263
361745094234903	04-25-95	1730	80513	80020	34.65	35	33	1305	59	3.0	268
	07-19-95	1300	80513	80020	34.65	35	33	1305	12	2.0	258
	07-30-96	1000	80513	80020	34.65	35	33	1305	--	3.0	215
361804094233601	04-11-95	1030	80513	80020	29.68	30	20	1330	--	2.5	--
	07-19-95	1500	80513	80020	29.68	30	20	1330	--	2.0	156
	07-16-96	1500	80513	80020	29.68	30	20	1330	--	1.0	165
361804094233602	04-11-95	1300	80513	80020	120.00	120	80	1330	--	--	--
	07-18-95	1400	80513	80020	120.00	120	80	1330	--	--	251
	09-05-95	1010	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1030	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1040	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1108	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1200	80513	80020	120.00	--	--	1330	--	--	--
	07-16-96	1600	80513	80020	120.00	120	80	1330	--	1.0	253

STATION NUMBER	DATE	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
361540094130701	08-29-96	7.2	26.0	14.5	7.3	59	1.5	4.0	1.1	129	5.7
361545094251501	07-25-95	6.8	--	20.0	4.7	32	1.6	3.8	2.5	72	2.4
	07-01-96	6.9	--	17.5	3.9	36	1.7	4.2	2.6	87	2.3
361547094251401	04-18-95	V12.3	--	13.0	0.8	V180	<0.03	V55	V99	--	81
	07-25-95	V12.5	--	--	--	V260	<0.10	V620	V1300	--	2.0
	07-03-96	--	25.5	16.0	10.6	V84	0.01	V31	V35	--	40
361547094251403	08-01-95	V9.0	30.0	17.0	0.8	33	3.6	V42	V83	--	110
361617094245401	04-18-95	7.5	--	13.5	2.3	48	1.5	4.8	2.6	--	3.3
	07-19-95	7.0	24.0	14.5	2.4	74	2.5	7.3	0.80	196	5.2
	07-16-96	7.3	--	13.5	0	61	2.9	8.8	0.80	158	3.1
361618094245501	04-19-95	--	--	--	--	81	4.0	9.8	3.9	--	20
	07-25-95	7.6	--	--	--	89	3.5	10	3.4	--	23
361631094240601	04-24-95	--	--	--	--	41	0.29	V43	V27	--	18
	07-18-95	V12.4	32.0	17.5	2.2	70	0.03	V95	0.80	--	38
	07-18-96	V12.3	--	18.5	0.3	96	<0.03	V120	V14	--	24
361631094240602	08-02-95	V12.6	26.5	--	--	V590	<0.10	V270	V560	--	1.6
	07-17-96	V11.6	--	--	--	V95	0.28	V110	V23	--	V290
361649094242901	04-19-95	7.1	--	13.5	0.8	79	2.2	5.9	1.3	--	6.6
	07-25-95	7.3	--	23.0	2.4	78	1.5	7.2	1.3	259	6.9
	07-02-96	7.4	25.5	19.5	0.4	68	1.1	20	1.4	216	9.1
361745094234901	04-25-95	V12.1	--	15.0	--	83	0.04	V87	V65	--	53
	07-18-95	V11.1	40.0	17.0	0.4	1.8	0.43	V100	V43	--	46
	08-15-96	V7.0	32.0	18.5	0.3	47	21	V160	V9.7	V438	7.3
361745094234902	04-25-95	6.9	--	15.5	6.8	49	0.86	4.5	0.50	--	1.1
	07-19-95	6.7	--	15.5	8.1	46	0.84	4.7	0.50	101	1.8
	07-29-96	6.6	--	15.5	7.6	51	0.92	4.8	0.50	--	1.7
361745094234903	04-25-95	6.9	--	15.5	7.3	48	0.81	4.4	0.50	--	1.6
	07-19-95	6.8	--	15.0	8.1	48	0.81	4.4	0.70	105	1.7
	07-30-96	6.6	--	15.0	7.8	48	0.86	4.7	0.50	--	1.6

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
361804094233601	04-11-95	6.0	--	14.0	7.9	26	1.0	3.9	1.6	--	2.8
	07-19-95	6.2	28.0	14.5	9.0	27	0.82	3.6	1.2	54	2.0
	07-16-96	6.2	--	14.5	8.0	25	0.87	3.6	1.3	68	0.90
361804094233602	04-11-95	V11.7	--	14.5	4.6	57	1.1	11	V16	--	66
	07-18-95	V9.1	29.0	16.0	1.4	6.5	1.6	33	V27	129	9.8
	07-16-96	V9.3	--	16.5	0	2.8	0.65	41	V18	--	8.9

STATION NUMBER	DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
361540094130701	08-29-96	7.0	<0.10	--	8.9	188	<0.010	4.50	<0.015	<0.20	0.020
361545094251501	07-25-95	6.4	--	0.030	9.5	120	<0.010	2.50	0.040	<0.20	0.030
	07-01-96	6.8	<0.10	0.030	9.7	141	<0.010	2.90	0.030	<0.20	0.050
361547094251401	04-18-95	9.4	0.70	<0.010	7.3	V788	1.40	18.0	0.180	1.0	0.020
	07-25-95	5.7	0.60	0.39	<0.10	V6290	0.020	0.220	1.20	4.9	<0.010
	07-03-96	4.7	0.40	--	11	V396	1.90	5.30	1.50	2.6	<0.010
361547094251403	08-01-95	13	0.20	<0.010	7.2	455	V1.00	V28.0	V0.170	0.50	0.010
361617094245401	04-18-95	5.4	0.10	0.030	9.8	150	0.020	0.560	0.040	<0.20	0.020
	07-19-95	5.4	0.40	0.060	10	236	<0.010	0.130	<0.015	<0.20	<0.010
	07-16-96	4.9	0.50	0.050	9.2	205	0.010	0.130	0.060	<0.20	<0.010
361618094245501	04-19-95	17	<0.10	0.050	13	342	0.030	16.0	0.260	0.40	0.010
	07-25-95	22	<0.10	0.050	14	462	0.040	24.0	0.510	0.70	0.020
361631094240601	04-24-95	14	0.10	0.040	10	193	0.880	1.30	0.060	0.40	0.010
	07-18-95	13	0.30	0.020	21	V588	0.350	0.570	0.160	0.40	<0.010
	07-18-96	8.5	0.40	--	4.7	V688	0.020	0.100	0.530	V2.1	<0.010
361631094240602	08-02-95	<0.10	0.50	<0.010	0.60	V3320	0.020	0.110	0.490	V3.7	0.020
	07-17-96	5.5	0.30	--	11	V844	1.90	2.30	0.930	V3.3	<0.010
361649094242901	04-19-95	4.7	<0.10	0.040	8.9	246	<0.010	0.110	0.140	0.20	<0.010
	07-25-95	4.7	--	0.030	10	250	0.010	0.090	0.220	0.40	0.020
	07-02-96	5.5	0.10	0.010	9.9	278	<0.010	0.060	0.210	0.40	0.020
361745094234901	04-25-95	8.9	1.0	<0.010	8.5	552	<0.010	0.940	0.180	0.30	<0.010
	07-18-95	11	1.7	<0.010	35	340	0.780	0.800	0.080	0.20	<0.010
	08-15-96	16	2.0	0.10	13	652	0.010	<0.050	0.110	<0.20	0.020
361745094234902	04-25-95	7.6	<0.10	0.060	11	164	<0.010	3.40	<0.015	<0.20	<0.010
	07-19-95	7.7	<0.10	0.070	10	170	<0.010	3.40	<0.015	<0.20	<0.010
	07-29-96	8.1	<0.10	0.060	11	167	0.010	3.10	0.020	<0.20	<0.010
361745094234903	04-25-95	7.8	<0.10	0.060	11	161	<0.010	3.50	<0.015	<0.20	<0.010
	07-19-95	7.7	<0.10	0.060	11	163	<0.010	3.30	0.020	<0.20	<0.010
	07-30-96	7.8	<0.10	0.060	11	159	0.010	3.50	<0.015	<0.20	<0.010
361804094233601	04-11-95	5.4	<0.10	0.60	12	1460	<0.010	2.40	<0.015	<0.20	<0.010
	07-19-95	5.6	<0.10	0.040	11	107	<0.010	2.40	0.030	<0.20	<0.010
	07-16-96	5.7	<0.10	0.22	12	111	<0.010	3.00	0.040	<0.20	<0.010
361804094233602	04-11-95	6.0	0.20	<0.010	16	371	0.010	2.40	0.020	0.40	<0.010
	07-18-95	5.3	0.70	0.020	13	166	0.660	1.20	0.080	<0.20	0.020
	07-16-96	5.2	1.5	0.020	11	160	<0.010	0.100	0.120	<0.20	0.090

STATION NUMBER	DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	TRITIUM TOTAL (PCI/L) (07000)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
361540094130701	08-29-96	0.030	3.0	<1	<3.0	<1.0	--	--	<0.035	<0.035	<0.035
361545094251501	07-25-95	0.050	30	<1	41	10	1.0	30	<0.035	<0.035	<0.035
	07-01-96	0.040	--	--	<3.0	5.0	0.90	30	--	--	--
361547094251401	04-18-95	<0.010	V640	<1	89	<3.0	--	14	<0.035	<0.035	<0.035
	07-25-95	<0.010	--	--	50	<10	--	--	--	--	--
	07-03-96	<0.010	--	--	23	<1.0	V3.4	16	--	--	--
361547094251403	08-01-95	0.020	--	--	17	2.0	--	13	--	--	--
361617094245401	04-18-95	0.020	10	<1	25	6.0	--	22	<0.035	<0.035	<0.035
	07-19-95	<0.010	<10	2	9.0	28	--	25	<0.035	<0.035	<0.035
	07-16-96	<0.010	--	--	63	59	--	23	--	--	--
361618094245501	04-19-95	0.030	<10	<1	7.0	930	--	--	--	--	--
	07-25-95	0.030	--	--	4.0	700	--	--	--	--	--
361631094240601	04-24-95	<0.010	V50	<1	6.0	<1.0	V96	34	<0.035	<0.035	<0.035
	07-18-95	<0.010	V230	1	8.0	<3.0	--	29	<0.035	<0.035	<0.035
	07-18-96	<0.010	--	--	<9.0	<3.0	--	--	--	--	--
361631094240602	08-02-95	<0.010	--	--	20	<10	--	--	--	--	--
	07-17-96	<0.010	--	--	14	<1.0	--	21	--	--	--
361649094242901	04-19-95	<0.010	10	<1	220	720	--	19	--	--	--
	07-25-95	<0.010	20	<1	14	410	1.7	--	<0.052	<0.052	<0.052
	09-05-95	--	--	--	--	--	--	--	--	--	--
	07-02-96	<0.010	--	--	910	250	--	17	--	--	--
361745094234901	04-25-95	<0.010	110	<1	7.0	<1.0	V17	15	<0.035	<0.035	<0.035
	07-18-95	0.010	50	1	14	<1.0	--	12	<0.035	<0.035	<0.035
	08-15-96	<0.010	--	--	100	2.0	--	<2.5	--	--	--
361745094234902	04-25-95	<0.010	190	<1	11	1.0	0.90	35	<0.035	<0.035	<0.035
	07-19-95	<0.010	20	<1	<3.0	<1.0	0.30	38	<0.035	<0.035	<0.035
	07-29-96	0.010	--	--	3.0	<1.0	--	34	--	--	--
361745094234903	04-25-95	<0.010	<10	<1	<3.0	2.0	0.30	37	<0.035	<0.035	<0.035
	07-19-95	0.010	10	<1	<3.0	1.0	--	36	<0.035	<0.035	<0.035
	07-30-96	<0.010	--	--	9.0	<1.0	--	32	--	--	--
361804094233601	04-11-95	<0.010	20	<1	13	56	0.30	37	<0.035	<0.035	<0.035
	07-19-95	0.020	<10	<1	<3.0	4.0	0.20	37	<0.035	<0.035	<0.035
	07-16-96	0.020	--	--	5.0	<1.0	--	35	--	--	--
361804094233602	04-11-95	<0.010	V40	<1	23	21	0.70	36	<0.035	<0.035	<0.035
	07-18-95	<0.010	V130	5	33	17	0.70	23	<0.035	<0.035	<0.035
	07-16-96	0.030	--	--	7.0	9.0	--	19	--	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLOR-AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
361540094130701	08-29-96	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	E0.004	<0.002
361545094251501	07-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	0.003	<0.002
	07-01-96	<0.002	--	<0.002	--	--	--	<0.002	--	0.009	E0.007
361547094251401	04-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-03-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361617094245401	04-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361631094240601	04-24-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361631094240602	07-17-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361649094242901	07-25-95	<0.002	<0.052	<0.002	<0.024	<0.031	<0.024	<0.002	<0.016	<0.001	E0.006
	07-02-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234901	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	08-15-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234902	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-29-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234903	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-30-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361804094233601	04-11-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361804094233602	04-11-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002

STATION NUMBER	DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)
361540094130701	08-29-96	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
361545094251501	07-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-01-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361547094251401	04-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-03-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361617094245401	04-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361631094240601	04-24-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361631094240602	07-17-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361649094242901	07-25-95	<0.002	<0.021	<0.052	<0.052	<0.002	<0.003	<0.012	<0.003	<0.041	<0.021
	07-02-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234901	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	08-15-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234902	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-29-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234903	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-30-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361804094233601	04-11-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361804094233602	04-11-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--

STATION NUMBER	DATE	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)
361540094130701	08-29-96	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
361545094251501	07-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-01-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361547094251401	04-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-03-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361617094245401	04-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361631094240601	04-24-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361631094240602	07-17-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361649094242901	07-25-95	<0.052	<0.004	<0.074	<0.004	<0.025	<0.002	<0.006	<0.002	<0.052	<0.030
	07-02-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361745094234901	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	08-15-96	--	<0.004	--	<0.004	--	E0.004	E0.002	<0.002	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	CHLORO-THALO-NIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)
361745094234902	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-29-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361745094234903	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-30-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361804094233601	04-11-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	E0.001	<0.002	--	--
361804094233602	04-11-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--

STATION NUMBER	DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ESFEN-VAL-ERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
361540094130701	08-29-96	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
361545094251501	07-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	E0.010	<0.002	<0.019	<0.004	<0.003
	07-01-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361547094251401	04-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-03-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361617094245401	04-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361631094240601	04-24-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361631094240602	07-17-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361649094242901	07-25-95	<0.047	<0.001	<0.003	<0.052	<0.017	<0.030	<0.002	<0.028	<0.004	<0.003
	07-02-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003

STATION NUMBER	DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ESFEN-VAL-ERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
361745094234901	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	08-15-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361745094234902	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-29-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361745094234903	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-30-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361804094233601	04-11-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361804094233602	04-11-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003

STATION NUMBER	DATE	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FONOFOS WATER DISS REC (UG/L) (04095)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)
361540094130701	08-29-96	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
361545094251501	07-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-01-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361547094251401	04-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-03-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361617094245401	04-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361631094240601	04-24-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361631094240602	07-17-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361649094242901	07-25-95	<0.019	<0.003	<0.052	<0.004	<0.002	<0.027	<0.005	<0.074	<0.052	<0.038
	07-02-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234901	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	08-15-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234902	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-29-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234903	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-30-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361804094233601	04-11-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361804094233602	04-11-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
361540094130701	08-29-96	<0.017	<0.001	--	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
361545094251501	07-25-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-01-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361547094251401	04-18-95	<0.017	<0.001	0.05	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-03-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361547094251403	08-01-95	--	--	0.05	--	--	--	--	--	--
361617094245401	04-18-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	0.02	<0.006	<0.002	E0.004	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361631094240601	04-24-95	<0.017	<0.001	0.04	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	0.04	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361631094240602	07-17-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361649094242901	04-19-95	--	--	0.25	--	--	--	--	--	--
	07-25-95	<0.025	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.010	<0.003
	07-02-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361745094234901	04-25-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	0.04	<0.006	<0.002	0.140	<0.004	<0.007	<0.003
	08-15-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361745094234902	04-25-95	<0.017	<0.001	0.03	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-29-96	--	<0.001	--	<0.006	E0.002	<0.004	<0.004	--	<0.003
361745094234903	04-25-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-30-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361804094233601	04-11-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361804094233602	04-11-95	<0.017	<0.001	0.10	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	<0.02	<0.006	<0.002	0.032	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003

STATION NUMBER	DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
361540094130701	08-29-96	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
361545094251501	07-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-01-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361547094251401	04-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-03-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361617094245401	04-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361631094240601	04-24-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361631094240602	08-02-95	--	--	--	--	--	--	--	--	--
	07-17-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361649094242901	04-19-95	--	--	--	--	--	--	--	--	--
	07-25-95	<0.022	<0.036	<0.052	<0.028	<0.027	<0.004	<0.004	<0.004	<0.005
	09-05-95	--	--	--	--	--	--	--	--	--
	07-02-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005

STATION NUMBER	DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
361745094234901	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	08-15-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361745094234902	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-29-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361745094234903	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-30-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361804094233601	04-11-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361804094233602	04-11-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005

STATION NUMBER	DATE	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
361540094130701	08-29-96	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
361545094251501	07-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-01-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361547094251401	04-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-03-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361617094245401	04-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
361631094240601	04-24-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361631094240602	07-17-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361649094242901	07-25-95	<0.074	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.052	<0.052
	07-02-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234901	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	08-15-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234902	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-29-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234903	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-30-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361804094233601	04-11-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361804094233602	04-11-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--

STATION NUMBER	DATE	SILVEX, DIS-SOLVED (UG/L) (39762)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
361540094130701	08-29-96	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
361545094251501	07-25-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-01-96	--	<0.005	E0.007	<0.007	<0.013	<0.002	<0.001	--	<0.002
361547094251401	04-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-03-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361617094245401	04-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361631094240601	04-24-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361631094240602	07-17-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361649094242901	07-25-95	<0.031	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.074	<0.002
	07-02-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234901	04-25-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	08-15-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234902	04-25-95	<0.021	<0.005	0.110	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.120	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-29-96	--	<0.005	0.191	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234903	04-25-95	<0.021	<0.005	0.120	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.150	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-30-96	--	<0.005	0.061	<0.007	<0.013	<0.002	<0.001	--	<0.002
361804094233601	04-11-95	<0.021	<0.005	0.053	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.097	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	0.049	<0.007	<0.013	<0.002	<0.001	--	<0.002
361804094233602	04-11-95	<0.021	<0.005	0.088	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	0.074	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.

LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply well, depth 1,280 ft.
DATUM.--Land surface, 660 ft above sea level.
REMARKS.--Water-quality records for January 1969, April 1975, June 1982, July 1991, and June 1996 are available in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 17...	1100	1280	660	80513	81213	450	7.2	747	17.0	5	240

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 17...	1100	50	28	1.3	1	0.0	1.0	219	1.7	1.8	<0.10

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
JUN 17...	1100	9.4	238	225	0.32	<0.010	0.140	<0.010	<0.20	<0.010	20

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 17...	1100	<0.50	12	<0.50	<1.0	<3.0	2.9	<3.0	<1.0	<1	<0.20

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 17...	1100	<2.0	<1.0	<1.0	30	<1	1.3	3.0	1.4	1.8	2.3

362359091590001. Local number, 20N09W18ACB1.

LOCATION.--Lat 36°23'59", long 90°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 8 in, depth 950 ft.
DATUM.-- Land surface, 860 ft above sea level. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982, July 1987, July 1992, and June 1996 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to March 1990, July 1992 and current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 125.76 ft below land surface, July 7, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JUN 17...	1340	950.00	860	80513	81213	358	7.6	740	18.0	<5

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUN 17...	1340	190	39	22	1.6	2	0.0	1.7	195	1.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
JUN 17...	1340	1.9	<0.10	11	192	196	0.26	<0.010	0.080	<0.010

FULTON COUNTY--CONTINUED

362359091590001. Local number, 20N09W18ACB1.--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)
JUN 17...	1340	<0.20	0.010	0.03	28	<0.50	11	<0.50	<1.0

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
JUN 17...	1340	<3.0	1.1	4.0	<1.0	1	0.40	<2.0	<1.0

DATE	TIME	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANADIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 17...	1340	<1.0	30	<1	12	3.2	4.6	2.6	2.1

HEMPSTEAD COUNTY

334337093380001. Local number, 12S25W12AAA1.

LOCATION.--Lat 33°43'37", long 93°38'00", Hydrologic Unit 11140201, at Hope (city well No. 3).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 24 in, depth 1,170 ft.
DATUM.--Land surface, 368 ft above sea level.
PERIOD OF RECORD.--September 1980, September 1990, and June 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
JUN 18...	1345	1134	368	80513	81213	524	8.0	752	23.0	5

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JUN 18...	1345	190	70	4.0	38	30	1	2.4	230	20

DATE	TIME	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
JUN 18...	1345	18	0.10	35	322	326	0.44	<0.010	<0.020	0.100

DATE	TIME	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)
JUN 18...	1345	0.13	<0.20	0.050	0.15	18	<0.50	90	<0.50	<1.0

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
JUN 18...	1345	<3.0	35	160	2.0	20	13	<2.0	<1.0

DATE	TIME	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANADIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 18...	1345	<1.0	420	<1	2.3	3.6	2.2	3.3	5.1

JEFFERSON COUNTY

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 Ecocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 1,106 ft, cased 0-1,017 ft, 1,033-1053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.-- Land surface, 202.42 ft above sea level. Measuring point: Top of casing , 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1982, July 1987, July 1992, and June 1996 are in files of district office.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 251.40 ft below land surface, Jan. 19, 1996.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	248.35	DEC 20	248.30	FEB 21	249.50	APR 15	245.20	AUG 21	239.90
NOV 22	248.50	JAN 19	251.40	MAR 21	247.10	MAY 27	247.90		

LITTLE RIVER COUNTY

334202094084501. Local number 12S30W19CCA1

LOCATION.--Lat 33°42'02", long 94°08'45", Hydrologic Unit 11140109, at Ashdown (Mesamore well).
Owner: City of Ashdown.
AQUIFER.--Terrace Deposits of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 90 ft, cased 0-61 ft, screened 61-90 ft.
DATUM.--Land surface, 327 ft above sea level.
REMARKS.--Water-quality records for June 1996 are in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 19...	0930	327	80513	81213	264	7.5	753	20.0	5	100

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN 19...	0930	32	6.0	12	20	0.5	0.60	90	11	12

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)
JUN 19...	0930	0.10	41	182	173	0.25	<0.010	0.770	0.020	0.03

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JUN 19...	0930	<0.20	0.240	0.74	170	<0.50	25	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUN 19...	0930	<3.0	2.6	100	<1.0	10	39	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 19...	0930	<1.0	140	1	18	2.6	0.3	1.3	1.5

MISSISSIPPI COUNTY

355323089552101. Local number, 15N11E28CAC1.

LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand , Wilcox Group of Ecocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 8 in, depth 1,400 ft, cased 0-1,337 ft, screened 1,337-1,400 ft.
DATUM.--Land surface, 250 ft above sea level. Measuring point: Remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, June 1982, July 1987, July 1992, and August 1996 are available in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
AUG 07...	1300	1400	250	80513	81213	219	6.7	762	23.5	50

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
AUG 07...	1300	27	7.5	2.0	31	68	3	3.6	80	10

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
AUG 07...	1300	1.0	0.10	11	124	118	0.17	<0.010	<0.020	0.240

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
AUG 07...	1300	0.31	<0.20	0.010	0.03	99	<0.50	74	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 07...	1300	<3.0	<1.0	3200	1.4	26	120	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
AUG 07...	1300	<1.0	330	<1	2.4	4.1	<1.4	1.5	0.86

UNION COUNTY

331438092411901. Local number, 17S15W18DBB1.

LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, at El Dorado.
Owner: Monsanto Chemical Company.
AQUIFER.--Sparta Sand of Ecocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.--Land surface, 182.93 ft above sea level. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.00 ft below land surface, 1942; lowest, 381.37 ft below land surface, Apr. 29, 1993.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	353.40	JAN 22	352.54	MAR 20	355.86	MAY 24	360.24	JUL 20	359.30
DEC 20	352.26	FEB 20	355.42	APR 20	356.02	JUN 20	359.17	AUG 20	359.39
SEP 21	359.31								

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY

PRECIPITATION QUALITY, October 1995 TO July 1996

LOCATION.--Lat 34°10'45", long 93°05'54", in NW¼NW¼ sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to July 1996.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain onsite precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Colorado 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Data can be obtained from the NADP/NTN home page on the World Wide Web (http://nadp.nrel.colostate.edu/NADP). Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey.

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIPITATION FOR DEFINED PERIOD (IN) (00193)	COLLECTOR EFFICIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUCTANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUCTANCE LAB ATM DEP WET TOT (US/CM) (83156)
OCT 1995 03-10	0900-0900	300	17003	--	--	--	5.57	--	2.6
OCT 10-17	0900-0900	300	17003	0.0	--	--	5.53	--	2.2
OCT 17-24	0900-0900	300	17003	0.10	66	4.88	7.00	56.2	52.7
OCT 24-31	0900-0900	300	17003	0.90	100	5.00	5.48	10.0	6.8
OCT 31-NOV 07	0900-0900	300	17003	2.14	100	4.99	4.78	9.2	10.4
NOV 07-14	0900-0900	300	17003	0.50	100	5.04	5.08	13.5	14.2
NOV 14-21	0900-0900	300	17003	0.0	--	--	--	--	--
NOV 21-28	0900-0900	300	17003	0.02	95	--	4.45	--	37.0
NOV 28-DEC 05	0900-0900	300	17003	0.02	120	--	4.84	--	20.6
DEC 05-12	0900-0900	300	17003	1.26	101	4.39	4.33	20.5	25.9
DEC 12-19	0900-0900	300	17003	1.68	101	4.68	4.72	13.9	11.3
DEC 19-26	0900-0900	300	17003	0.0	--	--	5.58	--	4.2
DEC 26 1995-JAN 02 1996	0900-0900	300	17003	1.50	101	4.42	4.40	17.8	22.0
JAN 02-09	0900-0900	300	17003	0.10	61	4.00	4.06	49.4	47.6
JAN 09-16	0900-0900	300	17003	--	--	--	3.98	--	70.2
JAN 16-23	0900-0900	300	17003	0.83	100	5.41	6.06	5.7	5.9
JAN 23-30	0900-0915	300	17003	0.32	96	4.81	4.71	11.8	12.8
JAN 30-FEB 06	0915-0930	300	17003	0.15	103	4.49	4.53	21.9	23.5
FEB 06-13	0930-0900	300	17003	0.01	124	--	4.06	--	60.4
FEB 13-20	0900-0915	300	17003	2.30	99	5.40	6.61	12.4	13.0
FEB 20-27	0915-0945	300	17003	0.0	--	--	--	--	--
FEB 27-MAR 05	0945-0900	300	17003	1.25	98	5.18	5.00	11.6	11.8
MAR 05-12	0900-0930	300	17003	0.11	101	5.57	6.29	32.7	34.0
MAR 12-19	0930-0900	300	17003	1.27	99	4.71	4.65	22.6	16.3
MAR 19-26	0900-0900	300	17003	--	--	5.61	5.52	9.4	7.5
MAR 26-APR 02	0900-0900	300	17003	--	--	4.37	4.30	24.6	26.0
APR 02-09	0900-0930	300	17003	0.08	111	4.95	4.83	23.7	25.2
APR 09-16	0930-0900	300	17003	2.05	96	5.01	4.97	11.7	13.2
APR 16-23	0900-0900	300	17003	0.55	104	5.24	5.47	18.4	17.9
APR 23-30	0900-0900	300	17003	0.43	101	5.18	4.85	32.1	16.3
APR 30-MAY 07	0900-0900	300	17003	4.37	97	5.06	4.86	13.9	11.1
MAY 07-14	0900-0900	300	17003	2.01	100	5.15	4.86	12.0	13.9
MAY 14-21	0900-0900	300	17003	--	--	--	4.50	--	19.7
MAY 21-28	0900-0900	300	17003	1.18	98	4.95	4.83	14.0	14.9
MAY 28-JUN 04	0900-0900	300	17003	0.95	82	--	--	--	--

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY--CONTINUED

PRECIPITATION QUALITY, October 1995 TO July 1996

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHORUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
OCT 1995 03-10	0.010	0.003	0.016	0.109	0.030	0.23	0.16	<0.03	0.008
OCT 10-17	0.010	0.006	0.043	0.121	0.100	0.21	0.13	<0.03	0.006
OCT 17-24	1.58	1.09	8.25	1.41	0.110	0.11	2.48	7.30	0.062
OCT 24-31	0.310	0.073	0.333	0.123	<0.020	0.55	0.20	0.94	<0.003
OCT 31-NOV 07	0.130	0.015	0.010	0.120	0.170	0.64	0.16	0.92	<0.003
NOV 07-14	0.400	0.100	0.263	0.764	0.220	0.93	1.20	1.50	<0.003
NOV 14-21	--	--	--	--	--	--	--	--	--
NOV 21-28	1.25	0.127	0.085	0.810	0.890	4.94	0.81	4.36	<0.012
NOV 28-DEC 05	1.09	0.075	0.067	0.297	0.470	2.77	0.25	3.02	<0.008
DEC 05-12	0.140	0.014	0.025	0.070	0.360	1.25	0.09	2.63	<0.003
DEC 12-19	0.080	0.012	0.019	0.110	0.140	0.73	0.17	0.95	<0.003
DEC 19-26	0.070	0.013	0.163	0.399	0.110	0.15	0.58	0.06	<0.003
DEC 26 1995-JAN 02 1996	0.060	0.009	0.012	0.043	0.280	1.30	0.08	1.72	<0.003
JAN 02-09	0.100	0.025	0.062	0.182	0.920	4.33	0.24	3.46	<0.003
JAN 09-16	0.500	0.183	0.160	1.33	0.690	8.92	2.12	2.52	<0.017
JAN 16-23	0.430	0.043	0.073	0.219	<0.020	<0.03	0.34	0.60	<0.003
JAN 23-30	0.080	0.029	0.047	0.245	0.250	0.60	0.34	1.39	<0.003
JAN 30-FEB 06	0.680	0.070	0.055	0.181	0.310	2.42	0.18	2.63	<0.003
FEB 06-13	0.130	0.134	0.114	1.11	2.21	6.48	1.27	4.48	<0.020
FEB 13-20	1.12	0.112	0.106	0.401	0.290	0.92	0.39	1.73	<0.003
FEB 20-27	--	--	--	--	--	--	--	--	--
FEB 27-MAR 05	0.340	0.060	0.053	0.421	0.300	0.89	0.59	1.59	<0.003
MAR 05-12	2.89	0.179	0.155	0.787	1.58	5.01	0.79	5.67	<0.003
MAR 12-19	0.250	0.020	0.015	0.082	0.510	1.60	0.09	1.73	<0.003
MAR 19-26	0.270	0.050	0.083	0.261	0.230	0.62	0.39	0.93	<0.003
MAR 26-APR 02	0.210	0.021	0.017	0.069	0.290	2.21	0.10	2.15	<0.003
APR 02-09	0.690	0.169	0.356	1.05	0.620	3.13	1.41	2.65	<0.003
APR 09-16	0.320	0.050	0.083	0.298	0.320	1.18	0.42	1.54	<0.003
APR 16-23	0.700	0.194	0.725	0.769	0.410	1.69	1.16	2.36	<0.003
APR 23-30	0.490	0.064	0.075	0.295	0.540	1.72	0.37	2.01	<0.003
APR 30-MAY 07	0.080	0.019	0.220	0.155	0.220	0.72	0.39	0.94	<0.003
MAY 07-14	0.140	0.058	0.143	0.404	0.250	1.11	0.61	1.16	<0.003
MAY 14-21	--	--	--	--	--	--	--	--	--
MAY 21-28	0.390	0.077	0.099	0.366	0.240	1.43	0.51	1.52	<0.003
MAY 28-JUN 04	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIP-ITATION FOR DEFINED PERIOD (IN) (00193)	COL-LECTOR EFFI-CIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUC-TANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUC-TANCE LAB ATM DEP WET TOT (US/CM) (83156)
JUN 1996 04-11	0900-0900	300	17003	0.70	61	--	--	--	--
JUN 11-18	0900-0900	300	17003	0.14	--	--	--	--	--
JUN 18-25	0900-0900	300	17003	0.10	99	4.94	4.79	17.2	18.3
JUN 25-JUL 02	0900-1000	300	17003	1.54	100	4.85	4.79	9.5	9.2

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHORUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
JUN 1996 04-11	--	--	--	--	--	--	--	--	--
JUN 11-18	--	--	--	--	--	--	--	--	--
JUN 18-25	0.520	0.043	0.068	0.167	0.730	3.72	0.43	1.16	<0.003
JUN 25-JUL 02	0.020	0.011	0.016	0.134	0.130	0.56	0.18	0.58	<0.003

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

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

CALENDAR FOR WATER YEAR 1996

1995

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
112	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1996

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

MARCH

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
2	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
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Water Resources Data Arkansas Water Year 1996

by J.E. Porter, D.A. Evans, and L.M. Remsing



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-96-1
Prepared in cooperation with the State of Arkansas and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

GEOLOGICAL SURVEY

Gordon P. Eaton, Director

For information on the water program in Arkansas write to
District Chief, Water Resources Division
U.S. Geological Survey
401 Hardin Road
Little Rock, Arkansas 72211

1997

PREFACE

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for ensuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines.

The data were collected, computed, and processed by the following personnel:

Trish Aldridge
Rick Bell
Troy "Bubba" Brossett
Mark Fredricks
Rene' Freret
Jaysson Funkhouser
Marsha Gipson
Tony Gipson
Alan Hall
Charles Heavener
Mike Hoggard
Jan Jones
Bob Joseph
Ron Knott
Dwight Lasker
Autry Meeker
Matt Moix
Chris O'Dell
Jim Petersen
Tom Porter
Phil Stephens
Sharon Touschner
Faron Usrey

This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of C. Shane Barks, Chief, Hydrologic Surveillance Unit, John E. Terry, Assistant District Chief for Hydrologic Information and Surveillance, and Robert A. (Bob) Lidwin, District Chief, Arkansas.

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Little Rock, Arkansas 72211

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The Water Resources Division of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Arkansas each year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State.

Water resources data reported for the 1996 water year for Arkansas consist of records of discharge and water quality (physical measurements and chemical concentrations) of streams; water quality of lakes; and ground-water levels and ground-water quality. Data from selected sites in Missouri and Oklahoma are also included. This report contains daily discharge records for 47 surface-water gaging stations and 1 daily sediment station; water quality for 69 surface-water stations, 17 ground-water quality wells and springs, 2 ground-water-level observation wells, and 1 precipitation-quality station. Also included are data for 95 peak-discharge partial-record stations and 10 stage-only stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with State and Federal agencies in Arkansas.

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INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with local, State, and other Federal agencies, obtains a large amount of data pertaining to the water resources of Arkansas each water year (October 1 through September 30). These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, these data are published annually in this report series entitled "Water Resources Data-Arkansas" and are stored in the U.S. Geological Survey WATSTORE and U.S. Environmental Protection Agency STORET databases.

Water resources data reported for the 1996 water year for Arkansas consist of records of discharge and water quality (physical measurements and chemical concentrations) of streams; water quality of lakes; and ground-water levels and ground-water quality. Data from selected sites in Missouri and Oklahoma are also included. This report contains daily discharge records for 47 surface-water gaging stations and 1 daily sediment station; water quality for 69 surface-water stations, 17 ground-water quality wells and springs, 2 ground-water-level observation wells, and 1 precipitation-quality station. Also included are data for 95 peak-discharge partial-record stations and 10 stage-only 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.

Records of stream discharge or gage height, and contents, volume, or elevation of lakes were first published in a series of U.S. Geological Survey Water-Supply Papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these Water-Supply Papers were in an annual series and for 1961-65 and 1966-70 were in a 5-year series. Records of chemical constituent concentrations, 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 U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, Colorado, 80225-0286.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual Water-Data Reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate Water-Data Reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an annual Water-Data report on a State-boundary basis. These annual Water-Data 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-96-1. Water-Data Reports are for sale in paper copy or on microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

The Geological Survey and agencies of the State of Arkansas have had cooperative agreements for the systematic collection of surface-water records since 1927, and for collection of ground-water and water-quality records since 1946. Organizations that assisted in collecting information through cooperative agreement with the Geological Survey in water year 1996 are:

Arkansas Department of Pollution Control and Ecology, Randall Mathis, Director.
Arkansas Game and Fish Commission, Steve Wilson, Director.
Arkansas Geological Commission, William Bush, State Geologist.
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director.
Arkansas State Highway and Transportation Department, Maurice Smith, Director.
Arkansas Department of Parks and Tourism, Richard W. Davies, Director
City of Fort Smith, Steve Park, Director of Utilities
Little Rock Municipal Water Works, James T. Harvey, Manager

Assistance in the form of funds or services was provided by the U.S. Army Corps of Engineers, National Weather Service, National Park Service, Natural Resources Conservation Service, Southwest Power Administration, and Arkansas Power and Light Company in collecting records for some of the gaging stations and water-quality stations published in this report. Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Streamflow was below normal in the State for the 1996 water year. Runoff for the year at the index station on the Buffalo River near St. Joe, in northern Arkansas, was 91 percent of median for the base period 1961-90. Runoff at the index station on the Saline River near Rye, in southern Arkansas, was 31 percent of median for the base period 1961-90.

Below average rainfall resulted in below average runoff over the State during the year. However, a storm on September 26 produced seven to ten inches of rainfall in a short period of time in northwestern Arkansas. Mean flow of 2,025 ft^3/s for the month of September at Buffalo River near St. Joe was the highest for the period of record with a new daily maximum of 39,300 ft^3/s occurring September 27. This storm event was localized and no peak discharges exceeded the 10-year recurrence interval at gaging stations in the area.

Monthly and annual mean discharge for the 1996 water year, and the median for the monthly and annual mean discharges for the period 1961-90 at the St. Joe and Rye sites are shown on figure 1.

Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality that is suitable for many uses. Localized stream contamination occurs in some areas of agricultural-chemical use, near large urban areas, and near some industrial areas.

Both point and non-point sources of contamination adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The Mississippi Alluvial Plain in the State is particularly susceptible to non-point source effects because of extensive farming and current agricultural practices.

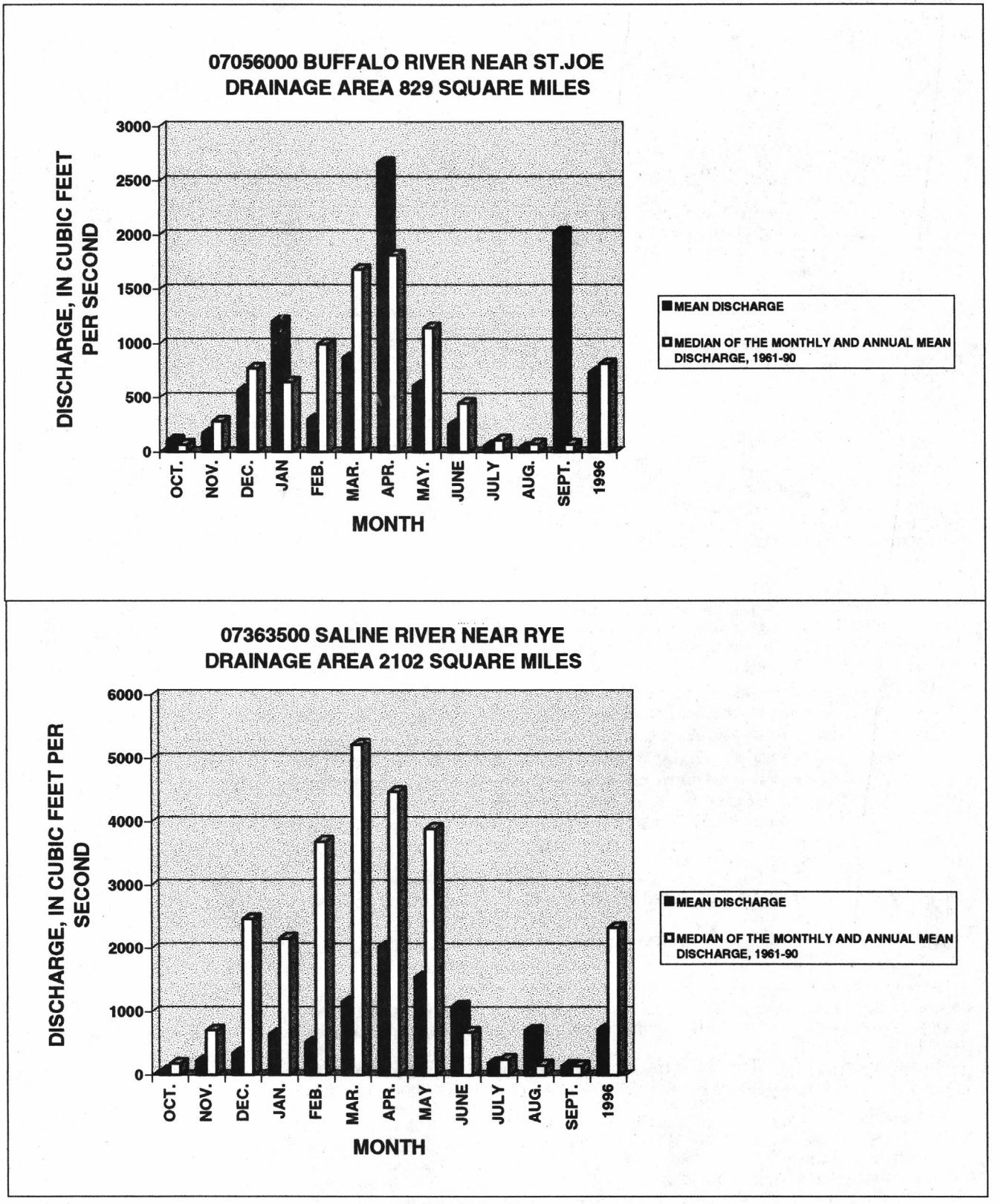


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1996 water year with the median of the monthly and annual mean discharges for a 30-year base period

In the Ozark Plateaus, which are experiencing rapid population growth, surface water locally is affected by both point and non-point sources of contamination. Principal point sources are wastewater-treatment plants. Principal non-point source contributions are related to animal farming practices. Watersheds where point and non-point source contamination is a major concern are the upper White River and Illinois River.

Streams in the West Gulf Coastal Plain of southern Arkansas locally are affected by point sources of contamination, many of which are related to oil and gas production.

Although the Arkansas River and other streams in the Arkansas Valley are affected locally by contaminant sources, they continue to be considered as a source of water for public supply and irrigation. Many of the small streams continue to show effects of coal mining. Municipal and industrial discharges to the Arkansas River may affect its potability, however, upgrading of sewage treatment plants, storage effects of the Arkansas River Navigation System, and tributary dams have moderated the effects of inflowing contaminants.

Concentrations of selected water-quality constituents are listed below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1996 water year are compared to concentrations for the period of record to indicate changes in water quality.

The highest suspended-sediment concentration found in the selected streams in 1996 was 597 mg/L in the Right Hand Chute of Little River at Rivervale. Suspended-sediment concentrations, in millligrams per liter, for selected stream sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
Right Hand Chute of Little River at Rivervale	31	597	25	1,070
L'Anguille River near Colt	44	285	4	2,410
Buffalo River near St. Joe	4	22	1	298
North Sylamore Creek near Fifty-Six	12	44	0	198
Arkansas River at David D. Terry Lock and Dam below Little Rock	22	110	2	4,140
Cossatot River near Vandervoort	11	14	0	29
Ouachita River at Camden	18	47	6	639
Red River at Index	77	579	16	8,200

The highest fecal-coliform bacteria density found in selected streams in 1996 was >2,000 colonies per 100 mL in L'Anguille River near Colt. Fecal-coliform bacteria densities in colonies per 100 mL, for selected stream sampling sites are presented below [K, Results based on colony count outside the acceptance range (non-ideal colony count)]

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	72	>2,000	K7	K6,800
Yocum Creek near Oak Grove	K9	K670	<1	K15,000
Buffalo River near St. Joe	K1	230	<1	5,300
North Sylamore Creek near Fifty-Six	<1	320	<1	1,400
Cossatot River near Vandervoort	180	180	<1	K210
Ouachita River at Camden	K6	K710	<1	1,300

The highest dissolved-solids concentration found in selected streams in 1996 was 523 mg/L in the Arkansas River at David D. Terry Lock and Dam, below Little Rock. Dissolved-solids concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	110	186	46	412
Yocum Creek near Oak Grove	166	208	146	208
Buffalo River near St. Joe	98	133	77	219
North Sylamore Creek near Fifty-Six	117	157	72	212
Arkansas River at David D. Terry Lock and Dam below Little Rock	158	523	85	674
Cossatot River near Vandervoort	24	35	5	60
Ouachita River at Camden	30	60	30	193

The highest dissolved chloride concentration found in selected streams in 1996 was 180 mg/L in the Arkansas River at David D. Terry Lock and Dam, below Little Rock. Dissolved chloride concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	8.9	21	1.9	47
Yocum Creek near Oak Grove	6.2	8.9	4.6	8.9
Buffalo River near St. Joe	1.6	2.5	1.0	31
North Sylamore Creek near Fifty-Six	1.2	3.0	.3	18
Arkansas River at David D. Terry Lock and Dam below Little Rock	27	180	11	230
Cossatot River near Vandervoort	1.6	1.9	.9	4.8
Ouachita River at Camden	2.9	7.3	2.1	79

The highest total nitrite plus nitrate as nitrogen concentration found in selected streams in 1996 was 4.6 mg/L in Yocum Creek near Oak Grove. Total nitrite plus nitrate as nitrogen concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	.27	.91	0.03	3.4
Yocum Creek near Oak Grove	2.1	4.6	1.8	4.6
Buffalo River near St. Joe	.07	.22	<.01	.58
North Sylamore Creek near Fifty-Six	.06	.11	.01	.73
Arkansas River at David D. Terry Lock and Dam below Little Rock	.08	.40	.01	.79
Cossatot River near Vandervoort	.13	.13	<.05	.13
Ouachita River at Camden	.02	.18	.02	1.0

The highest total phosphorus concentration found in selected streams in 1996 was 0.14 mg/L in the Arkansas River at David D. Terry Lock & Dam below Little Rock. Total phosphorus concentrations, in milligrams per liter, for selected sampling sites are presented below.

	1996		Period of Record through 1996	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	--	--	0.03	1.1
Yocum Creek near Oak Grove	.01	.07	<.01	.45
Buffalo River near St. Joe	<.01	.02	<.01	.37
North Sylamore Creek near Fifty-Six	<.01	<.01	<.01	.34
Arkansas River at David D. Terry Lock and Dam below Little Rock	.03	.14	<.01	.61
Cossatot River near Vandervoort	<.01	<.01	<.01	.16
Ouachita River at Camden	<.02	.05	<.01	.31

Ground-Water Levels

A majority of the ground-water consumption in Arkansas is from two major aquifers; the Mississippi River Valley alluvial aquifer, hereafter referred to as the alluvial aquifer, and the Sparta-Memphis aquifer. The alluvial aquifer occurs within the Quaternary deposits of the Mississippi Alluvial Plain, which covers approximately the eastern one-third of the State, and is the most productive aquifer within Arkansas. The Sparta-Memphis aquifer occurs within the Sparta and Memphis Sands of the Claiborne Group of Eocene age and is the second most productive aquifer within the State. The Sparta-Memphis aquifer underlies the alluvial aquifer within the Mississippi Alluvial Plain and extends into the West Gulf Coastal Plain in the south-central part of the State. The alluvial aquifer provides a majority of Arkansas' ground-water used for irrigation and fish farming; whereas the Sparta-Memphis aquifer provides most of the ground water for industry and public supply.

The regional potentiometric gradient in the alluvial aquifer is toward the south and southeast from an altitude of approximately 280 feet above sea level in the northeastern part of the State to about 80 feet in the southern part. The natural gradient of the water surface has been interrupted at two locations where large withdrawals for irrigation have created cones of depression. The first cone of depression has become elongated along a northwest to southeast axis, and is located in parts of Lonoke, Prairie, and Arkansas Counties; while the second cone has developed west of Crowleys Ridge in Craighead, Cross, and Poinsett Counties. The deepest water-level measurement in the alluvial aquifer during the spring of 1995 was 125.1 feet below land surface, which occurred in Lonoke County.

The regional potentiometric gradient of the Sparta-Memphis aquifer generally is southeastward except where affected by large withdrawals. Three cones of depression, centered in Columbia, Union, and Jefferson Counties, have developed because of relatively large withdrawals for industrial and public supplies in those areas. Additional large withdrawals in the Grand Prairie region for irrigation have resulted in a northeasterly elongation of the cone centered under Jefferson County. At the center of the cones, spring water levels range from about 290 feet to more than 475 feet below land surface. The deepest water-level measurement in the Sparta-Memphis aquifer during the spring and summer of 1995 was 485.2 feet below land surface, which occurred in Union County.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch/pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

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

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

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

Escherichia coli (*E. coli*) also are present in the digestive tract of warm-blooded animals. In the laboratory, *E. coli* is defined as all organisms that produce orange/yellow when incubated for two hours at 35°C ± 0.2°C and transferred to 44.5° ±0.2° for 22-24 hours on mTEC agar (nutrient medium for *E. coli* growth), and strained with phenol red solution. 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 fecal coliform bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria also are present in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, 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 fecal streptococcal bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Base flow is the stream flow sustained by ground-water discharge.

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

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.

Cells/volume refers to the number of cells of any organism, which are counted by using a microscope and grided counting cell. Many planktonic organisms are multicelled and are counted according to the number of cells contained per volume, 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, and approximately equal to 1.98 acre-ft, 646,000 gallons, or 2,450 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 photosynthetic pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

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

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

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

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

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

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

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

Daily mean discharge is the arithmetic mean of the individual increments of discharge in a day.

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

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (The value should not be confused with the 7-day 10-year low-flow statistic.)

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 below. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture.

Table 1.--Chemical constituents conversion factors from 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
Fluoride (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.

Nanograms per liter (ng/L) is a unit expressing the concentration of a chemical element as the mass (nanograms) of solute per unit volume (liter) of water. One thousand nanograms per liter is equivalent to 1 microgram per liter.

National Geodetic Vertical Datum of 1929 (NGVD) 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/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

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

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

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

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

Classification	Size (mm)			Method of analyses
Clay	0.00035	-	0.004	Sedimentation.
Silt	.004	-	.062	Sedimentation.
Sand	.062	-	2.0	Sedimentation or sieve.
Gravel	2.0	-	64.0	Sieve.

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

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

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 d/min. (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the lakes and rivers.

Phytoplankton form the plant part of the plankton. They generally are microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae.

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

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

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

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

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

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

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

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

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

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.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specific period.

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

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

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

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

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

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the

areas are computed from the best maps available at the time they are planimetered. All areas shown are those for the stage when the map was planimetered.

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

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

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

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

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

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

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

WRD is used as an abbreviation of "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

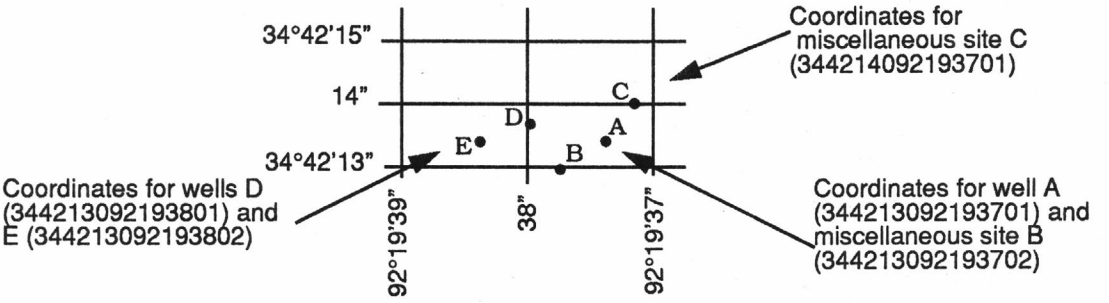
Since October 1, 1950, the order of listing hydrologic-station records in Geological Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between 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 as described in the paragraph above. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The downstream order number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit Part number "07" plus the six-digit downstream-order number "060710." This six-digit number can be expanded to 12 digits if necessary because of station density.

NUMBERING SYSTEM FOR WELLS

The well 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 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 well within a 1-second grid. See diagram below.



SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NO_x scheduled to begin in 2000). Data from the network, as well as information about individual sites, are available through the world wide web at:

http://nadp.nrel.colostate.edu/NADP

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents are being measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales is providing information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and Federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet annually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

In Arkansas, the Ozark Plateaus NAWQA study began in 1991 and sampled ground and surface water and aquatic biology intensively from 1993-95. The low intensity phase began in 1996 and fewer streams and wells were sampled. Included in this report are approximately monthly water quality and daily mean discharge for two surface-water stations (Yocum Creek near Oak Grove and North Sylamore Creek near Fifty-Six) quarterly water quality and instantaneous or daily mean discharge for two surface-water stations (Buffalo River near Boxley and Buffalo River near St. Joe) , and one water quality sample for a large spring in northwestern Arkansas (Cave Spring at Cave Springs). Additionally, water-quality data from 12 monitoring wells, 3 surface-water stations, and 1 spring, which were sampled from one to three times in 1995-96 in the Flint Creek Basin (Benton County), are also included. Some of these samples were collected in cooperation with the National Park Service and the Arkansas Geological Commission.

The Mississippi Embayment NAWQA study of eastern Arkansas and parts of five adjacent States began in 1994. Included in this report are monthly water quality and daily mean discharge data for two surface-water stations on the Cache River (Cache River near Egypt and Cache River near Cotton Plant).

Radiochemical Programs 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 waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

Daily discharge records were computed and included in this report for 47 stations in Arkansas in 1996. The locations of these stations are shown in figures 2 and 3, pages 28 and 29.

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, observation 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 stores the data in some form at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations (TWRI's), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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

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

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

Data Presentation

The records published for each continuous-record surface-water discharge station (gaging station) consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that flow at it can reasonably be considered equivalent to flow at the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted 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 peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to mean sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily discharge will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the Geological Survey.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (address given on the back of the title page of this report) to determine if the published records were ever revised after the station was discontinued. Of course, if the data for a discontinued station were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Headings for **AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR** have been deleted, and the information contained in these paragraphs is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually 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 or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS ___ - ___, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS ___ - ___," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnote.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District Office computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Inches (INCHES) Indicates the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. The table of partial-record stations is followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

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 computing discharge for various unusual conditions have been explained in preceding paragraphs.

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 significant 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 because of 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. Real-time stream stage and flow data are available on the Arkansas District World Wide Web Home Page located at:

http://ar4darlrk.er.usgs.gov

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

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published by water year.

EXPLANATION OF SURFACE-WATER QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The water-quality records are given immediately after the water-discharge records for these stations. One hundred forty-six stations are included for 1995. The location of these stations are shown in figures 4 and 5, pages 30 and 31.

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

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

300	National Atmospheric Deposition Program/National Trends Network
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80020	National Water-Quality Laboratory, WRD, USGS
17003	Illinois State Water Survey
81213	District Water-Quality Laboratory, Ocala, Florida
82913	Rolla, Missouri Sediment Lab

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

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) sea level; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

EXPLANATION OF GROUND-WATER QUALITY RECORDS

Collection of the Data

In an attempt to detect long-term changes in ground-water quality, a network of 25 monitoring wells has been established. The monitoring wells for sampling ground water were selected from all major aquifers. Each year two or more wells are sampled from large aquifers such as those in the Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that five or six wells are usually sampled each year. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years. In 1995, five wells in the network were sampled.

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-Site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards All samples were obtained by trained personnel. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water levels and quality are published in a section titled Ground-Water Levels and Quality of Ground Water. Data for levels and quality of ground water are listed alphabetically by County and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARKS codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National WATer Data STOrage and REtrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the Geological Survey collects or has collected data.
- Daily Values File - Contains more than 220 million daily values of streamflows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- Ground-Water Site Inventory Data Base - Contains inventory data for about 55,000 wells, springs, and other sources of ground water. These data include site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Geological Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs incurred. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disks. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District Offices (see address on the back of the title page).

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficken, 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. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3. Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

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

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

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

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathburn, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

3-A19. *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.

3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 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 programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.

3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley. USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 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.J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 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 the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

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

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

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.

6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.

6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water- problems, Part 3: Design philosophy and programming details*, by L. J. Torak. USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

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

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

DISCONTINUED GAGING STATIONS

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

Station Number	Station name	Drainage area (mi^2)	Period of record
	ST. FRANCIS RIVER BASIN		
07047000	St. Francis River floodway near Marked Tree (Dam)	4,644	1934-65
07047500	St. Francis River at Marked Tree	5,148	1934-73
07047810	St. Francis River floodway near Marked Tree	4,651	1965-70
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland	83.1	1945-83
07048500	West Fork White River near Fayetteville	118	1937-45
*07048600	White River near Fayetteville	400	1964-94
*07049000	War Eagle Creek near Hindsville	263	1952-79
07049500	White River near Rogers	1,020	1952-63
*07050500	Kings River near Berryville	527	1939-75, 1993-95
**07055000	White River near Flippin	6,081	1928-80
*07055646	Buffalo River near Boxley	57	1993-95
07057000	Buffalo River near Rush	1,096	1928-70
07057250	White River at Shipps Ferry	8,007	1963-64
07060892	Sullivan Creek at Sandtown	27.2	1990-91, 1993-94
**07061000	White River at Batesville	11,070	1937-58, 1987-94
*07064000	Black River near Corning	1,749	1938-95*
07068890	Fourche River above Pocahontas	229	1964-70
**07069000	Black River at Pocahontas	4,845	1936-70
*07069220	Spring River near Mammoth Springs	280	1988-94
*07069500	Spring River at Imboden	1,183	1936-94
07072000	Eleven Point River near Ravenden Springs	1,134	1930-33, 1936-94
07073000	Strawberry River near Evening Shade	217	1939-79
**07073500	Piney Fork at Evening Shade	99.2	1939-84
**07075000	Middle Fork of Little Red River at Shirley	302	1939-84
*07075300	South Fork Little Red River at Clinton	148	1962-94
*07076000	Little Red River near Heber Springs	1,153	1927-80
*07076750	White River at Georgetown	22,387	1991-94
07076850	Cypress Bayou near Beebe	166	1961-76
07077930	Big Creek near Moro	77.4	1961-70
07077950	Big Creek at Poplar Grove	448	1970-93
07078000	LaGrue Bayou near Stuttgart	176	1935-54
	ARKANSAS RIVER BASIN		
07194760	Illinois River near Viney Grove	80.7	1986 1986
07194880	Osage Creek near Cave Springs	34.7	1991-93
07195400	Illinois River near Siloam Springs	509	1980-81, 1986
*07249500	Cove Creek near Lee Creek	35.3	1950-70
*07251000	Frog Bayou near Mountainburg	74.2	1936-61
*07251500	Frog Bayou at Rudy	216	1950-70
*07252000	Mulberry River near Mulberry	373	1938-94
07252500	Sixmile Creek Subwatershed No. 6 near Chismville	4.23	1960-70
07253000	Sixmile Creek at Chismville	24.1	1954-70
07253500	Sixmile Creek near Branch	36.7	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville	2.76	1960-70
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville	5.81	1960-70
07255000	Sixmile Creek at Caulksville	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch	4.49	1960-70
07255500	Hurricane Creek near Branch	17.2	1954-70
07256000	Hurricane Creek near Caulksville	53	1954-70
*07256500	Spadra Creek at Clarksville	61.1	1952-70
*07257006	Big Piney Creek at Hwy 164 near Dover	297	1950-95
*07257500	Illinois Bayou near Scottsville	241	1948-70
*07258000	Arkansas River at Dardanelle	153670	1937-94
*07258500	Petit Jean River near Booneville	241	1938-84
*07259500	Petit Jean River near Waveland	516	1939-80
*07260000	Dutch Creek at Waltreak	81.4	1945-75
*07261500	Fourche LaFave River near Gravelly	410	1939-94
07262500	Fourche LaFave River near Nimrod	684	1936-80
07264500	Bayou Meto near Stuttgart	574	1935-54
	RED RIVER BASIN		
*07339500	Rolling Fork near DeQueen	182	1948-80
*07340500	Cossatot River near DeQueen	360	1938-80
*07341000	Saline River near Dierks	121	1938-80
07349430	Bodcau Creek at Stamps	234	1958-70

DISCONTINUED GAGING STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi^2)	Period of record
	RED RIVER BASIN--continued		
07356500	South Fork Ouachita River at Mount Ida	64	1949-70
07358000	Ouachita River near Hot Springs	1,405	1922-30
07359700	Caddo River at Glenwood	201	1988
07361000	Little Missouri River near Murfreesboro	380	1928-31, 1937-77
*07362500	Moro Creek near Fordyce	240	1951-83
*07363000	Saline River at Benton	550	1950-79
*07363200	Saline River near Sheridan	1,123	1970-81
07364000	Saline River near Warren	2,476	1928-31, 1937-40
*07365800	Cornie Bayou near Three Creeks	180	1956-87
07365900	Three Creeks near Three Creeks	50.3	1956-71

*Converted to partial-record station
**Converted to stage-only station

DISCONTINUED WATER-QUALITY STATIONS

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

Station number	Station name	Type of record	Period of record
	MISSISSIPPI RIVER MAIN STEM		
07024181	Mississippi River at Huffman	Chem.	1974-83
07029150	Mississippi River at Barfield	Chem.	1974-83
07032010	Mississippi River at West Memphis	Chem.	1969-70
07047970	Mississippi River at Helena	Chem.	1972-74
07265450	Mississippi River near Arkansas City	Chem.	1974-93
		Sp. Cond., Temp.	1974-81
07265455	Mississippi River near Greenville, Mississippi	Chem.	1973-74
	ST. FRANCIS RIVER BASIN		
07040350	Big Slough Ditch near Paragould	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manila	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbro	Chem.	1972-74
07047400	Pemiscot Bayou near Dell	Chem.	1974-83
07047500	St. Francis River at Marked Tree	Chem.	1946, 1950-55, 1966-73
07047560	Tyronza River near Dyess	Chem.	1977
07047570	Tyronza Bayou near Dyess	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto	Chem.	1977
07047590	Tyronza River near Spear Lake	Chem.	1977
07047700	Tyronza River near Twist	Chem.	1974-88
07047800	St Francis River at Parker	Chem	1973-94
07047936	L'Anguille River near Cherry Valley	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine	Chem., Sed.	1978-79, 1981-84
07047968	St. Francis River north of Helena	Chem.	1972-83
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland	Chem.	1946-54, 1956-57, 1959, 1963, 1976-79
07048600	White River near Fayetteville	Chem.	1958, 1976-81
07049695	White River above Busch	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver	Chem.	1945-46, 1948-53, 1974-83
07053700	Lake Taneycomo at Branson, Missouri	Chem.	1977-91
07054471	Bull Shoals Lake below Big Music Creek near Midway fishpens	Chem.	1978-91
07054474	Bull Shoals Lake below Big Music Creek near Midway mouth of cove	Chem.	1978-79, 1982-91
07054535	White River below Bruce Creek near Lakeview	D.O., Temp	1992-93
07055000	White River near Flippin	Chem.	1945-50, 1953, 1979
07055550	Crooked Creek Tributary near Dog Patch	Chem.	1947-59, 1966-82
07055600	Crooked Creek at Pyatt	Chem.	1963, 1964, 1974-78
07055630	White River at Buffalo City	Temp.	1963-64
07055700	Little Buffalo River at Jasper	Temp.	1963-70
07056507	Bear Creek West of Marshall	Chem.	1983-86
07057000	Buffalo River near Rush	Chem.	1946-54, 1958-59, 1961, 1963
07057246	White River near Lone Rock	Temp.	1979-82
07057250	White River at Shipps Ferry	Temp.	1963-64
07060010	North Fork River at Norfork	Chem., Temp.	1974-83
07060660	White River at Sylamore	Temp.	1967-82
07060700	South Sylamore Creek at Allison	Chem.	1957-63, 1987-88, 1992-93
07060839	White River above Lock and Dam 3 near St. James	Temp., D.O.	1989-91

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
07061000	White River at Batesville	Chem.	1983-86
07061094	White River near Salado	Chem.	1983-86
07061950	Clearwater Lake at Carter Hollow, Missouri	Chem.	1978-91
07061980	Clearwater Lake near Carter Spring on Webb Creek, Missouri	Chem.	1978-91
07068600	Little Black River at Success	Chem., Temp.	1965, 1980-86
07068867	Fourche River near Middlebrook	Chem.	1969-75
07069268	South Fork of Spring River near Moko	Chem.	1972-74
07069500	Spring River at Imboden	Chem.	1945-63, 1966-72, 1976-79
07072000	Eleven Point River near Ravenden Springs	Chem.	1945-60, 1963, 1966, 1972-79
07072500	Black River at Black Rock	Chem	1946, 1953, 1967-94
07073000	Strawberry River near Evening Shade	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade	Chem.	1959, 1979
07074000	Strawberry River near Poughkeepsie	Chem.	1949-60, 1971, 1972, 1979
07074490	Black River at Jacksonport	Chem.	1964, 1974-83
07074491	White River at Jacksonport	Chem.	1983-86
07074595	Village Creek near Walnut Ridge	Chem.	1973-74, 1976-77
07074645	Lick Pond near Alicia	Chem.	1976-77
07074660	Village Creek near Swifton	Chem.	1973-74, 1976-77
07074665	Maple Ditch near Swifton	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman	Chem.	1976-77
07074700	Village Creek near Newport	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta	Temp.	1967-71
07074850	White River near Augusta	Chem.	1954, 1979
07075000	Middle Fork of Little Red River at Shirley	Chem.	1954, 1979
07076200	Little Red River near Wilburn	Chem., Temp.	1968-83
07076500	Little Red River at Pangburn	Temp.	1967-82
07076620	Little Red River near Searcy	Temp.	1967-82
		Chem.	1984-93
07076634	Little Red River at Judsonia	Chem.	1975-83
07076640	Little Red River near West Point	Temp.	1967-72
07076750	White River at Georgetown	Temp.	1967-81
07076850	Cypress Bayou near Beebe	Chem.	1976-78
07077000	White River at DeValls Bluff	Temp.	1963-70
07077080	Little Cache River Ditch No. 1 near McDougal	Chem.	1973-75
07077380	Cache River at Egypt	Chem.	1963, 1966, 1976-79
07077400	Cache River near Cash	Chem.	1974-83
07077500	Cache River at Patterson	Sed.	1987-94
07077600	Cache River at Brasfield	Chem.	1974-83
07077750	Bayou DeView near Brasfield	Chem.	1956-57, 1974-83
07077790	Cache River at 100 Yards below Dredging	Chem.	1977-80
07077794	Cache River at Mouth near Clarendon	Chem.	1977-80
07077800	White River at Clarendon	Chem., Temp.	1948-67, 1970-86
07077950	Big Creek at Poplar Grove	Chem.	1972, 1976-79
07077952	Big Creek near Poplar Grove	Chem.	1970-73
07077960	Big Creek near Watkins Corner	Chem.	1974-83
07078120	Little LaGrue Bayou near Stuttgart	Chem.	1954-55
07078285	White River at Arkansas Post Canal near Nady	Chem.	1972-83
07188910	Butler Creek near Sulphur Springs	Chem.	1969-93
07195430	Illinois River south of Siloam Springs	Chem.	1972-81
07195800	Flint Creek at Springtown	Chem.	1975-79
07195850	Flint Creek North of Siloam Springs	Chem.	1972-81
07196950	Evansville Creek at Evansville	Chem.	1958-59
07247000	Poteau River at Cauthron	Chem.	1945-61, 1975-79

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	ARKANSAS RIVER BASIN		
07247012	Poteau River south of Bates	Chem.	1972-83
07247903	Lee Creek near Natural Dam	Chem.	1972-74
07250000	Lee Creek near Van Buren	Chem.	1951-59, 1972-79
07250550	Arkansas River at James W. Trimble Lock and Dam near Van Buren	Chem., Temp., Sp. Cond	1970-92
07252000	Mulberry River near Mulberry	Chem.	1947-59, 1975-79
07252400	Arkansas River at Ozark	Chem.	1962-63, 1965-66
07252500	Sixmile Creek Subwatershed near Chismville	Chem.	1959-67
07256040	Short Mountain Creek west of Paris	Chem.	1987-93
07257000	Big Piney Creek near Dover	Chem.	1951-56
07257500	Illinois Bayou near Scottsville	Chem.	1971-72
07257995	Lake Dardanelle at Dardanelle	Chem.	1966-67
07260500	Petit Jean River at Danville	Chem.	1949-52, 1976-78
07260640	Petit Jean River near Centerville	Chem.	1974-83
07261000	Cadron Creek near Guy	Chem.	1976-78
07261235	East Fork Cadron Creek north of Conway	Chem.	1973
07261250	Cadron Creek west of Conway	Chem.	1955-56, 1973-83
07263010	Fourche LaFave River near Aplin	Chem.	1952-53
07263150	Fourche LaFave River near Bigelow	Chem.	1975-83
07263500	Arkansas River at Little Rock	Chem.	1946-69
07263650	Arkansas River at Pine Bluff	Chem.	1963
07263720	Arkansas River near Altheimer	Chem.	1954
07264000	Bayou Meto near Lonoke	Chem.	1968-83
07263750	Arkansas River at Lock and Dam 3 near Swan Lake	Chem.	1974-83
07264050	Bayou Two Prairie near Cabot	Chem.	1975-83
07264500	Bayou Meto near Stuttgart	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton	Chem.	1963
	RED RIVER BASIN		
07339500	Rolling Fork near DeQueen	Temp.	1976-79
07339850	Rolling Fork near Horatio	Chem.	1974-83
07340500	Cossatot River near DeQueen	Temp.	1976-79
07340520	Cossatot River near Lockesburg	Chem.	1974-83
07341000	Saline River near Dierks	Temp.	1975-79
07341280	Millwood Lake on Mine Creek near Okay	Chem.	1983-93
07341500	Red River at Fulton	Chem., Temp.	1946-47, 1952-61, 1978-79
07342000	Red River at Garland	Chem.	1976
07344290	Days Creek south of Texarkana	Chem.	1973-74
07344340	Sulphur River near Fort Lynn	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor	Chem.	1952, 1973-74
07349453	Wh[illegible]r Creek near Arkana	Chem.	1973-74
07349455	Bear Creek near Arkana	Chem.	1973
07349457	Dooley Creek near Arkansas-Louisiana State Line	Chem.	1973
07356150	Ouachita River near Washita	Chem.	1970-72
07356320	Irons Fork Creek near Fannie	Chem.	1970-78
07356500	South Fork Ouachita River at Mount Ida	Chem.	1970-72, 1978
07357500	Lake Ouachita near Hot Springs	Chem.	1970-78
07357501	Ouachita River at Blakely Mountain Dam near Hot Springs	Chem.	1970-83
07357503	Ouachita River at Mountain Pine	Temp.	1979-82
07358501	Ouachita River at Carpenter Dam near Hot Springs	Chem.	1974-86
07359900	DeGray Lake near Arkadelphia	Chem.	1950-52, 1976-78
07359910	Caddo River at DeGray Regulating Dam near Arkadelphia	Chem.	1976-78
07360000	Ouachita River at Arkadelphia	Chem.	1949-70
07360162	Ouachita River near Sparkman	Chem.	1974-83
07360182	Brushy Creek near Ouachita	Chem.	1978-81
07360250	Little Missouri River near Newhope	Chem.	1970-78
07360350	Self Creek near Daisy	Chem.	1970-72, 1976-78
07360500	Lake Greeson near Murfreesboro	Chem.	1970-72, 1976-78
07361022	Prairie Creek at Murfreesboro	Chem.	1984-93

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07361025	Prairie Creek near Murfreesboro	Chem.	1984-93
07361500	Antoine River at Antoine	Chem.	1976-79
07361650	Terre Rouge Creek near Prescott	Chem.	1978-79
07361660	Little Missouri River near Whelen Springs	Chem.	1978
07361805	Terre Noir Creek at Vaden	Chem.	1978-79
07362100	Smackover Creek near Smackover	Chem.	1950-52, 1976-81
07362200	Smackover Creek near Norphlet	Chem.	1959-60, 1962-68, 1970-72
07362390	Ouachita River at Calion	Chem.	1950-54
07362400	Ouachita River at Lock and Dam 8, near Calion	Chem.	1972-84
07362500	Moro Creek near Fordyce	Chem.	1952-55, 1976-77
07362874	North Fork Saline River near Paron	Chem.	1992
07362878	Dog Creek near Paron	Chem.	1992
07362882	North Fork Saline River northwest of Avilla	Chem.	1992
07362886	Brush Creek below Lake Norrell near Avilla	Chem.	1992
07362890	North Fork Saline River west of Avilla	Chem.	1992
07362894	North Fork Saline River near Congo	Chem.	1992
07363000	Saline River at Benton	Chem.	1950-53, 1975-79
07363080	Saline River near Tull	Chem.	1974-75
07363400	Hurricane Creek near Sheridan	Chem.	1950-55
07363500	Saline River near Rye	Chem.	1947-55, 1958-60, 1968-71, 1976-80
07364020	L'Aigle Creek at Hermitage	Chem.	1980
07364060	Bayou Lapile at Strong	Chem.	1952-55
07364080	Ouachita River near Felsenthal	Chem., Temp.	1950-67, 1971-81
07364088	Coffee Creek near Crossett	Chem.	1973-83
07364150	Bayou Bartholomew near McGehee	Chem.	1960-72, 1976-79
07365900	Three Creeks near Three Creeks	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou east of Junction City	Chem.	1973-74
07367666	Big Bayou near Jerome	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot	Chem.	1973-74

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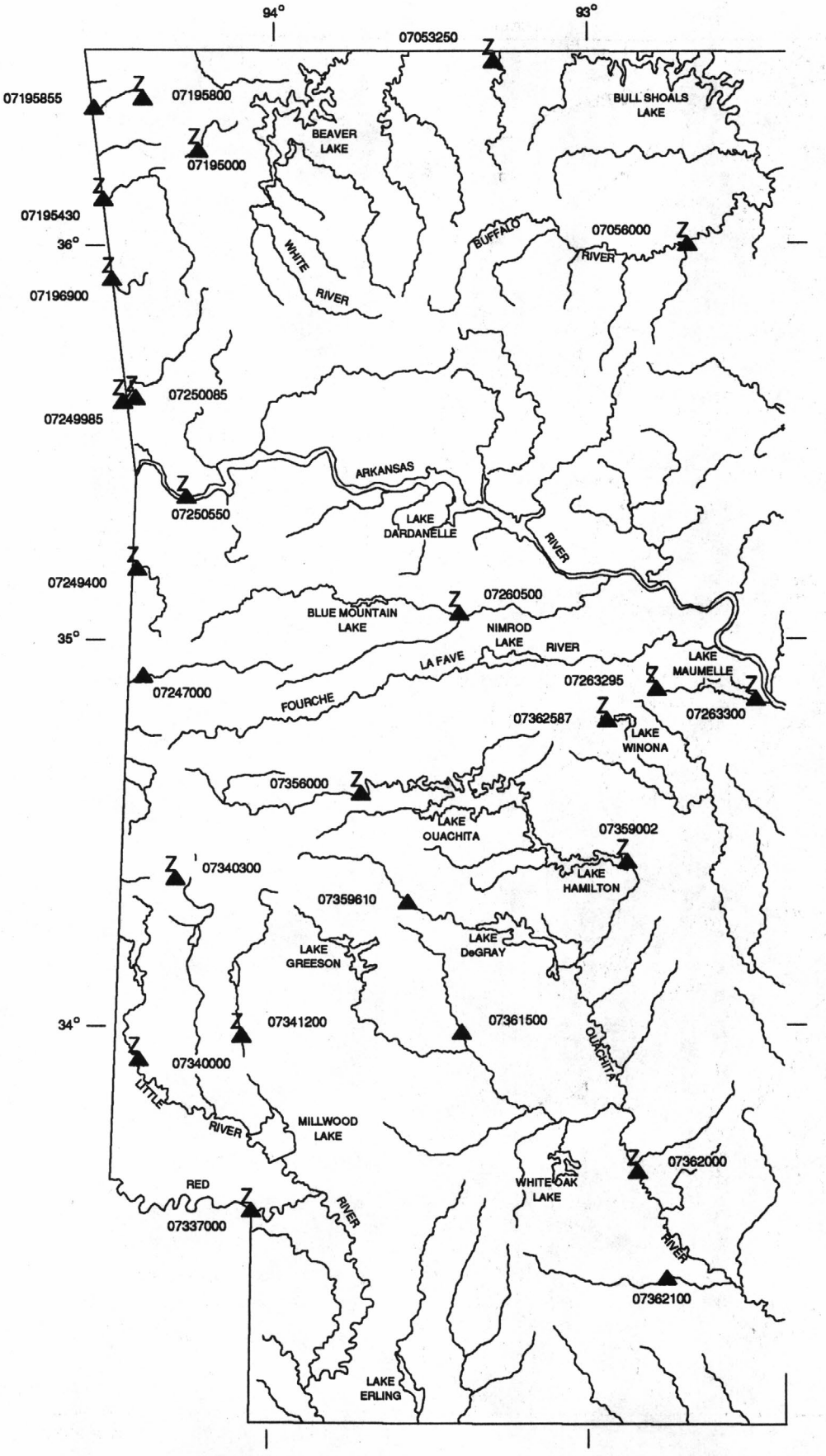

Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

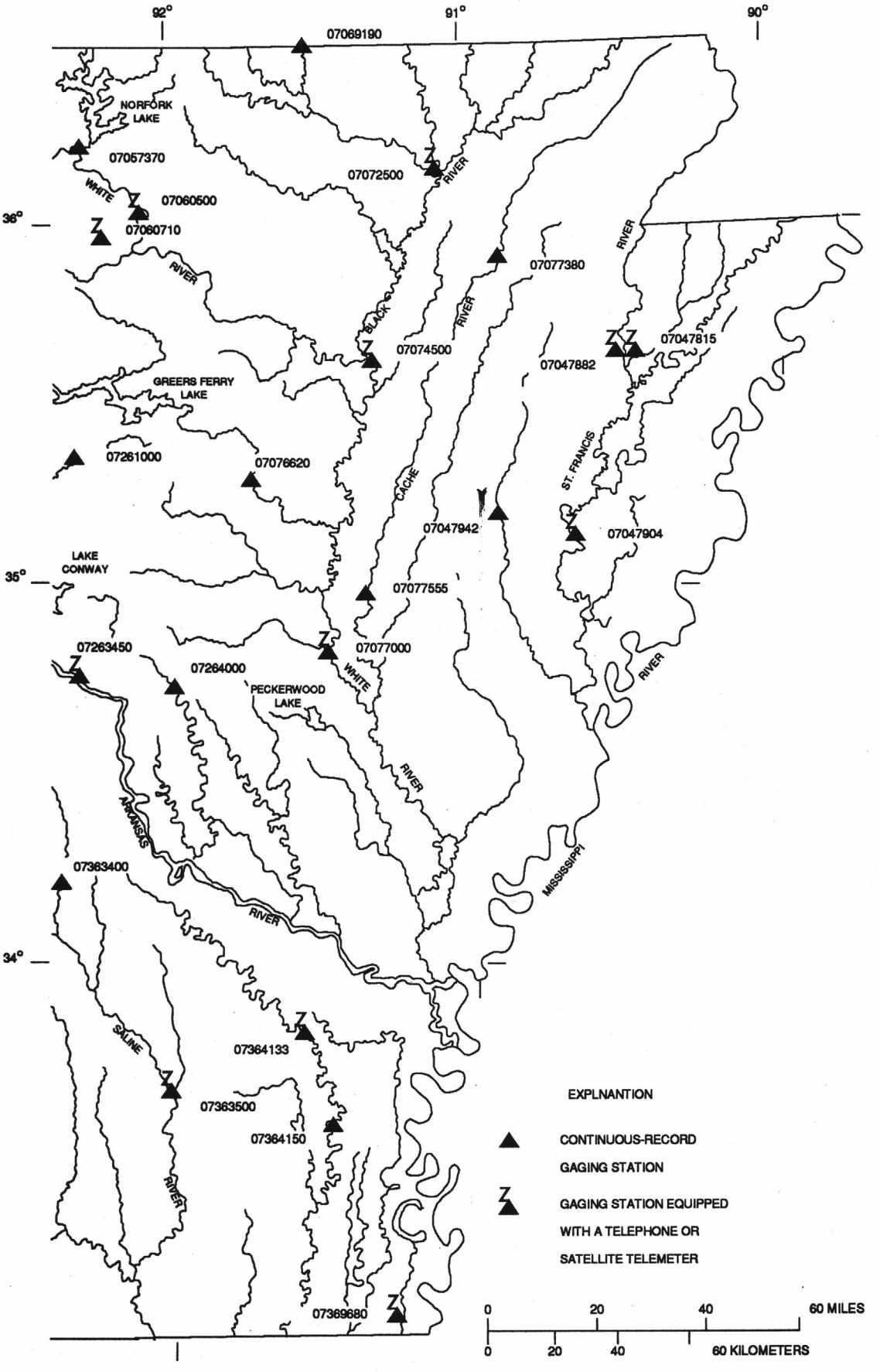

Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

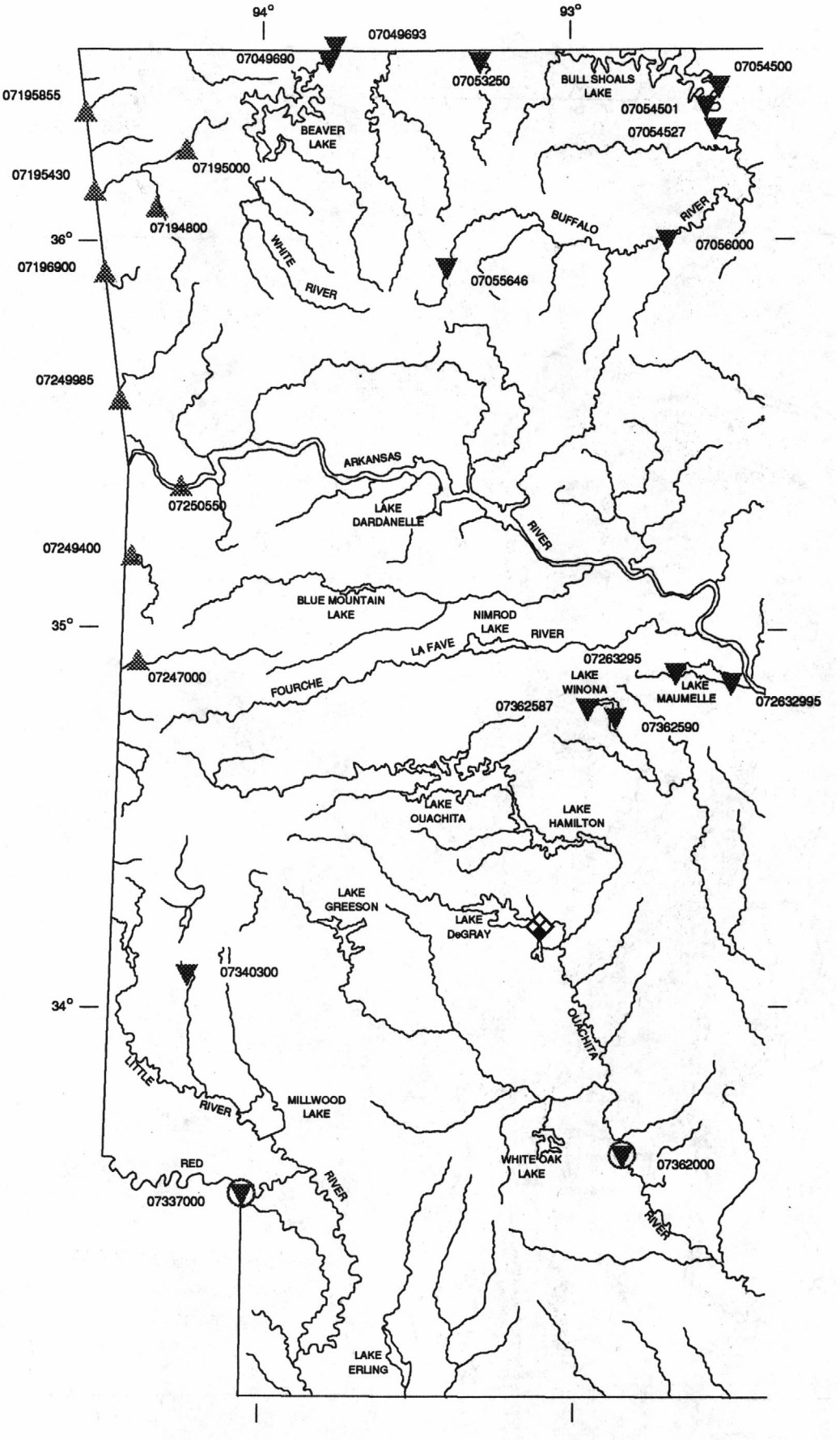

Figure 4.--Locations of water-quality stations in western Arkansas.

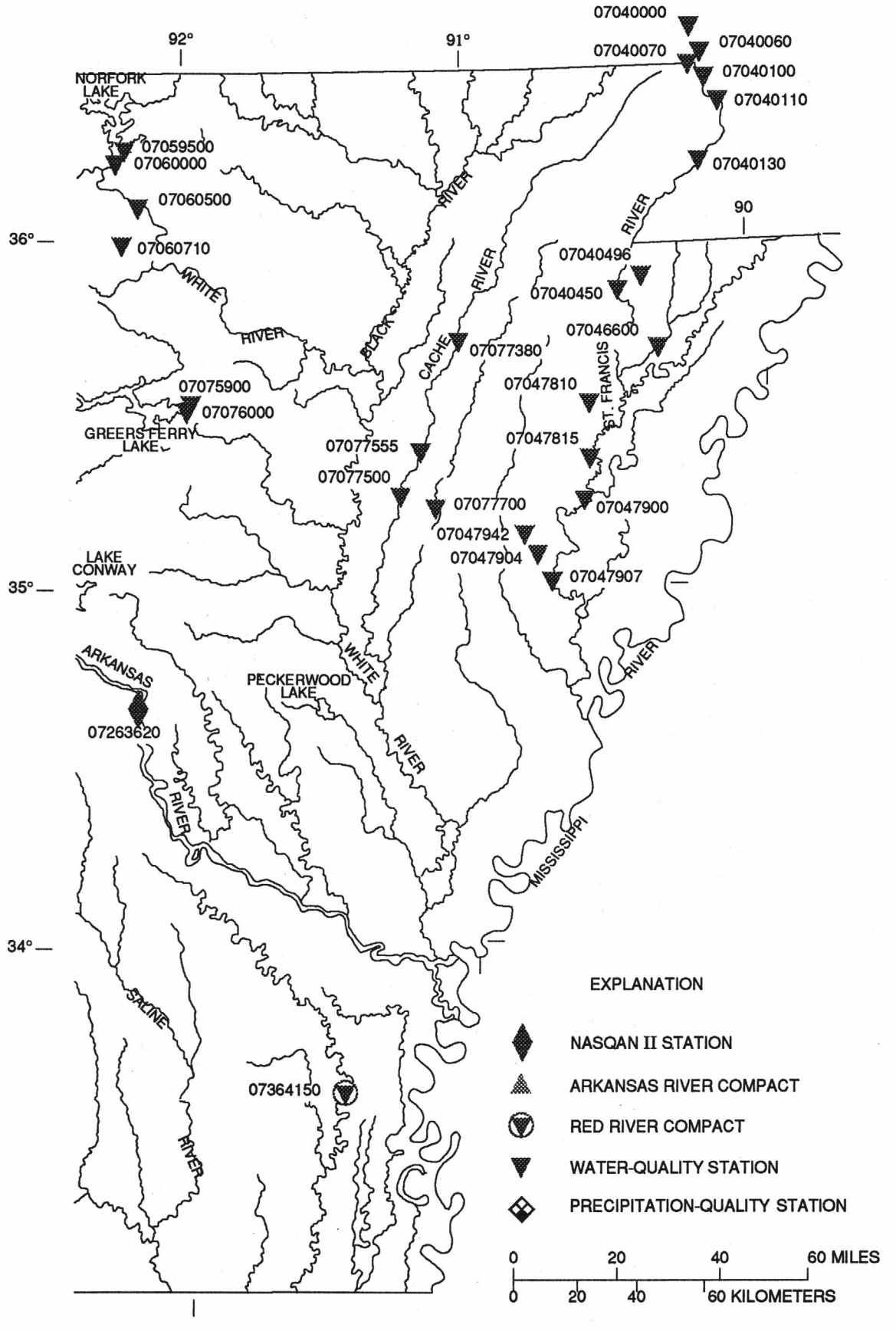

Figure 5.--Locations of water-quality stations in eastern Arkansas.

07040000 ST.FRANCIS RIVER AT FISK, MISSOURI

LOCATION.--Lat 36°46'50", long 90°12'08", in NW1/4SW1/4 sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Missouri.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 10...	1155	80513	82913	103	405	8.0	20.0	0.18	7.9
NOV 27...	1445	80513	82913	305	286	8.1	8.0	0.18	9.8
DEC 12...	1545	80513	82913	156	289	7.8	6.0	0.12	7.2
JAN 22...	1535	80513	82913	3100	210	7.4	1.5	0.06	12.9
FEB 20...	1605	80513	82913	380	183	7.4	4.0	0.60	12.2
MAR 19...	1645	80513	82913	875	235	7.6	8.5	0.12	11.4
APR 15...	1400	80513	82913	1140	169	7.8	14.0	0.12	11.1
MAY 20...	1605	80513	82913	5180	119	7.2	20.0	0.09	8.0
JUN 10...	1745	80513	82913	3700	141	7.1	20.5	0.09	8.2
JUL 09...	1315	80513	82913	165	191	7.6	25.0	0.12	6.6
AUG 05...	1205	80513	82913	189	205	8.0	26.0	0.09	8.1
SEP 03...	1215	80513	82913	180	235	8.0	23.0	0.09	8.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)
OCT 10...	1155	87	45	13	98	98	98	100	--
NOV 27...	1445	85	36	30	77	77	100	--	--
DEC 12...	1545	58	21	8.8	71	100	--	--	--
JAN 22...	1535	93	71	594	81	86	92	96	100
FEB 20...	1605	95	21	22	97	97	100	--	--
MAR 19...	1645	99	58	137	96	96	98	100	--
APR 15...	1400	109	61	188	90	90	97	100	--
MAY 20...	1605	90	38	531	98	98	100	--	--
JUN 10...	1745	93	96	959	55	60	95	100	--
JUL 09...	1315	81	85	38	89	89	95	100	--
AUG 05...	1205	101	66	34	100	--	--	--	--
SEP 03...	1215	97	51	25	100	--	--	--	--

DATE	TIME	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)
OCT 10...	1155	46	50	71	94	100	--	--	--
NOV 27...	1445	51	72	94	96	100	--	--	--
DEC 12...	1545	20	29	82	96	100	--	--	--
JAN 22...	1535	6	7	21	79	97	--	97	100
FEB 20...	1605	1	2	28	93	100	--	--	--
MAR 19...	1645	1	1	21	86	100	--	--	--
APR 15...	1400	22	57	92	97	98	100	--	--
MAY 20...	1605	13	37	97	100	--	--	--	--
JUN 10...	1745	2	23	97	99	100	--	--	--
JUL 09...	1315	3	59	97	98	100	--	--	--
AUG 05...	1205	12	19	84	100	--	--	--	--
SEP 03...	1215	13	22	81	100	--	--	--	--

07040060 St. FRANCIS RIVER NEAR GLENNONVILLE, MISSOURI

LOCATION.--Lat 36°34'22", long 90°11'06", in NE1/4NW1/4 sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Missouri.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
27...	1335	80513	82913	341	9.0	0.18	41	38	96	96
DEC										
12...	1325	80513	82913	180	7.0	0.18	27	13	74	74
JAN										
22...	1420	80513	82913	3140	1.5	0.06	197	1670	73	83
FEB										
20...	1415	80513	82913	486	5.0	0.46	25	33	92	92
MAR										
19...	1545	80513	82913	1190	8.0	0.12	107	344	94	94
APR										
15...	1450	80513	82913	1380	14.0	0.09	79	294	93	93
MAY										
20...	1425	80513	82913	6150	20.0	0.09	165	2740	80	91
JUN										
10...	1640	80513	82913	4160	20.5	0.06	133	1490	83	95

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
27...	1335	100	--	2	5	40	94	100	--
DEC									
12...	1325	100	--	1	1	48	97	100	--
JAN									
22...	1420	95	100	1	2	60	99	100	--
FEB									
20...	1415	92	100	1	2	72	99	100	--
MAR									
19...	1545	95	100	1	3	60	98	99	100
APR									
15...	1450	98	100	58	87	97	98	100	--
MAY									
20...	1425	98	100	1	2	81	97	100	--
JUN									
10...	1640	100	--	2	2	60	95	100	--

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MISSOURI

LOCATION.--Lat 36°30'53", long 90°09'30", in SW1/4SW1/4 sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Missouri, off Missouri State Highway 53.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)
NOV 27...	1255	80513	82913	333	9.0	0.12	37	33	87
DEC 12...	1240	80513	82913	180	7.0	0.18	22	11	87
JAN 22...	1325	80513	82913	3020	1.0	0.06	238	1940	71
FEB 20...	1310	80513	82913	572	4.5	0.60	27	42	90
MAR 19...	1345	80513	82913	1220	8.0	0.12	147	484	75
APR 15...	1255	80513	82913	1310	14.5	0.12	98	347	88
MAY 20...	1330	80513	82913	5340	20.0	0.09	233	3360	66
JUN 10...	1545	80513	82913	3860	20.0	0.06	204	2130	67

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV 27...	1255	94	100	--	4	5	67	98	100
DEC 12...	1240	87	100	--	5	5	40	96	100
JAN 22...	1325	78	97	100	3	4	55	96	100
FEB 20...	1310	90	100	--	2	5	77	99	100
MAR 19...	1345	78	95	100	5	6	65	97	100
APR 15...	1255	90	100	--	2	11	68	97	100
MAY 20...	1330	83	98	100	1	3	72	97	100
JUN 10...	1545	82	99	100	1	3	79	99	100

07040100 ST. FRANCIS RIVER AT ST. FRANCIS

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
10...	1305	80513	82913	253	390	7.9	20.5	0.15	7.6	85	17
NOV											
28...	0845	80513	82913	325	294	7.9	6.0	0.18	11.0	89	37
DEC											
13...	0815	80513	82913	212	290	7.9	7.0	0.15	7.2	59	49
JAN											
23...	0900	80513	82913	3600	202	7.5	2.0	0.06	14.6	107	231
FEB											
21...	0840	80513	82913	547	197	7.3	5.5	0.46	11.4	91	38
MAR											
20...	0900	80513	82913	1310	205	7.5	6.0	0.09	10.8	88	182
APR											
16...	0855	80513	82913	1500	165	7.8	12.0	0.12	12.1	113	93
MAY											
21...	0830	80513	82913	5550	118	7.2	19.0	0.06	8.0	88	908
JUN											
11...	0755	80513	82913	4280	138	7.2	19.5	0.06	7.7	85	883
JUL											
09...	1150	80513	82913	390	263	7.5	26.0	0.12	5.8	72	129
AUG											
05...	1320	80513	82913	338	200	7.9	28.0	0.09	8.0	103	103
SEP											
03...	1335	80513	82913	231	316	7.9	23.0	0.12	8.7	103	104

DATE	TIME	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											
10...	1305	12	91	91	96	100	86	90	96	100	--
NOV											
28...	0845	32	97	97	100	--	17	35	94	100	--
DEC											
13...	0815	28	86	86	100	--	41	72	97	100	--
JAN											
23...	0900	2250	77	87	99	100	1	4	94	99	100
FEB											
21...	0840	56	90	90	100	--	1	3	92	99	100
MAR											
20...	0900	644	93	97	100	--	1	4	89	100	--
APR											
16...	0855	377	85	91	100	--	4	4	36	86	100
MAY											
21...	0830	13600	16	19	90	100	1	1	55	91	100
JUN											
11...	0755	10200	86	90	99	100	95	95	96	99	100
JUL											
09...	1150	136	100	--	--	--	46	76	97	98	100
AUG											
05...	1320	94	100	--	--	--	36	41	80	100	--
SEP											
03...	1335	65	100	--	--	--	49	54	85	100	--

07040110 ST. FRANCIS RIVER NEAR PIGGOTT

LOCATION.--Lat 36°23'50", long 90°04'40", in SE1/4SW1/4 sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi east of Piggott.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV										
27...	1200	80513	82913	322	9.0	0.18	--	35	30	90
DEC										
12...	1155	80513	82913	193	7.0	0.18	--	21	11	89
JAN										
22...	1215	80513	82913	3050	1.0	0.03	--	209	1720	87
FEB										
20...	1205	80513	82913	551	4.5	0.46	--	32	48	97
MAR										
19...	1245	80513	82913	1170	8.0	0.12	--	118	373	95
APR										
15...	1205	80513	82913	1260	14.5	0.12	--	104	354	97
MAY										
20...	1155	80513	82913	4990	19.0	0.09	67	299	4030	58
20...	1230	80513	82913	712	19.0	0.06	68	413	794	96
JUN										
10...	1400	80513	82913	3800	20.0	0.06	--	220	2260	79

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
27...	1200	90	95	100	8	11	66	93	100
DEC									
12...	1155	89	100	--	3	6	63	93	100
JAN									
22...	1215	91	98	100	0	0	47	95	100
FEB									
20...	1205	97	100	--	1	2	49	98	100
MAR									
19...	1245	95	97	100	1	2	39	97	100
APR									
15...	1205	97	100	--	2	2	32	93	100
MAY									
20...	1155	70	98	100	5	7	41	81	100
20...	1230	97	99	100	79	79	95	100	--
JUN									
10...	1400	87	99	100	1	1	52	96	100

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND

LOCATION.--Lat 36°14'11", long 90°07'52", in SW1/4NE1/4 sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.

DRAINAGE AREA.--1,788 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV											
28...	0930	80513	82913	231	9.0	0.18	67	49	31	96	96
28...	1000	80513	82913	89	9.0	0.18	68	63	15	84	100
DEC											
13...	0900	80513	82913	209	7.0	0.15	--	67	38	36	36
JAN											
23...	1100	80513	82913	1790	3.0	0.12	67	175	846	93	93
23...	1130	80513	82913	53	3.0	0.12	68	131	19	91	91
FEB											
21...	0955	80513	82913	588	4.5	0.60	--	31	49	96	96
MAR											
20...	1010	80513	82913	1180	6.0	0.12	--	78	249	95	95
APR											
16...	0955	80513	82913	1310	12.5	0.09	--	51	180	94	94
MAY											
21...	0945	80513	82913	3050	20.0	0.09	67	200	1650	69	82
21...	1025	80513	82913	4020	20.0	0.09	68	--	--	72	92
JUN											
11...	0905	80513	82913	2210	20.0	0.09	67	210	1250	82	89
11...	0935	80513	82913	2670	20.0	0.06	68	48	346	99	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV											
28...	0930	100	--	14	18	82	95	100	--	--	--
28...	1000	--	--	3	5	43	91	100	--	--	--
DEC											
13...	0900	100	--	51	60	73	91	94	100	--	--
JAN											
23...	1100	96	100	0	2	72	96	100	--	--	--
23...	1130	96	100	5	5	17	74	98	--	98	100
FEB											
21...	0955	96	100	3	4	77	99	100	--	--	--
MAR											
20...	1010	100	--	25	27	81	98	100	--	--	--
APR											
16...	0955	94	100	1	1	50	92	100	--	--	--
MAY											
21...	0945	98	100	1	6	64	97	100	--	--	--
21...	1025	99	100	27	38	97	100	--	--	--	--
JUN											
11...	0905	97	100	4	19	86	99	100	--	--	--
11...	0935	100	--	9	16	76	92	100	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY

LOCATION.--Lat 35°49'16", long 90°25'56", in SE1/4 sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6.

DRAINAGE AREA.--2,374 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
11...	0930	80513	82913	305	385	8.4	19.5	0.15	7.5	82
NOV										
28...	1200	80513	82913	526	280	7.7	8.0	0.18	9.2	78
DEC										
13...	1210	80513	82913	426	303	8.1	7.0	0.09	7.1	59
JAN										
23...	1415	80513	82913	1200	215	7.6	3.0	0.09	11.6	88
23...	1500	80513	82913	1130	209	7.5	3.0	0.15	12.6	95
FEB										
21...	1245	80513	82913	993	232	7.6	7.5	0.12	10.8	91
MAR										
20...	1255	80513	82913	979	256	7.5	6.0	0.09	10.4	84
APR										
16...	1340	80513	82913	1230	201	7.8	13.5	0.12	10.4	100
MAY										
22...	0915	80513	82913	1510	156	7.3	24.0	0.09	5.8	70
22...	1010	80513	82913	5270	133	7.3	22.0	0.06	6.0	69
JUN										
11...	1300	80513	82913	1380	150	7.2	20.5	0.09	7.9	89
11...	1330	80513	82913	3960	141	7.2	20.5	0.09	6.8	76
JUL										
10...	0645	80513	82913	645	339	7.4	25.0	0.15	4.4	54
AUG										
06...	0715	80513	82913	991	167	7.9	26.0	0.09	5.4	67
SEP										
04...	0715	80513	82913	247	376	8.0	26.0	0.12	6.2	77

DATE	TIME	SAMPLE SOURCE (72005)	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)
OCT									
11...	0930	--	58	48	99	100	--	--	--
NOV									
28...	1200	--	59	84	94	94	100	--	--
DEC									
13...	1210	--	68	78	80	80	100	--	--
JAN									
23...	1415	67	134	434	96	96	97	100	--
23...	1500	68	138	421	96	96	100	--	--
FEB									
21...	1245	--	494	1320	27	44	91	99	100
MAR									
20...	1255	--	192	508	47	51	86	100	--
APR									
16...	1340	--	45	149	84	84	100	--	--
MAY									
22...	0915	67	87	355	70	74	87	100	--
22...	1010	68	100	1420	91	96	100	--	--
JUN									
11...	1300	67	197	734	48	66	99	100	--
11...	1330	68	50	535	96	96	100	--	--
JUL									
10...	0645	--	86	150	100	--	--	--	--
AUG									
06...	0715	--	100	268	100	--	--	--	--
SEP									
04...	0715	--	--	--	100	--	--	--	--

07040450 ST. FRANCIS RIVER AT LAKE CITY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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)
OCT									
11...	0930	54	65	83	98	100	--	--	--
NOV									
28...	1200	7	19	64	96	100	--	--	--
DEC									
13...	1210	7	14	50	93	100	--	--	--
JAN									
23...	1415	1	1	48	95	100	--	--	--
23...	1500	27	54	79	96	100	--	--	--
FEB									
21...	1245	19	26	60	90	100	--	--	--
MAR									
20...	1255	4	9	61	95	100	--	--	--
APR									
16...	1340	8	12	55	93	100	--	--	--
MAY									
22...	0915	3	5	55	96	100	--	--	--
22...	1010	6	10	69	98	100	--	--	--
JUN									
11...	1300	3	13	79	91	99	100	--	--
11...	1330	2	9	74	90	100	--	--	--
JUL									
10...	0645	15	26	59	96	100	--	--	--
AUG									
06...	0715	25	32	70	97	97	--	97	100
SEP									
04...	0715	16	28	57	91	94	--	94	100

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE

LOCATION.--Lat 35°51'39", long 90°19'49", in SW1/4SE1/4 sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi southeast of Monette.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
NOV											
28...	1050	80513	80513	--	290	8.1	8.0	--	7.0	59	--
DEC											
13...	1030	80513	82913	125	278	7.7	7.0	0.09	6.1	51	224
JAN											
24...	0745	80513	80513	0.0	411	7.0	6.5	--	11.8	96	--
FEB											
21...	1145	80513	82913	198	418	7.3	11.5	0.18	8.5	79	105
MAR											
20...	1145	80513	82913	162	434	7.4	5.0	0.06	10.8	87	105
APR											
16...	1205	80513	82913	196	418	7.4	13.5	0.15	11.4	110	40
MAY											
21...	1750	80513	82913	227	416	7.2	22.0	0.09	6.5	76	578
JUN											
11...	1055	80513	82913	280	372	7.2	20.5	0.09	6.8	76	70

DATE	TIME	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)
DEC											
13...	1030	76	92	96	100	--	11	24	82	97	100
FEB											
21...	1145	56	84	94	100	--	24	32	73	95	100
MAR											
20...	1145	46	89	93	100	--	18	23	77	98	100
APR											
16...	1205	21	98	98	100	--	9	13	15	95	100
MAY											
21...	1750	354	83	89	98	100	50	75	91	94	100
JUN											
11...	1055	53	80	80	100	--	5	19	70	96	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE

LOCATION.--Lat 35°40'20", long 90°29'12", in SW1/4 sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi upstream from St. Francis River.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 11.	1100	80513	82913	434	423	8.1	19.5	0.15	7.4
NOV 28.	1145	80513	82913	535	274	7.9	8.0	0.18	10.2
DEC 13.	1300	80513	82913	606	310	8.0	7.0	0.12	7.2
JAN 24.	0930	80513	82913	2690	223	7.2	2.5	0.06	10.8
FEB 21.	1345	80513	82913	1200	394	7.8	8.0	0.18	12.2
MAR 20.	1355	80513	82913	1480	353	7.0	8.0	0.06	10.4
APR 16.	1425	80513	82913	1340	416	7.4	16.0	0.18	10.5
MAY 22.	1505	80513	82913	1380	416	7.2	24.0	0.09	8.0
JUN 12.	0720	80513	82913	6700	150	7.1	20.0	0.06	7.2
JUL 10.	0745	80513	82913	1270	402	7.5	25.0	0.15	8.1
AUG 06.	0815	80513	82913	2620	158	7.6	26.0	0.09	7.6
SEP 04.	1000	80513	82913	543	436	8.2	26.0	0.15	7.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT 11.	1100	81	51	60	97	100	--	--	60
NOV 28.	1145	86	31	45	93	93	100	--	5
DEC 13.	1300	60	73	119	56	91	100	--	54
JAN 24.	0930	79	597	4340	98	98	99	100	8
FEB 21.	1345	104	49	159	95	97	100	--	58
MAR 20.	1355	89	262	1050	100	--	--	--	36
APR 16.	1425	106	65	235	94	94	100	--	43
MAY 22.	1505	96	79	294	99	99	100	--	44
JUN 12.	0720	80	464	8390	97	99	100	--	35
JUL 10.	0745	98	86	295	100	--	--	--	44
AUG 06.	0815	94	119	842	100	--	--	--	36
SEP 04.	1000	97	77	113	96	96	100	--	52

DATE	TIME	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. 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 11.	1100	88	96	96	97	--	97	100
NOV 28.	1145	16	48	58	66	73	79	100
DEC 13.	1300	79	93	96	100	--	--	--
JAN 24.	0930	17	80	98	100	--	--	--
FEB 21.	1345	76	90	100	--	--	--	--
MAR 20.	1355	79	92	97	100	--	--	--
APR 16.	1425	63	82	93	100	--	--	--
MAY 22.	1505	75	91	93	100	--	--	--
JUN 12.	0720	63	93	97	100	--	--	--
JUL 10.	0745	72	91	97	100	--	--	--
AUG 06.	0815	67	92	93	93	93	100	--
SEP 04.	1000	82	98	99	100	--	--	--

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE

LOCATION.--Lat 35°32'15", long 90°29'05", in SE1/4NE1/4 sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi northwest of Marked Tree.

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

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: October 1990 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,690 mg/L December 6, 1991; minimum daily mean, 13 mg/L, January 1, 1993.

SEDIMENT LOADS: Maximum daily, 96,600 tons, December 6, 1991; minimum daily, 2.2 tons, Nov. 12, 1994.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 783 mg/L, April 3; minimum daily mean, 16 mg/L, December 14-18.

SEDIMENT LOADS: Maximum daily, 11,000 tons, April 3; minimum daily, 6.6 tons, September 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV									
29...	0915	80513	82913	1190	278	8.1	9.0	0.18	9.1
DEC									
13...	1355	80513	82913	844	298	8.1	7.5	0.12	7.8
JAN									
24...	1015	80513	82913	4320	213	7.2	2.0	0.06	13.0
24...	1040	80513	82913	792	--	--	2.0	0.06	--
24...	1050	80513	82913	37	--	--	3.0	0.06	--
24...	1105	80513	82913	82	--	--	3.0	0.06	--
FEB									
21...	1545	80513	82913	2750	217	7.2	8.0	0.15	10.4
21...	1615	80513	82913	361	--	--	9.0	0.18	--
MAR									
21...	0825	80513	82913	2000	285	7.5	7.0	0.12	10.8
21...	0905	80513	82913	156	--	--	7.0	0.09	--
APR									
17...	0825	80513	82913	3160	211	7.2	15.5	0.12	9.2
17...	0855	80513	82913	387	--	--	14.0	0.09	--
MAY									
22...	1615	80513	82913	5580	173	7.0	24.0	0.12	8.1
22...	1650	80513	82913	1280	--	--	24.0	0.09	--
JUN									
12...	0845	80513	82913	7720	140	7.1	20.5	0.06	7.2
12...	0915	80513	82913	1970	--	--	20.5	0.09	--
12...	0940	80513	82913	107	--	--	20.5	0.06	--

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SAMPLE SOURCE (72005)	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)
NOV									
29...	0915	79	--	45	145	99	99	100	--
DEC									
13...	1355	65	--	60	137	71	71	86	100
JAN									
24...	1015	94	67	260	3030	97	99	100	--
24...	1040	--	68	261	558	97	97	98	100
24...	1050	--	68	160	16	97	97	100	--
24...	1105	--	68	435	96	99	99	100	--
FEB									
21...	1545	89	67	38	282	96	96	98	100
21...	1615	--	68	47	46	85	85	100	--
MAR									
21...	0825	89	67	65	351	99	99	100	--
21...	0905	--	68	88	37	97	97	99	100
APR									
17...	0825	93	67	47	401	96	96	96	100
17...	0855	--	68	57	60	95	95	95	100
MAY									
22...	1615	97	67	88	1330	78	82	89	96
22...	1650	--	68	173	598	60	82	96	100
JUN									
12...	0845	81	67	329	6860	91	94	99	100
12...	0915	--	68	364	1940	99	99	100	--
12...	0940	--	68	233	67	97	99	100	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV									
29...	0915	--	5	50	93	97	100	--	--
DEC									
13...	1355	--	12	58	96	99	100	--	--
JAN									
24...	1015	--	7	43	88	93	98	98	100
24...	1040	--	1	1	29	93	99	99	100
24...	1050	--	50	70	85	100	--	--	--
24...	1105	--	11	29	70	93	97	97	100
FEB									
21...	1545	--	47	72	91	97	100	--	--
21...	1615	--	1	2	61	97	100	--	--
MAR									
21...	0825	--	29	64	94	100	--	--	--
21...	0905	--	3	4	64	97	100	--	--
APR									
17...	0825	--	20	56	98	100	--	--	--
17...	0855	--	1	2	59	98	100	--	--
MAY									
22...	1615	100	10	63	97	99	100	--	--
22...	1650	--	2	3	65	98	100	--	--
JUN									
12...	0845	--	7	50	93	97	100	--	--
12...	0915	--	8	53	94	99	100	--	--
12...	0940	--	8	48	93	97	100	--	--

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	e900	86	208	1150	82	253	e1140	43	132
2	e1000	73	197	e1120	76	229	e1100	36	107
3	e1070	54	156	e1090	73	215	e1080	35	102
4	1120	37	113	e1040	62	175	e1060	35	100
5	e1200	35	114	e990	61	163	e1020	35	96
6	e1240	35	118	e950	62	159	e980	35	92
7	e1300	36	128	e1100	160	475	e960	33	85
8	e1340	40	143	e1700	609	2800	e930	27	67
9	e1390	40	150	2730	578	4260	e910	25	62
10	e1420	40	154	3230	362	3160	e880	25	59
11	1460	40	159	2580	251	1750	e870	24	56
12	e1450	38	147	e2300	166	1030	e860	18	41
13	e1420	38	145	e2300	204	1270	844	17	38
14	e1390	38	143	e2400	234	1510	e820	16	36
15	e1360	38	140	e2320	181	1140	e810	16	35
16	e1290	39	135	e2150	150	871	e800	16	35
17	e1230	39	129	e1900	132	680	e810	16	35
18	e1200	39	127	e1670	118	531	e820	16	35
19	e1170	40	126	e1480	110	438	e900	112	271
20	e1130	40	122	e1300	103	362	e1200	460	1490
21	e1100	41	121	e1210	102	332	e1700	220	1010
22	e1050	41	116	e1200	95	307	2480	90	603
23	e1020	41	113	e1210	88	287	3070	50	418
24	e1000	42	113	e1220	86	283	2480	46	309
25	e990	43	115	e1230	79	262	e2320	45	281
26	e980	48	128	e1240	71	236	e2300	39	241
27	e970	51	133	e1230	62	205	e2350	38	241
28	e990	56	150	e1210	53	174	e2420	38	248
29	e1020	60	165	1190	46	147	e2500	37	249
30	e1070	71	206	e1070	45	130	e2550	31	212
31	e1120	75	228	---	---	---	e2540	30	205
TOTAL	36390	---	4442	47510	---	23834	45504	---	6991
	JANUARY			FEBRUARY			MARCH		
1	2500	29	196	5180	61	851	e940	53	134
2	2400	29	185	4760	60	765	e830	53	119
3	2500	31	210	4460	52	627	e740	53	106
4	2880	61	473	4460	51	614	e680	54	100
5	3300	50	447	4540	50	618	635	56	96
6	3240	42	364	4210	48	545	e640	58	100
7	2820	35	265	4290	51	586	e660	80	143
8	3040	33	271	4760	51	655	e710	73	140
9	2920	28	218	4670	51	645	e800	56	121
10	3090	26	218	4530	52	635	e900	54	131
11	2640	38	270	4220	52	592	e1050	54	153
12	3450	254	2360	3970	52	557	e1200	54	175
13	4600	272	3380	3430	52	482	e1300	55	192
14	5320	129	1860	2910	52	409	e1430	59	229
15	5730	76	1170	3390	52	476	e1510	60	245
16	5350	59	859	3550	52	498	e1620	61	265
17	4440	48	578	2890	52	406	e1730	64	301
18	4620	51	635	e2810	52	394	e1800	65	317
19	5080	79	1080	e2950	52	414	e1910	66	340
20	5360	58	834	e3050	52	429	e2010	66	359
21	5080	45	620	3060	53	436	2160	67	389
22	4820	43	564	3080	53	441	e2220	66	396
23	5220	63	889	e2750	53	393	e2190	66	390
24	5480	254	3750	e2200	53	315	e2200	83	493
25	6130	204	3370	e1700	53	243	e2400	287	1860
26	6750	121	2200	e1500	53	215	e2800	217	1640
27	7010	83	1560	e1300	53	186	3330	157	1410
28	6820	70	1290	e1200	53	172	3690	118	1180
29	6520	63	1120	e1070	53	153	3690	95	945
30	6200	65	1080	---	---	---	3100	83	692
31	5480	61	900	---	---	---	2950	81	644
TOTAL	140790	---	33216	96890	---	13752	53825	---	13805

e Estimated

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	3690	164	1630	8300	216	4850	9120	63	1550
2	4480	709	8580	9270	141	3520	8610	53	1230
3	5210	783	11000	9200	114	2840	8140	64	1400
4	5380	444	6450	8610	101	2350	7750	113	2370
5	4750	218	2800	7910	88	1880	7470	131	2640
6	3710	180	1800	7260	246	4830	6840	269	4970
7	3500	168	1580	6640	244	4370	7140	253	4880
8	3230	157	1370	7670	165	3410	7770	144	3010
9	3060	146	1200	8190	125	2760	8320	136	3060
10	3330	134	1210	8520	134	3090	8580	136	3160
11	3650	120	1180	8840	117	2790	9130	186	4590
12	2880	107	836	9100	116	2840	9500	283	7260
13	3280	90	796	9630	222	5760	9670	235	6150
14	3810	75	767	10100	157	4290	9570	186	4810
15	3790	62	632	10300	128	3560	9220	141	3510
16	3410	56	513	10100	73	1980	8720	127	3000
17	2920	51	404	9740	54	1410	7880	117	2490
18	2930	51	402	9370	51	1300	6540	173	3060
19	e3000	50	405	8800	52	1230	5150	283	3940
20	e3060	49	406	8310	50	1130	4740	160	2050
21	e3180	49	420	7740	67	1390	4780	117	1510
22	3380	63	579	7040	166	3150	4630	95	1190
23	4560	269	3310	6840	77	1420	4200	91	1030
24	5020	155	2110	6380	98	1680	3850	88	915
25	5210	109	1530	5860	114	1810	3490	89	838
26	6270	192	3240	5760	94	1460	3640	105	1030
27	6710	147	2660	5760	81	1260	3730	101	1020
28	5820	104	1630	5870	148	2340	3320	84	756
29	5260	72	1020	6900	239	4450	3050	72	597
30	6280	192	3260	8360	140	3150	e2920	66	520
31	---	---	---	9450	87	2210	---	---	---
TOTAL	124760	---	63720	251820	---	84510	197470	---	78536
	JULY			AUGUST			SEPTEMBER		
1	e2750	61	452	5550	430	6450	e75	40	8.1
2	e2200	56	335	6090	232	3810	e69	40	7.5
3	e1900	55	283	5630	281	4270	e65	40	7.0
4	e1670	56	251	5850	211	3340	e62	41	6.8
5	e1450	54	213	5550	148	2210	e61	40	6.6
6	e1300	55	194	3750	126	1280	e65	40	7.0
7	e1220	53	176	e2700	109	796	e71	40	7.7
8	e1130	54	164	e2100	97	548	e73	41	8.1
9	e1080	52	151	e1600	85	365	e74	41	8.2
10	1040	49	139	e1200	73	235	e74	41	8.2
11	e1010	50	136	e980	61	160	e73	42	8.3
12	e1000	51	138	e800	50	109	e71	47	9.1
13	e960	51	133	e650	47	83	e69	48	8.9
14	e910	49	119	e540	38	56	e68	48	8.8
15	e890	49	118	e460	37	46	e67	94	17
16	e880	50	119	e390	38	40	e300	648	525
17	e870	51	120	e340	38	35	e1500	307	1240
18	e860	52	121	e290	38	30	e1300	128	449
19	e860	53	123	e260	38	27	e1150	88	272
20	e860	54	125	e230	38	24	e1000	84	227
21	e870	58	136	e200	38	21	e950	79	202
22	e900	87	212	e180	38	18	e900	92	224
23	e1000	185	499	e160	38	16	e1500	430	1740
24	e1140	218	671	e140	39	15	2500	241	1630
25	1410	168	641	e130	39	14	e2150	70	409
26	e1600	119	515	e120	39	13	e2000	57	310
27	e1750	104	490	e110	39	12	e2100	58	328
28	e1950	93	490	e100	39	11	e2150	58	337
29	e2200	117	698	e92	39	9.7	2260	58	354
30	e2600	188	1320	e85	39	9.0	2380	58	373
31	3380	214	1950	e79	40	8.5	---	---	---
TOTAL	43640	---	11232	46356	---	24061.2	25177	---	8747.3
YEAR	1110132		366846.5						

e Estimated

07047815 CROSS COUNTY DITCH NEAR BIRDEYE

LOCATION.--Lat 35°21'38", long 90°39'00", in NE1/4SE1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42 2.3 mi east of Birdeye.

DRAINAGE AREA.--Not determined

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1995, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 166.02 ft above sea level. Prior to October 1995 non-recording gage at same site and datum.

REMARKS.--Water-discharge records fair, except estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	1360	1390	2730	5450	2040	3490	6570	10000	e1300	4610	120
2	846	819	1200	3150	5200	2400	4350	8310	9360	e1200	5480	107
3	1390	657	1380	2890	4840	2410	5140	8460	8490	e1100	5070	102
4	1030	575	1350	3410	5820	1530	5710	7880	7720	e1050	5200	93
5	928	433	1180	3600	7550	727	5280	7090	7260	e980	5100	106
6	965	403	1130	3690	8480	814	3980	6580	6850	e930	4180	199
7	828	472	1060	3140	5800	1510	3670	6110	7210	e890	2090	171
8	788	1100	1170	3550	4940	2070	3460	6470	7630	863	1200	146
9	904	2700	1040	3410	4800	2530	3210	7070	8440	964	930	198
10	760	3400	989	3770	4640	2730	3310	7350	8550	1040	613	205
11	1050	2890	1040	3160	4360	2470	3680	8180	9100	1360	504	146
12	790	1350	1070	3670	4090	1640	3470	8480	9680	622	347	125
13	958	2170	1110	4830	3720	1380	3170	9030	8890	544	316	103
14	906	2720	1150	5640	2790	1440	3820	9800	e8000	679	509	94
15	528	1830	1160	6100	3290	1580	3950	10400	e6900	602	238	98
16	905	979	1140	5900	3600	2050	3690	10500	e6000	576	164	268
17	710	906	1090	4540	3380	1280	3250	10200	e5100	694	247	344
18	718	862	1130	4500	2570	1200	2910	9850	e4400	839	358	427
19	731	734	1440	5070	1450	1350	2490	9450	e4000	1080	195	458
20	816	801	1280	5470	2420	1690	2300	8960	e3500	656	183	443
21	666	940	1700	5380	3100	2200	2400	8600	e3200	464	226	402
22	753	959	2640	4740	3200	1680	3100	7930	e2800	811	274	356
23	624	994	3340	5360	2150	1440	4330	7820	e2500	1270	249	967
24	750	1070	3220	5740	1870	1600	4580	7640	e2300	1020	209	2380
25	984	1220	2490	6460	1730	2130	4660	7220	e2100	1320	166	1250
26	1280	1410	2670	7310	1260	2010	5150	7130	e1900	1330	139	912
27	453	1270	2190	7820	1020	3130	5850	7150	e1700	1820	149	463
28	301	1200	2030	7760	1080	3680	5510	7320	e1600	1080	155	520
29	678	1270	2120	7370	1310	3780	4780	7520	e1500	1200	115	1690
30	1760	1250	2090	6970	---	3490	5350	8520	e1400	1280	113	2660
31	1170	---	2350	6330	---	2900	---	10000	---	1970	122	---
TOTAL	27020	38744	50339	153460	105910	62881	120040	253590	168080	31534	39451	15553
MEAN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
MAX	1760	3400	3340	7820	8480	3780	5850	10500	10000	1970	5480	2660
MIN	301	403	989	2730	1020	727	2300	6110	1400	464	113	93
MED	828	1080	1280	4830	3380	2010	3750	7930	6420	1020	274	236
AC-FT	53590	76850	99850	304400	210100	124700	238100	503000	333400	62550	78250	30850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
MAX	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	872	1291	1624	4950	3652	2028	4001	8180	5603	1017	1273	518
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	1066602	
ANNUAL MEAN	2914	
HIGHEST DAILY MEAN	10500	May 16
LOWEST DAILY MEAN	93	Sep 4
ANNUAL SEVEN-DAY MINIMUM	109	Aug 30
INSTANTANEOUS PEAK FLOW	10500	May 16
INSTANTANEOUS PEAK STAGE	28.91	May 16
INSTANTANEOUS LOW FLOW	90	Sep 4
ANNUAL RUNOFF (AC-FT)	2116000	
10 PERCENT EXCEEDS	7360	
50 PERCENT EXCEEDS	1820	
90 PERCENT EXCEEDS	353	

eEstimated

07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
29...	1105	80513	82913	1250	8.0	0.18	57	192	94	94
DEC										
14...	1215	80513	82913	1290	7.5	0.15	50	174	86	86
JAN										
24...	1320	80513	82913	5900	3.0	0.06	342	5450	87	92
FEB										
22...	1105	80513	82913	3200	9.5	0.09	66	570	88	98
MAR										
21...	1035	80513	82913	2350	8.0	0.12	132	838	76	93
APR										
17...	1105	80513	82913	3580	14.0	0.12	67	648	82	89
MAY										
22...	1815	80513	82913	7200	24.0	0.09	91	1770	92	95
JUN										
12...	1025	80513	82913	10300	20.5	0.06	498	13800	87	93

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
29...	1105	94	100	1	3	33	97	100	--
DEC									
14...	1215	100	--	3	8	74	100	--	--
JAN									
24...	1320	98	100	0	0	9	75	100	--
FEB									
22...	1105	99	100	6	18	62	92	100	--
MAR									
21...	1035	97	100	0	1	12	82	99	100
APR									
17...	1105	93	100	6	23	79	100	--	--
MAY									
22...	1815	97	100	17	64	97	99	100	--
JUN									
12...	1025	99	100	11	50	92	99	100	--

07047882 STRAIGHT SLOUGH NEAR BIRDEYE

LOCATION.--Lat 35°21'45", long 90°39'26", in NE1/4SW1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42 1.78 mi east of Birdeye.

DRAINAGE AREA.--Not determined

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1989, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 172.75 ft above sea level. Prior to October 1995 non-recording gage at same site and datum.

REMARKS.--Water-discharge records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e52	64	96	99	420	232	595	1870	e140	e160	506	62
2	66	74	96	241	396	193	427	e1300	e150	e150	937	66
3	100	80	93	555	479	176	542	e800	e150	e150	803	58
4	125	70	92	375	1760	156	707	e650	e160	e140	e540	54
5	74	64	90	232	3880	152	621	e580	e170	e130	e170	49
6	57	70	89	262	4720	208	350	e540	e180	e130	e50	52
7	55	1240	85	139	2410	274	251	e600	e190	e120	e58	58
8	53	4150	85	191	707	236	203	e900	e210	e120	81	52
9	51	1210	86	184	517	188	163	e1300	e220	115	127	49
10	50	395	86	174	454	178	160	e1000	e240	103	141	49
11	50	814	85	156	369	169	206	e700	e260	105	113	43
12	50	785	81	339	299	152	206	e550	e270	111	96	50
13	48	265	81	447	245	146	217	e440	e290	120	90	47
14	47	176	78	519	121	143	492	e340	e310	118	83	43
15	48	142	80	595	145	142	337	e300	e330	125	82	44
16	47	123	78	612	191	141	254	e280	e330	140	82	607
17	47	115	77	394	187	140	183	e240	e320	133	80	1100
18	48	109	138	341	118	141	136	e220	e300	153	79	399
19	49	105	823	445	757	229	192	e190	e280	123	85	186
20	50	100	689	458	4180	283	474	e180	e270	107	81	112
21	52	99	244	454	1520	194	309	e160	e260	105	77	85
22	52	96	153	338	585	158	443	e150	e250	97	69	71
23	50	101	174	381	293	140	1020	e140	e240	186	71	60
24	52	132	209	528	216	136	721	e140	e230	316	69	81
25	54	137	101	581	184	1230	600	e140	e220	200	71	e60
26	57	112	110	632	170	976	708	e130	e210	151	73	e50
27	67	107	89	759	170	324	1110	e130	e200	125	73	e75
28	122	107	86	799	833	314	1040	e130	e190	115	78	e115
29	92	103	83	720	495	527	1370	e140	e180	109	75	e170
30	67	99	85	628	---	416	3220	e140	e170	138	69	e250
31	62	---	91	537	---	380	---	e140	---	185	61	---
TOTAL	1894	11244	4533	13115	26821	8474	17257	14520	6920	4280	5070	4197
MEAN	61.1	375	146	423	925	273	575	468	231	138	164	140
MAX	125	4150	823	799	4720	1230	3220	1870	330	316	937	1100
MIN	47	64	77	99	118	136	136	130	140	97	50	43
AC-FT	3760	22300	8990	26010	53200	16810	34230	28800	13730	8490	10060	8320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	61.1	375	146	423	925	273	575	1420	231	138	164	140
MAX	61.1	375	146	423	925	273	575	1420	231	138	164	140
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	61.1	375	146	423	925	273	575	1420	231	138	164	140
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	118325	
ANNUAL MEAN	323	
HIGHEST DAILY MEAN	4720	Feb 6
LOWEST DAILY MEAN	43	Sep 11
ANNUAL SEVEN-DAY MINIMUM	46	Sep 9
INSTANTANEOUS PEAK FLOW	5030	Feb 5
INSTANTANEOUS PEAK STAGE	19.43	Jun 1
INSTANTANEOUS LOW FLOW	39	Sep 14
ANNUAL RUNOFF (AC-FT)	234700	
10 PERCENT EXCEEDS	707	
50 PERCENT EXCEEDS	153	
90 PERCENT EXCEEDS	58	

[e]Estimated

07047900 ST. FRANCIS BAY AT RIVERFRONT

LOCATION.--Lat 35°15'34", long 90°40'48", in W1/2 sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
16.	1235	80513	82913	561	386	7.9	18.5	0.18	8.0
NOV									
30.	0850	80513	82913	1160	306	8.1	8.0	0.18	11.8
DEC									
13.	1515	80513	82913	1040	287	8.1	7.0	0.18	7.4
JAN									
24.	1600	80513	82913	6230	236	7.3	4.0	0.06	11.7
FEB									
22.	0845	80513	82913	3520	168	7.6	9.5	0.06	9.8
MAR									
21.	1345	80513	82913	2350	306	7.4	9.0	0.09	10.6
APR									
17.	1330	80513	82913	3390	240	7.2	15.5	0.09	10.8
MAY									
23.	1000	80513	82913	6370	172	7.1	23.5	0.09	7.2
JUN									
12.	1200	80513	82913	9560	140	7.1	20.5	0.09	8.2
JUL									
10.	1415	80513	82913	847	352	7.8	29.0	0.09	8.4
AUG									
06.	1630	80513	82913	4080	194	7.8	26.5	0.09	8.0
SEP									
04.	1515	80513	82913	167	452	8.0	26.0	0.15	8.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	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)
OCT								
16.	1235	86	28	42	96	96	100	--
NOV								
30.	0850	100	50	157	92	92	100	--
DEC								
13.	1515	61	40	112	79	79	90	100
JAN								
24.	1600	89	401	6750	82	87	99	100
FEB								
22.	0845	87	560	5320	18	19	61	100
MAR								
21.	1345	92	93	590	76	76	100	--
APR								
17.	1330	108	697	6380	10	11	68	100
MAY								
23.	1000	86	112	1930	83	98	99	100
JUN								
12.	1200	92	686	17700	67	79	100	--
JUL								
10.	1415	110	112	256	88	88	92	100
AUG								
06.	1630	100	--	--	99	100	--	--
SEP								
04.	1515	100	72	32	100	--	--	--

DATE	TIME	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. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
OCT								
16.	1235	1	1	15	90	100	--	--
NOV								
30.	0850	4	27	72	96	100	--	--
DEC								
13.	1515	27	66	94	97	100	--	--
JAN								
24.	1600	0	0	34	97	100	--	--
FEB								
22.	0845	1	1	36	96	100	--	--
MAR								
21.	1345	0	0	29	92	100	--	--
APR								
17.	1330	23	61	88	95	100	--	--
MAY								
23.	1000	2	2	33	95	100	--	--
JUN								
12.	1200	80	87	91	95	100	--	--
JUL								
10.	1415	0	0	44	96	100	--	--
AUG								
06.	1630	58	78	98	100	--	--	--
SEP								
04.	1515	0	0	20	99	99	99	100

07047904 CLARK CORNER CUT-OFF NEAR COLT

LOCATION.--Lat 35°08'41", long 90°39'23", in NW1/4NE1/4 sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on Old Military Road 9.0 mi east of Colt.

DRAINAGE AREA.--Not determined

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year. October 1, 1977 to September 30, 1995, monthly discharge measurements and sediment samples

GAGE.--Water-stage recorder. Datum of gage is 154.87 ft above sea level. Prior to October 1995 non-recording gage at same site and datum. Water-stage recorder from St. Francis Bay at Riverfront (07047900) 9.1 mi upstream used as auxiliary gage for this station at datum 171.25 ft above sea level.

REMARKS.--Water-discharge records fair, except estimated daily discharges Dec. 15 to Jan. 9, June 5-16, and Sept. 25-30, which are poor.

COOPERATION.--Gage-height record for the auxiliary gage provided by the U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1000	1250	1420	e3000	4500	1920	3320	8590	9510	2300	5930	e285
2	1100	1080	1320	e3300	4280	2300	3720	11700	9350	1940	8130	280
3	1390	909	1400	e3700	4140	2340	4400	10700	8380	1930	7330	267
4	1280	846	1420	e3900	4860	1820	5200	8990	7580	1750	7480	254
5	1070	807	1330	e3900	5020	1180	4900	7240	e6900	1160	7370	242
6	1020	755	1240	e3900	5180	962	3690	6170	e6600	912	5970	327
7	1010	1070	1190	e4300	7230	1450	3370	6370	e7300	1260	3310	383
8	1010	3470	1220	e4100	4840	1950	3190	6440	e8700	1060	1790	301
9	878	3480	1210	e3800	4400	2350	2920	6720	e9200	949	1410	333
10	1020	3570	1150	3560	4350	2590	2960	6930	e8800	961	1040	374
11	961	3800	1140	3180	4270	2470	3380	8850	e9200	1320	858	328
12	1020	2210	1190	3500	4120	1770	3360	8910	e9400	821	669	270
13	961	2060	1210	4890	3790	1490	3020	8440	e9500	546	549	251
14	1020	2650	1220	5930	2820	1510	4040	9050	e9600	613	686	228
15	909	2170	e1200	6570	3130	1550	3990	9690	e8900	659	556	e400
16	832	1330	e1300	6680	3480	1900	3690	9820	e8100	582	393	779
17	965	1090	e1500	4910	3350	1610	3210	9630	7340	665	370	1660
18	873	1050	e2500	4440	2620	1280	2740	9290	7190	784	585	1200
19	875	980	e2300	5240	1940	1450	2620	8880	5300	1020	439	891
20	904	933	e2100	5610	5280	1690	2890	8580	4250	749	376	763
21	896	981	e1900	5770	4110	2080	2630	8260	3990	521	396	673
22	864	1110	e2600	4590	3490	1840	3220	7770	3810	548	455	583
23	869	1100	e3600	5180	2360	1530	5490	7680	3510	1170	466	816
24	854	1150	e3000	6290	1960	1500	5770	7640	3180	1240	434	2820
25	917	1260	e3400	6680	1750	2950	5630	7360	3110	1370	400	e1600
26	1330	1450	e3100	7220	1600	2690	6350	7270	3290	1340	342	e1000
27	988	1380	e3000	7770	1190	3020	8080	7300	3610	1740	367	e700
28	750	1290	e2900	7530	1550	3490	7070	7540	3620	1270	385	e1200
29	750	1320	e2800	6850	1730	3720	5830	7400	3340	1090	319	e2200
30	1410	1310	e2700	6210	---	3380	9500	7910	2920	1250	295	e4200
31	1380	---	e2700	5560	---	2650	---	9020	---	1590	e290	---
TOTAL	31106	47861	60260	158060	103340	64432	130180	256140	195480	35110	59390	25608
MEAN	1003	1595	1944	5099	3563	2078	4339	8263	6516	1133	1916	854
MAX	1410	3800	3600	7770	7230	3720	9500	11700	9600	2300	8130	4200
MIN	750	755	1140	3000	1190	962	2620	6170	2920	521	290	228
AC-FT	61700	94930	119500	313500	205000	127800	258200	508100	387700	69640	117800	50790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
MAX	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	1003	1595	1944	5099	3563	2078	4339	8263	6622	1154	1916	854
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1996 WATER YEAR	
ANNUAL TOTAL	1166967	
ANNUAL MEAN	3188	
HIGHEST DAILY MEAN	11700	May 2
LOWEST DAILY MEAN	228	Sep 14
ANNUAL SEVEN-DAY MINIMUM	273	Aug 30
INSTANTANEOUS PEAK FLOW	14500	Feb 7
INSTANTANEOUS PEAK STAGE	25.93	Feb 7
INSTANTANEOUS LOW FLOW	227	Sep 14
ANNUAL RUNOFF (AC-FT)	2315000	
10 PERCENT EXCEEDS	7600	
50 PERCENT EXCEEDS	2250	
90 PERCENT EXCEEDS	583	

eEstimated

07047904 CLARK CORNER CUTOFF NEAR COLT--CONTINUED
WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (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)
NOV 29...	1405	80513	82913	1310	8.0	0.18	57	202	99
DEC 14...	0920	80513	82913	1170	7.0	0.09	68	215	99
JAN 25...	0915	80513	82913	5670	2.0	0.06	334	5110	96
FEB 22...	1335	80513	82913	3650	8.5	0.12	106	1040	99
MAR 22...	0845	80513	82913	1990	8.0	0.12	72	387	99
APR 17...	1500	80513	82913	3330	15.5	0.12	76	683	99
MAY 22...	1915	80513	82913	7440	24.0	0.09	681	13700	85
JUN 12...	1415	80513	82913	9470	20.5	0.09	316	8080	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	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 29...	1405	99	99	100	1	1	22	95	100
DEC 14...	0920	99	100	--	1	1	12	90	100
JAN 25...	0915	98	99	100	2	2	54	98	100
FEB 22...	1335	99	100	--	3	4	47	98	100
MAR 22...	0845	99	100	--	1	1	55	99	99
APR 17...	1500	99	100	--	1	1	17	93	100
MAY 22...	1915	95	100	--	73	89	97	100	--
JUN 12...	1415	99	100	--	7	57	94	99	100

07047907 ST. FRANCIS RIVER AT MADISON

LOCATION.--Lat 35°00'38", long 90°43'05", in NE1/4SW1/4 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 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
12...	1015	80513	82913	1180	406	8.1	19.5	0.12	7.8	85	56
NOV											
29...	1545	80513	82913	1290	280	8.0	8.0	0.18	11.2	94	68
DEC											
14...	0815	80513	82913	1250	305	8.1	7.5	0.15	7.4	62	43
JAN											
25...	0800	80513	82913	6010	217	7.3	3.0	0.06	12.2	90	343
FEB											
22...	1515	80513	82913	3920	188	7.5	9.0	0.06	10.0	88	140
MAR											
21...	1515	80513	82913	2200	290	7.1	9.0	0.12	10.5	91	89
APR											
18...	0815	80513	82913	3110	235	7.3	15.5	0.09	9.4	95	102
MAY											
23...	0805	80513	82913	6290	166	6.9	23.5	0.09	5.0	60	57
JUN											
12...	1505	80513	82913	9970	191	7.1	20.5	0.09	7.2	81	328
JUL											
11...	0815	80513	82913	1280	333	7.9	25.0	0.12	7.1	86	84
AUG											
07...	0845	80513	82913	3850	310	8.1	26.5	0.09	7.8	97	190
SEP											
05...	1015	80513	82913	250	460	8.1	26.5	0.09	8.0	101	96

DATE	TIME	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...	1015	178	99	100	--	--	49	66	96	98	100
NOV											
29...	1545	237	95	97	100	--	1	1	22	95	100
DEC											
14...	0815	145	98	98	100	--	6	29	93	97	100
JAN											
25...	0800	5570	98	99	100	--	32	65	96	100	--
FEB											
22...	1515	1480	95	95	98	100	41	70	92	100	--
MAR											
21...	1515	529	98	98	100	--	30	58	94	99	100
APR											
18...	0815	856	96	96	100	--	90	94	98	100	--
MAY											
23...	0805	968	95	95	98	100	1	1	35	95	100
JUN											
12...	1505	8830	91	94	100	--	6	48	93	99	100
JUL											
11...	0815	290	97	98	100	--	6	49	97	98	100
AUG											
07...	0845	1980	96	99	100	--	58	84	99	100	--
SEP											
05...	1015	65	100	--	--	--	38	54	96	100	--

07047942 L'ANGUILLE RIVER NEAR COLT

LOCATION.--Lat 35°08'40", long 90°52'40", in NE1/4NW1/4 sec.15, T.6 N.,R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft above sea level.

REMARKS.--Water-discharge records good, except estimated daily discharges Oct. 15-31, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	59	32	88	295	583	507	590	178	36	180	233
2	284	66	30	152	258	602	472	628	212	29	191	228
3	538	78	26	226	241	597	451	626	162	25	196	217
4	449	78	24	201	241	578	426	597	145	23	187	199
5	390	77	22	220	241	556	390	558	139	23	164	189
6	360	76	20	244	175	541	350	521	132	24	130	180
7	340	115	19	242	97	540	310	636	262	25	99	167
8	312	171	18	226	84	519	268	847	477	25	72	154
9	274	189	25	198	73	497	236	1260	519	40	67	143
10	227	298	23	168	64	474	214	1750	650	49	62	133
11	179	412	18	153	55	448	176	1870	777	43	74	122
12	135	452	16	155	47	406	147	1630	838	36	95	108
13	104	483	15	139	42	363	194	1420	829	33	109	98
14	77	520	15	137	40	315	236	1270	785	29	117	95
15	e55	527	15	143	41	270	241	1050	676	49	118	88
16	e46	514	14	144	49	231	277	901	578	57	109	259
17	e42	492	14	140	57	189	288	813	524	47	92	459
18	e39	461	63	140	58	155	271	739	497	43	87	518
19	e34	423	254	161	129	197	242	662	496	56	109	586
20	e32	379	245	155	307	203	441	592	475	66	111	621
21	e30	322	232	170	307	215	605	526	479	65	129	621
22	e28	260	261	181	404	233	679	454	481	56	152	605
23	e27	200	278	194	460	231	811	377	450	56	164	579
24	e26	151	272	433	467	210	867	309	390	58	172	553
25	e25	109	251	417	458	517	884	233	323	53	162	528
26	e25	80	223	427	446	492	847	158	254	64	149	494
27	e26	60	193	443	446	468	778	103	174	77	154	619
28	e31	46	162	430	546	476	692	511	106	79	257	695
29	e40	39	128	402	549	476	626	460	61	90	241	695
30	e48	35	100	367	---	452	583	354	41	123	234	741
31	e56	---	90	330	---	538	---	258	---	161	231	---
TOTAL	4339	7172	3098	7226	6677	12572	13509	22703	12110	1640	4414	10927
MEAN	140	239	99.9	233	230	406	450	732	404	52.9	142	364
MAX	538	527	278	443	549	602	884	1870	838	161	257	741
MIN	25	35	14	88	40	155	147	103	41	23	62	88
AC-FT	8610	14230	6140	14330	13240	24940	26800	45030	24020	3250	8760	21670
CFSM	.26	.45	.19	.44	.43	.76	.84	1.37	.75	.10	.27	.68
IN.	.30	.50	.22	.50	.46	.87	.94	1.58	.84	.11	.31	.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	296	688	1249	1013	1076	1064	1148	806	518	257	254	482
MAX	1509	2807	3145	2857	4091	2977	3428	3033	2617	1507	608	2784
(WY)	1991	1989	1979	1991	1989	1975	1991	1983	1974	1994	1971	1978
MIN	5.10	23.3	11.9	43.2	151	222	229	39.6	25.3	23.8	63.8	74.1
(WY)	1995	1972	1990	1986	1972	1982	1992	1992	1988	1993	1980	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1971 - 1996	
ANNUAL TOTAL	158337		106387			
ANNUAL MEAN	434		291		735	
HIGHEST ANNUAL MEAN					1321	1989
LOWEST ANNUAL MEAN					271	1972
HIGHEST DAILY MEAN	4110	Jan 20	1870	May 11	15000	Dec 29 1987
LOWEST DAILY MEAN	14	Dec 16	14	Dec 16	1.0	Oct 27 1971
ANNUAL SEVEN-DAY MINIMUM	15	Dec 11	15	Dec 11	1.0	Oct 9 1992
INSTANTANEOUS PEAK FLOW			1910	May 11	16600	Apr 29 1991
INSTANTANEOUS PEAK STAGE			12.82	May 11	[a]17.34	Dec 30 1987
INSTANTANEOUS LOW FLOW			14	Dec 16,17	.99	Jul 20 1980
ANNUAL RUNOFF (AC-FT)	314100		211000		532700	
ANNUAL RUNOFF (CFSM)	.81		.54		1.37	
ANNUAL RUNOFF (INCHES)	11.01		7.40		18.67	
10 PERCENT EXCEEDS	936		605		1920	
50 PERCENT EXCEEDS	249		211		358	
90 PERCENT EXCEEDS	45		35		31	

[a]From floodmark
[e]Estimated

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
12.	1155	80513	82913	132	4.90	378	8.0	761	20.5	0.12	7.8
NOV											
08.	1305	80513	81213	166	--	268	7.4	771	10.5	--	7.8
30.	1000	80513	80513	33	3.60	290	7.9	760	9.0	--	6.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT											
12.	1155	87	--	--	--	--	--	--	--	--	--
NOV											
08.	1305	69	>2000	>2000	91	22	8.8	10	17	0.5	9.1
30.	1000	53	--	--	--	--	--	--	--	--	--

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
NOV											
08.	1305	78	14	18	0.20	9.7	158	143	0.21	70.8	0.560

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV											
08.	1305	0.560	2.5	0.030	0.10	0.590	0.590	0.220	0.28	0.49	0.71

DATE	TIME	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
NOV											
08.	1305	1.3	0.210	0.64	30	64	<0.50	<1.0	<5.0	<3.0	<10

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
NOV										
08.	1305	27	<10	<4	370	<10	<10	<1.0	80	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	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)
OCT										
12.	1155	--	103	37	--	99	100	90	98	100
NOV										
08.	1305	<4.0	158	71	99	--	--	--	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
04...	1145	80513	80513	50.0	0.10	0.20	62.0	22
04...	1146	80513	80513	50.0	0.10	0.20	67.0	--
04...	1147	80513	80513	50.0	0.40	0.80	72.0	--
04...	1148	80513	80513	50.0	0.40	0.80	77.0	--
04...	1149	80513	80513	50.0	0.50	1.00	82.0	--
04...	1150	80513	80513	50.0	0.40	0.80	87.0	--
04...	1151	80513	80513	50.0	0.40	0.80	92.0	--
04...	1152	80513	80513	50.0	0.40	0.80	97.0	--
04...	1153	80513	80513	50.0	0.10	0.20	102	--
04...	1154	80513	80513	50.0	0.10	0.20	107	--

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
DEC							
04...	1145	252	6.9	10.5	6.7	60	763
04...	1146	252	6.9	10.5	6.7	60	763
04...	1147	252	6.9	10.5	6.7	60	763
04...	1148	252	6.9	10.5	6.6	60	763
04...	1149	252	7.0	10.5	6.6	60	763
04...	1150	251	7.0	10.5	6.6	60	763
04...	1151	252	6.9	10.5	6.6	59	763
04...	1152	252	7.0	10.5	7.6	68	763
04...	1153	252	7.0	11.0	6.7	60	763

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN										
17...	0900	80513	81213	138	--	312	7.0	756	8.5	--
25...	1115	80513	82913	413	8.48	228	7.5	763	3.0	0.03
FEB										
23...	0815	80513	82913	460	8.98	211	7.2	748	11.0	0.06
28...	1055	80513	81213	556	--	161	6.4	760	13.0	--
MAR										
22...	1000	80513	82913	210	6.01	229	6.8	760	7.0	0.06
APR										
18...	0900	80513	82913	263	6.57	185	6.7	758	16.5	0.06
MAY										
01...	1140	80513	81213	631	--	167	7.2	761	17.0	--
30...	1250	80513	82913	383	7.85	158	7.1	760	23.0	0.03
JUN										
06...	0745	80513	81213	138	--	225	7.1	763	25.0	--
12...	1600	80513	82913	824	11.47	132	7.0	754	25.5	0.06
JUL										
10...	1315	80513	80513	49	3.42	310	7.4	760	25.0	--
AUG										
06...	1230	80513	82913	106	4.54	501	7.8	760	26.5	0.06
SEP										
05...	0730	80513	82913	190	5.72	606	7.9	755	26.5	0.06

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN										
17...	0900	8.7	75	72	260	110	28	8.5	15	22
25...	1115	10.0	74	--	--	--	--	--	--	--
FEB										
23...	0815	6.7	62	--	--	--	--	--	--	--
28...	1055	6.2	59	>2000	>3000	51	13	4.5	7.0	21
MAR										
22...	1000	8.4	69	--	--	--	--	--	--	--
APR										
18...	0900	8.2	84	--	--	--	--	--	--	--
MAY										
01...	1140	4.3	45	K150	310	56	14	5.0	8.3	23
30...	1250	4.0	47	--	--	--	--	--	--	--
JUN										
06...	0745	3.8	46	170	320	79	20	7.0	11	22
12...	1600	7.0	87	--	--	--	--	--	--	--
JUL										
10...	1315	6.8	83	--	--	--	--	--	--	--
AUG										
06...	1230	4.2	53	--	--	--	--	--	--	--
SEP										
05...	0730	6.8	86	--	--	--	--	--	--	--

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JAN										
17...	0900	0.6	7.8	80	21	21	0.20	14	186	166
FEB										
28...	1055	0.4	5.3	39	13	8.9	0.20	7.1	112	88
MAY										
01...	1140	0.5	4.7	56	12	8.9	0.20	10	110	99
JUN										
06...	0745	0.5	5.6	66	16	12	0.20	10	142	126

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JAN										
17...	0900	0.25	69.3	0.330	0.330	1.5	0.010	0.03	0.340	0.340
FEB										
28	1055	0.15	168	0.870	0.870	3.9	0.040	0.13	0.910	0.910
MAY										
01...	1140	0.15	187	0.250	0.250	1.1	0.020	0.07	0.270	0.270
JUN										
06...	0745	0.19	52.9	0.800	0.800	3.5	0.110	0.36	0.910	0.910

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
JAN 17...	0900	0.100	0.13	0.68	0.78	1.1	0.060	0.18	20	54
FEB 28	1055	0.850	1.1	1.3	2.2	3.1	0.090	0.28	20	44
MAY 01...	1140	0.110	0.14	0.65	0.76	1.0	0.050	0.15	20	52
JUN 06...	0745	0.220	0.28	0.72	0.94	1.8	0.050	0.15	22	64

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JAN 17...	0900	<0.50	<1.0	<5.0	<3.0	<10	38	<10	<4	65
FEB 28	1055	<0.50	<1.0	<5.0	<3.0	<10	69	<10	<4	80
MAY 01...	1140	<0.50	<1.0	<5.0	<3.0	<10	60	<10	<4	260
JUN 06...	0745	<0.50	<0.50	<1.0	<3.0	<1.0	7.0	<1.0	1	450

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 17...	0900	<10	<10	<1.0	80	<6	<4.0	44	16	93
25...	1115	--	--	--	--	--	--	206	230	--
FEB 23...	0815	--	--	--	--	--	--	163	202	--
28	1055	<10	<10	<1.0	50	<6	<4.0	363	545	98
MA, ... 22...	1000	--	--	--	--	--	--	262	149	--
APR 18...	0900	--	--	--	--	--	--	219	156	--
MAY 01...	1140	<10	<10	<1.0	50	<6	<4.0	285	486	97
30...	1250	--	--	--	--	--	--	196	203	--
JUN 06...	0745	<2.0	<1.0	<1.0	70	2	<1.0	280	104	99
12...	1600	--	--	--	--	--	--	236	525	--
AUG 06...	1230	--	--	--	--	--	--	188	54	--

DATE	TIME	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)
JAN 25...	1115	97	97	98	100	91	95	97	100	--
FEB 23...	0815	97	97	97	100	91	94	98	100	--
MA, ... 22...	1000	99	99	100	--	87	87	91	97	100
APR 18...	0900	99	99	100	--	93	95	97	100	--
MAY 30...	1250	97	97	100	--	95	97	99	100	--
JUN 12...	1600	96	98	98	100	87	89	93	100	--
AUG 06...	1230	100	--	--	--	99	100	--	--	--
SEP 05...	0730	97	100	--	--	97	98	99	100	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS

LOCATION.--Lat 36°25'15", long 93°50'50", in NW1/4NW1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi west of Eureka Springs, and at mile 609.0.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
10...	1347	80513	0.0	182	142	7.9	740	22.0	8.1	95	4.40
10...	1348	80513	10.0	182	141	8.0	740	20.5	8.3	96	--
10...	1349	80513	20.0	182	141	8.0	740	20.5	8.1	93	--
10...	1350	80513	30.0	182	141	7.9	740	20.5	7.8	89	--
10...	1352	80513	47.0	182	141	7.2	740	19.5	4.2	47	--
10...	1353	80513	48.0	182	140	6.9	740	18.5	1.0	11	--
10...	1354	80513	50.0	182	141	6.9	740	17.5	0.5	5	--
10...	1355	80513	55.0	182	141	6.9	740	16.5	0.5	6	--
10...	1356	80513	60.0	182	141	6.9	740	16.0	0.8	8	--
10...	1357	80513	70.0	182	140	7.0	740	15.5	1.2	12	--
10...	1358	80513	80.0	182	137	7.0	740	14.5	1.8	18	--
10...	1359	80513	90.0	182	138	7.0	740	13.5	1.8	17	--
10...	1400	80513	100	182	133	7.0	740	12.5	2.1	20	--
10...	1401	80513	110	182	128	7.0	740	11.5	2.3	21	--
10...	1402	80513	120	182	125	7.0	740	10.5	1.9	17	--
10...	1403	80513	130	182	125	6.9	740	9.5	1.3	12	--
10...	1404	80513	140	182	125	6.9	740	9.0	1.2	10	--
10...	1405	80513	150	182	126	7.0	740	9.0	1.1	10	--
10...	1406	80513	160	182	128	7.0	740	8.5	0.7	7	--
10...	1407	80513	170	182	131	7.0	740	8.5	0.1	1	--
10...	1408	80513	180	182	134	7.0	740	8.5	0.1	1	--
10...	1409	80513	182	182	134	7.1	740	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	1055	80513	0.0	180	147	8.0	744	18.0	8.7	94	4.60
24...	1056	80513	10.0	180	147	8.0	744	18.0	8.5	93	--
24...	1058	80513	20.0	180	147	8.0	744	18.0	8.5	92	--
24...	1059	80513	30.0	180	147	7.9	744	18.0	8.4	92	--
24...	1100	80513	40.0	180	147	7.9	744	18.5	8.4	91	--
24...	1101	80513	50.0	180	147	7.9	744	18.0	8.4	91	--
24...	1102	80513	60.0	180	147	7.9	744	18.0	8.3	90	--
24...	1103	80513	63.0	180	147	7.7	744	18.0	7.8	85	--
24...	1105	80513	64.0	180	147	7.4	744	17.5	4.5	48	--
24...	1106	80513	65.0	180	147	7.0	744	16.0	0.7	7	--
24...	1107	80513	69.0	180	145	6.9	744	15.0	1.0	10	--
24...	1108	80513	70.0	180	145	6.9	744	15.0	1.0	10	--
24...	1110	80513	80.0	180	146	6.9	744	14.0	1.2	12	--
24...	1111	80513	90.0	180	143	6.9	744	13.5	1.5	15	--
24...	1112	80513	100	180	140	6.9	744	12.5	2.1	20	--
24...	1113	80513	110	180	137	6.9	744	11.5	2.2	20	--
24...	1114	80513	117	180	132	6.8	744	10.5	1.9	17	--
24...	1115	80513	120	180	131	6.8	744	10.5	1.6	15	--
24...	1116	80513	130	180	130	6.8	744	9.5	1.1	10	--
24...	1117	80513	140	180	130	6.8	744	9.0	1.0	9	--
24...	1118	80513	150	180	131	6.8	744	8.5	1.1	9	--
24...	1119	80513	160	180	134	6.8	744	8.5	0.4	4	--
24...	1120	80513	170	180	137	6.8	744	8.5	0.1	1	--
24...	1121	80513	180	180	139	6.8	744	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
08...	1125	80513	0.0	183	149	7.5	749	15.5	8.3	84	6.40
08...	1126	80513	10.0	183	149	7.5	749	15.5	8.1	82	--
08...	1127	80513	20.0	183	149	7.5	749	15.5	8.0	81	--
08...	1128	80513	30.0	183	147	7.5	749	15.5	7.9	80	--
08...	1129	80513	40.0	183	148	7.5	749	15.5	7.8	80	--
08...	1130	80513	50.0	183	149	7.5	749	15.5	7.8	79	--
08...	1131	80513	60.0	183	149	7.4	749	15.5	7.6	77	--
08...	1132	80513	70.0	183	148	6.8	749	14.5	0.8	8	--
08...	1133	80513	80.0	183	147	6.8	749	14.0	1.0	10	--
08...	1134	80513	90.0	183	146	6.8	749	13.0	1.1	11	--
08...	1135	80513	100	183	142	6.8	749	12.0	1.6	15	--
08...	1136	80513	110	183	137	6.7	749	11.0	1.7	16	--
08...	1137	80513	120	183	134	6.7	749	10.5	1.2	11	--
08...	1138	80513	130	183	134	6.7	749	9.5	0.6	5	--
08...	1139	80513	140	183	134	6.6	749	9.0	0.5	4	--
08...	1140	80513	150	183	134	6.7	749	8.5	0.6	6	--
08...	1141	80513	160	183	136	6.7	749	8.5	0.2	2	--
08...	1142	80513	170	183	141	6.7	749	8.5	0.1	1	--
08...	1143	80513	180	183	143	6.7	749	8.5	0.1	1	--
08...	1144	80513	183	183	144	6.7	749	8.0	0.1	1	--

as possible, consistent with available sampling techniques and methods of analysis. In the rare case 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 measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly values beginning at 0100 hours and ending at 2400 hours for the day or record. More detailed records (hourly values) may be obtained from the Geological Survey District Office whose address is given on the back of the title page of this report.

Dissolved Trace-Element Concentrations

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the microgram per liter level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

Sample handling procedures at all National Trends Network stations were changed substantially January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

Water Temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken 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. To convert from degrees Celsius to degrees Fahrenheit or from degrees Fahrenheit to degrees Celsius, use one of these formulae: °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 or point 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 be 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. Methods used in the computation of sediment records are described in TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colorado or Ocala, Florida. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the **LOCATION** nor the **DRAINAGE AREA** statements are repeated. The following information, as appropriate, are provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximum or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

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

Remarks Codes

The following remark codes may appear with water-quality data:

PRINT OUTPUT REMARK	
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
<0.00	Due to numeric rounding format; actual value is known to be less than 0.005
K	Results based on colony count outside the acceptance range (non-ideal colony count)
V	Indicates the analyte was detected in both the sample and associated field blank

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Records of Ground-Water Levels

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 two wells in Arkansas (fig. 6, page 221). Wells are measured manually one or more times each year. Each well is identified by means of a 15-digit number that is based on latitude and longitude (see diagram on page 9).

Data Collection and Computation

Measurements of water levels are made in many types of wells and under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized, it is determined by conditions at a particular site. However, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Tables of water-level data are presented by counties arranged in alphabetical order The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or by a water-stage recorder. The water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Land-surface datum is the datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

Data Presentation

Each well record consists of the following information:

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
14...	1126	80513	0.0	189	134	6.9	746	11.5	8.6	81	5.80
14...	1127	80513	10.0	189	134	7.0	746	11.0	8.6	80	--
14...	1128	80513	20.0	189	134	7.0	746	11.0	8.5	79	--
14...	1129	80513	30.0	189	134	7.0	746	11.0	8.5	79	--
14...	1130	80513	40.0	189	136	7.0	746	11.0	8.4	78	--
14...	1131	80513	50.0	189	134	7.0	746	11.0	8.3	77	--
14...	1132	80513	60.0	189	136	7.0	746	11.0	8.2	77	--
14...	1133	80513	70.0	189	134	7.0	746	11.0	8.2	76	--
14...	1134	80513	80.0	189	134	7.0	746	11.0	8.1	76	--
14...	1135	80513	90.0	189	134	7.0	746	11.0	8.1	75	--
14...	1136	80513	100	189	134	7.0	746	11.0	8.1	75	--
14...	1137	80513	110	189	134	7.0	746	11.0	8.1	75	--
14...	1138	80513	120	189	127	6.8	746	10.5	0.2	2	--
14...	1139	80513	130	189	126	6.7	746	10.0	0.1	1	--
14...	1140	80513	140	189	127	6.6	746	9.5	0.1	1	--
14...	1141	80513	150	189	127	6.6	746	9.5	0.1	1	--
14...	1142	80513	160	189	127	6.6	746	9.0	0.1	1	--
14...	1143	80513	170	189	130	6.5	746	8.5	0.1	1	--
14...	1144	80513	180	189	133	6.5	746	8.5	0.1	1	--
14...	1145	80513	189	189	136	6.5	746	8.5	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	1357	80513	0.0	187	140	7.5	748	7.5	10.7	90	4.60
24...	1358	80513	10.0	187	140	7.5	748	7.5	10.7	90	--
24...	1400	80513	20.0	187	140	7.5	748	7.0	10.6	89	--
24...	1401	80513	30.0	187	140	7.4	748	7.0	10.5	89	--
24...	1402	80513	40.0	187	140	7.4	748	7.0	10.5	89	--
24...	1403	80513	50.0	187	140	7.4	748	7.0	10.5	88	--
24...	1404	80513	60.0	187	140	7.4	748	7.0	10.5	88	--
24...	1405	80513	70.0	187	140	7.4	748	7.0	10.5	88	--
24...	1406	80513	80.0	187	140	7.4	748	7.0	10.5	88	--
24...	1407	80513	90.0	187	140	7.4	748	7.0	10.4	88	--
24...	1408	80513	100	187	140	7.4	748	7.0	10.4	88	--
24...	1409	80513	110	187	140	7.4	748	7.0	10.4	88	--
24...	1410	80513	120	187	140	7.4	748	7.0	10.4	87	--
24...	1411	80513	130	187	140	7.4	748	7.0	10.4	87	--
24...	1412	80513	140	187	141	7.3	748	7.0	10.1	85	--
24...	1413	80513	150	187	142	7.3	748	7.0	9.7	81	--
24...	1414	80513	160	187	142	7.3	748	7.0	9.5	80	--
24...	1415	80513	170	187	142	7.2	748	7.0	9.3	78	--
24...	1416	80513	180	187	143	7.2	748	7.0	9.2	77	--
24...	1417	80513	187	187	143	7.2	748	7.0	9.2	77	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
21...	1022	80513	0.0	179	143	7.4	745	7.0	11.5	97	5.40
21...	1023	80513	10.0	179	143	7.5	745	7.0	11.5	97	--
21...	1024	80513	20.0	179	143	7.5	745	6.5	11.4	96	--
21...	1025	80513	30.0	179	143	7.5	745	6.5	11.3	94	--
21...	1026	80513	40.0	179	143	7.5	745	6.5	11.2	93	--
21...	1027	80513	50.0	179	143	7.5	745	6.5	11.2	94	--
21...	1028	80513	60.0	179	143	7.5	745	6.5	11.2	93	--
21...	1029	80513	70.0	179	143	7.6	745	6.5	11.2	93	--
21...	1030	80513	80.0	179	143	7.6	745	6.5	11.1	93	--
21...	1031	80513	90.0	179	143	7.6	745	6.5	11.2	93	--
21...	1032	80513	100	179	143	7.5	745	6.5	11.1	92	--
21...	1033	80513	110	179	143	7.5	745	6.5	10.9	91	--
21...	1034	80513	120	179	143	7.5	745	6.5	10.8	90	--
21...	1035	80513	130	179	143	7.4	745	6.0	10.4	85	--
21...	1036	80513	140	179	143	7.3	745	5.5	10.1	83	--
21...	1037	80513	150	179	143	7.3	745	5.5	9.9	81	--
21...	1038	80513	160	179	143	7.2	745	5.5	9.6	78	--
21...	1039	80513	170	179	143	7.2	745	5.5	9.5	77	--
21...	1040	80513	179	179	143	7.2	745	5.5	9.5	78	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
22...	1223	80513	0.0	181	149	8.3	742	28.5	7.3	97	5.00
22...	1224	80513	10.0	181	149	8.4	742	28.0	7.2	95	--
22...	1225	80513	20.0	181	149	8.4	742	27.0	7.6	98	--
22...	1227	80513	28.0	181	149	8.3	742	26.5	7.3	94	--
22...	1229	80513	29.0	181	148	8.3	742	26.0	7.5	95	--
22...	1230	80513	30.0	181	148	8.2	742	23.5	8.4	102	--
22...	1231	80513	31.0	181	147	8.1	742	21.5	8.7	102	--
22...	1232	80513	32.0	181	146	7.9	742	20.5	8.6	99	--
22...	1233	80513	33.0	181	144	7.8	742	20.0	8.4	94	--
22...	1234	80513	34.0	181	145	7.7	742	19.0	8.1	90	--
22...	1235	80513	35.0	181	145	7.6	742	18.5	7.9	87	--
22...	1236	80513	37.0	181	144	7.7	742	17.5	8.0	86	--
22...	1237	80513	40.0	181	143	7.6	742	16.5	7.8	82	--
22...	1238	80513	43.0	181	143	7.5	742	15.5	7.5	77	--
22...	1239	80513	48.0	181	142	7.5	742	14.5	7.4	74	--
22...	1240	80513	50.0	181	142	7.5	742	14.0	7.3	72	--
22...	1241	80513	55.0	181	141	7.4	742	13.5	7.0	69	--
22...	1242	80513	60.0	181	141	7.4	742	13.0	6.5	63	--
22...	1243	80513	65.0	181	141	7.3	742	12.5	6.3	61	--
22...	1244	80513	70.0	181	140	7.3	742	12.0	6.1	58	--
22...	1245	80513	80.0	181	140	7.3	742	10.5	6.3	58	--
22...	1246	80513	90.0	181	138	7.3	742	10.0	6.3	57	--
22...	1247	80513	100	181	138	7.3	742	9.5	6.5	58	--
22...	1248	80513	110	181	138	7.3	742	9.0	6.4	57	--
22...	1249	80513	120	181	137	7.3	742	8.5	6.2	55	--
22...	1250	80513	130	181	137	7.2	742	8.0	6.0	52	--
22...	1251	80513	140	181	137	7.2	742	7.5	5.8	50	--
22...	1252	80513	150	181	138	7.2	742	7.5	5.5	47	--
22...	1253	80513	160	181	137	7.1	742	7.5	5.0	43	--
22...	1255	80513	170	181	138	7.1	742	7.5	4.3	37	--
22...	1256	80513	180	181	139	7.1	742	7.5	3.8	32	--
22...	1257	80513	181	181	139	7.1	742	7.5	3.7	31	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
17...	1059	80513	0.0	180	146	8.4	738	24.0	9.1	112	4.70
17...	1100	80513	10.0	180	145	8.5	738	24.0	9.1	112	--
17...	1101	80513	20.0	180	146	8.4	738	24.0	9.1	112	--
17...	1102	80513	27.0	180	146	8.4	738	24.0	8.9	110	--
17...	1104	80513	28.0	180	146	8.2	738	23.5	9.1	111	--
17...	1105	80513	29.0	180	146	7.9	738	23.0	9.1	110	--
17...	1106	80513	30.0	180	146	7.7	738	22.0	9.3	110	--
17...	1107	80513	32.0	180	145	7.6	738	21.0	9.3	107	--
17...	1108	80513	33.0	180	145	7.5	738	20.0	9.1	103	--
17...	1109	80513	35.0	180	144	7.4	738	19.0	8.7	97	--
17...	1110	80513	37.0	180	143	7.4	738	17.5	8.5	92	--
17...	1111	80513	38.0	180	142	7.4	738	17.0	8.6	92	--
17...	1112	80513	40.0	180	142	7.4	738	16.5	8.4	89	--
17...	1113	80513	43.0	180	141	7.4	738	15.5	8.2	84	--
17...	1114	80513	44.0	180	141	7.4	738	15.0	8.1	82	--
17...	1115	80513	50.0	180	140	7.3	738	14.0	7.6	76	--
17...	1116	80513	55.0	180	141	7.3	738	13.0	7.0	68	--
17...	1117	80513	60.0	180	140	7.2	738	12.5	6.5	64	--
17...	1118	80513	70.0	180	139	7.2	738	11.5	6.3	60	--
17...	1119	80513	80.0	180	138	7.2	738	11.0	6.5	61	--
17...	1120	80513	90.0	180	138	7.2	738	10.0	6.7	62	--
17...	1121	80513	100	180	137	7.2	738	9.5	7.0	63	--
17...	1122	80513	110	180	137	7.2	738	9.0	6.8	61	--
17...	1123	80513	120	180	137	7.2	738	8.5	6.6	58	--
17...	1124	80513	130	180	136	7.2	738	8.0	6.2	55	--
17...	1125	80513	140	180	136	7.1	738	8.0	5.8	50	--
17...	1126	80513	150	180	136	7.1	738	7.5	5.7	49	--
17...	1127	80513	160	180	137	7.1	738	7.5	4.9	42	--
17...	1128	80513	170	180	137	7.0	738	7.5	4.1	35	--
17...	1129	80513	180	180	138	7.0	738	7.5	2.9	25	--

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS

LOCATION.--Lat 36°25'15", long 93°50'50", in NW1/4NW1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at mile 609.0.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
10...	1435	80513	80513	128	7.4	745	13.5	7.3	72
24...	1141	80513	80513	133	7.2	749	10.5	7.3	67
NOV									
08...	1203	80513	80513	139	7.0	753	11.5	7.6	70
DEC									
14...	1106	80513	80513	133	6.4	745	10.5	7.8	72
JAN									
24...	1341	80513	80513	157	8.0	748	11.0	13.6	125
MAR									
21...	1104	80513	80513	168	7.5	751	10.0	11.7	105
AUG									
22...	1200	80513	80513	138	7.6	747	13.0	9.6	92
SEP									
17...	1200	80513	80513	143	7.6	745	14.0	11.1	110

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH

LOCATION.--Lat 36°25'15", long 90°29'05", in NW1/4SE1/4 sec.2, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Campground E, 2.2 mi downstream from Beaver Dam, and 2.5 mi south of Busch.

PERIOD OF RECORD.--May, 1991 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
NOV							
28...	1232	80513	80513	100	0.30	0.60	95.0
28...	1234	80513	80513	100	0.30	0.60	85.0
28...	1235	80513	80513	100	0.20	0.40	75.0
28...	1236	80513	80513	100	0.30	0.60	65.0
28...	1237	80513	80513	100	0.30	0.60	55.0
28...	1238	80513	80513	100	0.30	0.60	45.0
28...	1239	80513	80513	100	0.40	0.80	35.0
28...	1240	80513	80513	100	0.40	0.80	25.0
28...	1241	80513	80513	100	0.30	0.60	15.0
28...	1242	80513	80513	100	0.20	0.40	5.00

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
28...	1232	135	6.8	8.0	7.8	68	750
28...	1234	135	6.9	8.5	7.5	65	750
28...	1235	135	6.9	8.5	7.6	66	750
28...	1236	135	6.9	8.5	7.5	65	750
28...	1237	135	6.9	8.0	7.6	65	750
28...	1238	135	6.9	8.0	7.6	66	750
28...	1239	135	6.9	8.0	7.6	66	750
28...	1240	136	6.9	8.0	7.6	66	750
28...	1241	135	6.9	8.0	7.7	66	750
28...	1242	135	6.9	8.0	7.7	66	750

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	OCTOBER MAX	OCTOBER MIN	OCTOBER MEAN	NOVEMBER MAX	NOVEMBER MIN	NOVEMBER MEAN	DECEMBER MAX	DECEMBER MIN	DECEMBER MEAN	JANUARY MAX	JANUARY MIN	JANUARY MEAN
1	7.5	---	---	8.5	3.5	5.6	---	---	---	---	---	---
2	7.5	4.9	5.8	6.1	3.2	4.5	---	---	---	---	---	---
3	9.4	3.9	6.0	8.8	4.1	6.8	---	---	---	---	---	---
4	9.2	3.1	4.9	8.7	6.8	7.8	---	---	---	---	---	---
5	9.0	3.4	5.1	8.4	6.2	7.5	---	---	---	---	---	---
6	8.8	2.8	5.3	8.0	6.2	7.2	---	---	---	---	---	---
7	9.3	3.5	5.8	9.3	6.5	7.9	---	---	---	---	---	---
8	8.1	4.0	5.9	8.8	6.4	7.6	---	---	---	---	---	---
9	9.4	3.6	6.3	9.2	5.9	7.8	---	---	---	---	---	---
10	---	---	---	9.4	7.5	8.6	---	---	---	---	---	---
11	9.8	3.1	5.3	---	---	---	---	---	---	---	---	---
12	9.5	3.5	5.8	---	---	---	---	---	---	---	---	---
13	9.1	3.4	5.1	---	---	---	---	---	---	---	---	---
14	9.8	3.6	6.3	8.7	6.3	7.5	---	---	---	---	---	---
15	9.2	3.5	5.5	7.8	4.3	6.3	7.6	5.6	6.8	---	---	---
16	9.3	3.5	6.2	7.2	4.3	6.3	9.1	7.2	8.1	---	---	---
17	9.4	5.6	7.4	8.8	5.9	7.6	9.3	7.7	8.7	---	---	---
18	9.3	5.7	7.5	8.5	6.2	7.5	---	---	---	---	---	---
19	7.9	4.3	6.1	8.8	6.2	7.5	---	---	---	---	---	---
20	9.7	5.6	7.6	8.8	1.2	7.3	---	---	---	---	---	---
21	8.7	6.0	7.7	9.0	6.5	7.7	---	---	---	---	---	---
22	9.5	5.6	7.7	8.8	6.7	8.1	---	---	---	---	---	---
23	9.3	6.3	7.7	9.2	7.1	8.3	---	---	---	---	---	---
24	9.3	6.8	8.0	9.5	7.3	8.4	---	---	---	---	---	---
25	8.0	2.5	6.1	9.5	7.2	8.4	---	---	---	---	---	---
26	8.1	3.5	5.0	9.5	7.0	8.6	---	---	---	---	---	---
27	8.4	3.6	6.1	10.5	9.0	9.7	11.1	7.7	9.5	---	---	---
28	9.0	5.8	7.4	---	---	---	8.6	6.9	7.8	---	---	---
29	8.4	5.8	7.3	---	---	---	9.2	7.5	8.3	---	---	---
30	7.4	5.7	6.8	---	---	---	9.4	8.3	8.8	---	---	---
31	7.6	3.7	6.0	---	---	---	---	---	---	---	---	---

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.9	11.7	12.5	11.5	9.0	9.9	11.1	8.7	9.1	10.1	7.4	8.2
2	14.2	11.6	12.5	10.5	8.9	9.5	9.9	7.6	8.4	10.0	8.0	8.6
3	13.9	11.4	12.5	11.4	8.6	9.3	10.2	7.9	8.6	10.8	7.1	8.7
4	13.4	11.1	12.2	11.1	8.8	9.6	10.5	7.4	8.3	10.4	6.6	7.8
5	13.7	10.9	11.8	11.1	9.6	10.1	8.8	6.8	7.6	10.5	6.8	7.7
6	13.5	10.7	11.6	11.4	9.2	10.0	8.5	7.2	7.6	9.9	6.6	7.7
7	12.8	10.8	11.5	11.3	9.3	10.0	10.1	7.6	8.4	10.0	6.6	7.7
8	13.4	10.9	11.8	10.9	9.2	9.8	10.0	7.3	8.3	8.1	6.6	7.2
9	13.4	10.6	11.7	---	---	---	10.4	7.6	8.6	9.5	6.6	7.6
10	13.2	10.6	11.7	11.6	9.3	10.0	9.9	8.5	9.0	10.0	6.3	7.5
11	13.4	10.6	11.6	11.3	9.1	9.7	9.5	8.3	9.0	---	---	---
12	13.2	10.7	11.8	11.9	8.9	9.7	11.8	8.7	9.5	---	---	---
13	---	---	---	12.6	9.3	10.3	11.1	8.6	9.3	10.5	7.4	8.4
14	12.2	9.4	10.8	11.9	9.0	9.8	11.0	8.5	9.2	9.1	7.2	7.8
15	12.8	10.1	11.3	12.4	9.3	10.1	11.1	8.3	8.8	8.5	7.4	8.1
16	12.3	10.2	11.2	11.3	9.4	10.2	10.5	8.2	8.8	9.7	7.3	8.1
17	12.0	9.6	10.7	11.3	9.2	9.9	10.5	8.2	9.0	10.1	6.2	7.5
18	12.3	9.7	10.4	11.3	9.0	9.6	10.9	9.0	9.6	10.2	6.2	7.7
19	10.8	9.6	10.3	11.2	9.0	9.6	10.9	8.6	9.5	9.0	6.3	7.2
20	11.8	9.8	10.7	13.2	9.5	11.0	11.0	8.7	9.3	9.6	5.9	7.0
21	11.2	9.7	10.5	13.2	10.0	10.8	12.0	8.6	9.3	9.4	6.2	7.0
22	10.7	9.8	10.2	10.8	9.8	10.3	12.2	8.9	9.6	9.5	6.4	7.5
23	12.5	9.5	10.6	12.7	10.1	10.7	13.3	9.6	11.2	10.1	6.9	7.7
24	12.5	9.4	10.3	11.9	10.0	10.5	14.9	11.0	12.1	9.2	5.8	7.6
25	10.5	9.2	10.1	12.2	9.8	10.4	15.2	11.4	12.6	9.6	5.8	7.1
26	11.9	9.5	10.3	12.5	9.9	10.6	15.0	11.3	12.2	9.1	6.6	7.7
27	11.0	8.9	9.8	13.2	9.9	10.8	16.2	11.3	13.0	9.6	6.3	7.4
28	11.6	9.5	10.0	14.3	9.8	11.0	13.3	7.9	10.9	8.1	6.7	7.2
29	11.1	9.1	9.6	13.4	10.2	11.0	11.0	7.1	8.6	9.2	6.2	7.2
30	12.6	8.7	10.0	13.0	10.0	10.6	10.5	7.1	8.4	7.5	6.2	6.9
31	---	---	---	15.0	9.4	11.1	10.8	7.1	8.5	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.6	---	---	13.5	10.6	11.5	11.1	8.7	9.9	---	---	---
2	12.8	10.1	11.1	10.8	9.9	10.6	10.8	8.5	9.8	---	---	---
3	13.5	10.5	11.3	10.7	8.2	9.3	11.2	9.6	10.3	---	---	---
4	13.6	9.9	11.0	10.1	6.5	8.4	9.6	7.6	8.6	---	---	---
5	13.2	10.0	11.0	10.4	8.5	9.2	10.3	7.6	9.0	---	---	---
6	11.5	10.4	10.7	10.5	8.9	9.7	10.3	7.4	8.8	---	---	---
7	13.0	9.4	10.9	12.7	10.2	11.0	10.2	7.7	9.0	---	---	---
8	13.7	8.9	11.5	10.4	8.0	9.3	10.3	8.1	9.5	---	---	---
9	13.2	9.9	11.3	10.9	7.5	9.4	9.8	6.0	7.6	---	---	---
10	13.7	10.4	11.4	13.5	10.6	11.9	9.1	6.3	7.3	---	---	---
11	13.7	10.6	11.4	---	---	---	10.0	5.6	7.7	---	---	---
12	13.4	10.1	11.3	---	---	---	10.1	9.0	9.6	---	---	---
13	13.1	10.2	11.2	---	---	---	11.3	9.7	10.4	---	---	---
14	13.1	9.8	11.2	9.9	7.4	8.8	11.3	9.4	10.4	---	---	---
15	12.5	9.5	10.8	11.2	8.5	10.2	10.1	9.5	9.8	---	---	---
16	13.1	9.8	11.4	12.4	8.7	10.8	10.7	9.1	9.7	---	---	---
17	13.2	9.8	11.7	11.4	8.6	10.0	9.5	8.5	8.8	---	---	---
18	13.0	9.7	11.7	11.4	9.0	10.0	---	---	---	---	---	---
19	13.8	9.3	12.1	10.9	7.7	9.4	---	---	---	---	---	---
20	13.1	9.7	11.3	11.2	8.8	9.9	---	---	---	---	---	---
21	11.4	8.3	10.0	12.3	8.0	10.1	---	---	---	---	---	---
22	12.8	8.9	11.0	10.5	8.0	9.3	---	---	---	---	---	---
23	13.0	11.0	12.0	10.5	8.3	9.6	---	---	---	---	---	---
24	11.5	8.6	10.3	9.6	7.0	8.3	---	---	---	---	---	---
25	11.0	8.6	9.8	10.4	7.4	8.9	---	---	---	---	---	---
26	12.6	10.4	11.0	10.8	8.1	9.7	---	---	---	---	---	---
27	13.1	10.8	11.7	10.8	7.9	9.7	9.0	6.4	7.8	---	---	---
28	11.9	8.9	10.5	8.6	6.9	7.6	8.9	8.6	8.8	---	---	---
29	11.4	8.6	10.1	11.3	6.3	9.3	9.0	8.6	8.7	---	---	---
30	10.8	9.7	10.3	12.1	7.8	10.3	---	---	---	---	---	---
31	11.3	10.0	10.7	---	---	---	---	---	---	---	---	---
MONTH	13.8	---	---	---	---	---	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.6	7.5	8.8	12.1	8.0	8.6	9.3	8.1	8.4	11.8	8.8	9.6
2	13.0	7.5	9.1	10.7	8.0	8.5	10.7	8.2	8.6	12.4	9.2	9.9
3	13.9	7.8	9.8	11.0	8.0	8.5	12.8	8.4	9.2	14.0	8.7	10.1
4	12.5	7.6	9.6	9.1	8.0	8.4	12.8	9.0	9.8	12.6	8.7	9.4
5	12.7	7.6	8.8	13.3	7.9	8.8	10.2	8.3	9.2	12.0	8.6	9.3
6	14.2	8.2	10.1	13.4	8.1	9.2	10.4	8.5	8.8	12.1	8.7	9.5
7	10.8	7.4	8.5	11.1	8.3	9.0	14.7	8.4	9.7	13.4	8.6	9.9
8	10.2	7.4	8.3	13.1	7.9	9.1	14.0	8.5	9.7	11.0	8.6	9.2
9	10.4	7.9	8.5	9.2	8.0	8.4	13.5	8.5	9.6	14.2	8.7	9.5
10	11.5	7.5	8.6	12.4	8.2	9.0	10.5	8.5	9.3	13.5	8.6	9.6
11	12.2	7.5	8.6	9.5	8.1	8.7	10.5	8.5	9.5	---	---	---
12	14.2	7.7	8.9	10.0	8.1	8.6	13.8	8.3	10.0	---	---	---
13	12.4	7.9	9.0	11.1	8.3	9.3	12.8	8.4	9.3	12.7	8.5	9.9
14	10.8	8.5	9.5	11.1	8.3	9.1	12.8	8.5	9.3	9.4	8.4	8.8
15	12.6	7.5	9.9	13.3	8.3	9.4	11.4	8.4	9.1	9.5	8.6	9.2
16	13.4	7.5	9.8	12.2	7.9	8.7	12.8	8.5	9.1	11.1	8.5	9.5
17	13.1	7.4	9.8	12.6	8.2	8.9	9.9	8.6	8.9	13.2	8.8	9.8
18	12.4	7.4	8.4	13.9	8.1	9.4	11.8	8.9	9.8	11.2	8.6	9.4
19	8.1	7.5	7.7	12.5	8.2	9.1	12.1	8.5	9.7	9.8	8.6	8.9
20	12.5	7.6	9.4	13.7	8.2	9.5	12.8	8.4	9.2	13.0	8.7	9.6
21	8.7	7.6	8.0	15.5	8.5	10.5	12.4	8.6	9.4	12.5	8.4	9.5
22	8.4	7.7	8.1	10.8	8.2	9.0	12.1	8.6	9.2	12.6	8.5	9.6
23	15.2	8.1	10.2	13.3	8.5	9.5	14.0	8.8	9.8	12.9	8.7	9.6
24	12.4	8.0	9.1	11.6	8.2	9.1	12.8	8.6	9.7	10.8	8.8	9.9
25	8.2	7.6	7.9	13.7	8.2	9.0	13.9	8.6	10.3	9.8	8.7	9.0
26	12.5	7.8	9.1	11.9	8.2	9.0	11.2	8.5	9.3	15.6	8.8	10.4
27	11.4	8.0	8.9	13.4	8.2	9.7	12.6	8.6	9.7	10.5	8.6	9.2
28	12.4	7.9	8.8	13.3	8.3	9.5	13.4	8.5	9.9	9.4	7.9	8.6
29	9.7	7.9	8.2	11.9	8.2	9.4	13.8	8.7	10.0	9.7	7.8	8.6
30	13.4	8.0	9.0	10.7	8.2	9.2	12.4	8.9	9.7	9.3	7.9	8.7
31	---	---	---	14.5	8.3	10.2	12.7	8.6	9.7	---	---	---
MONTH	15.2	7.4	8.9	15.5	7.9	9.1	14.7	8.1	9.4	---	---	---

07053250 YOCUM CREEK NEAR OAK GROVE

LOCATION.--Lat 36°27'17", long 93°21'21", in SW1/4NE1/4 sec.30, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on right bank 50 ft upstream from County Road 86, .4 mi downstream from Stillhouse Creek, and 4.7 mi east of Oak Grove.

DRAINAGE AREA.--52.8 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1993 to current year. Occasional lowflow measurements 1964-67, 1987-88.

GAGE.-Water-stage recorder.

REMARKS.--Water-discharge records fair, except estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	8.7	21	44	e18	121	72	e39	e11	e27	7.6
2	16	20	8.2	23	41	e17	106	e65	e35	27	e25	9.9
3	16	22	8.7	23	38	e17	97	e60	e32	e25	e23	9.9
4	14	18	9.2	20	36	e16	93	e56	e30	e24	e22	6.9
5	12	15	9.1	19	35	e16	84	e52	e29	e23	e20	5.4
6	11	14	8.5	19	33	16	77	e207	e27	e22	e19	5.4
7	11	15	8.1	16	31	e15	70	e163	e25	e21	e18	5.1
8	13	15	7.9	13	29	e15	63	e130	e23	e20	e17	7.0
9	14	17	7.0	13	28	e15	57	e96	e22	e19	e16	8.4
10	12	19	6.5	13	28	e15	52	e85	e21	e18	e15	7.1
11	10	30	6.3	21	26	e14	48	e78	e19	e17	e14	6.0
12	9.7	24	6.3	55	25	e14	48	e70	e18	e17	e14	6.5
13	9.0	21	6.4	62	24	e14	67	e63	e18	e16	e13	6.7
14	9.6	19	6.1	65	25	e14	69	e57	e17	e17	e12	6.9
15	9.6	18	6.0	54	e27	e17	62	e52	e16	e22	e12	12
16	8.7	16	5.6	43	30	e30	55	e47	e16	e20	e11	19
17	8.1	15	11	36	27	e39	51	e42	e15	e19	e10	12
18	7.5	13	102	203	26	e36	49	e38	e15	e18	e9.5	9.6
19	7.3	12	396	260	26	e60	45	e34	e14	e18	e9.0	8.6
20	7.1	11	160	234	25	e50	43	e31	e14	e17	e8.2	8.3
21	5.2	10	97	207	24	e40	42	e29	14	e17	e7.4	8.3
22	4.8	10	68	184	23	35	267	e27	e14	16	6.8	11
23	4.7	9.9	52	266	23	35	470	e25	e13	e15	e6.8	13
24	4.6	9.0	42	213	e22	97	245	e23	e13	e14	e6.8	48
25	4.3	9.1	36	101	e21	224	175	e21	e13	e13	e6.8	37
26	4.8	9.1	31	76	e20	139	139	e19	e12	e12	e6.8	339
27	12	9.1	27	69	e19	106	116	e18	12	e12	6.8	374
28	27	8.8	24	67	e19	145	104	e17	e11	e11	e6.3	161
29	20	8.6	22	60	e18	149	93	e16	e11	e13	6.1	110
30	15	8.8	20	56	---	132	81	e16	e11	e15	5.7	81
31	12	---	20	48	---	135	---	e22	---	e20	5.7	---
TOTAL	335.0	438.4	1226.6	2560	793	1685	3089	1731	569	549	386.7	1350.6
MEAN	10.8	14.6	39.6	82.6	27.3	54.4	103	55.8	19.0	17.7	12.5	45.0
MAX	27	30	396	266	44	224	470	207	39	27	27	374
MIN	4.3	8.6	5.6	13	18	14	42	16	11	11	5.7	5.1
AC-FT	664	870	2430	5080	1570	3340	6130	3430	1130	1090	767	2680
CFSM	.20	.28	.75	1.56	.52	1.03	1.95	1.06	.36	.34	.24	.85
IN.	.24	.31	.86	1.80	.56	1.19	2.18	1.22	.40	.39	.27	.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	13.3	60.0	46.8	71.7	44.0	92.0	110	77.5	52.3	29.2	15.1	26.0
MAX	21.3	109	66.5	94.5	65.4	169	144	99.9	104	63.2	20.6	45.0
(WY)	1994	1994	1994	1995	1994	1994	1994	1995	1995	1993	1993	1996
MIN	7.71	14.6	34.3	38.1	27.3	52.5	82.2	55.8	19.0	13.9	11.9	9.09
(WY)	1995	1996	1995	1994	1996	1995	1995	1996	1996	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	18214.0		14713.3			
ANNUAL MEAN	49.9		40.2		51.9	
HIGHEST ANNUAL MEAN					63.0	1994
LOWEST ANNUAL MEAN					40.2	1996
HIGHEST DAILY MEAN	706	Jun 10	470	Apr 23	817	Nov 14 1993
LOWEST DAILY MEAN	4.3	Oct 25	4.3	Oct 25	4.3	Oct 25 1995
ANNUAL SEVEN-DAY MINIMUM	5.1	Oct 20	5.1	Oct 20	5.1	Oct 20 1995
INSTANTANEOUS PEAK FLOW			[a]1650	Sep 26	[a]2660	Jul 6 1993
INSTANTANEOUS PEAK STAGE			7.73	Sep 26	8.99	Jul 6 1993
INSTANTANEOUS LOW FLOW			3.9	Oct 25	3.9	Oct 25 1995
ANNUAL RUNOFF (AC-FT)	36130		29180		37610	
ANNUAL RUNOFF (CFSM)	.95		.76		.98	
ANNUAL RUNOFF (INCHES)	12.83		10.37		13.36	
10 PERCENT EXCEEDS	112		97		116	
50 PERCENT EXCEEDS	27		19		29	
90 PERCENT EXCEEDS	9.6		7.4		9.6	

[a]From rating curve extended above 930 ft^3/s
[e]Estimated

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)
NOV 02...	0715	80513	80020	16	3.58	357	8.2	741	15.0	17.5
JAN 25...	0810	80513	80020	102	4.13	305	7.7	743	7.0	11.5
APR 12...	0710	80513	80020	44	3.69	331	8.0	737	13.0	19.5
MAY 09...	1315	80513	80020	98	4.15	300	8.0	743	18.0	24.5
JUN 21...	0810	80513	80020	14	3.37	354	7.9	741	21.0	26.0
JUL 22...	1340	80513	80020	15	3.39	338	8.1	740	27.0	31.0
AUG 22...	0815	80513	80020	6.8	3.20	343	7.8	746	21.5	24.0
SEP 19...	0815	80513	80020	9.0	3.26	338	8.0	744	18.5	18.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NOV 02...	0715	7.1	72	100	73	160	170	13	64	2.7
JAN 25...	0810	10.8	90	150	130	560	140	32	53	3.0
APR 12...	0710	9.3	91	94	72	82	150	14	55	2.9
MAY 09...	1315	8.7	95	K670	320	K460	140	14	51	2.8
JUN 21...	0810	6.9	80	K13	K14	160	170	19	63	3.0
JUL 22...	1340	5.4	70	K9	22	120	150	10	57	2.6
AUG 22...	0815	5.5	64	280	290	90	160	20	61	2.7
SEP 19...	0815	7.0	76	47	34	100	160	7	59	2.7

DATE	TIME	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV 02...	0715	3.8	5	0.1	1.9	156	0	193	158	3.5
JAN 25...	0810	3.5	5	0.1	2.3	111	0	137	112	5.0
APR 12...	0710	3.9	5	0.1	2.1	135	0	165	135	5.7
MAY 09...	1315	3.2	5	0.1	2.5	123	0	152	124	4.1
JUN 21...	0810	4.0	5	0.1	2.3	149	0	184	151	4.7
JUL 22...	1340	3.9	5	0.1	2.3	142	0	174	143	4.4
AUG 22...	0815	3.7	5	0.1	2.1	147	0	175	144	4.5
SEP 19...	0815	3.8	5	0.1	2.1	152	0	185	152	4.2

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
NOV 02...	0715	8.6	<0.10	9.8	205	200	8.86	0.28	--	<0.010
JAN 25...	0810	7.5	<0.10	9.4	174	172	47.9	0.24	--	<0.010
APR 12...	0710	8.1	<0.10	5.9	180	180	21.4	0.24	--	<0.010
MAY 09...	1315	6.2	<0.10	10	166	172	43.9	0.23	3.89	0.010
JUN 21...	0810	8.5	<0.10	12	208	201	7.86	0.28	--	<0.010
JUL 22...	1340	8.7	<0.10	13	201	188	8.14	0.27	2.29	0.010
AUG 22...	0815	8.5	<0.10	12	203	190	3.73	0.28	--	<0.010
SEP 19...	0815	8.9	<0.10	11	191	192	4.64	0.26	2.09	0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
NOV 02...	0715	2.40	2.40	<0.015	--	--	<0.20	<0.20	0.030	0.020
JAN 25...	0810	4.60	4.60	<0.015	--	--	<0.20	<0.20	0.070	0.060
APR 12...	0710	3.50	3.50	<0.015	--	--	<0.20	<0.20	0.020	0.020
MAY 09...	1315	3.90	3.90	0.030	0.17	0.17	0.20	0.20	0.080	0.060
JUN 21...	0810	3.00	3.00	0.030	--	--	<0.20	<0.20	0.010	<0.010
JUL 22...	1340	2.30	2.30	0.050	--	--	<0.20	<0.20	0.030	0.040
AUG 22...	0815	2.10	2.10	<0.015	--	--	<0.20	<0.20	0.040	0.020
SEP 19...	0815	2.10	2.10	<0.015	--	--	<0.20	<0.20	0.040	0.010

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
02...	0715	0.030	0.40	0.10	<3.0	<1.0	88	3.8	41
JAN									
25...	0810	0.060	1.4	0.20	13	2.0	14	3.9	99
APR									
12...	0710	0.020	0.70	0.20	4.0	3.0	27	3.2	68
MAY									
09...	1315	0.070	1.2	0.10	4.0	3.0	38	10	95
JUN									
21...	0810	0.040	1.2	0.10	<3.0	2.0	81	3.1	33
JUL									
22...	1340	0.050	0.70	0.20	<3.0	1.0	15	0.61	85
AUG									
22...	0815	0.030	0.40	0.10	<3.0	<1.0	45	0.83	67
SEP									
19...	0815	0.040	0.40	0.20	<3.0	<1.0	30	0.73	70

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI

LOCATION.--Lat 36°35'46", long 93°18'35", in NW1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek, and 6.1 mi southwest of Branson, Missouri.

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
11...	0838	80513	0.0	168	216	8.6	761	19.5	9.6	105	2.10
11...	0839	80513	10.0	168	217	8.5	761	20.0	9.4	104	--
11...	0840	80513	20.0	168	217	8.4	761	20.0	8.6	94	--
11...	0841	80513	30.0	168	217	8.3	761	20.0	8.0	88	--
11...	0842	80513	40.0	168	218	8.2	761	19.5	7.5	82	--
11...	0843	80513	50.0	168	226	7.7	761	19.0	4.8	52	--
11...	0844	80513	55.0	168	243	7.3	761	18.0	0.2	2	--
11...	0845	80513	60.0	168	241	7.3	761	17.5	0.1	1	--
11...	0846	80513	70.0	168	231	7.2	761	16.5	0.1	1	--
11...	0847	80513	80.0	168	216	7.2	761	16.0	0.1	1	--
11...	0848	80513	90.0	168	197	7.1	761	15.5	0.1	1	--
11...	0849	80513	100	168	187	7.1	761	15.0	0.2	2	--
11...	0850	80513	110	168	179	7.0	761	15.0	0.3	3	--
11...	0851	80513	120	168	185	7.0	761	14.5	0.2	2	--
11...	0852	80513	130	168	192	7.0	761	14.5	0.1	1	--
11...	0853	80513	140	168	198	7.0	761	14.0	0.1	1	--
11...	0854	80513	150	168	200	7.0	761	13.0	0.1	1	--
11...	0855	80513	160	168	205	7.0	761	13.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	0819	80513	0.0	170	227	8.8	749	18.0	8.9	96	1.70
24...	0820	80513	10.0	170	226	8.6	749	18.0	8.7	93	--
24...	0822	80513	20.0	170	225	8.6	749	18.0	8.6	93	--
24...	0823	80513	30.0	170	226	8.5	749	18.0	8.7	93	--
24...	0824	80513	40.0	170	226	8.5	749	18.0	8.6	93	--
24...	0825	80513	50.0	170	226	8.5	749	18.0	8.6	93	--
24...	0826	80513	60.0	170	226	8.4	749	18.0	8.5	92	--
24...	0827	80513	70.0	170	225	8.4	749	18.0	8.5	91	--
24...	0829	80513	76.0	170	231	7.8	749	17.5	3.4	36	--
24...	0830	80513	79.0	170	231	7.3	749	16.5	0.5	5	--
24...	0831	80513	80.0	170	230	7.3	749	16.5	0.3	3	--
24...	0832	80513	90.0	170	227	7.2	749	16.0	0.1	1	--
24...	0834	80513	100	170	216	7.2	749	15.5	0.1	1	--
24...	0835	80513	110	170	197	7.1	749	15.0	0.1	1	--
24...	0836	80513	120	170	193	7.1	749	14.5	0.1	1	--
24...	0837	80513	130	170	206	7.1	749	14.5	0.1	1	--
24...	0838	80513	140	170	212	7.1	749	14.0	0.1	1	--
24...	0839	80513	150	170	212	7.1	749	13.5	0.1	1	--
24...	0840	80513	160	170	219	7.1	749	13.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
08...	1346	80513	0.0	202	230	7.9	753	16.0	8.7	89	1.20
08...	1347	80513	10.0	202	228	8.1	753	15.5	8.6	88	--
08...	1348	80513	20.0	202	228	8.1	753	15.5	8.3	84	--
08...	1349	80513	30.0	202	228	8.0	753	15.5	8.0	81	--
08...	1350	80513	40.0	202	229	7.9	753	15.5	7.7	79	--
08...	1351	80513	50.0	202	228	7.9	753	15.5	7.7	78	--
08...	1352	80513	60.0	202	229	7.9	753	15.5	7.6	77	--
08...	1353	80513	70.0	202	228	7.9	753	15.5	7.6	77	--
08...	1354	80513	80.0	202	229	7.9	753	15.5	7.6	78	--
08...	1355	80513	90.0	202	228	7.9	753	15.5	7.6	77	--
08...	1356	80513	100	202	228	7.9	753	15.5	7.4	76	--
08...	1357	80513	110	202	210	7.0	753	15.0	0.3	3	--
08...	1358	80513	120	202	209	7.0	753	14.5	0.2	2	--
08...	1359	80513	130	202	215	6.9	753	14.5	0.1	1	--
08...	1400	80513	140	202	213	6.9	753	14.0	0.1	1	--
08...	1401	80513	150	202	216	6.9	753	13.5	0.1	1	--
08...	1402	80513	160	202	232	6.9	753	13.0	0.1	1	--
08...	1403	80513	170	202	229	6.9	753	12.5	0.1	1	--
08...	1404	80513	180	202	248	6.9	753	11.5	0.1	1	--
08...	1405	80513	190	202	261	7.0	753	10.5	0.1	1	--
08...	1406	80513	200	202	266	7.0	753	10.0	0.1	1	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
14...	1352	80513	0.0	170	211	7.2	750	12.0	6.2	59	4.20
14...	1353	80513	10.0	170	208	7.2	750	11.5	6.5	61	--
14...	1354	80513	20.0	170	209	7.2	750	11.5	6.6	61	--
14...	1355	80513	30.0	170	208	7.2	750	11.5	6.6	61	--
14...	1356	80513	40.0	170	210	7.2	750	11.5	6.6	61	--
14...	1357	80513	50.0	170	208	7.2	750	11.5	6.5	61	--
14...	1358	80513	60.0	170	210	7.2	750	11.5	6.5	61	--
14...	1359	80513	70.0	170	210	7.2	750	11.5	6.5	60	--
14...	1400	80513	80.0	170	211	7.2	750	11.5	6.8	63	--
14...	1401	80513	90.0	170	211	7.2	750	11.5	6.7	63	--
14...	1402	80513	100	170	211	7.2	750	11.5	6.7	63	--
14...	1403	80513	110	170	211	7.2	750	11.5	6.8	63	--
14...	1404	80513	120	170	211	7.2	750	11.5	6.8	63	--
14...	1405	80513	130	170	212	7.2	750	11.5	6.9	64	--
14...	1406	80513	140	170	211	7.2	750	11.5	6.9	64	--
14...	1407	80513	150	170	212	7.2	750	11.5	6.8	63	--
14...	1408	80513	160	170	212	7.2	750	11.5	6.8	63	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	1625	80513	0.0	197	223	7.5	748	7.0	10.6	89	4.70
24...	1626	80513	10.0	197	220	7.6	748	7.0	10.5	89	--
24...	1627	80513	20.0	197	221	7.6	748	7.0	10.4	88	--
24...	1628	80513	30.0	197	222	7.6	748	7.0	10.4	88	--
24...	1629	80513	40.0	197	222	7.6	748	7.0	10.4	88	--
24...	1630	80513	50.0	197	222	7.6	748	7.0	10.4	88	--
24...	1631	80513	60.0	197	223	7.6	748	7.0	10.4	87	--
24...	1632	80513	70.0	197	223	7.6	748	7.0	10.3	87	--
24...	1633	80513	80.0	197	223	7.6	748	7.0	10.3	87	--
24...	1634	80513	90.0	197	223	7.6	748	7.0	10.3	86	--
24...	1635	80513	100	197	223	7.6	748	7.0	10.3	86	--
24...	1636	80513	110	197	223	7.6	748	7.0	10.3	86	--
24...	1637	80513	120	197	223	7.6	748	7.0	10.2	86	--
24...	1638	80513	130	197	223	7.6	748	7.0	10.2	86	--
24...	1639	80513	140	197	221	7.6	748	7.0	10.2	86	--
24...	1640	80513	150	197	223	7.6	748	7.0	10.2	86	--
24...	1641	80513	160	197	223	7.6	748	7.0	10.2	86	--
24...	1642	80513	170	197	223	7.6	748	7.0	10.2	86	--
24...	1643	80513	180	197	221	7.6	748	7.0	10.2	86	--
24...	1644	80513	190	197	223	7.6	748	7.0	10.2	86	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
21...	1304	80513	0.0	188	227	8.0	750	6.5	11.7	97	5.30
21...	1305	80513	10.0	188	227	8.0	750	6.5	11.6	96	--
21...	1306	80513	20.0	188	227	7.9	750	6.5	11.5	95	--
21...	1307	80513	30.0	188	228	7.9	750	6.5	11.5	94	--
21...	1308	80513	40.0	188	228	7.9	750	6.5	11.4	94	--
21...	1309	80513	50.0	188	228	7.9	750	6.5	11.4	94	--
21...	1310	80513	60.0	188	228	7.9	750	6.5	11.4	94	--
21...	1311	80513	70.0	188	228	7.9	750	6.5	11.4	94	--
21...	1312	80513	80.0	188	228	7.9	750	6.5	11.4	94	--
21...	1313	80513	90.0	188	228	7.9	750	6.5	11.4	94	--
21...	1314	80513	100	188	228	7.9	750	6.5	11.4	94	--
21...	1315	80513	110	188	228	7.9	750	6.5	11.4	94	--
21...	1316	80513	120	188	228	7.9	750	6.5	11.4	94	--
21...	1317	80513	130	188	228	7.9	750	6.5	11.4	93	--
21...	1318	80513	140	188	228	7.9	750	6.5	11.4	94	--
21...	1319	80513	150	188	229	7.9	750	6.5	11.4	93	--
21...	1320	80513	160	188	228	7.9	750	6.0	11.4	93	--
21...	1321	80513	170	188	229	7.9	750	6.0	11.4	93	--
21...	1322	80513	180	188	229	7.9	750	6.0	11.3	93	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
13...	1223	80513	0.0	194	223	8.0	752	26.5	8.1	102	5.20
13...	1224	80513	4.00	194	222	8.1	752	25.5	8.5	106	--
13...	1225	80513	9.00	194	221	8.2	752	24.5	9.0	109	--
13...	1226	80513	10.0	194	221	8.2	752	24.0	9.0	108	--
13...	1227	80513	20.0	194	221	8.2	752	23.5	8.8	105	--
13...	1228	80513	25.0	194	221	8.1	752	22.5	8.1	95	--
13...	1229	80513	26.0	194	223	8.0	752	22.0	7.7	89	--
13...	1230	80513	27.0	194	223	7.9	752	21.0	7.6	87	--
13...	1231	80513	28.0	194	224	7.8	752	19.5	7.4	82	--
13...	1232	80513	29.0	194	226	7.7	752	18.5	7.3	79	--
13...	1233	80513	30.0	194	224	7.7	752	17.5	7.2	76	--
13...	1234	80513	32.0	194	223	7.7	752	16.5	7.1	73	--
13...	1235	80513	35.0	194	223	7.7	752	15.0	7.3	74	--
13...	1236	80513	40.0	194	224	7.7	752	14.0	7.1	70	--
13...	1237	80513	50.0	194	224	7.7	752	13.0	7.3	71	--
13...	1238	80513	60.0	194	222	7.7	752	12.5	7.3	69	--
13...	1239	80513	70.0	194	220	7.7	752	11.0	7.7	71	--
13...	1240	80513	80.0	194	219	7.7	752	10.0	7.9	71	--
13...	1241	80513	90.0	194	222	7.7	752	9.5	7.9	70	--
13...	1242	80513	100	194	222	7.7	752	8.5	7.6	66	--
13...	1243	80513	110	194	222	7.7	752	8.5	7.5	64	--
13...	1244	80513	120	194	223	7.7	752	8.0	7.6	65	--
13...	1245	80513	130	194	226	7.7	752	7.5	7.7	65	--
13...	1246	80513	140	194	228	7.7	752	7.5	7.4	63	--
13...	1247	80513	150	194	229	7.6	752	7.0	7.1	59	--
13...	1248	80513	160	194	230	7.6	752	7.0	6.8	56	--
13...	1249	80513	170	194	231	7.6	752	7.0	6.5	54	--
13...	1250	80513	180	194	230	7.6	752	7.0	6.4	54	--
13...	1251	80513	190	194	230	7.5	752	7.0	6.2	52	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
10...	0748	80513	0.0	208	221	8.1	755	27.0	8.1	103	7.30
10...	0749	80513	10.0	208	222	8.1	755	27.0	8.2	104	--
10...	0750	80513	20.0	208	222	8.1	755	27.0	8.2	104	--
10...	0751	80513	25.0	208	222	8.1	755	26.0	9.1	113	--
10...	0752	80513	26.0	208	222	8.1	755	25.0	9.2	113	--
10...	0753	80513	28.0	208	227	8.0	755	22.0	9.3	108	--
10...	0754	80513	29.0	208	227	8.0	755	22.0	9.3	108	--
10...	0755	80513	30.0	208	227	8.0	755	21.0	9.4	106	--
10...	0757	80513	35.0	208	227	7.8	755	18.5	9.0	97	--
10...	0758	80513	37.0	208	226	7.7	755	17.5	8.8	93	--
10...	0759	80513	40.0	208	227	7.7	755	16.5	8.6	89	--
10...	0800	80513	43.0	208	227	7.6	755	15.5	8.2	83	--
10...	0801	80513	45.0	208	228	7.5	755	14.5	8.0	80	--
10...	0802	80513	50.0	208	229	7.4	755	13.5	7.3	71	--
10...	0803	80513	60.0	208	230	7.4	755	13.0	6.7	64	--
10...	0804	80513	70.0	208	226	7.3	755	11.5	6.6	61	--
10...	0805	80513	80.0	208	225	7.3	755	10.5	6.8	61	--
10...	0806	80513	90.0	208	226	7.3	755	10.0	7.2	64	--
10...	0807	80513	100	208	228	7.3	755	9.0	7.5	66	--
10...	0808	80513	110	208	229	7.3	755	8.5	7.5	65	--
10...	0809	80513	120	208	228	7.3	755	8.0	7.6	65	--
10...	0810	80513	130	208	229	7.3	755	7.5	7.5	63	--
10...	0811	80513	140	208	229	7.2	755	7.5	7.2	60	--
10...	0812	80513	150	208	232	7.2	755	7.5	7.0	59	--
10...	0813	80513	160	208	236	7.2	755	7.0	6.7	56	--
10...	0814	80513	170	208	237	7.2	755	7.0	6.5	54	--
10...	0815	80513	180	208	235	7.2	755	7.0	6.0	50	--
10...	0816	80513	190	208	236	7.1	755	7.0	5.9	49	--
10...	0817	80513	200	208	236	7.1	755	7.0	5.9	49	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
22...	1532	80513	0.0	181	212	8.4	746	28.0	8.0	105	4.70
22...	1533	80513	10.0	181	211	8.4	746	27.5	8.2	107	--
22...	1534	80513	20.0	181	211	8.4	746	27.0	8.0	104	--
22...	1535	80513	24.0	181	216	8.4	746	25.5	8.3	104	--
22...	1536	80513	26.0	181	222	8.3	746	24.5	8.4	103	--
22...	1537	80513	27.0	181	226	8.3	746	24.0	8.3	101	--
22...	1538	80513	28.0	181	225	8.3	746	23.5	8.3	100	--
22...	1539	80513	29.0	181	226	8.2	746	23.0	8.2	97	--
22...	1540	80513	30.0	181	228	8.1	746	22.0	7.9	93	--
22...	1541	80513	31.0	181	230	8.1	746	21.5	7.5	87	--
22...	1542	80513	32.0	181	230	7.9	746	20.5	7.1	80	--
22...	1543	80513	33.0	181	229	7.8	746	19.5	6.8	76	--
22...	1544	80513	36.0	181	230	7.7	746	18.5	6.3	68	--
22...	1546	80513	40.0	181	229	7.6	746	17.5	5.8	62	--
22...	1547	80513	43.0	181	230	7.6	746	16.5	5.4	56	--
22...	1548	80513	47.0	181	231	7.6	746	15.5	4.9	50	--
22...	1549	80513	50.0	181	231	7.5	746	15.0	4.6	46	--
22...	1550	80513	55.0	181	231	7.5	746	14.0	4.3	43	--
22...	1551	80513	60.0	181	231	7.5	746	13.5	4.1	41	--
22...	1552	80513	70.0	181	226	7.4	746	13.0	3.9	37	--
22...	1553	80513	80.0	181	217	7.4	746	11.5	3.7	35	--
22...	1554	80513	90.0	181	215	7.4	746	11.0	4.2	39	--
22...	1555	80513	100	181	210	7.4	746	10.5	4.2	39	--
22...	1556	80513	110	181	213	7.4	746	10.0	4.7	42	--
22...	1557	80513	120	181	214	7.4	746	9.5	5.0	45	--
22...	1558	80513	130	181	219	7.4	746	9.0	5.4	48	--
22...	1559	80513	140	181	224	7.4	746	8.5	5.2	45	--
22...	1600	80513	150	181	230	7.4	746	8.0	4.6	40	--
22...	1601	80513	160	181	234	7.3	746	8.0	3.9	33	--
22...	1602	80513	170	181	235	7.3	746	7.5	3.3	28	--
22...	1603	80513	180	181	236	7.3	746	7.5	2.7	23	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
17...	0815	80513	0.0	177	207	8.5	750	24.0	8.7	106	4.00
17...	0816	80513	10.0	177	208	8.5	750	24.0	8.6	104	--
17...	0817	80513	20.0	177	208	8.5	750	24.0	8.6	104	--
17...	0818	80513	27.0	177	228	7.9	750	23.0	6.4	75	--
17...	0819	80513	30.0	177	231	7.7	750	21.5	4.5	52	--
17...	0820	80513	31.0	177	234	7.6	750	21.0	4.2	48	--
17...	0821	80513	32.0	177	235	7.5	750	20.0	3.2	36	--
17...	0822	80513	33.0	177	236	7.5	750	19.0	2.7	30	--
17...	0823	80513	39.0	177	238	7.4	750	17.5	0.7	8	--
17...	0824	80513	40.0	177	240	7.5	750	17.5	0.6	6	--
17...	0825	80513	45.0	177	238	7.5	750	16.5	1.1	11	--
17...	0826	80513	50.0	177	232	7.5	750	15.5	2.8	28	--
17...	0827	80513	55.0	177	232	7.5	750	14.5	2.3	23	--
17...	0828	80513	60.0	177	230	7.5	750	14.0	2.6	26	--
17...	0829	80513	70.0	177	227	7.5	750	13.0	3.2	31	--
17...	0830	80513	80.0	177	216	7.4	750	12.5	2.9	28	--
17...	0831	80513	90.0	177	209	7.4	750	11.5	3.2	30	--
17...	0832	80513	100	177	204	7.4	750	11.0	3.6	33	--
17...	0833	80513	110	177	207	7.4	750	10.0	4.2	38	--
17...	0834	80513	120	177	215	7.5	750	9.5	4.6	41	--
17...	0835	80513	130	177	226	7.4	750	9.0	4.2	37	--
17...	0836	80513	140	177	228	7.4	750	8.5	3.7	32	--
17...	0837	80513	150	177	234	7.4	750	8.5	2.4	21	--
17...	0838	80513	160	177	238	7.3	750	8.0	1.5	13	--
17...	0839	80513	170	177	237	7.3	750	8.0	1.1	9	--
17...	0840	80513	177	177	236	7.3	750	8.0	0.9	8	--

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

LOCATION.--Lat 36°35'40", long 93°18'33", in NW1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek and 6.1 mi southwest of Branson, Missouri.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT								
11...	0811	80513	218	7.1	755	14.5	5.4	53
24...	0902	80513	207	7.4	754	13.5	6.6	63
NOV								
08...	1429	80513	223	7.2	758	15.5	7.8	78
DEC								
14...	1439	80513	209	7.5	749	12.5	8.7	83
JAN								
24...	1706	80513	233	7.4	755	7.0	11.6	97
MAR								
21...	1348	80513	232	8.1	756	10.0	13.0	116
JUN								
13...	1325	80513	227	7.7	752	9.0	9.2	81
JUL								
10...	0721	80513	235	7.0	755	9.5	6.9	60
AUG								
22...	1507	80513	223	7.4	751	9.5	5.0	45
SEP								
17...	0754	80513	226	7.4	750	10.5	5.1	47

07054500 BULL SHOALS LAKE NEAR FLIPPIN

LOCATION.--Lat 36°21'56", long 92°34'29", in NW1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 6.3 mi northeast of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
11...	1138	80513	0.0	169	253	8.2	762	21.5	8.3	94	4.20
11...	1139	80513	10.0	169	252	8.2	762	21.0	7.9	89	--
11...	1140	80513	20.0	169	252	8.1	762	21.0	7.3	82	--
11...	1141	80513	30.0	169	253	8.0	762	21.0	7.2	81	--
11...	1142	80513	40.0	169	254	7.9	762	21.0	6.4	72	--
11...	1143	80513	50.0	169	254	7.8	762	20.5	5.9	66	--
11...	1144	80513	60.0	169	260	7.3	762	20.0	0.4	4	--
11...	1145	80513	65.0	169	255	7.2	762	19.0	0.1	2	--
11...	1146	80513	70.0	169	254	7.2	762	18.5	0.3	3	--
11...	1147	80513	80.0	169	254	7.2	762	18.0	0.3	3	--
11...	1148	80513	90.0	169	256	7.2	762	17.0	0.5	5	--
11...	1149	80513	100	169	256	7.2	762	16.5	0.9	9	--
11...	1150	80513	110	169	257	7.2	762	15.5	1.2	12	--
11...	1151	80513	120	169	257	7.2	762	15.0	0.7	7	--
11...	1152	80513	130	169	261	7.2	762	14.0	0.1	1	--
11...	1153	80513	140	169	269	7.2	762	12.5	0.1	1	--
11...	1154	80513	150	169	267	7.2	762	11.5	0.1	1	--
11...	1155	80513	160	169	267	7.2	762	10.5	0.1	1	--
11...	1156	80513	169	169	268	7.2	762	10.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
24...	1418	80513	0.0	165	261	7.9	754	19.0	7.7	85	4.70
24...	1419	80513	10.0	165	261	7.9	754	19.0	7.6	83	--
24...	1420	80513	20.0	165	261	7.9	754	19.0	7.4	81	--
24...	1422	80513	30.0	165	260	7.9	754	19.0	7.4	81	--
24...	1423	80513	40.0	165	260	7.9	754	19.0	7.3	80	--
24...	1424	80513	50.0	165	260	7.9	754	19.0	7.2	78	--
24...	1425	80513	60.0	165	260	7.9	754	19.0	6.9	76	--
24...	1426	80513	70.0	165	261	7.9	754	19.0	6.8	75	--
24...	1427	80513	80.0	165	261	7.8	754	19.0	6.6	72	--
24...	1428	80513	86.0	165	261	7.2	754	18.5	0.7	8	--
24...	1429	80513	90.0	165	261	7.2	754	18.0	0.3	3	--
24...	1430	80513	100	165	262	7.1	754	17.5	0.1	1	--
24...	1431	80513	109	165	265	7.1	754	16.5	0.1	1	--
24...	1432	80513	110	165	265	7.1	754	16.5	0.2	2	--
24...	1433	80513	120	165	267	7.1	754	15.5	0.2	2	--
24...	1434	80513	128	165	269	7.1	754	14.5	0.1	1	--
24...	1435	80513	130	165	270	7.1	754	14.0	0.1	1	--
24...	1436	80513	137	165	275	7.1	754	13.5	0.1	1	--
24...	1437	80513	140	165	278	7.1	754	13.0	0.1	1	--
24...	1438	80513	149	165	276	7.1	754	12.0	0.1	1	--
24...	1439	80513	150	165	276	7.1	754	12.0	0.1	1	--
24...	1440	80513	156	165	275	7.1	754	11.0	0.1	1	--
24...	1441	80513	160	165	276	7.1	754	10.5	0.1	1	--
24...	1442	80513	165	165	279	7.1	754	10.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
07...	1233	80513	0.0	166	258	7.8	752	17.0	7.4	78	4.40
07...	1234	80513	10.0	166	258	7.8	752	17.0	7.2	75	--
07...	1235	80513	20.0	166	258	7.7	752	17.0	6.9	72	--
07...	1236	80513	30.0	166	258	7.7	752	17.0	6.8	71	--
07...	1237	80513	40.0	166	259	7.7	752	17.0	6.8	71	--
07...	1238	80513	50.0	166	258	7.7	752	17.0	6.8	71	--
07...	1239	80513	60.0	166	258	7.7	752	17.0	6.8	71	--
07...	1240	80513	70.0	166	258	7.7	752	17.0	6.7	70	--
07...	1241	80513	80.0	166	258	7.7	752	17.0	6.7	70	--
07...	1242	80513	90.0	166	259	7.6	752	16.5	5.7	59	--
07...	1243	80513	100	166	262	7.2	752	16.5	1.1	11	--
07...	1244	80513	110	166	265	7.1	752	15.5	0.2	2	--
07...	1245	80513	120	166	264	7.1	752	15.0	0.1	1	--
07...	1246	80513	130	166	269	7.1	752	14.0	0.1	1	--
07...	1247	80513	140	166	275	7.1	752	13.0	0.1	1	--
07...	1248	80513	150	166	274	7.1	752	12.0	0.1	1	--
07...	1249	80513	160	166	274	7.1	752	11.0	0.1	1	--
07...	1250	80513	166	166	276	7.1	752	10.5	0.1	1	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
13...	0910	80513	0.0	170	265	6.6	751	12.0	8.1	77	2.90
13...	0911	80513	10.0	170	264	7.0	751	12.0	7.9	74	--
13...	0912	80513	20.0	170	263	7.1	751	12.0	7.9	74	--
13...	0913	80513	30.0	170	263	7.2	751	12.0	7.9	74	--
13...	0914	80513	40.0	170	264	7.3	751	12.0	7.8	74	--
13...	0915	80513	50.0	170	263	7.3	751	12.0	7.8	74	--
13...	0916	80513	60.0	170	264	7.4	751	12.0	7.9	75	--
13...	0917	80513	70.0	170	264	7.4	751	12.0	8.2	77	--
13...	0918	80513	80.0	170	263	7.4	751	12.0	8.1	76	--
13...	0919	80513	90.0	170	264	7.4	751	12.0	6.9	65	--
13...	0920	80513	100	170	264	7.4	751	11.5	6.8	63	--
13...	0921	80513	110	170	264	7.4	751	11.5	7.1	66	--
13...	0922	80513	120	170	266	7.3	751	11.5	5.9	55	--
13...	0923	80513	120	170	266	7.3	751	11.5	6.1	57	--
13...	0924	80513	130	170	266	7.3	751	11.5	6.4	60	--
13...	0925	80513	140	170	269	7.2	751	11.5	3.6	33	--
13...	0926	80513	150	170	267	7.3	751	11.0	5.2	48	--
13...	0927	80513	160	170	271	7.2	751	11.0	4.1	37	--
13...	0928	80513	170	170	286	7.1	751	10.5	0.2	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
23...	0847	80513	0.0	173	260	6.7	746	8.0	9.9	85	4.60
23...	0848	80513	10.0	173	260	7.1	746	7.5	9.9	84	--
23...	0850	80513	20.0	173	259	7.3	746	7.5	9.8	84	--
23...	0851	80513	30.0	173	260	7.4	746	7.5	9.8	84	--
23...	0852	80513	40.0	173	260	7.4	746	7.5	9.8	84	--
23...	0853	80513	50.0	173	259	7.4	746	7.5	9.8	83	--
23...	0854	80513	60.0	173	259	7.5	746	7.5	9.8	83	--
23...	0855	80513	70.0	173	260	7.5	746	7.5	9.8	83	--
23...	0856	80513	80.0	173	260	7.5	746	7.5	9.8	83	--
23...	0857	80513	90.0	173	259	7.5	746	7.5	9.7	83	--
23...	0858	80513	100	173	260	7.5	746	7.5	9.7	83	--
23...	0859	80513	110	173	260	7.5	746	7.5	9.7	83	--
23...	0900	80513	120	173	260	7.5	746	7.5	9.8	83	--
23...	0901	80513	130	173	260	7.5	746	7.5	9.7	83	--
23...	0902	80513	140	173	260	7.5	746	7.5	9.7	83	--
23...	0903	80513	150	173	260	7.5	746	7.5	9.7	83	--
23...	0904	80513	160	173	260	7.5	746	7.5	9.7	83	--
23...	0905	80513	170	173	260	7.5	746	7.5	9.5	81	--
23...	0906	80513	173	173	261	7.5	746	7.5	9.3	79	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
20...	1243	80513	0.0	163	271	8.5	759	8.0	12.3	104	6.10
20...	1244	80513	10.0	163	272	8.4	759	8.0	12.1	102	--
20...	1245	80513	20.0	163	271	8.3	759	8.0	12.0	101	--
20...	1246	80513	30.0	163	271	8.3	759	8.0	12.0	101	--
20...	1247	80513	40.0	163	271	8.3	749	8.0	11.9	102	--
20...	1248	80513	50.0	163	271	8.3	749	8.0	11.9	101	--
20...	1249	80513	60.0	163	272	8.3	749	7.5	11.8	101	--
20...	1250	80513	70.0	163	270	8.2	759	7.5	11.7	98	--
20...	1251	80513	80.0	163	269	8.2	759	7.0	11.6	96	--
20...	1252	80513	90.0	163	269	8.2	759	7.0	11.6	96	--
20...	1253	80513	100	163	269	8.2	759	7.0	11.5	95	--
20...	1254	80513	110	163	270	8.2	759	7.0	11.5	95	--
20...	1255	80513	120	163	270	8.1	759	6.5	11.5	94	--
20...	1256	80513	130	163	270	8.1	759	6.5	11.4	92	--
20...	1257	80513	140	163	271	8.1	759	6.5	11.2	91	--
20...	1258	80513	150	163	271	8.0	759	6.5	10.8	88	--
20...	1259	80513	160	163	270	8.0	759	6.0	10.7	87	--
20...	1300	80513	163	163	270	8.0	759	6.0	10.6	86	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
12...	1422	80513	0.0	176	261	8.2	762	27.0	8.3	104	6.70
12...	1423	80513	5.00	176	260	8.3	762	25.0	8.4	102	--
12...	1424	80513	10.0	176	260	8.4	762	24.5	8.7	105	--
12...	1425	80513	20.0	176	257	8.4	762	24.0	8.8	104	--
12...	1426	80513	26.0	176	260	8.3	762	23.5	8.3	98	--
12...	1427	80513	28.0	176	256	8.2	762	22.0	8.4	96	--
12...	1428	80513	29.0	176	257	8.2	762	21.0	9.2	103	--
12...	1429	80513	30.0	176	257	8.2	762	19.5	9.4	103	--
12...	1430	80513	31.0	176	255	8.1	762	18.0	9.3	98	--
12...	1431	80513	33.0	176	253	8.2	762	17.0	9.1	95	--
12...	1432	80513	35.0	176	252	8.2	762	16.5	9.2	93	--
12...	1433	80513	38.0	176	254	8.1	762	15.0	8.9	89	--
12...	1434	80513	40.0	176	254	8.1	762	14.5	9.1	90	--
12...	1435	80513	50.0	176	254	8.0	762	13.5	8.3	80	--
12...	1436	80513	60.0	176	252	8.0	762	13.0	7.4	70	--
12...	1437	80513	70.0	176	254	7.9	762	12.0	7.1	66	--
12...	1438	80513	80.0	176	255	7.9	762	10.5	7.3	66	--
12...	1439	80513	90.0	176	253	7.9	762	10.0	7.3	65	--
12...	1440	80513	100	176	252	7.9	762	9.0	7.6	66	--
12...	1441	80513	110	176	251	7.9	762	9.0	7.2	62	--
12...	1442	80513	120	176	250	7.9	762	8.0	7.2	61	--
12...	1444	80513	130	176	250	7.8	762	8.0	7.4	62	--
12...	1445	80513	140	176	250	7.8	762	7.5	7.4	62	--
12...	1446	80513	150	176	253	7.7	762	7.5	6.6	55	--
12...	1447	80513	160	176	254	7.7	762	7.5	6.1	51	--
12...	1448	80513	170	176	255	7.7	762	7.5	6.1	50	--
12...	1449	80513	176	176	254	7.7	762	7.5	5.4	45	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
10...	1210	80513	0.0	181	260	8.1	765	28.5	8.4	108	6.70
10...	1211	80513	10.0	181	261	8.1	765	28.5	8.5	110	--
10...	1212	80513	20.0	181	261	8.1	765	28.5	8.6	110	--
10...	1213	80513	27.0	181	258	8.1	765	28.0	9.1	116	--
10...	1214	80513	28.0	181	256	8.1	765	27.5	10.7	135	--
10...	1215	80513	29.0	181	253	8.1	765	25.0	12.4	149	--
10...	1216	80513	30.0	181	252	8.1	765	23.0	12.7	148	--
10...	1217	80513	31.0	181	252	8.1	765	22.0	12.9	147	--
10...	1218	80513	32.0	181	251	8.1	765	21.5	13.2	149	--
10...	1219	80513	33.0	181	253	8.1	765	20.5	13.3	147	--
10...	1220	80513	34.0	181	255	8.1	765	19.5	13.0	142	--
10...	1221	80513	37.0	181	258	8.1	765	18.0	12.2	129	--
10...	1222	80513	40.0	181	260	7.9	765	17.0	11.0	113	--
10...	1223	80513	43.0	181	260	7.8	765	16.0	10.2	103	--
10...	1224	80513	50.0	181	261	7.7	765	14.5	9.5	93	--
10...	1225	80513	60.0	181	260	7.6	765	13.0	8.8	83	--
10...	1226	80513	70.0	181	260	7.5	765	12.5	8.0	75	--
10...	1227	80513	80.0	181	262	7.4	765	11.0	7.8	71	--
10...	1228	80513	90.0	181	262	7.4	765	10.0	8.0	71	--
10...	1229	80513	100	181	259	7.4	765	9.0	8.4	73	--
10...	1230	80513	110	181	258	7.4	765	8.5	8.5	72	--
10...	1231	80513	120	181	256	7.4	765	8.0	8.3	70	--
10...	1232	80513	130	181	255	7.4	765	7.5	8.1	67	--
10...	1233	80513	140	181	256	7.3	765	7.5	7.8	64	--
10...	1234	80513	150	181	256	7.3	765	7.5	7.4	62	--
10...	1235	80513	160	181	257	7.3	765	7.0	7.0	58	--
10...	1236	80513	170	181	258	7.3	765	7.0	6.4	52	--
10...	1237	80513	180	181	261	7.2	765	7.0	5.1	42	--
10...	1238	80513	181	181	263	7.2	765	7.0	4.7	39	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
21...	1142	80513	0.0	169	252	8.2	755	28.0	8.1	104	6.20
21...	1143	80513	10.0	169	252	8.2	755	27.5	8.0	102	--
21...	1144	80513	20.0	169	253	8.2	755	27.5	8.0	102	--
21...	1147	80513	27.0	169	255	8.2	755	27.0	9.3	118	--
21...	1148	80513	28.0	169	254	8.2	755	26.0	10.9	136	--
21...	1149	80513	29.0	169	254	8.2	755	25.5	11.8	146	--
21...	1151	80513	30.0	169	253	8.3	755	25.0	12.1	148	--
21...	1152	80513	32.0	169	255	8.3	755	24.0	12.0	143	--
21...	1153	80513	34.0	169	254	8.3	755	23.0	12.0	141	--
21...	1154	80513	37.0	169	256	8.3	755	22.0	11.8	136	--
21...	1155	80513	40.0	169	255	8.2	755	21.0	11.4	129	--
21...	1156	80513	42.0	169	257	8.2	755	20.0	10.7	119	--
21...	1157	80513	47.0	169	256	8.1	755	19.0	9.9	108	--
21...	1158	80513	50.0	169	259	8.0	755	18.0	8.6	92	--
21...	1159	80513	54.0	169	257	7.9	755	17.0	8.0	83	--
21...	1200	80513	60.0	169	258	7.8	755	15.5	6.5	66	--
21...	1201	80513	65.0	169	259	7.7	755	14.5	5.6	56	--
21...	1202	80513	70.0	169	260	7.7	755	14.0	5.3	52	--
21...	1203	80513	80.0	169	262	7.6	755	13.0	4.6	44	--
21...	1205	80513	90.0	169	262	7.6	755	12.0	4.5	43	--
21...	1206	80513	100	169	261	7.6	755	11.0	4.8	44	--
21...	1207	80513	110	169	261	7.6	755	10.0	5.0	44	--
21...	1208	80513	120	169	257	7.6	755	9.5	4.9	43	--
21...	1209	80513	130	169	258	7.6	755	8.5	4.8	41	--
21...	1210	80513	140	169	258	7.5	755	8.5	4.3	37	--
21...	1211	80513	150	169	257	7.5	755	8.0	4.2	36	--
21...	1212	80513	160	169	257	7.4	755	8.0	2.9	25	--
21...	1213	80513	169	169	257	7.4	755	8.0	2.7	23	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
18...	1344	80513	0.0	168	239	8.3	755	25.0	8.7	107	5.80
18...	1345	80513	10.0	168	239	8.3	755	25.0	8.8	108	--
18...	1346	80513	20.0	168	239	8.3	755	25.0	8.8	107	--
18...	1347	80513	30.0	168	240	8.3	755	25.0	9.0	110	--
18...	1348	80513	31.0	168	241	8.3	755	24.5	9.7	118	--
18...	1349	80513	32.0	168	250	8.2	755	23.0	10.9	128	--
18...	1350	80513	33.0	168	251	8.1	755	22.0	11.0	127	--
18...	1351	80513	35.0	168	253	8.1	755	21.0	9.8	111	--
18...	1352	80513	40.0	168	257	7.8	755	20.0	8.2	91	--
18...	1353	80513	44.0	168	257	7.7	755	19.0	6.7	74	--
18...	1354	80513	49.0	168	259	7.5	755	18.0	5.5	58	--
18...	1355	80513	50.0	168	259	7.5	755	17.5	5.2	55	--
18...	1356	80513	57.0	168	257	7.5	755	16.5	4.7	49	--
18...	1357	80513	60.0	168	258	7.5	755	16.0	4.3	44	--
18...	1358	80513	68.0	168	258	7.5	755	14.5	4.0	39	--
18...	1359	80513	70.0	168	256	7.5	755	14.5	4.1	41	--
18...	1400	80513	76.0	168	257	7.5	755	13.5	3.8	36	--
18...	1401	80513	80.0	168	257	7.5	755	13.5	3.6	35	--
18...	1402	80513	90.0	168	257	7.5	755	12.5	3.6	34	--
18...	1403	80513	100	168	255	7.5	755	12.0	3.7	35	--
18...	1404	80513	110	168	255	7.5	755	11.0	3.6	33	--
18...	1405	80513	120	168	257	7.5	755	9.5	3.3	29	--
18...	1406	80513	130	168	256	7.4	755	9.0	3.1	27	--
18...	1407	80513	140	168	254	7.4	755	8.5	2.6	22	--
18...	1408	80513	150	168	253	7.4	755	8.5	2.2	19	--
18...	1409	80513	160	168	254	7.3	755	8.0	1.6	14	--
18...	1410	80513	168	168	252	7.3	755	8.0	0.9	8	--

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN

LOCATION.--Lat 36°21'56", long 92°34'29", in NW1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 11.9 mi upstream from gaging station, 6.3 mi northwest of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

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

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1954 to September 1964, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
11...	1316	80513	80513	258	7.3	763	16.0	2.9	29
24...	1500	80513	80513	266	7.5	759	16.5	8.9	92
NOV									
07...	1129	80513	80513	267	7.5	757	16.0	10.1	103
DEC									
13...	1009	80513	80513	266	7.6	755	12.0	10.0	94
JAN									
23...	0943	80513	80513	264	7.7	750	8.0	10.9	94
MAR									
20...	1320	80513	80513	274	8.2	762	7.5	13.0	108
JUN									
12...	1507	80513	80513	250	7.9	762	10.0	8.1	71
JUL									
10...	1408	80513	80513	257	7.4	767	9.5	9.4	81
AUG									
21...	1241	80513	80513	260	7.6	758	11.0	6.0	55
SEP									
18...	1322	80513	80513	261	7.9	759	13.0	8.5	82

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.8	---	---	8.0	4.0	6.1	9.0	6.3	7.3	9.1	8.1	8.4
2	6.5	3.5	5.2	8.2	4.7	6.7	8.5	5.8	6.7	9.7	8.2	8.8
3	6.2	3.3	4.3	9.2	5.5	6.8	8.8	6.4	7.5	9.9	8.2	9.0
4	---	---	---	8.8	5.5	7.2	9.2	5.9	7.4	9.9	8.2	9.1
5	7.4	2.9	3.8	8.4	4.8	6.7	9.6	6.6	7.9	10.5	8.3	9.2
6	7.4	3.1	4.3	8.4	4.6	6.8	10.7	7.3	8.3	10.2	8.3	9.1
7	9.1	3.2	5.5	10.1	5.8	8.5	9.0	7.0	8.0	10.0	8.6	9.1
8	8.8	2.6	4.6	10.6	5.9	7.8	9.7	6.7	8.1	11.1	8.5	9.5
9	6.7	2.6	3.8	10.4	4.2	7.8	9.9	7.6	8.6	10.5	8.8	9.6
10	10.4	2.5	4.8	9.3	7.8	8.4	9.6	7.1	8.3	10.7	8.8	9.6
11	7.8	2.8	5.0	11.5	6.8	9.4	10.3	7.4	8.3	11.0	8.8	9.7
12	9.9	3.0	5.6	11.0	8.9	9.8	9.9	6.4	8.0	---	---	---
13	9.8	3.3	6.2	10.8	6.2	9.1	---	---	---	---	---	---
14	10.6	3.9	8.0	11.0	6.1	9.0	8.5	6.1	7.0	---	---	---
15	10.4	3.9	8.1	9.4	6.4	8.4	9.4	6.0	7.5	---	---	---
16	10.4	3.3	7.1	11.4	7.3	9.5	9.3	6.8	8.1	---	---	---
17	9.4	3.3	6.5	9.7	6.0	7.8	9.3	7.0	7.7	---	---	---
18	10.4	3.5	7.2	11.2	9.3	10.1	9.4	6.6	7.7	---	---	---
19	9.7	3.1	6.7	10.7	9.1	9.7	10.3	7.2	8.8	---	---	---
20	8.1	4.4	6.5	11.1	9.1	10.0	10.3	8.1	9.2	---	---	---
21	10.1	4.4	7.5	11.1	7.8	9.9	9.7	7.8	8.5	---	---	---
22	10.4	7.6	8.6	11.5	8.0	9.9	10.1	7.8	8.7	---	---	---
23	8.0	3.0	5.9	11.9	7.2	10.3	9.8	8.0	8.7	---	---	---
24	9.3	4.1	6.7	12.2	10.2	11.0	9.8	7.9	8.6	---	---	---
25	7.7	4.0	5.9	11.9	9.9	10.7	9.9	8.1	8.7	---	---	---
26	10.2	3.3	7.3	11.6	9.6	10.4	10.3	8.2	9.0	---	---	---
27	10.2	4.2	8.0	10.6	6.8	8.9	10.1	8.3	8.9	---	---	---
28	10.5	7.8	8.8	11.1	8.6	9.7	10.9	8.3	9.2	---	---	---
29	10.2	6.6	8.5	11.9	10.0	10.8	10.9	8.2	9.3	---	---	---
30	8.3	4.4	7.5	10.0	7.2	8.7	9.6	8.4	8.9	---	---	---
31	8.1	4.2	6.5	---	---	---	9.5	8.1	8.6	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.7	8.4	8.5	8.8	6.9	7.7	10.5	7.7	8.6	7.4	4.8	5.9
2	9.2	7.8	8.5	9.5	7.0	8.0	10.4	7.5	8.6	7.4	4.9	6.2
3	9.3	7.8	8.5	10.0	6.7	8.0	9.9	7.5	8.5	7.4	4.8	5.6
4	9.4	7.8	8.5	8.3	6.5	7.3	10.2	7.4	8.4	---	---	---
5	8.9	7.7	8.3	8.7	6.3	7.5	9.7	7.3	8.1	7.1	4.7	5.3
6	---	---	---	9.0	6.3	7.3	9.5	6.2	7.4	7.6	4.6	5.5
7	---	---	---	9.4	6.2	7.3	8.4	6.2	7.0	7.7	4.5	6.2
8	---	---	---	9.6	6.2	7.6	8.2	5.8	6.6	8.2	4.2	5.3
9	---	---	---	7.9	6.1	7.1	8.4	5.7	6.5	6.9	4.2	4.9
10	---	---	---	---	---	---	7.5	5.7	6.5	7.6	4.3	5.2
11	---	---	---	9.4	6.6	7.6	7.2	5.7	6.2	---	---	---
12	---	---	---	8.5	6.8	7.4	8.5	5.7	6.5	---	---	---
13	---	---	---	9.4	6.9	7.6	---	---	---	7.3	4.2	5.3
14	11.7	8.6	9.9	9.0	7.0	7.9	8.6	5.7	6.3	6.6	4.1	5.2
15	11.9	8.6	10.0	9.0	7.2	7.9	8.0	5.7	6.2	6.9	4.0	5.1
16	12.4	8.8	10.2	9.1	7.3	8.1	7.2	5.4	6.0	8.9	4.2	5.9
17	12.0	8.8	10.2	9.3	7.4	8.2	7.8	5.4	6.3	7.9	3.9	5.8
18	11.6	8.5	9.6	9.8	7.7	8.4	7.6	5.3	6.0	---	---	---
19	12.0	8.5	10.0	9.8	7.8	8.5	7.4	5.3	5.8	8.2	4.2	6.0
20	11.4	8.6	9.9	10.3	7.9	9.1	7.4	5.3	5.9	7.9	4.2	5.6
21	11.5	8.7	9.9	9.9	7.9	8.9	8.5	5.4	6.3	6.5	4.3	5.6
22	11.7	8.9	10.2	9.9	8.0	8.7	8.8	5.6	6.3	6.1	4.2	5.4
23	12.0	8.9	10.6	10.5	8.3	8.9	7.6	5.4	6.1	7.7	4.2	5.9
24	12.2	9.1	10.3	10.0	6.2	7.9	8.2	5.3	6.7	7.9	4.2	6.0
25	12.5	9.2	10.5	11.2	8.0	8.9	8.3	5.2	6.4	7.1	4.1	5.2
26	11.6	7.9	9.2	10.7	7.9	9.2	8.1	5.1	6.1	7.3	4.0	5.6
27	9.9	7.2	8.2	9.6	7.8	8.5	7.7	5.1	6.2	7.1	4.3	5.3
28	9.9	7.3	8.2	10.2	8.6	9.5	7.6	5.1	6.1	8.0	4.1	5.6
29	9.9	7.2	8.0	10.2	7.8	8.9	7.9	5.0	6.3	7.6	4.0	5.2
30	9.7	7.1	8.3	10.1	8.0	8.7	8.2	4.9	6.6	7.7	4.4	6.3
31	---	---	---	9.6	7.7	8.4	8.4	4.9	6.2	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
			OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.0	---	---	16.1	15.3	15.8	14.3	12.7	13.2	9.7	9.2	9.5
2	15.7	14.9	15.4	16.8	15.5	16.2	14.5	12.7	13.3	9.7	8.7	9.2
3	15.9	14.6	15.4	16.7	15.9	16.5	14.0	12.5	13.3	9.5	8.6	9.0
4	15.7	14.2	15.1	16.3	15.6	16.1	13.4	12.1	12.8	9.8	8.7	9.1
5	15.9	14.1	15.3	15.9	15.5	15.8	13.5	12.4	12.9	9.3	8.6	9.0
6	16.9	14.0	15.8	15.7	15.3	15.5	13.2	12.1	12.8	9.1	8.3	8.7
7	16.5	14.1	15.2	16.1	15.4	15.7	13.1	12.0	12.8	8.7	7.1	7.6
8	16.2	14.0	14.7	16.1	15.3	15.8	12.9	11.5	12.6	8.9	7.4	8.4
9	15.8	14.0	15.2	15.8	15.1	15.5	12.7	9.9	11.9	9.2	7.8	8.4
10	15.8	14.3	15.3	15.6	14.7	15.3	12.4	10.7	11.6	9.2	8.0	8.4
11	15.8	14.9	15.5	15.9	14.6	15.4	12.2	10.9	11.8	8.4	7.7	8.2
12	15.8	14.9	15.5	16.0	15.3	15.5	12.3	11.5	11.9	---	---	---
13	15.8	15.0	15.4	15.8	15.1	15.4	12.4	11.4	11.8	---	---	---
14	16.5	14.8	15.6	15.7	15.0	15.3	12.8	11.2	11.7	---	---	---
15	16.1	14.7	15.4	15.2	14.9	15.1	12.3	11.3	11.6	---	---	---
16	15.8	14.9	15.4	15.5	14.7	15.0	11.9	11.0	11.4	---	---	---
17	16.1	14.9	15.5	15.6	14.0	14.8	11.5	10.6	11.1	---	---	---
18	16.1	15.2	15.6	15.3	14.4	14.8	11.5	11.2	11.3	---	---	---
19	16.1	15.1	15.6	15.2	14.4	14.7	11.5	10.6	11.2	---	---	---
20	17.8	15.2	16.6	15.1	14.4	14.6	11.4	10.6	11.0	---	---	---
21	16.6	15.4	16.0	14.8	14.2	14.4	11.0	10.5	10.6	---	---	---
22	16.0	15.2	15.5	15.0	14.2	14.6	11.1	10.3	10.7	---	---	---
23	16.3	15.1	15.7	14.8	14.2	14.4	10.4	9.9	10.2	---	---	---
24	16.9	15.3	16.3	14.7	14.0	14.2	10.7	9.7	10.0	---	---	---
25	16.3	15.2	15.9	14.7	14.0	14.2	10.3	9.7	9.9	---	---	---
26	16.1	15.4	15.7	14.8	13.9	14.2	10.8	9.7	10.1	---	---	---
27	16.7	15.4	15.9	14.1	13.8	14.0	10.4	9.6	9.9	---	---	---
28	16.5	15.6	16.1	14.0	13.6	13.9	10.5	9.1	9.8	---	---	---
29	16.4	15.3	15.7	14.0	13.4	13.6	10.2	8.9	9.6	---	---	---
30	16.0	15.5	15.8	14.1	13.0	13.6	9.7	9.1	9.5	---	---	---
31	16.0	15.3	15.8	---	---	---	10.0	9.5	9.7	---	---	---
			JUNE			JULY			AUGUST			SEPTEMBER	
1	8.3	7.9	8.1	9.0	7.8	8.5	9.6	8.7	9.3	11.3	9.1	10.1
2	8.6	7.6	8.3	11.7	8.0	9.0	9.6	8.4	9.0	12.3	9.4	10.4
3	8.6	7.6	8.3	12.1	7.8	9.0	12.4	8.4	9.4	10.9	9.3	10.3
4	8.5	7.6	8.2	8.6	7.7	8.1	10.7	8.3	9.1	11.2	9.3	10.3
5	8.5	7.7	8.2	10.5	7.7	8.6	9.7	8.3	9.1	11.2	9.6	10.5
6	8.5	7.8	8.3	11.6	7.9	8.7	9.9	8.5	9.3	11.2	9.8	10.7
7	8.5	8.5	8.5	11.6	7.9	8.8	9.9	9.4	9.7	13.1	9.8	10.9
8	8.5	8.5	8.5	13.0	8.0	9.6	10.0	8.5	9.3	11.8	9.7	10.3
9	---	---	---	8.9	7.8	8.5	9.9	8.4	9.2	11.2	9.5	10.5
10	---	---	---	8.8	7.6	8.4	12.0	8.3	9.5	11.3	9.7	10.6
11	---	---	---	9.8	7.9	8.4	9.8	8.6	9.2	---	---	---
12	---	---	---	9.2	7.8	8.5	9.9	8.5	9.2	---	---	---
13	---	---	---	9.0	8.0	8.5	9.9	8.5	9.3	12.3	9.6	10.5
14	9.0	7.7	8.2	10.1	8.0	8.7	10.1	8.4	9.4	11.9	9.4	10.4
15	8.6	7.6	8.2	9.1	7.9	8.5	10.2	8.8	9.5	11.7	9.7	10.4
16	9.7	7.5	8.2	10.0	7.8	8.5	10.2	8.8	9.6	11.8	10.0	10.9
17	8.8	7.6	8.2	9.3	8.0	8.7	10.2	8.8	9.5	11.3	9.6	10.6
18	9.2	7.6	8.3	9.4	8.1	8.9	11.1	8.9	9.6	12.4	9.5	10.5
19	9.6	7.8	8.3	9.4	8.1	8.9	10.3	8.9	9.7	11.3	9.6	10.7
20	8.8	7.6	8.2	11.0	8.3	9.0	10.5	8.9	9.9	12.6	9.8	10.8
21	9.0	7.7	8.2	11.0	8.1	8.8	10.6	9.1	10.1	11.7	10.0	11.2
22	9.2	7.7	8.3	9.5	8.0	8.8	10.6	9.1	10.1	11.3	9.6	10.9
23	10.2	7.7	8.4	9.4	8.1	8.8	10.6	9.1	10.0	13.2	9.5	10.9
24	10.1	7.7	8.4	9.2	8.2	8.8	10.6	9.4	10.1	11.7	10.0	11.0
25	11.2	7.7	8.5	11.7	8.2	9.2	11.9	9.2	10.1	11.5	9.8	10.5
26	10.2	7.5	8.4	11.0	8.1	9.2	10.5	9.1	9.9	11.3	10.1	10.8
27	8.8	7.6	8.3	9.4	8.2	8.8	10.7	9.2	10.0	11.7	9.9	11.1
28	9.2	7.6	8.5	11.0	8.9	9.3	11.1	9.3	10.1	12.6	9.7	10.7
29	9.1	8.0	8.6	9.8	8.2	9.1	10.7	9.2	10.0	11.7	9.6	10.5
30	10.8	7.9	8.7	9.6	8.6	9.3	10.5	9.1	9.9	11.5	10.4	11.3
31	---	---	---	9.8	8.2	9.2	12.0	9.1	9.9	---	---	---

07054502 WHITE RIVER BELOW BULL SHOALS DAM AT BULL SHOALS

LOCATION.--Lat 36°21'44", long 92°23'11", in NW1/4SE1/4 sec.20, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, on White River, 11.8 mi upstream from gaging station, 3 mi southeast of Bull Shoals.

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

PERIOD OF RECORD.--May 1994 to September 1994.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: May 1994 to September 1994.

DISSOLVED OXYGEN: May 1994 to September 1994.

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.4	5.8	6.7	---	---	---	---	---	---
2	7.9	5.5	6.2	8.5	6.1	7.3	---	---	---	9.9	8.7	9.3
3	7.4	5.4	6.1	8.3	5.6	7.4	13.6	6.7	9.0	12.6	9.0	10.3
4	8.1	4.2	6.4	9.4	6.4	7.8	12.8	7.1	8.9	13.4	9.4	10.6
5	7.9	4.5	5.9	8.4	5.6	7.0	13.7	7.4	9.4	11.7	9.2	10.0
6	8.3	4.9	6.1	8.5	5.1	6.8	11.4	7.7	8.7	12.7	8.9	10.1
7	---	---	---	12.8	4.9	7.9	9.6	7.5	8.6	12.7	9.0	10.7
8	---	---	---	12.4	6.1	7.8	9.3	7.4	8.3	12.6	9.3	10.2
9	8.6	4.6	6.0	12.3	5.4	8.0	10.8	7.1	8.8	13.4	9.3	10.7
10	---	---	---	10.0	5.1	7.2	12.8	7.9	9.6	13.6	9.3	10.5
11	6.8	4.7	6.0	13.7	6.8	9.1	10.7	7.4	8.7	12.4	9.0	10.3
12	8.3	5.3	6.6	12.9	6.4	9.0	11.1	7.3	8.4	---	---	---
13	9.8	6.0	7.1	13.0	6.4	8.4	12.0	7.4	9.0	---	---	---
14	---	---	---	13.2	6.2	8.6	14.2	7.2	9.3	---	---	---
15	---	---	---	9.2	6.8	7.7	12.3	6.9	8.8	---	---	---
16	---	---	---	12.8	6.7	9.0	---	---	---	---	---	---
17	---	---	---	13.5	7.0	8.9	10.4	7.8	8.9	---	---	---
18	---	---	---	13.2	6.9	9.1	10.2	7.9	8.9	---	---	---
19	10.3	5.9	7.1	12.9	6.3	8.5	10.2	9.1	9.6	---	---	---
20	9.0	6.2	7.3	13.0	6.2	8.5	12.0	8.7	9.7	---	---	---
21	14.0	6.4	8.6	12.5	7.0	8.7	12.4	8.7	9.9	---	---	---
22	---	---	---	11.8	7.7	8.7	11.6	8.3	9.5	---	---	---
23	6.9	4.9	6.1	12.8	6.0	8.6	12.3	8.9	10.0	---	---	---
24	12.1	5.9	7.6	12.9	7.6	9.4	13.2	8.8	10.3	---	---	---
25	10.3	6.0	7.5	12.9	7.1	9.1	12.6	8.9	10.1	---	---	---
26	---	---	---	12.6	6.6	8.8	13.7	8.9	10.4	---	---	---
27	---	---	---	8.5	5.8	7.1	12.9	9.0	10.3	---	---	---
28	15.3	6.7	9.6	9.6	6.6	8.1	13.4	8.9	10.5	---	---	---
29	15.1	6.6	9.3	11.7	7.6	9.0	13.4	9.4	10.4	---	---	---
30	8.8	6.0	7.0	11.5	7.4	8.5	11.8	9.1	10.1	---	---	---
31	8.0	5.4	6.7	---	---	---	12.0	8.8	9.9	---	---	---
MONTH	---	---	---	13.7	4.9	8.2	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.6	8.7	9.1	11.3	8.4	9.7	11.6	8.0	9.2	17.2	5.4	9.4
2	10.0	7.7	8.7	18.7	8.7	11.4	12.5	7.7	9.4	18.4	7.4	10.4
3	9.8	7.3	8.9	18.3	8.1	11.9	17.5	7.9	11.1	---	---	---
4	9.6	7.6	8.8	15.0	8.1	10.9	15.2	7.4	9.2	10.0	5.9	7.2
5	9.2	7.1	8.6	17.5	8.1	11.8	13.8	7.3	8.9	11.1	5.8	7.5
6	9.7	6.9	8.4	17.7	8.2	10.8	---	---	---	11.6	5.9	7.7
7	9.1	6.9	8.4	15.5	8.5	10.5	10.3	7.4	9.0	20.4	7.0	10.7
8	9.5	6.8	8.5	18.0	8.2	11.9	12.2	7.7	9.3	---	---	---
9	9.6	6.7	8.2	15.0	8.3	10.9	12.5	7.2	9.0	---	---	---
10	10.0	6.6	7.9	10.3	8.4	9.3	16.2	7.0	10.2	---	---	---
11	8.8	6.9	8.1	14.4	7.6	10.0	12.4	6.3	7.9	---	---	---
12	8.7	7.1	7.9	10.1	7.5	8.6	12.7	5.4	8.2	---	---	---
13	8.7	6.3	7.7	10.6	7.5	8.6	11.3	5.9	7.8	---	---	---
14	13.1	7.0	8.7	13.0	7.6	9.4	10.3	6.3	7.6	---	---	---
15	13.4	6.7	9.3	11.7	6.8	8.5	9.5	6.8	8.2	---	---	---
16	15.8	6.1	9.9	11.4	5.6	7.5	---	---	---	---	---	---
17	14.2	6.1	8.9	9.3	6.0	7.2	---	---	---	12.6	7.6	9.9
18	12.5	6.5	8.4	8.2	6.6	7.5	---	---	---	---	---	---
19	15.8	6.7	9.3	9.9	6.5	7.6	10.4	5.6	7.7	---	---	---
20	12.7	6.9	8.9	11.7	6.4	8.0	---	---	---	---	---	---
21	12.2	7.0	9.0	9.9	5.9	7.6	---	---	---	---	---	---
22	12.7	7.2	9.4	10.2	5.7	7.3	---	---	---	---	---	---
23	15.2	7.3	10.0	8.7	5.8	7.2	---	---	---	---	---	---
24	14.0	7.5	9.8	10.5	6.4	8.3	13.4	6.9	9.0	---	---	---
25	16.6	7.7	10.4	16.3	8.2	10.2	---	---	---	14.0	6.0	8.3
26	---	---	---	16.9	8.3	11.6	---	---	---	9.5	5.9	7.9
27	12.1	8.1	9.7	13.5	8.0	9.4	---	---	---	9.1	5.9	7.3
28	14.1	8.7	10.1	16.5	8.5	10.2	---	---	---	13.4	6.2	9.1
29	11.7	8.9	9.9	14.6	8.0	9.6	---	---	---	13.1	5.9	7.7
30	17.3	9.0	11.1	12.3	8.2	9.4	12.4	5.7	9.3	9.0	6.2	7.6
31	---	---	---	12.9	8.6	9.3	---	---	---	---	---	---
MONTH	---	---	---	18.7	5.6	9.4	---	---	---	---	---	---

07054502 WHITE RIVER BELOW BULL SHOALS DAM AT BULL SHOALS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.3	---	---	16.3	14.9	15.6	---	---	---	9.0	7.9	8.7
2	16.2	14.7	15.6	16.5	15.0	15.9	---	---	---	8.9	6.1	7.6
3	16.3	15.6	16.0	16.5	14.3	16.0	15.2	11.1	13.1	9.0	5.3	6.8
4	16.1	14.9	15.7	16.5	13.0	15.3	13.9	9.9	11.8	11.2	5.8	8.0
5	16.2	14.6	15.6	15.8	13.8	15.0	15.1	10.1	12.1	8.6	6.8	7.6
6	16.9	14.5	16.0	15.5	13.9	14.8	12.9	9.2	11.7	8.4	5.6	6.8
7	20.1	13.9	16.2	17.2	14.4	15.3	13.2	8.6	12.0	7.9	2.3	4.8
8	20.2	13.6	15.5	16.6	12.9	15.1	12.4	9.2	11.8	9.0	3.6	6.9
9	16.5	13.4	15.4	16.6	12.8	14.9	---	---	---	11.1	4.6	7.7
10	17.8	14.8	15.9	15.8	13.3	14.9	---	---	---	10.3	5.8	7.7
11	16.1	14.9	15.7	15.6	12.4	14.0	12.0	7.3	10.7	7.9	6.5	7.5
12	16.6	14.9	15.8	16.6	12.6	14.3	12.2	9.6	11.2	---	---	---
13	16.8	14.6	15.8	15.4	12.8	14.4	13.0	10.5	11.7	---	---	---
14	18.8	14.1	16.1	16.3	12.4	14.4	15.6	10.2	12.2	---	---	---
15	18.9	13.6	15.7	14.8	13.2	14.4	13.3	10.8	11.7	---	---	---
16	18.5	14.1	15.6	16.5	12.8	14.6	13.6	10.1	11.4	---	---	---
17	16.4	14.2	15.4	17.2	12.1	14.5	10.9	7.8	9.6	---	---	---
18	17.8	14.2	15.6	16.6	12.8	14.2	11.1	8.4	10.3	---	---	---
19	17.4	14.3	15.6	17.0	12.7	14.1	10.8	8.1	9.7	---	---	---
20	17.5	14.0	16.2	16.7	12.9	14.2	10.8	8.4	9.9	---	---	---
21	18.6	14.2	16.1	15.5	12.1	13.5	9.6	7.8	8.5	---	---	---
22	18.6	13.7	15.5	15.4	12.0	13.7	10.5	8.1	9.1	---	---	---
23	16.1	14.6	15.4	15.4	12.4	13.7	8.4	7.6	8.0	---	---	---
24	17.6	13.8	15.7	15.3	11.8	12.9	11.5	6.8	8.4	---	---	---
25	16.7	13.4	15.4	16.0	11.8	13.3	8.9	7.2	7.9	---	---	---
26	17.2	14.4	15.6	16.2	12.2	13.7	12.3	7.4	9.1	---	---	---
27	17.8	14.6	15.8	13.8	13.3	13.5	9.3	7.3	8.1	---	---	---
28	17.8	13.9	15.3	13.7	11.1	13.2	9.8	6.4	8.2	---	---	---
29	17.5	13.9	15.4	14.6	10.7	12.2	10.8	5.7	8.2	---	---	---
30	16.1	14.6	15.4	14.9	11.2	12.9	8.4	6.9	7.7	---	---	---
31	16.1	14.8	15.5	---	---	---	9.4	8.2	8.7	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.5	7.9	8.2	11.0	8.9	9.7	12.2	9.5	10.3	15.3	10.7	12.0
2	9.7	8.2	8.6	16.9	9.2	11.5	12.2	9.6	11.0	16.6	10.8	12.5
3	10.1	8.2	8.9	18.0	10.6	12.5	17.7	10.3	12.5	12.1	10.7	11.2
4	9.6	8.2	8.5	11.4	9.4	10.3	14.3	9.7	11.2	12.6	10.9	11.4
5	9.6	8.1	8.5	15.7	9.8	11.4	14.2	9.6	11.0	14.4	10.9	11.5
6	10.3	8.1	8.6	16.4	9.2	11.0	12.3	9.7	10.5	11.8	10.9	11.2
7	10.4	8.4	9.0	15.9	9.2	11.0	10.1	9.8	9.9	17.9	11.1	12.8
8	10.4	8.4	8.9	18.4	10.1	12.7	13.1	10.1	11.3	15.5	11.6	12.9
9	10.4	8.3	8.9	12.0	9.1	10.7	12.9	9.9	11.3	12.6	11.1	11.7
10	10.1	8.3	8.8	10.6	8.9	9.7	17.1	10.0	12.4	14.8	11.1	11.9
11	10.1	8.3	8.7	13.8	9.4	11.1	12.2	10.0	10.9	---	---	---
12	9.6	8.4	8.8	11.0	9.1	9.9	12.0	9.9	10.7	---	---	---
13	10.2	8.4	8.9	11.6	9.1	10.4	11.9	9.7	10.6	16.8	11.4	12.5
14	12.2	8.5	9.5	17.7	9.7	12.2	11.4	9.8	10.4	15.9	10.7	12.1
15	11.3	8.7	9.9	11.7	9.0	10.2	11.8	10.0	10.6	18.4	11.6	13.1
16	13.7	8.9	10.7	16.6	9.0	10.8	12.1	10.2	10.8	18.4	11.4	13.5
17	11.9	8.9	10.3	12.0	9.1	10.3	12.1	10.1	10.6	13.2	11.3	12.1
18	12.0	8.7	10.4	11.2	9.2	9.6	13.2	10.1	11.1	---	---	---
19	13.2	8.5	10.7	13.3	9.2	10.2	11.8	10.1	10.7	---	---	---
20	11.5	8.6	9.8	14.9	9.6	11.2	11.6	10.2	10.6	---	---	---
21	12.0	8.6	10.0	13.6	9.8	11.1	---	---	---	---	---	---
22	12.0	8.8	10.1	12.0	9.3	10.6	11.6	10.4	10.7	---	---	---
23	13.1	9.1	10.4	12.4	9.2	10.4	11.9	10.5	10.9	---	---	---
24	12.9	9.3	10.4	11.4	9.2	9.9	13.3	10.6	11.4	---	---	---
25	15.0	9.0	11.0	15.6	9.3	10.8	16.1	10.3	11.9	14.4	11.6	12.6
26	14.7	8.5	9.9	15.6	10.0	11.9	12.5	10.5	11.3	18.0	11.8	14.8
27	11.3	8.7	9.6	12.1	9.2	10.6	12.6	10.7	11.5	16.4	11.5	12.5
28	12.2	8.8	9.9	14.8	9.4	10.4	14.3	10.7	11.5	17.7	11.1	13.5
29	11.9	8.8	9.7	12.9	9.4	10.6	14.1	10.5	11.4	16.5	10.7	12.0
30	14.4	8.9	10.5	13.1	9.4	10.5	12.5	10.8	11.7	12.4	11.3	11.7
31	---	---	---	12.5	9.5	10.4	16.3	10.6	12.0	---	---	---

07054527 WHITE RIVER BELOW BULL SHOALS DAM NEAR FAIRVIEW

LOCATION.--Lat 36°20'37", long 92°34'27", in SW1/4SE1/4SE1/4 sec.3, T.19 N., R.3 W., Marion County, Hydrologic Unit 11010003, 2.0 mi downstream from Bull Shoals Dam, and 4.0 mi east of Fairview.

PERIOD OF RECORD.--June, 1992 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1992 to current year.

DISSOLVED OXYGEN: June 1992 to current year.

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.1	---	---	7.2	4.6	6.1	12.5	8.4	9.8	---	---	---
2	6.7	4.0	5.6	7.5	5.0	6.4	12.2	8.0	9.6	---	---	---
3	6.1	4.3	5.3	7.4	5.7	6.7	12.2	7.5	9.4	---	---	---
4	7.0	4.4	5.7	8.6	6.0	7.3	12.5	7.4	9.6	---	---	---
5	6.9	3.5	5.2	8.2	5.6	7.0	12.6	8.2	9.8	---	---	---
6	6.9	4.0	5.1	7.7	5.6	6.8	10.8	7.8	9.0	---	---	---
7	15.5	5.0	9.4	11.9	6.2	8.9	9.9	7.7	8.7	---	---	---
8	15.1	5.5	8.6	10.4	6.2	7.7	10.0	7.8	8.6	---	---	---
9	7.4	3.7	5.4	10.8	4.9	7.6	10.6	8.2	9.4	---	---	---
10	13.3	4.1	7.3	10.3	6.1	8.4	13.2	8.7	10.6	---	---	---
11	7.1	3.6	5.2	12.4	6.8	9.7	10.9	8.3	9.4	---	---	---
12	9.0	3.7	5.7	12.4	7.3	9.8	11.4	8.1	9.2	---	---	---
13	---	---	---	11.9	6.6	8.5	11.4	8.1	9.5	---	---	---
14	14.1	5.5	8.6	11.8	6.3	8.5	12.9	8.4	10.0	---	---	---
15	15.9	4.5	10.0	9.0	6.4	7.8	11.9	8.2	9.5	---	---	---
16	14.6	4.5	7.9	11.7	7.1	8.9	13.0	8.9	10.4	---	---	---
17	---	---	---	11.9	6.7	8.7	10.8	8.8	9.6	---	---	---
18	14.5	4.2	7.8	12.7	7.3	9.8	10.4	8.7	9.5	---	---	---
19	13.2	4.9	7.1	12.6	8.4	9.9	10.7	9.3	10.0	---	---	---
20	7.5	5.2	6.1	12.7	8.3	9.9	12.4	9.0	10.4	---	---	---
21	10.8	5.0	7.4	10.9	8.3	9.2	13.1	9.7	11.0	---	---	---
22	12.5	6.3	8.8	10.2	7.9	8.9	11.9	9.2	10.3	---	---	---
23	6.5	4.4	5.6	11.6	7.6	9.2	13.4	9.9	11.3	---	---	---
24	8.6	4.6	6.5	12.8	8.6	10.3	13.9	10.3	11.6	---	---	---
25	8.2	4.4	6.1	12.8	8.5	10.1	13.6	10.1	11.4	---	---	---
26	12.5	4.6	7.6	12.2	8.1	9.7	14.0	10.2	11.5	---	---	---
27	12.7	5.1	8.5	10.7	6.9	8.1	13.8	10.2	11.6	---	---	---
28	12.6	6.2	9.2	9.4	7.7	8.5	14.2	10.2	11.5	---	---	---
29	13.0	7.2	9.4	---	---	---	13.6	10.3	11.4	---	---	---
30	8.6	5.7	7.3	10.0	8.0	8.9	13.0	10.4	11.5	---	---	---
31	7.6	5.4	6.5	---	---	---	12.9	10.0	11.1	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.9	7.9	8.3	14.5	10.4	11.5	10.5	7.8	8.7	12.7	5.5	7.8
2	9.2	7.3	8.3	---	---	---	13.6	7.9	9.4	13.4	6.0	8.6
3	9.0	7.2	8.4	19.9	10.5	13.9	15.9	8.0	10.6	7.4	5.4	6.1
4	9.0	7.4	8.2	16.7	10.7	13.3	14.4	7.9	9.5	10.2	5.4	6.3
5	8.6	7.2	8.1	19.8	11.2	14.4	12.8	8.0	8.9	12.6	5.4	7.0
6	8.5	7.0	8.1	19.8	11.7	14.2	---	---	---	7.8	5.0	6.2
7	9.5	7.1	8.5	16.6	12.3	14.0	10.2	7.7	8.6	15.1	5.7	9.1
8	9.2	7.1	8.2	---	---	---	12.6	7.9	9.2	10.1	6.4	8.0
9	9.4	6.9	8.1	19.6	13.4	15.9	12.3	7.9	9.1	10.5	5.1	6.7
10	10.3	6.7	8.1	16.6	9.7	13.5	15.8	7.9	10.6	12.3	5.1	7.1
11	8.6	7.2	8.1	14.0	9.0	11.1	12.1	7.6	8.7	---	---	---
12	9.3	7.3	8.2	11.0	8.3	9.7	12.6	7.6	9.0	---	---	---
13	---	---	---	12.9	9.0	10.0	12.4	7.7	8.7	14.4	6.1	8.5
14	---	---	---	---	---	---	11.5	7.5	8.4	13.6	6.1	8.4
15	15.1	7.0	9.8	14.2	8.6	9.9	11.9	7.4	8.5	10.3	6.3	7.7
16	---	---	---	---	---	---	13.2	7.2	8.8	12.4	6.2	8.1
17	14.6	6.4	9.2	14.1	8.8	10.0	12.2	7.7	8.9	11.0	6.6	7.8
18	14.8	7.0	9.1	11.9	8.9	9.6	14.4	7.2	9.0	---	---	---
19	---	---	---	14.0	8.7	9.9	11.4	7.0	7.9	9.0	6.4	7.5
20	---	---	---	---	---	---	9.9	6.3	7.7	15.5	6.4	10.4
21	14.5	7.1	9.1	---	---	---	10.7	6.2	7.5	8.0	6.4	7.1
22	14.3	7.2	9.4	12.5	8.0	9.1	9.3	6.2	7.3	8.0	6.2	7.0
23	15.6	7.7	9.9	10.8	8.0	8.7	10.6	6.6	7.6	15.3	6.6	9.7
24	14.7	7.7	9.6	---	---	---	12.2	7.3	8.4	11.9	6.4	7.7
25	---	---	---	15.5	8.3	9.9	15.0	6.5	9.1	13.6	4.4	8.4
26	---	---	---	16.3	8.1	10.9	9.6	6.7	7.5	7.9	6.4	7.2
27	14.7	8.6	10.2	13.2	8.1	9.3	12.2	6.2	8.0	7.8	5.3	6.6
28	15.2	9.4	10.8	14.4	8.3	9.7	12.8	5.8	7.6	15.5	5.8	10.0
29	13.8	9.9	10.9	13.7	8.4	9.5	12.6	6.4	7.9	15.5	5.7	8.4
30	18.5	10.5	12.6	13.1	8.1	9.2	11.3	6.6	8.3	8.6	6.2	7.2
31	---	---	---	12.9	8.3	9.0	13.7	6.4	8.8	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.3	15.4	15.7	14.7	10.7	12.5	---	---	---
2	16.2	15.4	15.8	16.4	15.4	15.9	14.7	11.2	12.9	---	---	---
3	16.8	15.7	16.1	16.5	15.0	16.0	14.2	11.5	13.0	---	---	---
4	16.2	15.5	15.8	16.5	13.6	15.4	12.9	10.0	11.7	---	---	---
5	16.2	15.4	15.8	15.8	14.0	15.1	13.7	10.7	12.2	---	---	---
6	16.8	15.0	16.0	15.4	14.3	15.1	12.8	10.3	11.9	---	---	---
7	20.1	15.1	17.1	17.2	14.9	15.6	13.1	10.0	12.2	---	---	---
8	20.2	14.9	16.6	16.5	13.2	15.2	12.4	10.0	11.9	---	---	---
9	16.5	14.7	15.7	16.8	13.1	15.1	12.2	7.5	10.9	---	---	---
10	18.8	15.5	16.3	16.0	13.2	15.2	11.6	8.3	10.2	---	---	---
11	16.2	15.5	15.8	15.2	11.2	13.4	12.0	8.5	11.0	---	---	---
12	17.1	15.4	16.0	16.3	12.4	14.2	12.0	10.3	11.3	---	---	---
13	17.9	15.3	16.1	15.5	13.2	14.4	12.6	10.8	11.7	---	---	---
14	18.7	14.9	16.5	16.2	12.3	14.5	14.1	10.7	12.3	---	---	---
15	19.7	14.2	16.5	14.8	13.4	14.4	12.7	11.2	11.8	---	---	---
16	19.4	14.9	16.2	16.2	13.2	14.6	12.7	10.4	11.5	---	---	---
17	17.3	14.8	15.8	16.4	12.5	14.5	11.0	9.4	10.3	---	---	---
18	19.1	14.8	16.1	16.2	12.5	14.2	11.1	10.0	10.8	---	---	---
19	18.3	15.0	16.0	16.3	12.3	13.9	10.9	9.3	10.4	---	---	---
20	17.4	14.5	16.3	16.2	12.6	14.0	10.8	9.4	10.3	---	---	---
21	18.2	14.9	16.4	15.0	11.7	13.1	10.1	8.5	8.9	---	---	---
22	19.4	14.1	16.3	14.9	11.5	13.4	10.5	8.0	9.4	---	---	---
23	16.0	15.3	15.7	14.9	12.0	13.5	---	---	---	---	---	---
24	17.3	14.2	15.9	14.4	11.1	12.4	9.9	6.8	8.1	---	---	---
25	16.9	13.7	15.6	15.1	11.2	12.9	8.2	7.2	7.7	---	---	---
26	17.7	15.0	16.0	15.6	11.8	13.5	10.5	7.3	8.7	---	---	---
27	18.0	15.1	16.2	13.6	13.1	13.4	8.8	7.7	8.2	---	---	---
28	17.7	14.1	15.6	13.6	11.8	13.3	10.1	7.1	8.5	---	---	---
29	17.7	14.1	15.7	13.9	10.9	12.2	10.3	5.8	8.2	---	---	---
30	16.1	15.1	15.6	14.2	10.6	12.6	8.2	7.0	7.7	---	---	---
31	16.1	15.3	15.7	---	---	---	9.0	8.1	8.6	---	---	---

07054527 WHITE RIVER BELOW BULL SHOALS DAM NEAR FAIRVIEW--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.8	8.0	8.4	13.3	9.0	10.2	11.6	9.7	10.4	17.7	10.9	13.3
2	9.6	8.2	8.7	20.2	9.6	12.6	16.7	9.8	12.2	18.8	11.1	13.9
3	10.8	8.2	8.9	20.5	10.6	13.7	20.2	10.4	13.8	13.3	10.8	11.7
4	9.7	8.2	8.6	14.6	9.9	12.6	18.1	9.8	12.5	14.9	11.1	11.9
5	10.4	8.2	8.7	18.7	10.2	13.3	16.7	9.7	11.6	17.1	11.1	12.4
6	10.4	8.2	8.7	19.6	9.3	12.4	14.0	9.7	10.9	13.4	11.1	11.7
7	10.4	8.4	8.9	14.3	9.5	11.0	10.7	9.9	10.2	20.3	11.4	14.1
8	10.2	8.5	9.0	21.6	10.5	14.5	16.5	10.3	11.8	15.8	12.2	13.9
9	10.7	8.3	9.1	15.1	9.4	12.1	15.6	10.2	12.0	16.5	11.2	13.2
10	11.2	8.3	9.1	12.0	9.0	10.0	20.1	10.7	14.2	16.9	11.2	12.5
11	10.4	8.4	8.9	13.9	10.1	11.8	14.6	10.5	12.5	---	---	---
12	10.9	8.5	9.0	12.7	9.3	10.8	15.8	10.0	11.7	---	---	---
13	---	---	---	13.7	9.3	10.8	15.3	9.8	11.3	19.2	11.8	13.8
14	14.7	8.5	9.9	15.2	10.1	12.9	14.2	10.0	10.9	17.7	12.0	13.8
15	14.2	9.2	10.9	15.0	9.1	10.9	14.2	10.2	11.1	15.0	12.5	13.8
16	16.8	9.6	11.5	17.6	9.2	11.5	16.2	10.2	11.5	16.2	12.4	14.2
17	14.0	8.9	11.0	15.6	9.3	10.9	15.2	10.4	11.7	16.2	11.6	13.2
18	15.0	8.8	10.4	11.7	9.3	9.9	17.2	10.3	12.5	18.3	12.0	13.7
19	15.7	8.5	11.0	15.1	9.3	10.6	14.1	10.2	11.2	14.0	11.6	12.3
20	14.0	8.6	10.1	18.2	9.9	12.2	13.0	10.4	11.1	19.6	12.2	15.5
21	14.6	8.6	10.4	17.8	10.1	12.3	13.6	10.5	11.1	13.9	12.1	12.8
22	14.5	8.9	10.3	15.0	9.5	11.3	14.0	10.6	11.3	13.6	11.7	12.6
23	16.3	9.3	11.0	13.4	9.3	10.7	13.9	10.6	11.5	20.4	12.3	15.1
24	15.8	9.6	10.9	12.7	9.3	10.2	15.5	11.0	12.3	15.0	11.9	13.2
25	18.5	9.2	12.1	18.9	9.6	11.9	20.3	10.5	13.5	16.3	12.5	14.0
26	14.6	8.7	10.4	19.7	10.6	13.4	14.1	10.7	11.9	14.7	12.1	13.2
27	14.0	8.8	10.0	16.0	9.4	11.8	16.4	10.9	12.7	13.7	11.6	12.4
28	14.1	8.9	10.1	16.1	9.7	11.2	18.0	10.8	12.5	17.7	12.0	14.4
29	13.0	8.8	9.9	15.6	9.4	11.1	17.3	10.7	12.4	18.2	11.6	13.4
30	18.1	9.1	11.2	15.0	9.5	10.8	16.0	11.2	12.7	12.5	11.6	12.0
31	---	---	---	14.7	9.7	10.8	18.8	11.1	13.8	---	---	---

07055646 BUFFALO RIVER NEAR BOXLEY

LOCATION.--Lat 35°56'43", long 91°59'42", in SW1/4SE1/4 sec.22, T.15 N., R.23 W., Newton County, Hydrologic Unit 11010005, on right bank 1.8 mi upstream from Highway 43 bridge, 0.8 mi upstream from Smith Creek, 2.6 mi south of Boxley, and at mi 108.9.

PERIOD OF RECORD.--April 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 02...	1030	80513	80020	6.7	2.57	145	7.6	739	14.5	16.5	8.2
FEB 23...	0830	80513	80020	--	--	78	7.9	728	9.0	17.5	11.1
MAY 09...	0815	80513	80020	46	2.98	58	7.4	739	16.0	22.0	9.1
JUN 21...	1120	80513	80020	9.5	2.52	86	7.5	737	21.0	25.0	7.8
AUG 22...	1200	80513	80020	1.0	2.00	160	7.6	742	24.0	24.0	5.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
NOV 02...	1030	84	260	190	1100	66	1	23	2.0	1.4	4
FEB 23...	0830	101	<1	K2	K4	35	6	12	1.2	1.1	6
MAY 09...	0815	94	K13	K12	K84	24	3	8.2	0.92	0.90	7
JUN 21...	1120	91	K8	K12	41	38	0	13	1.3	1.1	6
AUG 22...	1200	63	K19	20	110	76	0	27	2.2	1.5	4

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NOV 02...	1030	0.1	1.1	64	0	79	65	4.7	1.1	<0.10	5.5
FEB 23...	0830	0.1	0.60	30	0	35	29	2.9	1.1	<0.10	4.5
MAY 09...	0815	0.1	0.70	23	0	26	21	2.9	1.1	<0.10	5.9
JUN 21...	1120	0.1	0.80	39	0	48	40	2.3	0.90	<0.10	6.4
AUG 22...	1200	0.1	1.1	79	0	97	80	3.0	0.90	<0.10	6.2

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 02...	1030	79	78	1.43	0.11	<0.010	0.070	0.070	<0.015	<0.20	<0.20
FEB 23...	0830	53	41	--	0.07	0.010	--	<0.050	<0.015	<0.20	<0.20
MAY 09...	0815	29	33	3.60	0.04	<0.010	--	<0.050	0.020	<0.20	<0.20
JUN 21...	1120	54	49	1.39	0.07	<0.010	--	<0.050	0.020	<0.20	<0.20
AUG 22...	1200	94	90	0.25	0.13	<0.010	--	<0.050	<0.015	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 02...	1030	0.010	0.020	0.040	1.2	0.20	29	12	26	0.47	85
FEB 23...	0830	<0.010	<0.010	<0.010	0.40	0.20	9.0	3.0	5	--	92
MAY 09...	0815	0.020	<0.010	0.010	0.60	0.10	11	3.0	17	2.1	84
JUN 21...	1120	<0.010	<0.010	<0.010	0.50	0.10	7.0	13	7	0.18	59
AUG 22...	1200	<0.010	<0.010	<0.010	0.60	0.20	13	62	5	0.01	96

07056000 BUFFALO RIVER NEAR ST. JOE

LOCATION.--Lat 35°59'00", long 92°44'47", in SW1/4SW1/4 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, 1.2 mi downstream from Mill Creek, 4.0 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft above sea level. Prior to Mar. 1, 1940, nonrecording gage at present site and datum. Prior to Nov. 6, 1990, at site 300 ft downstream at same datum.

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	166	88	253	737	189	1960	1780	187	66	47	26
2	111	146	86	290	639	187	1600	1500	493	62	63	27
3	206	129	84	370	551	180	1390	1290	718	59	53	27
4	192	122	81	405	466	175	1260	1140	496	63	54	25
5	127	119	79	421	421	174	1250	1010	395	63	55	26
6	109	126	77	457	396	199	1120	925	303	59	58	26
7	104	146	75	468	376	209	1010	972	276	58	57	25
8	92	152	78	432	370	210	934	952	603	57	57	24
9	85	207	74	400	364	218	853	820	559	59	56	23
10	79	226	73	395	351	208	763	708	439	59	53	22
11	74	235	73	490	327	196	687	647	356	64	50	21
12	70	363	73	933	300	187	640	697	295	62	47	20
13	65	389	73	1240	278	182	1710	737	247	59	44	19
14	62	327	73	1200	260	180	2690	650	203	59	41	19
15	59	267	74	1140	245	186	1990	593	234	59	39	39
16	56	223	74	982	231	193	1580	552	247	59	37	158
17	52	196	131	856	220	199	1310	499	188	59	36	60
18	50	176	1730	923	209	226	1140	441	155	60	36	61
19	48	157	4040	2440	203	856	1030	390	171	61	32	71
20	49	142	3340	1830	198	1410	1020	347	141	59	31	73
21	46	129	1760	1380	195	1120	1130	306	122	58	30	93
22	45	120	1170	1110	194	954	4730	274	116	56	32	71
23	44	120	884	1640	191	843	21900	249	112	54	31	66
24	43	113	691	5690	185	792	8660	228	100	53	28	82
25	42	110	555	3300	180	2660	4800	208	91	52	30	73
26	41	105	465	2320	175	2900	3380	194	87	52	32	10300
27	82	102	401	1750	175	2010	2550	192	84	54	33	39300
28	535	97	351	1350	179	1890	2100	190	80	53	30	5400
29	269	93	310	1140	184	3250	2630	182	79	52	29	2760
30	239	91	281	996	---	2600	2220	178	72	52	28	1810
31	194	---	262	859	---	2180	---	179	---	50	27	---
TOTAL	3331	5094	17606	37460	8800	26963	80037	19030	7649	1792	1276	60747
MEAN	107	170	568	1208	303	870	2668	614	255	57.8	41.2	2025
MAX	535	389	4040	5690	737	3250	21900	1780	718	66	63	39300
MIN	41	91	73	253	175	174	640	178	72	50	27	19
AC-FT	6610	10100	34920	74300	17450	53480	158800	37750	15170	3550	2530	120500
CFSM	.13	.20	.69	1.46	.37	1.05	3.22	.74	.31	.07	.05	2.44
IN.	.15	.23	.79	1.68	.39	1.21	3.59	.85	.34	.08	.06	2.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	322	956	1220	1172	1551	1964	2193	1919	790	229	172	182
MAX	3357	5106	8516	6934	5455	8897	9584	6975	5468	1134	1569	2025
(WY)	1942	1995	1983	1949	1989	1945	1945	1990	1945	1950	1950	1996
MIN	14.2	19.7	30.4	32.4	114	236	237	352	67.6	29.6	15.0	10.2
(WY)	1964	1964	1990	1964	1963	1972	1963	1977	1977	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	430974		269785			
ANNUAL MEAN	1181		737		1052	
HIGHEST ANNUAL MEAN					2619	1945
LOWEST ANNUAL MEAN					316	1963
HIGHEST DAILY MEAN	27600	Jan 14	39300	Sep 27	124000	Dec 3 1982
LOWEST DAILY MEAN	31	Sep 3	19	Sep 13	7.0	Sep 17 1954
ANNUAL SEVEN-DAY MINIMUM	32	Aug 31	21	Sep 8	7.4	Sep 11 1954
INSTANTANEOUS PEAK FLOW			59800	Sep 27	[a]158000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			32.99	Sep 27	53.75	Dec 3 1982
INSTANTANEOUS LOW FLOW			18	Sep 15	6.6	Sep 16,17,20 1954
ANNUAL RUNOFF (AC-FT)	854800		535100		762300	
ANNUAL RUNOFF (CFSM)	1.42		.89		1.27	
ANNUAL RUNOFF (INCHES)	19.34		12.11		17.25	
10 PERCENT EXCEEDS	2700		1660		2330	
50 PERCENT EXCEEDS	401		189		314	
90 PERCENT EXCEEDS	48		44		45	

[a]From rating curve extended above 91,000 ft^3/s

07056000 BUFFALO RIVER NEAR ST. JOE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 01...	1445	80513	80020	166	4.55	209	8.2	748	17.0	20.5	10.1
FEB 22...	1415	80513	80020	195	4.68	196	8.3	746	12.5	19.0	12.1
MAY 08...	1430	80513	80020	947	5.90	184	8.2	754	20.5	26.0	10.2
JUN 20...	1340	80513	80020	140	4.64	188	8.1	751	27.0	26.5	8.2
AUG 21...	1520	80513	80020	30	3.56	221	8.3	756	28.0	27.5	10.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
NOV 01...	1445	106	39	37	82	100	3	36	2.6	1.5	3
FEB 22...	1415	116	K1	<1	K1	95	12	34	2.5	1.5	3
MAY 08...	1430	115	K4	K5	K5	89	6	32	2.2	1.4	3
JUN 20...	1340	105	K9	K5	K15	92	2	33	2.4	1.5	3
AUG 21...	1520	136	230	210	87	110	1	38	3.2	1.9	4

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NOV 01...	1445	0.1	1.2	99	0	119	97	4.3	2.2	<0.10	6.0
FEB 22...	1415	0.1	0.70	84	0	102	83	5.1	2.3	<0.10	2.4
MAY 08...	1430	0.1	0.80	83	0	101	83	5.2	1.8	<0.10	4.8
JUN 20...	1340	0.1	0.80	90	0	110	90	3.7	1.6	<0.10	7.4
AUG 21...	1520	0.1	1.0	107	0	131	107	4.1	2.5	<0.10	8.8

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 01...	1445	120	113	53.8	0.16	<0.010	0.220	0.220	<0.015	<0.20	<0.20
FEB 22...	1415	112	99	59.0	0.15	<0.010	--	<0.050	<0.015	<0.20	<0.20
MAY 08...	1430	106	98	271	0.14	<0.010	0.080	0.080	0.020	<0.20	<0.20
JUN 20...	1340	98	105	37.0	0.13	<0.010	0.070	0.070	0.020	<0.20	<0.20
AUG 21...	1520	133	124	10.8	0.18	<0.010	--	<0.050	<0.015	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	1445	<0.010	<0.010	<0.010	1.7	0.20	38	9.0	15	6.7	79
FEB 22...	1415	<0.010	<0.010	<0.010	0.80	0.20	8.0	3.0	22	12	97
MAY 08...	1430	<0.010	<0.010	0.010	0.90	0.10	9.0	4.0	22	56	89
JUN 20...	1340	<0.010	<0.010	<0.010	1.2	0.10	11	7.0	4	1.5	57
AUG 21...	1520	0.020	0.010	<0.010	1.3	0.20	14	17	11	0.89	100

07059500 NORFORK LAKE NEAR NORFORK

LOCATION.--Lat 36°14'57", long 92°14'16", in SE1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi northeast of Norfork.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
12...	1019	80513	0.0	177	307	8.2	762	21.5	8.1	92	4.50
12...	1020	80513	10.0	177	307	8.2	762	21.5	8.0	91	--
12...	1021	80513	20.0	177	307	8.2	762	21.5	8.0	91	--
12...	1022	80513	30.0	177	307	8.2	762	21.5	7.7	87	--
12...	1023	80513	40.0	177	308	8.1	762	21.5	6.8	76	--
12...	1024	80513	50.0	177	315	7.8	762	21.0	3.0	33	--
12...	1025	80513	55.0	177	323	7.4	762	20.0	0.2	2	--
12...	1026	80513	60.0	177	319	7.4	762	19.5	0.1	1	--
12...	1027	80513	67.0	177	316	7.4	762	18.5	0.1	1	--
12...	1028	80513	70.0	177	317	7.4	762	18.0	0.1	1	--
12...	1029	80513	80.0	177	312	7.3	762	17.0	0.1	1	--
12...	1030	80513	90.0	177	310	7.3	762	16.0	0.1	1	--
12...	1031	80513	100	177	310	7.3	762	14.5	0.1	1	--
12...	1032	80513	110	177	312	7.3	762	13.5	0.1	1	--
12...	1033	80513	120	177	324	7.3	762	12.0	0.1	1	--
12...	1034	80513	130	177	337	7.3	762	11.0	0.1	1	--
12...	1035	80513	140	177	336	7.3	762	10.0	0.0	0	--
12...	1036	80513	150	177	333	7.3	762	10.0	0.1	1	--
12...	1037	80513	160	177	333	7.3	762	9.5	0.1	1	--
12...	1038	80513	170	177	335	7.3	762	9.5	0.1	1	--
12...	1039	80513	177	177	338	7.3	762	9.5	0.0	0	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
26...	0803	80513	0.0	156	314	7.8	746	19.0	7.9	87	4.40
26...	0804	80513	10.0	156	314	8.0	746	19.0	4.8	53	--
26...	0805	80513	20.0	156	315	8.0	746	19.0	3.0	33	--
26...	0806	80513	30.0	156	315	8.0	746	19.0	2.3	25	--
26...	0807	80513	40.0	156	315	8.0	746	19.0	2.0	22	--
26...	0808	80513	50.0	156	315	8.0	746	19.0	2.0	22	--
26...	0809	80513	60.0	156	314	8.0	746	19.0	2.2	24	--
26...	0810	80513	70.0	156	315	7.9	746	19.0	2.2	25	--
26...	0812	80513	80.0	156	323	7.4	746	17.5	0.6	7	--
26...	0813	80513	85.0	156	317	7.4	746	17.0	0.5	5	--
26...	0814	80513	90.0	156	316	7.4	746	16.0	0.4	4	--
26...	0815	80513	96.0	156	316	7.4	746	15.5	0.4	4	--
26...	0816	80513	100	156	313	7.4	746	15.0	0.3	3	--
26...	0817	80513	107	156	316	7.4	746	14.0	0.3	3	--
26...	0818	80513	110	156	322	7.3	746	13.5	0.3	3	--
26...	0819	80513	117	156	323	7.3	746	12.5	0.3	3	--
26...	0820	80513	120	156	330	7.3	746	12.0	0.3	3	--
26...	0821	80513	130	156	343	7.3	746	11.0	0.3	2	--
26...	0822	80513	140	156	343	7.3	746	10.5	0.2	2	--
26...	0823	80513	150	156	341	7.3	746	10.0	0.2	2	--
26...	0824	80513	156	156	341	7.3	746	10.0	0.3	2	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
07...	1528	80513	0.0	175	307	7.8	757	17.0	7.6	79	3.70
07...	1529	80513	10.0	175	307	7.8	757	17.0	7.5	78	--
07...	1530	80513	20.0	175	306	7.8	757	17.0	7.4	77	--
07...	1531	80513	30.0	175	307	7.8	757	17.0	7.3	76	--
07...	1532	80513	40.0	175	307	7.8	757	17.0	7.3	76	--
07...	1533	80513	50.0	175	307	7.8	757	17.0	7.3	76	--
07...	1534	80513	60.0	175	307	7.8	757	17.0	7.2	75	--
07...	1535	80513	70.0	175	307	7.8	757	17.0	7.2	75	--
07...	1536	80513	80.0	175	307	7.8	757	17.0	7.1	74	--
07...	1537	80513	90.0	175	307	7.8	757	17.0	7.0	73	--
07...	1538	80513	100	175	313	7.3	757	16.0	0.9	9	--
07...	1539	80513	110	175	315	7.2	757	14.5	0.2	2	--
07...	1540	80513	120	175	328	7.2	757	13.0	0.1	1	--
07...	1541	80513	130	156	336	7.2	746	12.0	0.1	1	--
07...	1542	80513	140	156	339	7.2	746	10.5	0.1	1	--
07...	1543	80513	150	156	337	7.2	746	10.0	0.1	1	--
07...	1544	80513	160	156	336	7.2	746	10.0	0.1	1	--
07...	1545	80513	170	156	343	7.2	746	9.5	0.1	1	--
07...	1546	80513	175	156	347	7.2	746	9.5	0.1	1	--

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
13...	1400	80513	0.0	154	318	6.9	754	11.5	8.2	77	2.70
13...	1401	80513	10.0	154	320	7.1	754	11.5	7.9	73	--
13...	1402	80513	20.0	154	319	7.3	754	11.5	7.7	72	--
13...	1403	80513	30.0	154	318	7.3	754	11.5	7.7	71	--
13...	1404	80513	40.0	154	320	7.4	754	11.5	7.7	71	--
13...	1405	80513	50.0	154	320	7.4	754	11.5	7.6	71	--
13...	1406	80513	60.0	154	321	7.4	754	11.5	7.7	71	--
13...	1407	80513	70.0	154	320	7.5	754	11.5	7.7	71	--
13...	1408	80513	80.0	154	320	7.5	754	11.5	7.7	71	--
13...	1409	80513	90.0	154	318	7.5	754	11.5	7.8	72	--
13...	1410	80513	100	154	316	7.5	754	11.5	8.0	74	--
13...	1411	80513	110	154	315	7.5	754	11.0	8.0	74	--
13...	1412	80513	120	154	315	7.5	754	11.0	8.0	74	--
13...	1413	80513	130	154	314	7.6	754	11.0	8.4	77	--
13...	1414	80513	140	154	314	7.6	754	11.0	8.0	74	--
13...	1415	80513	150	154	316	7.5	754	11.0	7.4	68	--
13...	1416	80513	154	154	317	7.5	754	11.0	6.9	63	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
24...	0855	80513	0.0	177	299	7.9	760	6.5	11.3	92	3.00
24...	0856	80513	10.0	177	313	7.9	760	6.5	11.1	91	--
24...	0857	80513	20.0	177	312	7.9	760	6.5	11.1	91	--
24...	0858	80513	30.0	177	312	7.9	760	6.5	11.1	91	--
24...	0859	80513	40.0	177	313	7.9	760	6.5	11.1	91	--
24...	0900	80513	50.0	177	313	7.9	760	6.5	11.1	91	--
24...	0901	80513	60.0	177	312	7.9	760	6.5	11.1	91	--
24...	0902	80513	70.0	177	312	7.9	760	6.5	11.1	90	--
24...	0903	80513	80.0	177	312	7.9	760	6.5	11.1	90	--
24...	0904	80513	90.0	177	312	7.9	760	6.5	11.0	90	--
24...	0905	80513	100	177	312	7.9	760	6.5	11.0	90	--
24...	0906	80513	110	177	312	7.9	760	6.5	11.0	90	--
24...	0907	80513	120	177	312	7.9	760	6.5	11.0	90	--
24...	0908	80513	130	177	312	7.9	760	6.5	11.0	90	--
24...	0909	80513	140	177	312	7.9	760	6.5	11.0	90	--
24...	0910	80513	150	177	312	7.9	760	6.5	11.0	90	--
24...	0911	80513	160	177	312	7.9	760	6.5	11.0	90	--
24...	0912	80513	170	177	312	7.9	760	6.5	11.0	90	--
24...	0913	80513	177	177	312	7.9	760	6.5	10.9	89	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
20...	0813	80513	0.0	172	329	8.5	762	7.5	12.1	101	5.40
20...	0814	80513	10.0	172	329	8.4	762	8.0	12.0	101	--
20...	0815	80513	20.0	172	329	8.4	762	8.0	11.9	100	--
20...	0816	80513	30.0	172	330	8.4	762	7.5	11.9	100	--
20...	0817	80513	40.0	172	330	8.4	762	7.5	11.9	99	--
20...	0818	80513	50.0	172	331	8.4	762	7.0	11.9	98	--
20...	0819	80513	60.0	172	330	8.4	762	7.0	11.9	98	--
20...	0820	80513	70.0	172	330	8.3	762	7.0	11.9	98	--
20...	0821	80513	80.0	172	330	8.3	762	7.0	11.9	98	--
20...	0822	80513	90.0	172	330	8.3	762	6.5	11.8	96	--
20...	0823	80513	100	172	329	8.3	762	6.5	11.8	96	--
20...	0824	80513	110	172	330	8.3	762	6.5	11.7	95	--
20...	0825	80513	120	172	330	8.3	762	6.5	11.7	95	--
20...	0826	80513	130	172	330	8.3	762	6.5	11.7	95	--
20...	0827	80513	140	172	330	8.3	762	6.0	11.6	93	--
20...	0828	80513	150	172	330	8.3	762	6.0	11.5	92	--
20...	0829	80513	160	172	330	8.3	762	6.0	11.4	92	--
20...	0830	80513	170	172	330	8.2	762	6.0	11.4	92	--
20...	0831	80513	172	172	330	8.2	762	6.0	11.2	90	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUN											
12...	1642	80513	0.0	160	323	8.4	762	28.0	8.2	106	4.50
12...	1643	80513	2.00	160	320	8.4	762	25.0	8.8	107	--
12...	1644	80513	10.0	160	319	8.4	762	24.0	8.7	104	--
12...	1646	80513	20.0	160	319	8.4	762	24.0	8.5	100	--
12...	1647	80513	25.0	160	320	8.3	762	23.0	8.1	94	--
12...	1648	80513	26.0	160	321	8.2	762	22.0	8.1	93	--
12...	1649	80513	28.0	160	321	8.1	762	20.5	7.6	85	--
12...	1650	80513	30.0	160	320	8.0	762	19.5	7.6	83	--
12...	1651	80513	32.0	160	321	8.0	762	18.0	7.4	78	--
12...	1652	80513	36.0	160	323	8.0	762	17.0	7.6	79	--
12...	1653	80513	40.0	160	323	8.0	762	16.0	7.6	77	--
12...	1654	80513	47.0	160	322	8.0	762	15.0	7.6	75	--
12...	1655	80513	50.0	160	321	8.0	762	14.5	7.4	73	--
12...	1656	80513	60.0	160	320	8.0	762	13.5	7.4	70	--
12...	1657	80513	70.0	160	323	7.9	762	12.0	7.3	68	--
12...	1658	80513	80.0	160	324	7.9	762	11.0	7.4	66	--
12...	1659	80513	90.0	160	319	7.9	762	10.0	7.3	65	--
12...	1700	80513	100	160	320	7.9	762	9.5	7.3	64	--
12...	1701	80513	110	160	319	7.9	762	9.0	7.3	63	--
12...	1702	80513	120	160	321	7.9	762	9.0	7.1	61	--
12...	1703	80513	130	160	324	7.8	762	9.0	6.8	58	--
12...	1704	80513	140	160	325	7.8	762	8.5	6.6	57	--
12...	1705	80513	150	160	324	7.8	762	8.5	6.2	53	--
12...	1706	80513	160	160	325	7.7	762	8.5	6.1	52	--

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JUL											
11...	0757	80513	0.0	168	311	8.0	756	28.0	8.5	109	5.50
11...	0758	80513	10.0	168	311	8.0	756	28.0	8.5	110	--
11...	0759	80513	20.0	168	310	8.1	756	28.0	8.5	110	--
11...	0800	80513	26.0	168	315	8.1	756	26.5	9.7	122	--
11...	0801	80513	27.0	168	319	8.0	756	25.0	10.2	125	--
11...	0802	80513	28.0	168	320	8.0	756	24.0	9.7	117	--
11...	0803	80513	30.0	168	321	7.9	756	23.0	8.9	104	--
11...	0804	80513	32.0	168	320	7.7	756	21.5	7.9	91	--
11...	0805	80513	35.0	168	321	7.6	756	20.5	7.3	81	--
11...	0806	80513	37.0	168	323	7.5	756	19.0	6.4	70	--
11...	0807	80513	40.0	168	328	7.5	756	18.0	6.1	65	--
11...	0808	80513	43.0	168	327	7.5	756	16.5	6.2	65	--
11...	0809	80513	50.0	168	331	7.5	756	15.0	6.0	60	--
11...	0810	80513	60.0	168	327	7.5	756	14.0	6.1	59	--
11...	0811	80513	65.0	168	327	7.5	756	13.0	6.1	59	--
11...	0812	80513	70.0	168	330	7.5	756	12.5	6.3	60	--
11...	0813	80513	80.0	168	333	7.5	756	11.5	6.4	59	--
11...	0814	80513	90.0	168	338	7.5	756	10.5	6.3	57	--
11...	0815	80513	100	168	335	7.5	756	10.0	6.4	57	--
11...	0816	80513	110	168	340	7.5	756	9.5	6.4	56	--
11...	0817	80513	120	168	342	7.4	756	9.0	5.9	51	--
11...	0818	80513	130	168	342	7.4	756	9.0	5.9	51	--
11...	0819	80513	140	168	339	7.4	756	9.0	5.7	50	--
11...	0820	80513	150	168	336	7.4	756	8.5	5.4	47	--
11...	0821	80513	160	168	335	7.3	756	8.5	4.8	41	--
11...	0822	80513	168	168	335	7.3	756	8.5	3.8	33	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
21...	1516	80513	0.0	160	296	8.3	755	28.5	8.0	104	4.90
21...	1518	80513	10.0	160	296	8.4	755	28.5	8.1	105	--
21...	1519	80513	20.0	160	295	8.4	755	28.0	8.1	105	--
21...	1520	80513	26.0	160	307	8.2	755	27.0	8.1	103	--
21...	1522	80513	28.0	160	318	8.0	755	26.0	7.8	98	--
21...	1523	80513	30.0	160	318	8.0	755	25.5	7.3	89	--
21...	1524	80513	32.0	160	320	7.8	755	24.5	6.4	77	--
21...	1525	80513	34.0	160	318	7.7	755	23.5	5.1	61	--
21...	1526	80513	36.0	160	320	7.6	755	22.0	4.4	51	--
21...	1527	80513	38.0	160	319	7.6	755	21.5	3.9	44	--
21...	1528	80513	40.0	160	319	7.5	755	21.0	3.3	38	--
21...	1529	80513	42.0	160	318	7.5	755	20.0	3.0	33	--
21...	1530	80513	45.0	168	319	7.4	755	19.0	2.0	21	--
21...	1531	80513	48.0	160	321	7.4	755	18.0	1.6	17	--
21...	1532	80513	50.0	160	320	7.5	755	17.5	1.5	16	--
21...	1533	80513	55.0	160	323	7.5	755	16.0	1.7	18	--
21...	1534	80513	60.0	160	324	7.6	755	15.0	2.6	26	--
21...	1535	80513	65.0	160	325	7.6	755	14.5	3.1	31	--
21...	1536	80513	70.0	160	324	7.6	755	13.5	3.5	34	--
21...	1537	80513	80.0	160	326	7.7	755	12.5	3.8	36	--
21...	1538	80513	90.0	160	331	7.7	755	11.5	3.7	34	--
21...	1539	80513	100	160	334	7.6	755	10.5	3.4	31	--
21...	1540	80513	110	160	335	7.6	755	10.0	3.4	30	--
21...	1541	80513	120	160	337	7.6	755	10.0	2.7	24	--
21...	1542	80513	130	160	336	7.6	755	9.5	2.8	25	--
21...	1543	80513	140	160	337	7.5	755	9.5	1.5	13	--
21...	1544	80513	150	160	336	7.5	755	9.0	0.8	7	--
21...	1546	80513	160	160	339	7.5	755	9.0	0.2	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
19...	0928	80513	0.0	177	292	8.4	755	24.5	8.4	102	3.90
19...	0929	80513	10.0	177	292	8.4	755	24.5	8.4	102	--
19...	0930	80513	20.0	177	292	8.4	755	25.0	8.3	102	--
19...	0931	80513	30.0	177	292	8.3	755	25.0	8.3	102	--
19...	0933	80513	36.0	177	296	8.3	755	24.5	7.9	96	--
19...	0934	80513	37.0	177	307	7.8	755	23.5	3.9	46	--
19...	0935	80513	38.0	177	315	7.5	755	22.5	2.2	25	--
19...	0936	80513	40.0	177	320	7.4	755	21.5	1	11	--
19...	0937	80513	42.0	177	319	7.3	755	20.5	0.2	2	--
19...	0938	80513	45.0	177	322	7.3	755	19.5	0.1	1	--
19...	0939	80513	48.0	177	320	7.3	755	18.5	0.1	1	--
19...	0940	80513	50.0	177	322	7.3	755	18.0	0.2	2	--
19...	0941	80513	55.0	177	323	7.4	755	16.0	0.5	5	--
19...	0942	80513	60.0	177	322	7.4	755	15.0	1.3	1	--
19...	0943	80513	70.0	177	324	7.5	755	14.0	2.4	24	--
19...	0944	80513	80.0	177	324	7.5	755	13.0	2.8	27	--
19...	0945	80513	90.0	177	328	7.5	755	12.0	2.9	27	--
19...	0946	80513	100	177	331	7.5	755	11.0	2.5	23	--
19...	0947	80513	110	177	338	7.5	755	10.5	2.2	20	--
19...	0948	80513	120	177	339	7.4	755	10.0	1.3	12	--
19...	0949	80513	130	177	340	7.4	755	10.0	0.7	6	--
19...	0950	80513	140	177	336	7.4	755	9.5	0.3	3	--
19...	0951	80513	150	177	336	7.4	755	9.5	0.1	1	--
19...	0952	80513	160	177	337	7.4	755	9.0	0.1	1	--
19...	0953	80513	170	177	339	7.4	755	9.0	0.1	1	--
19...	0954	80513	177	177	346	7.4	755	9.0	0.1	1	--

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK

LOCATION.--Lat 36°14'18", long 92°14'18", in SE1/4SW1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Norfork Dam, 3.9 mi northeast of Norfork, and at mile 4.8.

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

PERIOD OF RECORD.--Water years 1946-71, 1974-89, November 1990 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Water years 1967-71, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
12...	1059	80513	80513	327	7.8	760	14.0	9.5	92
26...	0842	80513	80513	326	7.7	750	14.0	8.2	81
NOV									
07...	1603	80513	80513	317	7.6	760	15.5	7.7	77
DEC									
13...	1522	80513	80513	318	7.7	754	11.5	9.5	88
JAN									
24...	0930	80513	80513	309	7.8	765	6.0	12.4	99
MAR									
20...	0849	80513	80513	331	8.3	763	7.0	12.3	100
JUN									
12...	1726	80513	80513	324	8.0	762	11.0	7.1	64
JUL									
11...	0845	80513	80513	355	7.6	757	11.0	10.6	97
AUG									
21...	1612	80513	80513	332	7.8	759	12.0	5.6	53
SEP									
19...	0913	80513	80513	341	7.8	760	12.5	10.5	99

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.0	---	---	5.8	3.8	5.1	7.8	5.2	6.4	8.3	8.0	8.1
2	5.2	4.7	4.8	6.7	4.4	5.6	7.9	5.3	6.2	8.4	8.2	8.3
3	5.3	3.6	4.4	7.0	4.7	6.2	8.6	5.0	6.0	8.7	8.2	8.4
4	3.8	3.2	3.5	6.8	4.7	6.1	7.7	6.1	7.0	9.3	8.2	8.5
5	3.8	3.2	3.6	6.0	3.6	4.9	8.4	6.4	7.2	9.3	8.3	8.7
6	4.1	3.5	3.7	5.9	3.9	5.1	7.7	6.2	7.1	9.0	8.4	8.6
7	4.1	3.9	4.0	8.0	3.9	6.1	8.0	6.1	6.9	9.0	8.4	8.6
8	4.0	3.8	4.0	8.3	6.0	7.3	8.2	6.5	7.4	9.4	8.4	8.7
9	4.1	3.8	4.0	7.7	4.0	6.0	7.3	6.8	7.2	9.6	8.4	8.8
10	4.0	3.9	4.0	4.1	2.8	3.2	7.6	7.2	7.4	9.3	8.3	8.7
11	4.1	3.8	4.0	4.0	3.4	3.8	8.4	7.1	7.7	---	---	---
12	---	---	---	3.9	3.1	3.6	8.4	7.1	7.7	---	---	---
13	4.6	3.8	3.9	4.1	3.3	3.8	8.6	7.1	7.9	---	---	---
14	4.6	3.8	4.2	4.4	3.5	3.8	9.3	7.9	8.5	---	---	---
15	4.5	4.2	4.4	4.4	2.7	3.7	9.1	8.0	8.6	---	---	---
16	4.3	4.1	4.2	4.4	3.6	4.0	9.8	8.4	9.0	---	---	---
17	4.5	4.2	4.4	4.6	3.0	3.6	9.4	8.6	9.1	---	---	---
18	---	---	---	3.5	3.2	3.4	9.8	8.7	9.4	---	---	---
19	4.7	3.6	3.9	4.9	3.3	4.2	10.6	8.8	9.4	---	---	---
20	4.5	3.8	4.2	5.2	3.8	4.6	---	---	---	---	---	---
21	4.4	4.1	4.2	5.3	4.6	4.9	10.2	8.9	9.3	---	---	---
22	4.4	3.2	3.7	6.3	4.7	5.0	10.0	9.0	9.2	---	---	---
23	3.7	3.0	3.3	6.3	5.0	5.5	9.3	9.0	9.2	---	---	---
24	4.2	3.4	3.8	5.8	4.5	5.4	9.6	9.2	9.4	---	---	---
25	5.2	3.9	4.5	4.5	4.1	4.2	9.6	9.1	9.3	---	---	---
26	5.4	4.8	5.0	4.7	4.1	4.4	9.7	9.3	9.5	---	---	---
27	5.6	4.7	5.0	6.4	4.4	5.6	10.0	9.4	9.7	---	---	---
28	6.4	5.6	5.9	6.8	5.9	6.4	10.3	9.8	10.0	---	---	---
29	6.4	6.1	6.3	7.7	5.9	6.7	10.5	9.8	10.0	---	---	---
30	6.3	5.6	5.9	7.7	6.2	7.1	10.9	9.9	10.1	---	---	---
31	6.2	5.3	5.8	---	---	---	10.3	10.0	10.1	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	8.0	8.1	7.5	6.2	6.7	6.6	4.6	5.3	6.1	3.2	4.2
2	8.2	8.0	8.1	7.9	6.1	6.7	7.5	4.7	5.5	7.0	3.3	4.5
3	8.2	7.1	7.9	8.0	6.2	7.0	6.2	4.7	5.4	6.9	3.4	4.4
4	8.5	7.1	7.6	8.0	6.1	6.8	6.8	4.6	5.4	5.6	3.3	4.1
5	8.0	7.1	7.9	7.9	6.1	6.7	7.0	4.5	5.4	5.7	3.1	4.1
6	8.0	7.8	7.9	8.2	6.1	6.8	8.0	4.6	5.4	5.8	3.4	4.2
7	8.4	7.8	7.9	7.5	6.0	6.7	---	---	---	6.1	3.2	4.3
8	8.8	7.4	7.8	9.0	5.8	6.8	7.6	4.9	5.8	6.5	2.9	4.3
9	8.5	7.3	7.7	8.6	5.8	6.9	7.3	4.9	5.7	6.2	2.9	4.3
10	8.6	7.2	7.7	8.0	5.7	6.7	7.4	4.5	5.5	6.9	3.6	4.6
11	8.4	7.3	7.8	---	---	---	6.3	4.5	5.1	---	---	---
12	9.0	7.3	7.8	9.8	5.8	6.8	7.3	4.6	6.0	---	---	---
13	10.1	7.3	8.2	8.5	5.7	6.7	7.2	4.6	5.7	---	---	---
14	8.4	7.2	7.6	7.8	5.6	6.4	6.9	4.3	5.1	5.7	3.1	4.2
15	9.6	7.0	7.8	7.8	5.7	6.5	6.4	4.1	4.8	5.9	3.0	3.9
16	11.1	6.9	8.5	7.2	5.6	5.9	6.7	4.4	5.0	8.8	2.7	4.0
17	9.0	6.9	7.8	6.8	5.4	5.8	7.5	4.2	5.1	5.9	2.8	3.9
18	9.3	6.7	7.8	7.8	5.5	6.2	7.1	4.2	4.9	5.4	2.6	3.6
19	8.5	6.8	7.4	9.6	5.5	6.2	7.0	4.1	4.9	6.2	2.6	4.0
20	8.7	6.7	7.3	10.0	5.5	6.8	6.9	4.1	4.9	5.9	2.7	4.1
21	9.4	6.8	7.5	8.2	5.3	6.1	5.6	4.1	4.7	6.3	2.8	4.0
22	10.2	6.8	8.5	8.7	5.4	6.1	6.5	4.0	4.9	6.1	2.6	4.3
23	10.5	7.1	9.1	6.8	5.1	5.8	5.9	4.0	4.8	6.1	2.4	3.6
24	8.9	6.6	7.5	7.7	4.9	5.4	6.1	3.9	4.8	6.6	2.3	3.8
25	9.4	7.2	8.0	6.8	4.9	5.6	6.5	3.9	4.6	6.2	2.3	3.6
26	8.8	6.5	7.5	6.8	4.9	5.5	6.2	3.8	4.5	6.4	2.3	3.3
27	9.5	6.4	7.5	6.6	4.8	5.5	7.0	3.8	4.5	6.3	2.6	3.9
28	9.1	6.6	7.6	7.3	5.0	5.5	6.6	3.4	4.7	6.1	2.9	4.1
29	9.0	6.4	7.1	7.7	4.7	5.4	6.5	3.7	4.7	6.8	2.4	3.9
30	8.9	6.3	7.1	8.1	4.9	5.4	7.1	3.4	4.6	7.4	2.2	3.9
31	---	---	---	7.1	4.7	5.4	7.3	3.6	4.6	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.0	---	---	15.4	15.2	15.3	13.1	12.6	12.8	8.9	8.8	8.9
2	15.9	15.2	15.4	15.9	15.3	15.6	13.0	12.7	12.8	8.8	8.6	8.7
3	15.9	15.3	15.6	15.9	15.4	15.7	13.0	12.7	12.8	8.6	8.4	8.5
4	15.6	14.7	15.2	15.4	15.1	15.3	12.8	12.6	12.7	8.6	8.3	8.4
5	14.9	14.7	14.8	15.1	14.8	15.0	12.7	12.5	12.6	8.3	8.1	8.2
6	15.0	14.7	14.9	15.1	14.8	15.0	12.7	12.4	12.5	8.2	7.8	8.0
7	15.1	14.6	14.8	15.6	15.0	15.3	12.4	12.2	12.3	7.9	7.5	7.7
8	14.6	14.3	14.5	15.6	15.0	15.3	12.2	11.9	12.1	7.8	7.4	7.6
9	14.7	14.3	14.5	15.1	14.5	14.8	11.9	11.4	11.7	7.8	7.2	7.4
10	14.9	14.7	14.8	15.3	14.4	14.7	11.6	11.2	11.4	7.7	7.3	7.4
11	14.8	14.7	14.8	15.4	14.9	15.2	11.2	11.0	11.2	---	---	---
12	14.7	14.4	14.6	15.0	14.5	14.8	11.2	11.1	11.1	---	---	---
13	14.8	14.3	14.4	15.0	14.5	14.8	11.1	11.0	11.0	---	---	---
14	15.1	14.2	14.7	14.9	14.5	14.6	11.0	10.9	10.9	---	---	---
15	15.1	14.3	14.7	14.6	13.8	14.4	11.0	10.7	10.9	---	---	---
16	14.6	14.3	14.4	14.6	14.2	14.4	10.8	10.6	10.7	---	---	---
17	14.7	14.5	14.6	14.5	13.7	14.1	10.7	10.6	10.7	---	---	---
18	14.9	14.7	14.8	14.4	13.6	13.9	10.7	10.5	10.6	---	---	---
19	15.3	14.4	14.8	14.3	13.5	13.9	10.8	10.5	10.6	---	---	---
20	15.5	14.5	15.1	14.2	13.5	14.0	10.6	10.2	10.5	---	---	---
21	15.5	14.9	15.2	14.1	13.9	14.0	10.3	10.0	10.2	---	---	---
22	14.9	14.5	14.7	14.0	13.7	13.8	10.1	9.9	10.0	---	---	---
23	15.1	14.2	14.7	14.0	13.7	13.9	9.9	9.8	9.9	---	---	---
24	15.6	14.8	15.3	13.7	13.1	13.6	10.0	9.5	9.7	---	---	---
25	15.5	15.2	15.3	13.5	12.9	13.1	9.6	9.5	9.5	---	---	---
26	15.2	14.9	15.1	13.3	12.8	12.9	9.7	9.3	9.5	---	---	---
27	15.3	14.8	15.1	13.4	12.8	13.1	9.4	9.2	9.3	---	---	---
28	15.6	15.3	15.5	13.4	13.1	13.3	9.5	9.0	9.2	---	---	---
29	15.7	15.2	15.3	13.2	12.9	13.0	9.3	9.0	9.1	---	---	---
30	15.2	15.0	15.1	13.0	12.8	12.9	9.0	8.9	8.9	---	---	---
31	15.3	15.1	15.2	---	---	---	9.0	8.9	8.9	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.1	8.8	9.0	10.1	9.0	9.6	10.5	9.3	9.9	11.5	9.9	10.4
2	9.4	9.0	9.1	10.5	9.1	9.7	10.9	10.2	10.7	11.4	10.0	10.4
3	9.4	9.0	9.2	10.2	9.2	9.8	10.9	9.7	10.1	11.1	10.0	10.3
4	9.3	9.1	9.2	10.0	9.1	9.3	10.9	9.5	10.1	11.4	10.0	10.5
5	9.3	9.1	9.2	10.3	9.1	9.6	11.1	9.6	10.3	11.3	10.0	10.5
6	9.4	9.0	9.2	10.4	9.1	9.7	11.0	9.8	10.4	11.3	10.0	10.5
7	9.8	9.1	9.5	10.5	9.2	9.9	11.2	9.7	10.4	11.5	10.1	10.6
8	9.9	8.7	9.5	10.7	9.2	9.8	11.0	9.8	10.3	11.3	10.0	10.4
9	9.7	8.7	9.3	10.1	9.1	9.5	11.0	9.9	10.4	11.5	10.0	10.6
10	9.5	8.6	9.2	10.1	9.0	9.5	11.1	9.8	10.2	11.3	10.1	10.6
11	9.7	8.7	9.3	10.2	9.2	9.6	11.1	9.9	10.5	---	---	---
12	9.8	8.8	9.4	10.4	9.2	9.6	11.1	9.9	10.6	---	---	---
13	9.9	8.8	9.4	10.6	9.3	9.9	11.6	9.9	10.5	11.5	10.0	10.6
14	9.9	8.8	9.4	10.3	9.2	9.6	11.2	9.8	10.4	11.3	10.0	10.7
15	9.9	8.7	9.2	10.5	9.2	9.7	11.2	9.9	10.6	11.5	10.2	10.7
16	9.9	8.7	9.1	10.3	9.2	9.8	11.2	9.9	10.5	11.6	10.3	10.6
17	9.8	8.8	9.2	10.6	9.2	9.9	11.3	10.0	10.4	11.5	10.1	10.7
18	9.9	8.7	9.2	10.7	9.3	9.9	11.3	10.1	10.4	11.4	10.0	10.4
19	9.8	8.9	9.3	10.9	9.4	9.9	11.7	10.0	10.7	11.5	10.1	10.5
20	9.8	8.8	9.3	10.5	9.3	9.9	11.4	10.0	10.6	11.6	10.2	10.7
21	9.9	8.8	9.4	10.5	9.3	9.7	11.3	10.0	10.7	11.7	10.4	10.8
22	10.2	9.1	9.6	10.7	9.3	9.9	11.2	9.9	10.4	11.5	10.2	10.9
23	10.1	9.0	9.5	10.5	9.4	9.8	11.2	9.8	10.3	11.5	10.0	10.6
24	10.3	9.0	9.6	10.5	9.3	9.7	11.1	9.8	10.3	11.7	10.3	10.6
25	10.0	9.1	9.7	10.9	9.4	10.0	11.2	9.9	10.4	11.5	10.2	10.6
26	9.9	9.0	9.3	10.8	9.4	9.9	11.3	9.9	10.4	11.4	10.2	10.6
27	10.4	9.0	9.5	10.4	9.4	9.7	11.2	9.9	10.5	11.8	10.3	11.1
28	10.4	9.0	9.7	10.6	9.4	9.8	11.2	9.8	10.4	11.8	10.3	11.1
29	10.0	9.0	9.4	11.0	9.4	9.9	11.2	9.9	10.4	11.4	10.0	10.9
30	10.1	8.9	9.5	10.8	9.5	10.0	11.2	9.9	10.2	11.7	10.2	11.0
31	---	---	---	10.7	9.4	9.9	11.1	10.0	10.3	---	---	---

07060500 WHITE RIVER AT CALICO ROCK

LOCATION.--Lat 36°06'58", long 92°08'35", in SE1/4NE1/4 sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

DRAINAGE AREA.--9,978 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft above sea level. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft higher.

REMARKS.--Water-discharge records poor due to lagging intake problems throughout the year. Satellite telemeter at station. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6950	4970	2380	1340	16300	10400	9160	7980	15000	5810	10200	2060
2	2850	5740	1090	1580	10500	4840	8200	7530	14400	9320	9720	4190
3	7240	8460	622	2490	7700	2610	7050	8580	15600	5510	4810	2990
4	8420	9750	2050	2450	7340	3560	5780	5710	15100	3580	2310	9980
5	6000	5870	3280	2920	4040	8150	4660	4960	15600	1990	4450	13200
6	7880	5380	4650	2700	7480	17100	3490	5460	16400	3050	8490	10700
7	9440	4850	5450	2650	5530	17500	3590	6830	15900	4020	11600	12100
8	2560	3960	7120	3340	3050	21[illegible]00	3120	5760	11500	4550	13100	3200
9	1900	6590	3390	3950	4120	10100	4220	8730	11900	3090	5840	2300
10	6470	4560	2630	2700	6080	3970	2900	6940	11900	2230	5160	8460
11	3960	3130	1690	2280	2540	2020	3820	6700	12800	5050	2290	8890
12	7600	2990	4160	2470	2810	3980	3330	5110	13700	2910	2450	8110
13	5930	3440	3560	2850	7780	2900	3210	3220	13200	5960	5370	2650
14	4630	5390	4070	2650	5450	2330	3930	5310	11900	5420	8490	2630
15	3260	7710	3620	2620	2590	2450	5590	6960	8600	2920	12100	2210
16	2290	9130	2760	2500	11800	2460	5370	6800	3420	7080	10500	2880
17	3440	4820	4120	2350	11200	1910	4060	7130	3050	6640	8770	2810
18	3270	2770	6020	2710	3730	2590	3840	6620	4660	9070	4950	3770
19	2820	1560	9010	8410	3470	6270	3220	6570	8550	11400	5890	2510
20	3810	2250	9560	12200	3980	8560	3510	7070	6910	8590	12300	3810
21	5300	3890	7580	4800	3920	6660	3280	7400	7830	3410	13600	2340
22	3450	3570	e8200	3590	3560	4490	5040	5780	9710	3110	13100	4020
23	1950	4010	e5200	4490	2920	4220	24500	6250	5050	6780	11300	3500
24	5320	3230	e2500	7290	2820	2660	32600	7360	4080	9770	8290	2440
25	3660	1680	2040	9600	1480	2980	19300	7630	5610	9200	4180	2820
26	3570	731	1660	8100	2460	9540	14800	9540	4400	6420	4460	4990
27	2710	782	1650	6610	2080	10000	9390	e11000	4860	3540	6570	41600
28	2070	6750	1710	4660	12600	7550	8630	e12000	11000	4910	4860	39500
29	1860	10000	1660	3590	17100	8170	9200	12300	8590	5430	6190	11500
30	2040	3950	1910	7910	---	8630	10200	14300	10100	7770	4890	9090
31	4810	---	1610	13500	---	8220	---	15300	---	9000	2660	---
TOTAL	137460	141913	116952	141300	176430	207920	228990	238830	301320	177530	228890	231250
MEAN	4434	4730	3773	4558	6084	6707	7633	7704	10040	5727	7384	7708
MAX	9440	10000	9560	13500	17100	21100	32600	15300	16400	11400	13600	41600
MIN	1860	731	622	1340	1480	1910	2900	3220	3050	1990	2290	2060
AC-FT	272700	281500	232000	280300	349900	412400	454200	473700	597700	352100	454000	458700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	5444	7349	9974	10960	12490	14220	16270	14440	10220	9110	7486	5803
MAX	19280	26560	29990	34700	39600	62300	86320	64400	44330	29410	25390	25180
(WY)	1942	1947	1943	1950	1949	1945	1945	1943	1945	1957	1957	1957
MIN	584	892	1359	1680	2204	3749	1610	3525	3225	1545	1210	678
(WY)	1955	1982	1982	1955	1964	1981	1981	1982	1952	1944	1943	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	4323555		2328785			
ANNUAL MEAN	11850		6363		10300	
HIGHEST ANNUAL MEAN					22890	1945
LOWEST ANNUAL MEAN					3482	1981
HIGHEST DAILY MEAN	45700	Jan 14	41600	Sep 27	292000	Apr 16 1945
LOWEST DAILY MEAN	622	Dec 3	622	Dec 3	310	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	1750	Dec 25	1640	Dec 27	412	Sep 23 1954
INSTANTANEOUS PEAK FLOW			59000	Sep 27	310000	Apr 16 1945
INSTANTANEOUS PEAK STAGE			18.34	Sep 27	[a]49.84	Apr 16 1945
INSTANTANEOUS LOW FLOW			528	Dec 3,4	[b]305	Sep 27 1954
ANNUAL RUNOFF (AC-FT)	8576000		4619000		7463000	
10 PERCENT EXCEEDS	19800		11900		21900	
50 PERCENT EXCEEDS	11600		5010		6860	
90 PERCENT EXCEEDS	3080		2320		1990	

[a]At present datum
[b]Observed
[e]Estimated

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Water years 1967-1981, 1991 to current year.

DISSOLVED OXYGEN: May 1991 to December 1994.

REMARKS.--Flow regulated by upstream reservoirs.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 31.	1135	80513	81213	8960	287	8.2	760	15.0	8.6	85	53
NOV 29.	1100	80513	81213	14800	276	7.0	740	12.0	10.7	102	39

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 31.	1135	67	140	38	11	2.8	4	0.1	1.6	130	6.4
NOV 29.	1100	34	130	36	9.4	2.8	4	0.1	1.6	130	2.9

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
OCT 31.	1135	5.1	<0.10	5.2	146	149	0.20	3530	0.170	--	--
NOV 29.	1100	16	<0.10	4.1	142	151	0.19	5670	0.090	0.090	0.40

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)
OCT 31.	1135	<0.010	--	0.170	0.170	0.010	0.01	<0.20	<0.010	--	20
NOV 29.	1100	0.010	0.03	0.100	0.100	0.030	0.04	<0.20	0.010	0.03	20

DATE	TIME	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT 31.	1135	28	<0.50	<1.0	<5.0	<3.0	<10	11	<10	<4	8.9
NOV 29.	1100	25	<0.50	<1.0	<5.0	<3.0	<10	<3.0	<10	<4	6.6

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 31.	1135	<10	<10	<1.0	30	<6	<4.0	12	290	82
NOV										

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
FEB								
27...	1100	80513	81213	--	--	--	--	1500
27...	1116	80513	80513	455	0.50	1.00	562	--
27...	1118	80513	80513	455	1.00	2.00	517	--
27...	1119	80513	80513	455	1.50	3.00	472	--
27...	1120	80513	80513	455	1.00	2.00	427	--
27...	1121	80513	80513	455	1.00	2.00	382	--
27...	1122	80513	80513	455	3.00	6.00	337	--
27...	1123	80513	80513	455	2.00	4.00	292	--
27...	1124	80513	80513	455	3.00	6.00	247	--
27...	1125	80513	80513	455	2.50	5.00	202	--
27...	1126	80513	80513	455	2.00	4.00	157	--

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
FEB							
27...	1100	312	7.8	11.0	9.3	86	751
27...	1116	314	7.7	13.5	11.3	110	751
27...	1118	310	7.8	13.0	10.8	104	751
27...	1119	309	7.8	12.0	10.6	100	751
27...	1120	311	7.8	11.5	10.6	98	751
27...	1121	312	7.8	11.0	10.5	98	751
27...	1122	312	7.8	11.0	10.6	97	751
27...	1123	311	7.8	11.0	10.6	98	751
27...	1124	313	7.8	11.0	10.7	98	751
27...	1125	313	7.8	11.0	10.7	99	751

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
FEB										
27...	1100	1500	K5	K1	170	37	19	1.9	2	0.1

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
FEB										
27...	1100	1.3	155	5.5	3.6	<0.10	2.2	186	164	0.25

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
FEB										
27...	1100	753	0.050	0.050	0.22	0.010	0.03	0.060	0.060	0.030

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
FEB									
27...	1100	0.04	<0.20	0.010	0.03	10	27	<0.50	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
FEB									
27...	1100	<5.0	<3.0	<10	7.0	<10	<4	5.7	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB									
27...	1100	<10	<1.0	30	<6	<4.0	20	81	81

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
APR											
22...	1120	80513	81213	5840	285	8.0	757	15.5	9.9	100	>600
JUN											
18...	1020	80513	81213	1620	308	7.4	749	16.0	8.6	89	100
AUG											
06...	1210	80513	81213	11500	275	8.1	757	21.0	9.8	110	420

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR											
22...	1120	1200	140	34	14	2.1	3	0.1	1.2	137	5.8
JUN											
18...	1020	180	160	37	17	1.9	2	0.1	1.4	130	5.4
AUG											
06...	1210	100	130	36	10	3.0	5	0.1	1.6	112	6.8

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
APR 22...	1120	3.4	<0.10	3.2	164	146	0.22	2590	0.040	0.040	0.18
JUN 18...	1020	3.8	<0.10	3.3	178	148	0.24	779	0.140	--	--
AUG 06...	1210	5.2	<0.10	2.4	144	133	0.20	4470	0.240	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
APR 22...	1120	0.010	0.03	0.050	0.050	0.020	0.03	0.22	0.24	0.29	<0.010
JUN 18...	1020	<0.010	--	0.140	0.140	0.010	0.01	--	<0.20	--	<0.010
AUG 06...	1210	<0.010	--	0.240	0.240	<0.010	--	--	<0.20	--	<0.010

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
APR 22...	1120	<20	23	<0.50	<1.0	<5.0	<3.0	<10	7.0	<10	<4
JUN 18...	1020	18	29	<0.50	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1
AUG 06...	1210	16	27	<0.50	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1

DATE	TIME	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR 22...	1120	5.3	<10	<10	<1.0	30	<6	<4.0	34	536	90
JUN 18...	1020	8.3	<2.0	<1.0	<1.0	30	<1	<1.0	23	101	82
AUG 06...	1210	3.8	<2.0	<1.0	<1.0	30	<1	<1.0	38	1180	89

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX
(Hydrologic benchmark station)

LOCATION.--Lat 35°59'30", long 92°12'50", in SW1/4NW1/4 sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, on right bank 30 ft upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft above sea level.

REMARKS.--Water-discharge records good, except for estimated daily discharges Nov. 1-8, which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	e21	13	11	17	12	100	67	6.6	4.4	5.0	4.0
2	8.4	e23	16	30	16	11	80	48	7.9	4.4	4.9	3.9
3	38	e25	17	40	13	11	65	39	8.2	4.1	5.3	3.4
4	25	e27	17	33	12	11	53	38	5.0	4.1	4.6	3.4
5	13	e29	17	37	12	93	40	31	3.8	4.1	4.0	3.3
6	8.7	e31	18	33	12	282	35	39	11	4.2	3.4	3.8
7	6.4	e33	18	26	12	100	31	46	32	4.1	2.7	3.4
8	5.1	e35	22	21	14	58	29	37	18	4.0	2.6	4.0
9	4.4	27	26	17	14	40	26	27	12	4.0	2.7	5.9
10	4.4	24	25	17	13	32	23	21	9.6	4.1	2.5	4.3
11	4.4	29	24	28	11	27	22	20	8.9	3.7	2.5	3.7
12	4.4	30	24	57	10	25	34	18	8.6	3.7	2.3	2.8
13	4.1	24	25	54	9.9	24	294	16	8.6	3.7	2.3	2.8
14	4.2	20	25	47	10	22	162	15	8.1	5.0	2.3	2.5
15	5.0	17	26	37	9.8	22	126	14	7.7	6.8	2.3	16
16	5.4	16	27	27	9.0	23	89	12	6.7	5.9	2.2	35
17	6.0	15	194	24	9.0	20	68	11	6.4	4.8	2.3	19
18	6.1	14	235	102	8.6	30	55	9.5	6.6	4.1	5.0	11
19	7.4	14	345	125	9.6	98	47	8.5	6.8	3.8	5.3	7.6
20	10	13	112	80	10	81	46	7.2	6.4	3.4	4.0	6.6
21	9.5	13	65	55	10	58	47	7.2	6.4	3.4	3.3	7.2
22	8.1	14	38	41	9.2	44	367	6.4	6.2	3.4	3.0	6.4
23	9.3	15	26	45	9.1	37	680	5.3	5.5	3.7	2.8	6.6
24	10	15	20	86	9.2	38	241	4.8	5.4	3.4	3.7	13
25	11	15	16	78	8.6	82	151	4.1	4.8	3.6	7.3	12
26	12	15	14	59	8.7	66	93	4.2	4.8	3.5	5.4	650
27	18	15	13	43	9.0	53	63	e9.0	4.8	3.0	4.8	245
28	15	15	12	32	11	72	53	6.3	4.8	3.0	4.2	89
29	12	14	10	29	12	111	107	4.6	4.8	4.3	3.8	43
30	12	13	10	24	---	98	92	3.9	4.4	7.6	3.1	25
31	13	---	11	20	---	133	---	3.4	---	6.7	3.2	---
TOTAL	303.4	611	1461	1358	318.7	1814	3319	583.4	240.8	132.0	112.8	1243.6
MEAN	9.79	20.4	47.1	43.8	11.0	58.5	111	18.8	8.03	4.26	3.64	41.5
MAX	38	35	345	125	17	282	680	67	32	7.6	7.3	650
MIN	3.1	13	10	11	8.6	11	22	3.4	3.8	3.0	2.2	2.5
AC-FT	602	1210	2900	2690	632	3600	6580	1160	478	262	224	2470
CFSM	.17	.35	.81	.75	.19	1.01	1.90	.32	.14	.07	.06	.71
IN.	.19	.39	.94	.87	.20	1.16	2.13	.37	.15	.08	.07	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

MEAN	17.4	46.4	75.9	44.7	61.5	93.2	108	71.0	23.6	10.4	6.41	12.3
MAX	99.3	231	501	171	295	296	493	230	102	32.8	16.6	56.7
(WY)	1974	1974	1983	1993	1989	1975	1973	1990	1974	1992	1981	1968
MIN	3.84	4.10	3.57	4.43	9.16	9.15	12.9	8.12	6.45	3.89	3.06	2.45
(WY)	1967	1990	1990	1981	1972	1972	1971	1977	1966	1980	1987	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1966 - 1996	
ANNUAL TOTAL	16223.4		11497.7			
ANNUAL MEAN	44.4		31.4		46.9	
HIGHEST ANNUAL MEAN					102	1973
LOWEST ANNUAL MEAN					15.8	1967
HIGHEST DAILY MEAN	2420	Mar 7	680	Apr 23	11500	Dec 3 1982
LOWEST DAILY MEAN	1.3	Sep 11	2.2	Aug 16	1.3	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Sep 7	2.3	Aug 11	1.6	Sep 7 1995
INSTANTANEOUS PEAK FLOW			1930	Sep 26	[a]25200	Dec 3 1982
INSTANTANEOUS PEAK STAGE			6.36	Sep 26	20.60	Dec 3 1982
INSTANTANEOUS LOW FLOW			2.0	Aug 16,17	1.2	Sep 11 1995
ANNUAL RUNOFF (AC-FT)	32180		22810		33980	
ANNUAL RUNOFF (CFSM)	.77		.54		.81	
ANNUAL RUNOFF (INCHES)	10.39		7.36		10.97	
10 PERCENT EXCEEDS	84		67		88	
50 PERCENT EXCEEDS	15		12		13	
90 PERCENT EXCEEDS	3.4		3.7		4.1	

[a]From rating curve extended above 3,700 ft^3/s on basis of step-backwater computations
[e]Estimated

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	PH SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)
OCT 11...	1045	80513	80020	4.4	1.21	288	8.3	762	16.0	--
NOV 01...	1110	80513	80020	22	1.50	273	7.9	754	14.5	19.0
JAN 25...	1500	80513	80020	78	1.95	213	7.6	755	6.5	13.5

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT 11...	1045	0.10	9.6	97	33	29	48	140	0	46
NOV 01...	1110	--	9.3	92	320	290	310	140	5	45
JAN 25...	1500	--	12.0	98	<1	<1	K6	110	10	37

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
OCT 11...	1045	6.4	1.3	2	0.0	0.80	143	0	176	144
NOV 01...	1110	5.8	1.3	2	0.0	0.90	131	0	160	131
JAN 25...	1500	4.8	0.90	2	0.0	0.50	102	0	125	102

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT 11...	1045	4.4	3.0	<0.10	7.0	149	156	1.77	0.20	<0.010
NOV 01...	1110	2.8	1.9	<0.10	6.4	152	143	9.03	0.21	<0.010
JAN 25...	1500	4.4	1.2	<0.10	6.4	117	117	24.6	0.16	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT 11...	1045	--	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.80
NOV 01...	1110	0.060	0.060	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.0
JAN 25...	1500	--	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.4

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
OCT 11...	1045	0.10	30	23	4.0	5.0	<4	2.0	<10
NOV 01...	1110	0.20	--	--	--	11	--	4.0	--
JAN 25...	1500	0.20	--	--	--	11	--	2.0	--

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 11...	1045	<1.0	<1	<1.0	38	<6	21	0.25	80
NOV 01...	1110	--	--	--	--	--	25	1.5	73
JAN 25...	1500	--	--	--	--	--	12	2.5	92

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN 31...	1704	80513	80513	100	0.0	0.0	5.00	37
31...	1705	80513	80513	100	0.0	0.0	15.0	--
31...	1706	80513	80513	100	0.0	0.0	25.0	--
31...	1707	80513	80513	100	0.0	0.0	35.0	--
31...	1708	80513	80513	100	0.0	0.0	45.0	--
31...	1709	80513	80513	100	0.10	0.10	55.0	--
31...	1710	80513	80513	100	0.10	0.10	65.0	--
31...	1711	80513	80513	100	0.10	0.10	75.0	--
31...	1712	80513	80513	100	0.20	0.20	85.0	--
31...	1713	80513	80513	100	0.20	0.20	95.0	--

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1704	241	9.2	2.5	12.1	91	742
31...	1705	241	9.1	2.5	10.2	77	742
31...	1706	241	8.8	2.5	7.8	59	742
31...	1707	242	8.7	2.5	6.9	52	742
31...	1708	242	8.6	2.5	11.4	86	742
31...	1709	242	8.6	2.5	12.1	92	742
31...	1710	242	8.6	2.5	12.6	95	742
31...	1711	242	8.6	2.5	12.8	97	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	TURBIDITY (NTU) (00076)
FEB											
22...	1120	80513	80020	9.0	1.26	267	8.1	752	10.5	16.5	0.10
APR											
11...	1200	80513	80020	21	1.40	246	8.4	755	13.5	17.5	--
MAY											
08...	1015	80513	80020	37	1.76	253	8.1	758	16.5	23.0	--
JUN											
20...	1015	80513	80020	6.4	1.19	268	8.1	754	22.5	--	--
JUL											
23...	0915	80513	80020	3.7	1.11	271	7.9	757	24.5	24.0	--
AUG											
21...	1215	80513	80020	3.1	1.09	257	8.0	760	25.0	27.5	--
SEP											
18...	1335	80513	80020	10	1.23	257	8.7	760	21.0	23.5	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
FEB											
22...	1120	11.3	103	K4	K2	K4	140	12	46	5.7	1.2
APR											
11...	1200	11.3	109	K2	<1	K4	120	8	40	5.0	1.1
MAY											
08...	1015	9.8	101	K4	K4	K16	130	9	43	5.0	1.0
JUN											
20...	1015	6.7	79	K8	K7	K15	140	1	46	6.0	1.3
JUL											
23...	0915	6.8	82	47	30	130	130	0	42	6.1	1.5
AUG											
21...	1215	7.4	89	K11	K1	K8	130	7	42	6.4	1.5
SEP											
18...	1335	10.5	118	27	K5	38	130	1	42	6.0	1.3

DATE	TIME	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
FEB										
22...	1120	2	0.0	0.60	125	0	154	127	4.3	1.7
APR										
11...	1200	2	0.0	0.60	113	16	105	113	5.8	1.4
MAY										
08...	1015	2	0.0	0.60	118	0	145	119	5.4	1.2
JUN										
20...	1015	2	0.0	0.70	138	0	169	139	3.5	1.6
JUL										
23...	0915	2	0.1	0.80	140	0	172	141	3.3	2.0
AUG										
21...	1215	2	0.1	0.80	124	0	152	125	3.5	1.8
SEP										
18...	1335	2	0.0	0.80	129	0	157	129	4.1	1.7

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
FEB										
22...	1120	<0.10	5.5	157	141	3.82	0.21	--	<0.010	--
APR										
11...	1200	<0.10	6.1	136	128	7.71	0.18	--	<0.010	--
MAY										
08...	1015	<0.10	7.6	138	135	13.8	0.19	--	<0.010	0.070
JUN										
20...	1015	<0.10	9.8	140	152	2.42	0.19	--	<0.010	0.070
JUL										
23...	0915	<0.10	10	154	151	1.54	0.21	0.100	0.010	0.110
AUG										
21...	1215	<0.10	9.4	148	141	1.24	0.20	--	<0.010	0.080
SEP										
18...	1335	<0.10	8.1	142	142	3.83	0.19	--	<0.010	0.100

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
FEB										
22...	1120	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.80	0.20
APR										
11...	1200	<0.050	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	0.90	0.30
MAY										
08...	1015	0.070	0.020	<0.20	<0.20	0.010	<0.010	0.010	1.0	0.10
JUN										
20...	1015	0.070	0.020	<0.20	<0.20	<0.010	<0.010	<0.010	0.90	0.10
JUL										
23...	0915	0.110	0.040	<0.20	<0.20	<0.010	<0.010	<0.010	0.70	0.20
AUG										
21...	1215	0.080	<0.015	<0.20	<0.20	<0.010	<0.010	0.010	0.70	0.10
SEP										
18...	1335	0.100	<0.015	<0.20	<0.20	<0.010	<0.010	<0.010	1.2	0.20

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)
FEB 22...	1120	<10	18	<3.0	<3.0	<4	1.0	<10	<1.0	<1
APR 11...	1200	--	--	--	<3.0	--	1.0	--	--	--
MAY 08...	1015	--	--	--	11	--	3.0	--	--	--
JUN 20...	1015	--	--	--	5.0	--	5.0	--	--	--
JUL 23...	0915	--	--	--	4.0	--	6.0	--	--	--
AUG 21...	1215	--	--	--	4.0	--	4.0	--	--	--
SEP 18...	1335	--	--	--	<3.0	--	2.0	--	--	--

DATE	TIME	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 22...	1120	<1.0	34	<6	0.0	0.010	0.03	26	0.63	78
APR 11...	1200	--	--	--	--	--	--	20	1.1	95
MAY 08...	1015	--	--	--	--	--	--	44	4.4	69
JUN 20...	1015	--	--	--	--	--	--	42	0.73	35
JUL 23...	0915	--	--	--	--	--	--	28	0.28	82
AUG 21...	1215	--	--	--	--	--	--	15	0.13	98
SEP 18...	1335	--	--	--	--	--	--	26	0.70	90

07069190 MAMMOTH SPRING AT MAMMOTH SPRING

LOCATION.--Lat 36°29'53", long 91°32'08", in SE1/4SW1/4 sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year. Prior to October 1992 published under Station Number 07069200.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	243	233	259	325	262	354	435	427	341	312	268
2	263	241	233	257	318	262	360	432	424	336	354	268
3	264	240	231	257	316	262	363	429	420	335	361	266
4	268	240	230	257	312	262	364	424	417	332	359	265
5	268	239	230	258	307	259	364	418	411	329	353	262
6	268	238	231	259	303	258	364	417	408	328	346	261
7	265	238	233	259	301	257	361	436	414	325	339	259
8	265	238	233	259	297	257	358	442	412	322	331	258
9	262	238	232	258	296	257	353	446	410	319	326	257
10	262	238	230	255	293	257	350	448	408	318	321	254
11	260	238	230	254	290	257	347	473	406	315	316	253
12	257	239	230	254	289	257	345	480	403	312	312	251
13	255	240	230	255	288	257	379	481	400	310	308	251
14	254	240	229	257	286	257	382	481	395	308	304	250
15	254	240	228	257	286	257	382	481	390	305	301	249
16	252	238	229	257	283	257	382	481	386	305	298	290
17	251	238	234	257	283	257	379	479	383	301	296	308
18	251	238	254	265	281	257	375	477	386	299	293	303
19	251	238	281	278	280	257	371	473	384	298	292	294
20	251	236	292	280	279	257	368	467	380	296	292	287
21	251	233	292	280	277	257	368	464	374	295	289	283
22	249	233	292	280	275	257	382	457	369	289	286	283
23	248	233	289	293	274	257	433	455	366	287	286	280
24	248	233	281	346	271	257	445	452	362	283	283	284
25	246	233	277	353	271	269	447	449	360	281	281	295
26	245	234	273	353	268	281	447	446	357	283	280	329
27	245	235	271	350	268	283	447	443	355	283	279	425
28	245	235	268	345	268	294	445	438	350	280	277	424
29	245	234	265	341	265	330	443	435	347	281	274	424
30	245	233	262	338	---	338	437	432	343	305	273	422
31	244	---	259	332	---	342	---	429	---	325	271	---
TOTAL	7897	7114	7782	8803	8350	8328	11595	14000	11647	9526	9493	8803
MEAN	255	237	251	284	288	269	386	452	388	307	306	293
MAX	268	243	292	353	325	342	447	481	427	341	361	425
MIN	244	233	228	254	265	257	345	417	343	280	271	249
AC-FT	15660	14110	15440	17460	16560	16520	23000	27770	23100	18890	18830	17460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

MEAN	277	317	375	389	410	410	444	439	399	345	306	282
MAX	399	473	523	530	540	525	565	568	501	423	358	329
(WY)	1994	1985	1985	1985	1989	1989	1991	1991	1990	1990	1990	1991
MIN	191	190	186	234	286	205	220	248	253	236	221	205
(WY)	1982	1982	1982	1982	1987	1981	1981	1981	1981	1981	1981	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	131717		113338			
ANNUAL MEAN	361		310		376	
HIGHEST ANNUAL MEAN					453	1985
LOWEST ANNUAL MEAN					285	1987
HIGHEST DAILY MEAN	516	May 9	481	May 13	689	Apr 13 1991
LOWEST DAILY MEAN	228	Dec 15	228	Dec 15	182	Dec 18 1981
ANNUAL SEVEN-DAY MINIMUM	229	Dec 10	229	Dec 10	183	Dec 26 1981
INSTANTANEOUS PEAK FLOW			481	May 11,12	706	Apr 13 1991
INSTANTANEOUS PEAK STAGE			4.74	May 11,12	5.13	Apr 13 1991
INSTANTANEOUS LOW FLOW			228	Dec 14-16	182	[a]Dec 17-21 1981
ANNUAL RUNOFF (AC-FT)	261300		224800		272200	
10 PERCENT EXCEEDS	480		428		497	
50 PERCENT EXCEEDS	380		283		364	
90 PERCENT EXCEEDS	238		238		240	

[a]Also Dec. 28-31, 1981; Jan. 1-2, 1992

07072500 BLACK RIVER AT BLACK ROCK

LOCATION.--Lat 36°06'15", long 91°05'50", in NW1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank beneath U.S. Highway 63 bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

DRAINAGE AREA.--7,369 mi^2.

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft above sea level. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft, from records of National Weather Service, discharge, 160,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400	3410	3320	5480	7670	4420	9810	20800	10400	5280	5490	2870
2	3380	3980	3300	5620	7440	4330	10500	20000	10300	5210	4980	2860
3	3450	3640	3300	6660	7130	4220	11100	19500	10200	5130	6120	2870
4	3540	3510	3310	6590	6820	4130	11300	19000	10100	5070	5370	2890
5	3660	3440	3300	6240	6710	4100	10900	18300	9790	5030	4850	2860
6	3640	3420	3280	5960	6580	4870	10000	17600	9410	4990	4660	2830
7	3510	3560	3250	5740	6460	4770	9250	17900	9750	4960	4250	2810
8	3430	3630	3250	5530	6330	4610	8660	19400	9920	4960	3870	2810
9	3410	3600	3260	5370	6160	4560	8250	19300	9670	4870	3630	2880
10	3400	3580	3230	5230	5940	4450	7960	19700	9240	4670	3500	2850
11	3390	4490	3210	5140	5670	4340	7720	20900	8870	4480	3430	2800
12	3370	4910	3210	5150	5370	4300	7540	24700	8590	4300	3380	2750
13	3380	4700	3220	5070	5120	4270	8160	26200	8380	4140	3290	2720
14	3310	4540	3220	5010	4930	4200	9920	26900	8230	4050	3210	2700
15	3260	4370	3220	4960	4770	4180	9890	27700	7960	4100	3170	2730
16	3240	4240	3230	4940	4610	4220	9630	27800	7640	4090	3110	3760
17	3230	4090	3510	4990	4490	4180	9130	27100	7400	4060	3060	4500
18	3210	3920	9140	5190	4390	4210	8640	25800	7340	4000	3020	4680
19	3200	3790	10500	6690	4370	4540	8230	24100	7350	3910	3040	4510
20	3200	3730	10800	7070	4440	4740	8170	22200	6990	3820	3040	4300
21	3200	3700	9930	7330	4430	4750	8660	20500	6750	3740	3060	4080
22	3200	3670	9250	7430	4390	4750	9060	18800	6540	3700	3070	3850
23	3180	3660	8400	7430	4330	4760	14300	17200	6340	3690	3020	3650
24	3180	3600	7490	8920	4250	4770	19000	15600	6160	3750	2950	3550
25	3170	3540	6830	10800	4300	5630	19600	14000	6000	3840	2920	3550
26	3170	3500	6420	10500	4330	6200	19700	12600	5840	3830	2920	3720
27	3370	3470	6150	10100	4280	6560	19900	11700	5670	3780	2930	7600
28	3460	3410	5950	9510	4320	7270	20200	11600	5520	3700	2920	13900
29	3310	3380	5800	8880	4380	8070	21100	11600	5420	3720	2950	12400
30	3260	3350	5680	8350	---	8430	21400	11300	5330	4430	2920	11600
31	3240	---	5590	7970	---	9070	---	10900	---	5630	2880	---
TOTAL	103350	113830	163550	209850	154410	157900	357680	600700	237100	134930	111010	131880
MEAN	3334	3794	5276	6769	5324	5094	11920	19380	7903	4353	3581	4396
MAX	3660	4910	10800	10800	7670	9070	21400	27800	10400	5630	6120	13900
MIN	3170	3350	3210	4940	4250	4100	7540	10900	5330	3690	2880	2700
AC-FT	205000	225800	324400	416200	306300	313200	709500	1191000	470300	267600	220200	261600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1996, BY WATER YEAR (WY)

MEAN	3978	6728	9554	10880	11530	13580	15590	13750	7787	5246	3996	3861
MAX	11570	23020	44020	40410	36240	30410	42280	36370	18890	17630	8739	7630
(WY)	1985	1973	1983	1950	1989	1979	1973	1961	1957	1951	1951	1975
MIN	1797	1984	2042	1998	2650	3784	3721	4862	3296	2455	2028	1853
(WY)	1957	1957	1956	1956	1963	1981	1981	1987	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1948 - 1996	
ANNUAL TOTAL	2968400		2476190			
ANNUAL MEAN	8133		6766		[a]8858	
HIGHEST ANNUAL MEAN					17330	1973
LOWEST ANNUAL MEAN					3552	1954
HIGHEST DAILY MEAN	24400	May 3	27800	May 16	123000	Dec 5 1982
LOWEST DAILY MEAN	3170	Oct 25	2700	Sep 14	1730	Sep 18 1956
ANNUAL SEVEN-DAY MINIMUM	3190	Oct 20	2780	Sep 9	1730	Sep 22 1956
INSTANTANEOUS PEAK FLOW			27900	May 15,16	[b]190000	Dec 4 1982
INSTANTANEOUS PEAK STAGE			20.47	May 15,16	[c]31.51	Dec 4 1982
ANNUAL RUNOFF (AC-FT)	5888000		4912000		6417000	
10 PERCENT EXCEEDS	14300		11900		19100	
50 PERCENT EXCEEDS	7740		4750		5760	
90 PERCENT EXCEEDS	3380		3190		2720	

[a]Prior to regulation, water years 1930-31, 1940-47, 7,854 ft^3/s
[b]From rating curve extended above 105,000 ft^3/s
[c]From floodmarks

07074500 WHITE RIVER AT NEWPORT

LOCATION.--Lat 35°36'18", long 91°17'19", in NE1/4NE1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft downstream from bridge on State Highway 367 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi^2.

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft above sea level. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft, from records of National Weather Service.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	7870	11100	9260	19800	18000	20100	32200	26500	15300	14200	8250
2	13100	10600	8630	9030	23000	17200	20800	30900	26700	13500	14400	6810
3	11000	11200	7280	10100	20800	12800	20800	30400	26000	13700	16000	6570
4	10900	12200	6010	11400	17700	9820	20300	30000	26300	13000	13500	7520
5	12800	14400	5530	12100	16500	8970	19500	29200	26000	11100	11300	9400
6	12400	12300	6780	11700	14700	10600	18400	27500	26300	9120	9550	13700
7	12100	11300	8470	11500	14300	17700	17200	27300	26700	8580	11500	13400
8	13800	11900	8950	10800	14100	19800	15700	27700	26900	8770	14500	14300
9	11400	11000	10600	10800	12900	23700	14700	27300	24000	9570	16400	11000
10	8280	11800	9420	10800	11500	19300	13900	28100	23000	9510	13000	7830
11	8890	11500	8080	11000	12600	13900	13800	27600	22500	8190	10500	8760
12	9650	11100	7320	10100	11300	10200	12800	27800	22400	8270	8980	11200
13	10900	10900	7340	9810	9960	9040	13500	27000	22600	9130	7410	11300
14	11100	10900	7930	9890	11100	8900	14500	25900	22800	8610	7590	9390
15	10400	11400	8070	9750	12300	8520	16000	26200	21300	10000	10100	6960
16	9600	13400	7640	9540	10000	7790	17500	28000	19500	9370	13300	6810
17	8270	14000	7120	9420	12300	7910	17700	29000	16400	9050	13700	8070
18	7850	13500	12100	9420	15500	7650	16700	29700	13700	10800	12500	8980
19	8360	10600	20000	10300	13300	7520	15600	30200	13000	12000	10700	8980
20	8240	9130	23900	13600	12800	9500	14600	30400	14900	13700	9420	9260
21	8150	7950	24500	18300	11300	11700	14100	30600	15400	13100	13100	8590
22	9200	8740	22800	16400	10500	12700	14300	30800	15400	10600	15100	8800
23	9400	9430	20000	14400	10300	10900	16800	30300	16500	8650	15700	8020
24	7850	9380	17100	14300	9460	10300	31600	29100	14200	9220	14900	8350
25	8000	8820	14900	16900	9190	10100	41600	28200	12500	11900	12800	8170
26	9000	8710	13000	20400	8180	10300	40600	26900	12300	12700	10400	7360
27	9110	7040	11600	20900	7820	13200	37800	25800	11800	11700	8680	10700
28	9670	6100	10600	19400	8200	16200	34100	25100	11200	10100	9130	32000
29	8350	6530	10000	18300	12300	17200	31900	24900	14000	8410	9220	42500
30	7380	12400	9530	16200	---	18400	31500	24800	14700	9560	9320	34700
31	6780	---	9300	16200	---	19200	---	25600	---	11500	9120	---
TOTAL	305930	316100	355600	402020	373710	399020	628400	874500	585500	328710	366020	357680
MEAN	9869	10540	11470	12970	12890	12870	20950	28210	19520	10600	11810	11920
MAX	14000	14400	24500	20900	23000	23700	41600	32200	26900	15300	16400	42500
MIN	6780	6100	5530	9030	7820	7520	12800	24800	11200	8190	7410	6570
AC-FT	606800	627000	705300	797400	741300	791500	1246000	1735000	1161000	652000	726000	709500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	10440	15620	23300	26670	29010	34290	38650	35160	22380	16500	13000	10940
MAX	26280	41430	89140	90830	95540	117400	164200	102800	98630	43020	34390	29530
(WY)	1994	1973	1983	1950	1949	1945	1945	1943	1945	1951	1957	1957
MIN	3783	3795	4371	5310	7052	9148	6539	10970	7562	5354	4611	3702
(WY)	1955	1955	1944	1944	1964	1981	1981	1963	1977	1944	1944	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	8615530		5293190			
ANNUAL MEAN	23600		14460		[a]22960	
HIGHEST ANNUAL MEAN					46320	1945
LOWEST ANNUAL MEAN					8073	1981
HIGHEST DAILY MEAN	53700	May 11	42500	Sep 29	340000	Apr 18 1945
LOWEST DAILY MEAN	5530	Dec 5	5530	Dec 5	2870	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	7380	Dec 2	7380	Dec 2	2960	Sep 24 1954
INSTANTANEOUS PEAK FLOW			43700	Sep 29	343000	Apr 17 1945
INSTANTANEOUS PEAK STAGE			19.34	Sep 29	[b]35.19	Apr 18 1945
INSTANTANEOUS LOW FLOW			5170	Nov 29	2870	Sep 27-30 1954
ANNUAL RUNOFF (AC-FT)	17090000		10500000		16640000	
10 PERCENT EXCEEDS	39000		26700		48200	
50 PERCENT EXCEEDS	25300		11900		15700	
90 PERCENT EXCEEDS	9110		8080		6620	

[a]Prior to regulation, water years 1928-31, 1938-42, 26,370 ft^3/s
[b]Observed

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS

LOCATION.--Lat 35°31'15", long 91°59'42", in SE1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

DRAINAGE AREA.--1,153 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
12...	1404	80513	0.0	143	39	7.0	762	23.0	8.6	101	4.50
12...	1405	80513	10.0	143	39	7.0	762	22.0	8.6	98	--
12...	1406	80513	20.0	143	38	7.1	762	22.0	8.5	97	--
12...	1407	80513	30.0	143	38	7.0	762	21.5	8.4	95	--
12...	1408	80513	40.0	143	38	6.8	762	21.5	7.5	85	--
12...	1409	80513	44.0	143	38	6.4	762	20.0	5.2	58	--
12...	1410	80513	47.0	143	38	6.2	762	19.5	3.8	41	--
12...	1411	80513	49.0	143	38	6.1	762	17.5	3.6	38	--
12...	1412	80513	50.0	143	38	6.1	762	17.0	3.5	36	--
12...	1413	80513	54.0	143	39	6.1	762	16.0	3.4	35	--
12...	1414	80513	60.0	143	39	6.2	762	14.5	3.5	34	--
12...	1415	80513	64.0	143	40	6.2	762	14.0	3.5	34	--
12...	1416	80513	70.0	143	40	6.2	762	13.0	3.7	35	--
12...	1417	80513	77.0	143	40	6.2	762	12.0	4.0	37	--
12...	1418	80513	80.0	143	40	6.2	762	11.5	4.2	39	--
12...	1419	80513	90.0	143	39	6.3	762	10.5	5.0	44	--
12...	1420	80513	100	143	39	6.3	762	10.0	5.2	46	--
12...	1421	80513	110	143	39	6.3	762	9.5	4.9	42	--
12...	1422	80513	120	143	40	6.3	762	9.0	4.1	35	--
12...	1423	80513	130	143	41	6.3	762	8.5	3.7	31	--
12...	1424	80513	140	143	41	6.2	762	8.5	3.4	29	--
12...	1425	80513	143	143	41	6.2	762	8.5	3.3	28	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
26...	1254	80513	0.0	138	39	7.1	746	19.0	10.6	117	4.80
26...	1255	80513	10.0	138	39	7.1	746	19.0	10.1	112	--
26...	1256	80513	20.0	138	39	7.0	746	19.0	10.1	111	--
26...	1257	80513	30.0	138	39	7.0	746	19.0	10	110	--
26...	1258	80513	40.0	138	39	7.0	746	19.0	9.9	109	--
26...	1300	80513	49.0	138	39	6.4	746	18.5	5.8	63	--
26...	1301	80513	50.0	138	39	6.3	746	18.0	4.6	50	--
26...	1302	80513	51.0	138	39	6.2	746	17.5	3.7	40	--
26...	1303	80513	53.0	138	39	6.2	746	16.5	3.8	40	--
26...	1304	80513	56.0	138	39	6.1	746	15.5	3.8	39	--
26...	1305	80513	60.0	138	39	6.1	746	14.5	3.9	39	--
26...	1306	80513	65.0	138	40	6.1	746	13.5	3.8	38	--
26...	1307	80513	70.0	138	40	6.1	746	12.5	4.1	39	--
26...	1308	80513	77.0	138	40	6.1	746	11.5	4.6	43	--
26...	1309	80513	80.0	138	40	6.2	746	11.5	4.9	46	--
26...	1310	80513	88.0	138	39	6.2	746	10.5	5.7	52	--
26...	1311	80513	90.0	138	39	6.2	746	10.0	5.8	53	--
26...	1312	80513	100	138	39	6.2	746	9.5	5.9	53	--
26...	1313	80513	110	138	40	6.2	746	9.0	5.4	47	--
26...	1314	80513	120	138	41	6.2	746	8.5	4.6	40	--
26...	1315	80513	130	138	41	6.3	746	8.5	3.9	34	--
26...	1317	80513	138	138	41	6.2	746	8.5	3.8	33	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
06...	1335	80513	0.0	143	38	6.8	760	17.0	8.4	87	7.80
06...	1336	80513	10.0	143	38	6.8	760	17.0	8.5	88	--
06...	1337	80513	20.0	143	38	6.8	760	17.0	8.4	87	--
06...	1338	80513	30.0	143	38	6.8	760	17.0	8.3	86	--
06...	1339	80513	40.0	143	38	6.8	760	17.0	8.2	85	--
06...	1340	80513	50.0	143	39	6.5	760	16.0	5.3	54	--
06...	1342	80513	54.0	143	40	6.2	760	15.0	2.8	28	--
06...	1343	80513	60.0	143	40	6.2	760	14.5	2.9	28	--
06...	1344	80513	70.0	143	40	6.2	760	13.0	3.2	30	--
06...	1345	80513	80.0	143	40	6.3	760	11.5	3.8	35	--
06...	1346	80513	90.0	143	39	6.3	760	10.5	4.6	41	--
06...	1347	80513	100	143	40	6.4	760	9.5	4.8	42	--
06...	1348	80513	110	143	40	6.4	760	9.0	4.4	39	--
06...	1349	80513	120	143	40	6.4	760	9.0	3.8	33	--
06...	1350	80513	130	143	41	6.3	760	8.5	3.3	28	--
06...	1351	80513	140	143	41	6.3	760	8.5	3.0	26	--
06...	1352	80513	143	143	42	6.3	760	8.5	2.9	25	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
DEC											
12...	1017	80513	0.0	146	35	6.8	764	11.0	8.4	76	7.70
12...	1018	80513	10.0	146	34	6.7	764	11.0	7.9	71	--
12...	1019	80513	20.0	146	35	6.6	764	11.0	7.9	71	--
12...	1021	80513	30.0	146	35	6.5	764	11.0	7.9	71	--
12...	1022	80513	40.0	146	35	6.5	764	11.0	7.9	71	--
12...	1023	80513	50.0	146	35	6.5	764	11.0	7.9	71	--
12...	1024	80513	60.0	146	35	6.4	764	11.0	7.9	71	--
12...	1025	80513	70.0	146	35	6.4	764	11.0	7.9	71	--
12...	1026	80513	80.0	146	35	6.4	764	11.0	7.7	69	--
12...	1027	80513	90.0	146	35	6.3	764	10.5	5.2	46	--
12...	1028	80513	100	146	36	6.1	764	10.0	3.4	29	--
12...	1029	80513	110	146	36	6.1	764	9.5	3.1	27	--
12...	1030	80513	120	146	38	6.0	764	9.0	2.2	19	--
12...	1031	80513	130	146	39	6.0	764	9.0	1.7	14	--
12...	1032	80513	140	146	40	5.9	764	8.5	1.4	12	--
12...	1033	80513	146	146	40	5.9	764	8.5	1.3	11	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN											
22...	1054	80513	0.0	149	38	6.8	768	7.0	10	82	4.90
22...	1055	80513	10.0	149	38	6.7	768	7.0	9.9	81	--
22...	1056	80513	20.0	149	39	6.7	768	7.0	9.9	81	--
22...	1057	80513	30.0	149	38	6.7	768	7.0	9.9	81	--
22...	1058	80513	40.0	149	38	6.6	768	7.0	9.9	81	--
22...	1059	80513	50.0	149	38	6.6	768	7.0	9.9	81	--
22...	1100	80513	60.0	149	38	6.6	768	7.0	9.9	81	--
22...	1101	80513	70.0	149	38	6.6	768	7.0	9.8	81	--
22...	1102	80513	80.0	149	38	6.6	768	7.0	9.8	81	--
22...	1103	80513	90.0	149	38	6.5	768	7.0	9.8	81	--
22...	1104	80513	100	149	38	6.5	768	7.0	9.8	81	--
22...	1105	80513	110	149	38	6.5	768	7.0	9.8	80	--
22...	1106	80513	120	149	38	6.5	768	7.0	9.8	80	--
22...	1107	80513	130	149	38	6.5	768	7.0	9.8	80	--
22...	1108	80513	140	149	38	6.5	768	7.0	9.7	79	--
22...	1109	80513	149	149	38	6.5	768	7.0	9.7	79	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
19...	1150	80513	0.0	146	39	6.7	760	9.5	11.3	99	7.10
19...	1151	80513	10.0	146	39	7.0	760	9.5	11.2	98	--
19...	1152	80513	20.0	146	39	7.0	760	9.5	11.3	98	--
19...	1153	80513	30.0	146	39	7.1	760	9.5	11.2	98	--
19...	1154	80513	40.0	146	39	7.1	760	9.0	11.2	98	--
19...	1155	80513	50.0	146	39	7.1	760	9.0	11.3	98	--
19...	1156	80513	60.0	146	39	7.1	760	9.0	11.3	98	--
19...	1157	80513	70.0	146	39	7.0	760	7.5	11.3	94	--
19...	1158	80513	80.0	146	39	7.0	760	6.5	11.0	90	--
19...	1159	80513	90.0	146	39	7.0	760	6.5	10.9	89	--
19...	1200	80513	100	146	39	6.9	760	6.5	10.7	87	--
19...	1201	80513	110	146	39	6.9	760	6.0	10.6	86	--
19...	1202	80513	120	146	39	6.8	760	6.0	10.4	84	--
19...	1203	80513	130	146	39	6.8	760	6.0	10.5	84	--
19...	1204	80513	140	146	39	6.9	760	6.0	10.4	83	--
19...	1205	80513	146	146	39	6.9	760	6.0	10.4	84	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
20...	0951	80513	0.0	146	42	7.1	760	28.5	7.6	98	5.30
20...	0953	80513	10.0	146	42	7.1	760	28.0	7.8	100	--
20...	0955	80513	20.0	146	41	7.1	760	28.0	7.8	100	--
20...	0957	80513	28.0	146	41	7.2	760	27.0	8.6	108	--
20...	0959	80513	29.0	146	41	7.4	760	26.5	9.2	115	--
20...	1000	80513	30.0	146	40	7.5	760	25.5	9.5	117	--
20...	1001	80513	31.0	146	40	7.6	760	24.0	9.9	119	--
20...	1002	80513	32.0	146	39	7.6	760	23.5	9.8	116	--
20...	1003	80513	33.0	146	39	7.4	760	21.5	10.1	115	--
20...	1005	80513	34.0	146	39	7.3	760	20.5	10.1	113	--
20...	1006	80513	36.0	146	38	7.2	760	19.5	9.8	107	--
20...	1007	80513	38.0	146	38	7.2	760	18.0	9.6	102	--
20...	1008	80513	39.0	146	38	7.2	760	17.0	9.7	101	--
20...	1009	80513	40.0	146	38	7.2	760	16.5	9.5	98	--
20...	1010	80513	44.0	146	38	7.1	760	15.5	9.0	91	--
20...	1012	80513	47.0	146	38	6.9	760	14.5	8.6	85	--
20...	1013	80513	50.0	146	38	6.9	760	14.0	8.3	81	--
20...	1014	80513	56.0	146	38	6.9	760	12.5	8.3	78	--
20...	1015	80513	60.0	146	39	6.8	760	12.5	8.1	76	--
20...	1017	80513	65.0	146	39	6.8	760	11.0	8.2	75	--
20...	1018	80513	70.0	146	39	6.7	760	10.5	8.1	73	--
20...	1019	80513	75.0	146	39	6.7	760	10.0	8.2	73	--
20...	1020	80513	80.0	146	39	6.7	760	9.5	8.2	72	--
20...	1021	80513	90.0	146	39	6.7	760	9.0	8.1	71	--
20...	1022	80513	100	146	39	6.7	760	8.5	8.1	69	--
20...	1023	80513	110	146	39	6.7	760	8.5	7.9	68	--
20...	1024	80513	120	146	40	6.7	760	8.0	7.5	63	--
20...	1025	80513	130	146	40	6.6	760	8.0	7.2	60	--
20...	1026	80513	140	146	40	6.6	760	7.5	6.9	58	--
20...	1027	80513	146	146	40	6.6	760	7.5	6.8	57	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
19...	1312	80513	0.0	140	41	7.1	756	25.0	8.3	102	4.70
19...	1313	80513	10.0	140	41	7.1	756	25.0	8.3	102	--
19...	1314	80513	20.0	140	41	7.1	756	25.0	8.3	102	--
19...	1315	80513	26.0	140	40	6.9	756	24.5	8.6	104	--
19...	1316	80513	28.0	140	39	7.0	756	24.0	9.9	118	--
19...	1317	80513	30.0	140	39	7.0	756	23.0	10.1	119	--
19...	1318	80513	32.0	140	38	6.9	756	21.5	10.0	114	--
19...	1319	80513	33.0	140	38	6.8	756	20.0	10	111	--
19...	1320	80513	35.0	140	38	6.7	756	18.5	9.7	104	--
19...	1321	80513	36.0	140	38	6.7	756	18.0	9.5	102	--
19...	1323	80513	38.0	140	38	6.7	756	17.0	9.2	96	--
19...	1324	80513	40.0	140	38	6.6	746	16.0	9.0	93	--
19...	1325	80513	43.0	140	38	6.5	746	15.0	8.3	85	--
19...	1326	80513	48.0	140	38	6.5	756	14.0	8.0	79	--
19...	1327	80513	50.0	140	38	6.5	756	13.5	8.0	78	--
19...	1328	80513	55.0	140	38	6.5	746	12.5	7.9	76	--
19...	1329	80513	60.0	140	39	6.5	756	12.0	7.9	73	--
19...	1330	80513	70.0	140	39	6.5	756	11.0	7.9	71	--
19...	1331	80513	80.0	140	39	6.5	756	10.0	7.9	70	--
19...	1332	80513	90.0	140	39	6.5	746	9.0	7.9	70	--
19...	1333	80513	100	140	39	6.5	746	9.0	7.7	68	--
19...	1334	80513	110	140	40	6.5	756	8.5	7.5	64	--
19...	1335	80513	121	140	40	6.4	756	8.0	6.8	58	--
19...	1336	80513	130	140	40	6.3	756	8.0	6.4	54	--
19...	1337	80513	140	140	40	6.3	756	8.0	6.1	52	--

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS

LOCATION.--Lat 35°31'02", long 91°59'50", in NE1/4 sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--November 1949 to September 1952, water years 1955-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71, May 1991 to current year.

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
12...	1259	80513	80513	41	6.5	765	14.0	8.8	85
26...	1236	80513	80513	41	6.3	746	11.0	10.5	97
NOV									
06...	1417	80513	80513	41	7.2	760	11.0	10.5	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
DEC							
12...	1104	80513	80513	300	2.70	5.40	19.0
12...	1105	80513	80513	300	3.00	6.00	57.0
12...	1106	80513	80513	300	2.90	5.80	95.0
12...	1107	80513	80513	300	3.20	6.40	133
12...	1108	80513	80513	300	4.30	8.60	171
12...	1109	80513	80513	300	4.20	8.40	209
12...	1110	80513	80513	300	4.30	8.60	247
12...	1111	80513	80513	300	4.20	8.40	285

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
12...	1104	37	6.2	9.5	7.0	61	769
12...	1105	37	6.1	9.5	7.0	61	769
12...	1106	37	6.1	9.5	7.0	61	769
12...	1107	37	6.1	9.5	6.9	60	769
12...	1108	37	6.0	9.5	7.0	61	769
12...	1109	37	6.0	9.5	6.9	60	769
12...	1110	37	6.0	9.5	7.0	61	769
12...	1111	37	6.0	9.5	7.0	61	769

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN									
22...	1130	80513	80513	40	6.6	768	7.0	11.6	94
MAR									
19...	1228	80513	80513	40	7.4	764	8.5	12.5	107
AUG									
20...	1100	80513	80513	42	7.3	764	14.5	10.9	107
SEP									
19...	1226	80513	80513	39	7.9	760	16.0	11.5	116

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.2	---	---	7.4	5.2	6.1	5.9	5.1	5.5	---	---	---
2	10.0	6.4	7.8	7.4	4.3	6.0	5.4	4.9	5.1	---	---	---
3	8.1	5.0	6.9	7.1	4.4	6.1	5.8	4.7	5.1	---	---	---
4	8.6	4.6	6.5	7.0	5.3	6.3	5.8	4.7	5.3	---	---	---
5	7.8	4.9	6.3	6.9	5.9	6.3	6.3	4.7	5.2	---	---	---
6	---	---	---	6.5	5.7	6.0	7.3	4.9	5.5	---	---	---
7	---	---	---	7.8	5.7	6.6	7.3	4.2	5.8	---	---	---
8	---	---	---	6.9	5.9	6.4	5.6	4.6	5.0	---	---	---
9	---	---	---	8.2	5.9	6.9	8.4	5.0	6.2	---	---	---
10	---	---	---	7.0	5.7	6.1	8.1	4.8	6.6	---	---	---
11	---	---	---	7.9	6.0	7.2	7.3	4.8	5.8	---	---	---
12	---	---	---	7.0	5.9	6.3	7.7	4.4	6.1	---	---	---
13	9.3	4.9	7.3	6.9	5.9	6.2	5.1	4.2	4.5	---	---	---
14	8.9	6.5	7.7	7.0	5.7	6.2	5.1	4.2	4.5	---	---	---
15	8.8	5.3	7.5	6.6	5.5	5.9	5.1	4.3	4.6	---	---	---
16	8.6	6.3	7.2	8.2	5.5	6.2	5.8	4.4	4.9	---	---	---
17	8.5	6.2	7.0	8.2	4.8	7.1	7.0	4.2	5.2	---	---	---
18	8.4	6.1	6.9	6.6	5.6	6.0	5.6	4.5	5.1	---	---	---
19	8.5	6.1	7.1	6.6	5.4	5.9	9.5	4.8	6.4	---	---	---
20	8.8	6.4	7.3	6.5	5.4	5.8	9.9	6.4	8.6	---	---	---
21	8.3	5.1	6.6	7.9	5.5	6.4	9.4	6.3	7.7	---	---	---
22	8.4	6.1	6.9	6.3	5.4	5.9	9.4	6.6	8.2	---	---	---
23	8.1	4.8	6.5	7.0	5.5	6.2	9.4	6.6	8.2	---	---	---
24	8.6	6.4	7.3	7.1	5.6	6.0	9.6	6.8	8.4	---	---	---
25	9.0	6.3	7.3	7.7	4.7	5.9	9.7	7.0	7.8	---	---	---
26	---	---	---	7.7	4.5	6.1	10.7	7.3	8.8	---	---	---
27	---	---	---	7.3	4.8	6.3	10.7	7.8	9.6	---	---	---
28	---	---	---	6.4	5.5	6.0	9.8	8.3	9.1	---	---	---
29	---	---	---	6.2	5.5	5.8	---	---	---	---	---	---
30	---	---	---	6.3	5.3	5.8	7.7	6.6	7.3	---	---	---
31	---	---	---	---	---	---	6.7	6.0	6.3	---	---	---

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.4	10.6	11.3	9.4	8.2	8.9	11.2	9.4	10.4	9.3	8.5	8.8
2	12.4	10.5	11.0	9.6	8.2	8.8	11.8	9.4	10.3	9.5	8.3	8.9
3	---	---	---	9.6	8.2	8.7	11.3	9.5	10.5	9.1	8.4	8.8
4	11.4	10.5	10.8	10.1	8.5	9.0	11.3	9.4	10.0	10.2	8.2	8.9
5	11.3	10.3	10.8	9.3	8.4	8.8	11.7	9.7	10.5	10.5	8.5	9.2
6	11.2	10.3	10.6	9.6	8.5	8.8	11.6	9.1	10.0	13.2	8.8	9.9
7	12.2	10.2	11.0	10.0	8.6	9.0	10.2	9.4	9.9	13.6	9.8	12.0
8	10.9	10.1	10.5	10.2	8.5	9.2	11.0	9.8	10.2	10.1	8.5	9.3
9	10.7	9.9	10.2	9.9	9.0	9.4	10.1	9.4	9.9	9.4	8.3	8.8
10	12.0	9.8	10.3	9.9	9.0	9.4	10.2	9.5	9.9	10.0	8.6	9.1
11	---	---	---	10.7	8.9	9.5	10.6	9.7	10.0	---	---	---
12	11.4	9.8	10.1	10.5	9.0	9.5	11.3	9.7	10.2	---	---	---
13	---	---	---	10.6	9.2	9.7	10.2	9.5	10.0	10.1	8.6	9.2
14	10.9	9.8	10.3	10.1	9.0	9.6	10.1	9.3	9.9	10.4	8.7	9.4
15	12.2	10.0	10.8	10.7	9.2	9.7	10.6	9.4	9.9	10.6	8.5	9.3
16	11.7	10.3	10.9	10.0	9.2	9.6	10.0	9.5	9.9	10.1	8.6	9.1
17	11.7	10.2	10.8	11.6	9.3	10.0	10.0	9.5	9.9	9.9	8.7	9.1
18	11.9	10.1	10.6	10.3	9.3	9.8	10.2	9.5	9.9	10.3	8.2	9.0
19	11.3	10.0	10.4	10.9	9.4	9.9	10.1	9.3	9.8	10.5	8.2	9.1
20	11.8	10.0	10.5	11.2	9.8	10.3	10.7	8.8	9.9	10.3	8.6	9.1
21	10.8	10.0	10.3	10.9	10.0	10.4	9.5	8.5	9.0	9.9	8.3	9.0
22	11.7	10.1	10.5	11.7	9.7	10.6	10.4	8.7	9.3	10.3	8.6	9.1
23	11.9	10.1	11.1	---	---	---	11.2	9.0	10.0	10.0	8.0	8.9
24	12.2	10.0	11.4	10.7	10.0	10.3	11.0	9.0	9.8	10.1	8.0	8.9
25	11.9	10.1	11.1	10.6	9.7	10.1	9.9	8.4	9.1	10.3	8.5	9.2
26	12.0	10.2	10.9	12.3	9.9	10.7	9.4	8.4	8.8	10.3	8.0	8.9
27	11.8	8.5	9.8	11.9	9.7	10.5	10.5	8.4	9.5	10.3	7.9	9.2
28	9.7	8.2	8.7	11.4	9.8	10.4	10.1	8.7	9.5	10.4	7.9	9.8
29	9.8	8.3	9.2	11.0	9.9	10.4	10.0	8.8	9.3	10.2	7.6	9.0
30	10.0	8.4	9.3	11.7	9.6	10.6	9.4	8.5	9.0	9.9	7.6	8.7
31	---	---	---	11.4	10.1	10.6	10.1	8.6	8.9	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.7	---	---	10.2	8.7	9.4	9.7	8.1	8.7	---	---	---
2	10.5	8.9	9.4	10.3	8.7	9.3	8.8	8.4	8.6	---	---	---
3	11.6	8.9	9.7	10.3	7.9	9.1	9.5	8.5	8.9	---	---	---
4	11.9	8.7	9.6	10.1	8.2	8.9	9.4	8.2	8.6	---	---	---
5	11.4	8.8	9.7	9.1	8.3	8.5	9.6	8.3	8.7	---	---	---
6	10.2	8.5	9.3	8.6	8.3	8.5	9.5	8.0	8.4	---	---	---
7	11.1	8.6	9.7	10.2	8.4	9.1	9.5	8.0	8.8	---	---	---
8	11.0	8.4	9.4	9.5	7.9	8.5	9.0	8.0	8.3	---	---	---
9	11.1	8.4	9.3	10.2	8.0	9.0	10.1	8.0	9.8	---	---	---
10	11.3	8.5	9.5	9.4	8.7	9.0	9.8	9.4	9.6	---	---	---
11	10.5	8.4	9.2	9.4	7.8	8.4	9.7	8.8	9.5	---	---	---
12	11.0	8.7	9.7	9.5	7.8	8.4	9.4	8.7	9.2	---	---	---
13	10.0	8.7	9.3	8.8	8.2	8.4	9.3	8.7	8.9	---	---	---
14	10.8	8.5	9.5	9.4	7.9	8.4	9.8	8.7	9.1	---	---	---
15	11.1	8.4	9.5	8.6	8.2	8.3	9.6	8.8	9.1	---	---	---
16	11.3	8.5	9.5	9.5	8.2	8.7	9.8	8.5	8.9	---	---	---
17	11.3	8.5	9.5	9.8	8.7	9.5	8.7	8.4	8.5	---	---	---
18	11.1	8.5	9.4	10.0	8.3	8.9	9.0	8.7	8.8	---	---	---
19	11.4	8.5	9.6	9.9	8.2	8.7	9.5	8.2	8.7	---	---	---
20	10.5	8.4	9.2	9.6	8.3	8.7	9.6	9.3	9.4	---	---	---
21	11.1	8.3	9.7	10.1	8.2	9.0	9.4	9.2	9.3	---	---	---
22	11.0	8.4	9.3	9.1	8.2	8.6	9.3	9.2	9.3	---	---	---
23	10.0	8.7	9.5	9.6	8.4	8.8	9.3	9.2	9.2	---	---	---
24	10.8	8.4	9.5	9.6	7.9	8.5	9.2	9.1	9.2	---	---	---
25	10.1	8.2	9.0	10.0	9.5	9.8	9.2	9.0	9.1	---	---	---
26	8.8	6.1	7.4	10.0	9.7	9.9	9.1	9.0	9.0	---	---	---
27	6.7	5.9	6.3	10.7	8.3	9.8	9.0	8.4	8.8	---	---	---
28	6.9	6.1	6.6	8.4	8.0	8.2	9.2	8.1	8.5	---	---	---
29	7.0	6.1	6.6	9.4	7.9	8.4	---	---	---	---	---	---
30	6.8	6.3	6.6	9.4	8.0	8.5	8.2	7.2	8.0	---	---	---
31	9.5	6.6	8.2	---	---	---	8.6	8.1	8.4	---	---	---
MONTH	11.9	---	---	10.7	7.8	8.8	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	11.3	7.9	9.0	9.9	8.1	8.9	11.5	8.4	9.2
2	---	---	---	8.3	8.0	8.1	10.4	8.2	8.6	11.2	8.4	9.2
3	---	---	---	11.4	8.0	8.8	10.9	8.2	9.0	10.4	8.4	9.1
4	11.6	7.7	8.9	10.5	7.9	8.8	11.6	8.4	9.0	10.6	8.4	8.8
5	11.9	7.6	8.6	11.9	8.0	9.1	12.4	8.2	9.1	10.7	8.3	8.9
6	10.1	7.7	8.4	12.1	8.1	9.0	11.0	8.2	8.8	11.2	8.2	9.0
7	9.1	7.5	8.2	11.7	8.0	9.0	10.9	8.2	8.8	11.1	8.1	9.0
8	10.7	7.4	8.3	11.8	8.1	8.8	10.7	8.3	8.7	9.5	8.3	8.7
9	10.0	7.4	8.3	11.0	8.0	8.8	11.7	8.3	8.9	12.0	8.4	9.1
10	8.1	7.7	7.9	12.2	8.0	9.0	11.3	8.2	9.0	11.0	8.3	8.9
11	9.0	7.6	8.1	10.0	8.1	8.8	10.7	8.3	9.0	---	---	---
12	11.1	7.8	9.0	10.1	8.0	8.5	11.7	8.3	9.1	---	---	---
13	---	---	---	11.8	7.9	8.9	11.2	8.2	8.8	10.9	8.1	8.8
14	12.1	7.9	9.1	10.6	8.0	8.7	11.8	8.1	8.9	10.7	8.0	9.0
15	10.6	7.8	8.6	12.3	8.1	9.2	9.5	8.2	8.5	9.3	8.3	8.6
16	11.2	7.7	8.7	11.5	8.0	8.8	11.4	8.2	8.8	11.4	8.5	9.3
17	11.1	7.8	8.6	11.8	8.1	8.8	10.5	8.2	9.1	11.2	8.2	9.0
18	10.9	7.8	8.5	11.6	8.1	8.9	9.9	8.4	8.9	11.3	8.1	8.8
19	11.6	8.0	9.1	11.3	8.1	8.8	11.1	8.4	8.9	10.7	8.1	8.6
20	10.3	8.0	8.4	11.4	8.1	9.1	10.8	8.3	8.7	10.7	8.2	8.9
21	8.9	8.0	8.2	11.0	8.1	9.0	12.4	8.4	9.5	11.4	8.2	9.1
22	11.7	7.8	9.0	11.4	8.1	8.9	11.7	8.4	9.2	11.5	8.0	9.0
23	8.4	7.8	8.1	10.4	8.1	8.9	11.1	8.3	8.8	11.3	8.0	8.8
24	8.3	7.9	8.1	12.1	8.3	9.7	12.3	8.3	9.3	10.8	8.2	8.9
25	9.3	8.0	8.4	11.5	8.3	9.4	11.9	8.5	9.6	10.2	8.0	8.6
26	10.0	7.9	8.5	11.7	8.2	9.2	10.9	8.5	9.2	9.4	8.3	8.7
27	10.7	7.9	8.9	10.5	8.0	9.3	9.6	8.2	8.8	8.9	8.5	8.8
28	12.0	7.9	8.9	11.0	8.2	9.4	12.4	8.3	9.2	10.6	8.5	8.9
29	11.1	7.9	8.9	11.5	8.2	9.7	11.6	8.2	9.0	8.9	8.0	8.6
30	11.6	7.9	8.9	10.5	8.1	9.2	11.7	8.3	9.4	10.6	8.5	9.0
31	---	---	---	11.3	8.2	9.3	11.3	8.4	9.3	---	---	---

07076620 LITTLE RED RIVER NEAR SEARCY

LOCATION.--Lat 35°16'57", long 91°43'09", in NE1/4NE1/4 sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy, and at mile 31.7.

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

PERIOD OF RECORD.--May 1983 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft above sea level. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Records poor. Flow regulated since Mar. 30, 1962, by Greers Ferry Lake 47.1 mi upstream, capacity, 2,926,500 acre-ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	84	112	334	934	670	1190	1330	4020	1420	804	693
2	301	422	117	456	531	603	1140	4420	4020	2250	753	868
3	351	628	107	998	588	530	768	e2300	3600	3320	1880	840
4	459	827	106	927	527	1260	650	e5400	1160	1570	1150	691
5	575	531	103	751	348	820	566	e3000	404	746	780	2110
6	495	166	101	639	314	605	508	e2000	1050	838	1540	1530
7	1280	130	115	542	321	822	461	e1700	2050	1150	2650	1270
8	577	433	805	468	500	1150	427	e1800	2460	782	1940	1480
9	249	361	566	720	364	1220	399	e2000	2470	1660	1770	1500
10	250	446	3810	510	326	644	365	e2300	2480	953	1250	844
11	322	75	3910	392	296	424	347	e1400	4330	768	891	1810
12	1600	83	2170	391	282	384	407	e900	3420	584	687	3350
13	1230	135	1300	389	269	526	1030	e1100	2130	969	716	1110
14	1050	68	343	386	262	381	1440	e650	1650	806	1140	232
15	437	119	188	354	255	458	2490	e1200	952	668	1140	388
16	206	115	152	330	242	361	2220	e2100	726	552	1780	251
17	238	158	177	320	242	305	1630	e2500	756	1340	1080	216
18	114	643	2200	429	242	315	1290	e1500	1650	2160	861	352
19	62	302	2260	900	269	513	1100	e900	2890	2360	596	472
20	60	216	2550	820	481	603	1560	e650	2260	2330	918	999
21	61	143	3580	691	605	942	1890	e880	3010	922	2210	718
22	469	529	4660	628	483	6070	2180	1220	4280	712	1540	160
23	227	349	5060	633	434	1550	4210	1660	1500	1440	1520	268
24	758	118	4780	997	392	570	6240	1440	4860	1120	1080	2230
25	467	219	4180	1030	351	889	2950	1990	3320	829	821	1600
26	199	1670	3690	883	332	1030	237	1820	1350	2460	694	686
27	127	2300	2970	767	336	919	.00	2700	1980	1210	876	3240
28	148	588	1800	650	706	1330	.00	3380	2540	881	1110	6750
29	95	207	479	590	792	1590	754	3840	1270	907	1030	4680
30	68	140	317	544	---	1360	416	3820	1330	1140	1210	3830
31	59	---	314	495	---	1350	---	4180	---	869	935	---
TOTAL	12954	12205	53022	18964	12024	30194	38865.00	66080	69918	39716	37352	45168
MEAN	418	407	1710	612	415	974	1295	2132	2331	1281	1205	1506
MAX	1600	2300	5060	1030	934	6070	6240	5400	4860	3320	2650	6750
MIN	59	68	101	320	242	305	.00	650	404	552	596	160
AC-FT	25690	24210	105200	37620	23850	59890	77090	131100	138700	78780	74090	89590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1996, BY WATER YEAR (WY)

MEAN	954	1351	3319	3589	3986	4385	4019	2699	2200	1777	1356	826
MAX	2668	2813	7829	7526	8764	8195	6600	5116	3921	4968	3569	1988
(WY)	1985	1989	1992	1985	1985	1990	1991	1990	1990	1990	1985	1985
MIN	165	211	209	612	415	974	1295	506	641	542	366	250
(WY)	1984	1990	1987	1996	1996	1996	1996	1988	1987	1989	1989	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	721288.00		436462.00			
ANNUAL MEAN	1976		1193		2506	
HIGHEST ANNUAL MEAN					3881	1985
LOWEST ANNUAL MEAN					1213	1996
HIGHEST DAILY MEAN	12300	Jan 19	6750	Sep 28	28400	Nov 27 1984
LOWEST DAILY MEAN	.00	Feb 4	.00	Apr 27	.00	Oct 31 1984
ANNUAL SEVEN-DAY MINIMUM	108	Nov 11	108	Nov 11	.00	May 4 1988
INSTANTANEOUS PEAK FLOW			8900	Sep 27	35300	Nov 27 1984
INSTANTANEOUS PEAK STAGE			19.70	May 2	39.14	Dec 22 1990
INSTANTANEOUS LOW FLOW			[a].00	Apr 27-28	[a].00	at times
ANNUAL RUNOFF (AC-FT)	1431000		865700		1816000	
10 PERCENT EXCEEDS	4650		2760		6050	
50 PERCENT EXCEEDS	1280		804		1500	
90 PERCENT EXCEEDS	163		204		222	

[a]Caused by backwater from White River
[e]Estimated

07077000 WHITE RIVER AT DEVALLS BLUFF

LOCATION.--Lat 34°47'25", long 91°26'45", in SE1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,431 mi^2.

PERIOD OF RECORD.--October 1927 to September 1945 (large part of floodflow above station overflowed into Cache River and was not included in the records), October 1949 to September 1970, October 1988 to current year. Monthly discharge only for some periods, published in WSP 1311. Daily stages for the period October 1970 to date published in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 152.93 ft above sea level. Prior to Dec. 22, 1933, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, since Mar. 30, 1962, by Greers Ferry Lake, capacity, 2,926,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

COOPERATION.--Gage-height record was provided by the U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 23, 1927 reached a stage of 34.6 ft. Flood of Feb. 3, 1949, reached a stage of 31.35 ft, discharge, 220,000 ft^3/s by current-meter measurement, furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13500	e9000	e8400	12300	16700	10700	17800	35100	31300	13400	10500	9620
2	13600	e8400	e10000	11800	16700	12000	18800	35000	31400	13800	10800	9630
3	13600	e8500	e10900	11600	17700	14400	19700	35400	31300	14300	11800	9700
4	13300	e9600	e10500	11500	19000	15200	20200	35600	30800	14500	13000	9120
5	12600	e10800	e9600	11700	18800	14700	20500	35500	29800	14200	13700	8290
6	12000	e12000	8500	12200	17800	13700	20300	35400	28500	13700	13500	8010
7	12100	e12700	7650	12600	16700	12500	19800	35200	28600	12900	12700	8760
8	12300	e12800	7380	12700	15800	12500	18900	35200	29400	11900	12000	10300
9	12500	e12700	7990	12600	15200	14400	17700	35200	30200	10900	11900	11600
10	12600	e12300	8990	12300	14700	16900	16500	34900	30500	10300	12600	12400
11	12100	e12000	10500	12100	14100	18700	15500	35600	29900	10200	13500	11900
12	11100	e12100	11600	12000	13400	17900	14900	36100	29400	10000	13300	10900
13	10500	e12100	11500	11900	13000	16000	14700	35800	29000	9620	12300	10100
14	10700	e11800	10600	11700	12600	14200	14900	35400	28200	9270	11100	10400
15	11000	e11700	9560	11400	12000	12800	15100	34700	27100	9330	9860	10600
16	11200	e11600	8960	11100	11800	11700	15600	33900	25800	9320	9050	10400
17	11000	e11500	8740	11000	11900	10900	16400	33500	24400	9540	9350	9800
18	10600	e12300	9230	10900	11700	10300	17200	33200	22600	9730	10700	8970
19	9920	e13300	10500	10800	12300	9890	17600	33000	20500	9970	11700	8500
20	9260	e13700	13200	10900	13700	9630	17600	32400	18600	10600	11900	8610
21	8910	e12900	16600	11300	14200	9490	17600	31800	17000	11400	11400	8920
22	8730	e11500	20300	12800	14000	10100	17400	31400	16500	12200	11000	9140
23	8720	e10600	22600	14600	13400	12500	17200	31300	16700	12400	11500	9050
24	9040	e9800	23400	15600	12800	13500	17700	31300	16400	12000	12500	8870
25	9400	e10000	22500	15500	12300	13400	20700	31200	16700	11300	13300	8680
26	9350	e10100	20700	15500	11800	12900	26000	30900	16400	10700	13400	8770
27	e8800	e10700	18800	16100	11300	12500	30300	30500	15200	11400	12900	9270
28	e9000	e11300	17000	17500	11000	12400	32800	31500	14300	12400	12000	9930
29	e9300	e11100	15500	18300	10700	13400	34500	31800	14000	12300	10900	12700
30	e9400	e10000	14100	18200	---	14900	35100	31600	13400	11700	10200	19200
31	e9400	---	13100	17500	---	16400	---	31300	---	11000	9790	---
TOTAL	335530	338900	398900	408000	407100	410510	599000	1040700	713900	356280	364150	302140
MEAN	10820	11300	12870	13160	14040	13240	19970	33570	23800	11490	11750	10070
MAX	13600	13700	23400	18300	19000	18700	35100	36100	31400	14500	13700	19200
MIN	8720	8400	7380	10800	10700	9490	14700	30500	13400	9270	9050	8010
AC-FT	665500	672200	791200	809300	807500	814200	1188000	2064000	1416000	706700	722300	599300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

MEAN	12090	16260	24150	31710	37240	39950	42490	43840	27100	20090	16170	13040
MAX	30100	48890	67180	110000	107100	73060	75360	90730	73590	48560	48900	36450
(WY)	1950	1958	1952	1950	1950	1989	1957	1957	1957	1951	1957	1950
MIN	3715	3831	5260	6042	7974	13240	13230	10840	10110	7822	7112	4276
(WY)	1955	1955	1955	1964	1964	1996	1963	1963	1964	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	9921430		5675110			
ANNUAL MEAN	27180		15510		26960	
HIGHEST ANNUAL MEAN					51270	1950
LOWEST ANNUAL MEAN					12230	1963
HIGHEST DAILY MEAN	51200	Jan 29	36100	May 12	154000	Jan 19 1950
LOWEST DAILY MEAN	7380	Dec 8	7380	Dec 8	3230	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	8660	Dec 4	8660	Dec 4	3290	Sep 26 1954
INSTANTANEOUS PEAK FLOW			36200	May 12	154000	Jan 19-22 1950
INSTANTANEOUS PEAK STAGE			17.99	May 12	28.42	Jan 20-21 1950
INSTANTANEOUS LOW FLOW			7280	Dec 8	3230	[a]Sep 29 1954
ANNUAL RUNOFF (AC-FT)	19680000		11260000		19530000	
10 PERCENT EXCEEDS	43000		30800		54900	
50 PERCENT EXCEEDS	29100		12500		19900	
90 PERCENT EXCEEDS	10500		9310		8040	

[a]Also Sept. 30 to Oct. 1, and Oct. 29, 1954
[e]Estimated

07077380 CACHE RIVER AT EGYPT

LOCATION.--Lat 35°51'28", long 90°56'00", in NW1/4SE1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft above sea level (levels by U.S. Army Corps of Engineers).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	128	42	e240	53	e300	e680	e120	e330	154	2300	272
2	12	344	43	e600	38	e560	e590	e150	e240	150	2190	289
3	23	324	41	1440	35	e450	e410	e115	e180	121	1310	308
4	17	189	28	1400	44	e360	241	e95	e140	120	549	285
5	14	104	16	e1200	28	e310	158	e80	e110	140	325	263
6	8.5	74	12	e940	23	e350	110	e72	e100	145	221	228
7	11	1310	14	581	38	e300	74	e90	e150	157	163	187
8	9.6	2640	20	383	64	e248	64	e250	e250	221	148	186
9	6.8	1900	21	276	60	e200	61	e1300	e400	333	298	295
10	4.0	844	15	199	e75	e170	47	e2100	e700	305	439	409
11	2.5	1700	18	280	e90	e140	39	e2400	e520	206	403	342
12	1.7	2490	24	833	e105	e115	35	e1700	e400	179	386	266
13	1.1	2120	24	1040	e112	e98	77	e1400	e310	180	346	208
14	.88	1310	27	989	e100	e130	62	e1100	e240	195	286	155
15	.66	619	55	923	e95	e95	62	e830	e200	339	238	142
16	.35	407	51	867	e110	e65	50	e580	e170	416	206	701
17	.06	317	42	825	e130	e40	48	e350	e115	347	212	1770
18	.00	228	e540	789	e150	e25	34	e200	e100	224	243	1900
19	.00	161	e1500	952	e120	e24	31	e120	e95	150	237	1390
20	.00	105	3170	1040	e110	e26	82	e78	e90	114	226	991
21	.00	78	e2700	1020	e100	e28	186	e55	e115	119	237	747
22	.00	66	2160	1000	e95	e29	698	e38	166	242	248	732
23	.00	202	e1300	985	e90	e26	1280	e30	159	548	291	495
24	.00	565	433	1500	e85	e28	1880	21	152	586	308	336
25	.00	421	e330	1870	e80	e40	1980	21	145	502	316	258
26	.00	246	183	1560	e75	e110	1150	19	138	462	302	231
27	1300	156	e140	898	e100	e200	398	18	132	375	317	465
28	2520	106	98	464	e130	e250	204	142	126	290	283	1260
29	1310	71	85	286	e200	e454	e150	244	120	252	267	1390
30	483	55	e81	200	---	e680	e100	361	135	675	259	929
31	228	---	e80	147	---	e840	---	461	---	1540	256	---
TOTAL	5968.15	19280	13293	25727	2535	6691	10981	14540	6228	9787	13810	17430
MEAN	193	643	429	830	87.4	216	366	469	208	316	445	581
MAX	2520	2640	3170	1870	200	840	1980	2400	700	1540	2300	1900
MIN	.00	55	12	147	23	24	31	18	90	114	148	142
AC-FT	11840	38240	26370	51030	5030	13270	21780	28840	12350	19410	27390	34570
CFSM	.27	.92	.61	1.18	.12	.31	.52	.67	.30	.45	.64	.83
IN.	.32	1.02	.71	1.37	.13	.36	.58	.77	.33	.52	.73	.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	347	761	1314	1316	1263	1133	1306	1125	471	407	352	463
MAX	2437	2882	3547	4249	3552	3481	4759	4256	1177	1528	1100	1637
(WY)	1985	1973	1983	1991	1989	1989	1979	1973	1989	1976	1975	1965
MIN	12.5	8.23	45.0	11.8	65.0	111	75.2	84.9	29.2	102	85.8	75.1
(WY)	1995	1990	1977	1981	1996	1996	1981	1987	1988	1968	1968	1971

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	232407.65		146270.15			
ANNUAL MEAN	637		400		853	
HIGHEST ANNUAL MEAN					1762	1973
LOWEST ANNUAL MEAN					299	1972
HIGHEST DAILY MEAN	4160	May 3	3170	Dec 20	7940	Apr 25 1973
LOWEST DAILY MEAN	.00	Oct 18	.00	Oct 18	.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 18	.00	Oct 18	.00	Oct 14 1991
INSTANTANEOUS PEAK FLOW			3180	Dec 20	8490	Jan 6 1966
INSTANTANEOUS PEAK STAGE			16.19	Dec 20	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	461000		290100		617900	
ANNUAL RUNOFF (CFSM)	.91		.57		1.22	
ANNUAL RUNOFF (INCHES)	12.33		7.76		16.53	
10 PERCENT EXCEEDS	2140		1270		2660	
50 PERCENT EXCEEDS	274		199		293	
90 PERCENT EXCEEDS	18		22		40	

eEstimated

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966, 1976-79, February 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
FEB 14.	0745	80513	80020	100	6.07	151	7.5	5.5	11.6	K60	K45

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
FEB 14.	0745	42	0	9.7	4.2	12	36	0.8	3.2	55	45

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
FEB 14.	0745	5.9	9.3	<0.10	8.3	88	80	23.8	0.12	0.110

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB 14.	0745	0.010	0.120	0.120	0.020	1.6	0.48	1.6	0.50	0.250

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14.	0745	0.040	0.030	6.9	>4.0	140	8.0	185	50	99

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAR 13...	1100	80513	80020	98	6.05	166	7.6	8.5	11.1	140	<110
APR 09...	1410	80513	80020	68	5.72	111	7.6	12.0	11.2	--	--
MAY 07...	1700	80513	80020	90	5.98	100	7.4	22.5	7.7	--	--

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
MAR 13...	1100	51	0	12	5.1	11	30	0.7	3.7	--	66
APR 09...	1410	31	0	7.0	3.2	8.4	35	0.7	2.6	54	60
MAY 07...	1700	28	0	6.6	2.7	6.4	31	0.5	3.0	--	34

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
MAR 13...	1100	55	7.9	7.6	0.10	7.0	100	89	26.5	0.14	0.480
APR 09...	1410	54	8.5	6.7	0.20	9.1	71	77	13.0	0.10	--
MAY 07...	1700	30	8.0	5.6	0.10	8.8	62	61	15.1	0.08	0.570

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
MAR 13...	1100	0.020	0.500	0.500	0.110	1.4	0.49	1.5	0.60	0.280
APR 09...	1410	<0.010	0.280	0.280	<0.015	1.0	--	1.0	0.40	0.210
MAY 07...	1700	0.020	0.590	0.590	0.050	1.4	0.35	1.4	0.40	0.380

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
MAR 13...	1100	0.050	0.030	7.7	5.3	16	15	223	59	99
APR 09...	1410	0.040	0.020	5.2	3.8	15	7.0	123	23	94
MAY 07...	1700	0.040	0.040	5.5	4.6	41	9.0	265	64	98

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 17.	1045	80513	80020	115	6.36	254	7.9	28.5	6.4	87

DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUN 17.	1045	0	21	8.3	16	28	0.7	3.5	110	91

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUN 17.	1045	16	8.4	0.30	14	159	147	49.4	0.22	0.960

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUN 17.	1045	0.140	1.10	1.10	0.020	1.4	0.68	1.4	0.70	0.170

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
JUN 17.	1045	<0.010	0.020	6.3	2.1	16	25	131	41	97

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUL 23.	1430	80513	80020	632	9.50	297	7.7	27.0	4.5	110

DATE	TIME	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUL 23.	1430	0	28	10	14	21	0.6	2.8	143	118

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	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 DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUL 23.	1430	15	6.9	0.20	17	182	168	311	0.25	0.630

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUL 23.	1430	0.110	0.740	0.740	0.270	1.7	0.73	2.0	1.0	0.340

DATE	TIME	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)
JUL 23.	1430	0.070	0.090	4.9	2.1	8.0	13	400	683	96

07077380 CACHE RIVER AT EGYPT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 21...	0710	80513	80020	238	7.30	451	7.9	27.5	4.3	190

DATE	TIME	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
AUG 21...	0710	0	49	16	22	20	0.7	2.4	246	201

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
AUG 21...	0710	17	11	0.20	25	275	264	177	0.37	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG 21...	0710	0.060	0.060	<0.015	0.50	0.50	0.30	0.110	0.060

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
21...	0710	0.080	4.0	1.0	<3.0	2.3	108	69	98

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
SEP 18.	0755	80513	80020	1980	13.44	232	8.2	20.0	5.1	79

DATE	TIME	HARDNESS NONCARB DISSOLVD FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
SEP 18.	0755	1	20	7.1	13	24	0.6	7.5	95	81

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
SEP 18.	0755	10	13	0.10	15	141	134	754	0.19	0.300

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
SEP 18.	0755	0.010	0.310	0.310	0.060	1.1	0.54	1.2	0.60	0.290

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 18.	0755	0.120	0.150	7.5	2.7	30	10	190	1020	98

07077500 CACHE RIVER AT PATTERSON

LOCATION.--Lat 35°16'10", long 91°14'15", in SE1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi^2.

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

REMARKS.--Discharge computed by U. S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
16...	1210	80513	80513	110	1.00	2.00	498
16...	1211	80513	80513	110	2.50	5.00	--
16...	1213	80513	80513	110	3.50	7.00	--
16...	1214	80513	80513	110	4.00	8.00	--
16...	1216	80513	80513	110	5.00	10.0	--
16...	1217	80513	80513	110	5.00	10.0	--
16...	1219	80513	80513	110	5.00	10.0	--
16...	1220	80513	80513	110	3.50	7.00	--
16...	1222	80513	80513	110	3.00	6.00	--
16...	1223	80513	80513	110	2.00	4.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
16...	1210	143	7.3	5.5	12.5	100	758
16...	1211	143	7.2	5.5	11.4	91	758
16...	1213	143	7.2	5.5	11.4	90	758
16...	1214	143	7.1	5.5	11.3	90	758
16...	1216	143	7.2	5.5	11.2	89	758
16...	1217	143	7.2	5.5	11.4	91	758
16...	1219	143	7.2	5.5	11.4	90	758
16...	1220	144	7.2	5.5	11.2	89	758
16...	1222	144	7.2	5.5	11.5	91	758
16...	1223	144	7.2	5.5	11.2	89	758

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN										
26...	0820	80513	81213	828	125	7.1	758	4.0	10.7	82
FEB										
14...	1045	80513	81213	144	159	7.1	756	6.0	10.1	82
APR										
03...	1055	80513	81213	577	114	7.2	763	12.5	8.3	78
25...	1015	80513	81213	407	124	7.4	756	19.0	6.2	67
JUN										
04...	0950	80513	81213	1500	120	7.9	765	21.0	5.5	62
AUG										
12...	1200	80513	81213	405	338	7.3	754	26.5	5.5	69

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN										
26...	0820	K220	K110	1700	34	7.8	3.4	10	36	0.8
FEB										
14...	1045	130	K72	200	47	11	4.6	11	32	0.7
APR										
03...	1055	280	340	910	31	7.4	3.0	7.6	32	0.6
25...	1015	500	K230	630	37	9.0	3.5	7.9	29	0.6
JUN										
04...	0950	420	420	1500	--	9.0	--	7.1	--	--
AUG										
12...	1200	K89	K67	K140	140	36	12	16	20	0.6

07077500 CACHE RIVER AT PATTERSON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
JAN										
26...	0820	3.6	33	11	8.1	0.10	9.9	80	76	0.11
FEB										
14...	1045	4.1	23	11	9.5	0.10	9.5	116	76	0.16
APR										
03...	1055	3.2	36	9.2	6.4	0.10	6.6	84	70	0.11
25...	1015	3.5	35	8.8	6.7	0.20	7.9	86	72	0.12
JUN										
04...	0950	3.9	41	11	5.9	0.10	9.8	92	--	--
AUG										
12...	1200	3.1	14	15	8.3	0.20	22	218	123	0.30

DATE	TIME	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JAN										
26...	0820	179	0.310	0.310	1.4	0.010	0.03	0.320	0.320	0.060
FEB										
14...	1045	45.1	0.210	0.210	0.93	0.010	0.03	0.220	0.220	0.210
APR										
03...	1055	131	0.910	0.910	4.0	0.020	0.07	0.930	0.930	0.130
25...	1015	94.5	0.420	0.420	1.9	0.010	0.03	0.430	0.430	0.070
JUN										
04...	0950	--	1.01	1.01	4.5	0.090	0.30	1.10	1.10	0.080
AUG										
12...	1200	238	0.400	--	--	<0.010	--	0.400	0.400	0.024

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
JAN										
26...	0820	0.08	0.51	0.57	0.89	0.050	0.15	20	34	<0.50
FEB										
14...	1045	0.27	0.49	0.70	0.92	0.030	0.09	20	48	<0.50
APR										
03...	1055	0.17	0.65	0.78	1.7	0.030	0.09	20	36	<0.50
25...	1015	0.09	0.55	0.62	1.0	0.510	1.6	30	45	<0.50
JUN										
04...	0950	0.10	0.60	0.68	1.8	0.060	0.18	26	48	<0.50
AUG										
12...	1200	0.03	0.39	0.41	0.81	0.070	0.21	41	120	<0.50

DATE	TIME	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
JAN										
26...	0820	<1.0	<5.0	<3.0	<10	140	<10	<4	4.0	<10
FEB										
14...	1045	<1.0	<5.0	<3.0	<10	34	<10	<4	44	<10
APR										
03...	1055	<1.0	<5.0	<3.0	<10	78	<10	<4	8.9	<10
25...	1015	<1.0	<5.0	<3.0	<10	40	<10	<4	15	<10
JUN										
04...	0950	<0.50	<1.0	<3.0	1.8	30	<1.0	1	7.3	<2.0
AUG										
12...	1200	<0.50	<1.0	<3.0	<1.0	4.0	<1.0	<1	14	2.1

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN									
26...	0820	<10	<1.0	40	<6	<4.0	453	1010	99
FEB									
14...	1045	<10	<1.0	60	<6	<4.0	219	85	100
APR									
03...	1055	<10	<1.0	40	<6	<4.0	366	570	99
25...	1015	<10	<1.0	50	<6	<4.0	388	426	98
JUN									
04...	0950	1.2	<1.0	50	1	<1.0	221	892	98
AUG									
12...	1200	1.2	<1.0	170	3	<1.0	96	105	94

07077555 CACHE RIVER NEAR COTTON PLANT

LOCATION.--Lat 35°02'07", long 91°19'19", in SE1/4SW1/4 sec.21, T.5 N.,R.3 W., Woodruff County, Hydrologic Unit 08020302, on left bank on downstream side of bridge on county road, 1.4 mi upstream from Roaring Slough, and 4.2 mi northwest of Cotton Plant.

DRAINAGE AREA.--1,172 mi^2, of which an estimated 20 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1987 to current year.

REVISED RECORDS.--WRD ARKANSAS 1989: 1988(M).

GAGE.--Water-stage recorder. Datum of gage is 164.17 ft above sea level. Nonrecording gage Oct. 10, 1989 to Sept. 27, 1990 at same site and datum.

REMARKS.--Water-discharge records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	38	278	1530	1200	612	600	1100	147	163	523	323
2	511	93	278	1430	1260	547	635	1190	258	164	530	375
3	414	182	289	1270	1280	454	631	1190	442	170	556	412
4	313	286	283	1100	1280	366	629	1180	672	156	579	387
5	230	425	253	900	1260	315	627	1140	886	146	595	360
6	182	532	209	748	1110	314	600	1120	1050	151	624	338
7	181	585	167	684	901	335	601	1150	1130	151	694	326
8	190	585	139	616	775	340	582	e1200	1170	156	821	321
9	178	539	132	654	644	318	554	e1240	1230	166	974	317
10	152	480	119	763	487	275	525	e1310	1200	158	1050	309
11	125	458	103	894	333	227	474	e1360	1150	159	1040	299
12	104	496	92	987	227	193	404	1330	1120	166	963	286
13	86	584	87	1010	177	198	383	1250	1170	181	840	269
14	72	704	79	970	155	241	366	1150	1290	195	716	249
15	62	881	72	886	151	301	349	1030	1450	218	597	235
16	54	1060	67	782	159	341	351	926	1550	233	498	318
17	49	1180	67	685	174	333	340	845	1570	248	432	412
18	44	1290	100	645	183	291	299	819	1540	271	404	417
19	41	1410	150	672	207	273	243	860	e1430	291	393	407
20	37	1480	160	735	268	247	226	935	1330	310	384	408
21	34	1500	191	796	271	212	316	978	1170	333	370	428
22	31	1490	263	859	245	184	529	955	e1000	355	346	450
23	30	1450	386	862	228	166	700	877	826	397	325	493
24	30	1360	551	827	243	155	751	761	668	417	314	565
25	30	1220	747	797	314	187	759	620	505	409	306	636
26	32	1050	1020	819	414	221	707	450	367	406	303	720
27	38	872	1280	868	498	258	620	302	271	429	305	849
28	39	684	1490	913	585	298	591	310	203	467	316	959
29	36	491	1580	944	631	332	726	302	176	482	309	985
30	34	334	1610	1010	---	333	930	225	167	497	310	965
31	34	---	1590	1100	---	515	---	160	---	518	315	---
TOTAL	3999	23739	13832	27756	15660	9382	16048	28265	27138	8563	16732	13818
MEAN	129	791	446	895	540	303	535	912	905	276	540	461
MAX	606	1500	1610	1530	1280	612	930	1360	1570	518	1050	985
MIN	30	38	67	616	151	155	226	160	147	146	303	235
AC-FT	7930	47090	27440	55050	31060	18610	31830	56060	53830	16980	33190	27410
CFSM	.11	.68	.38	.76	.46	.26	.46	.78	.77	.24	.46	.39
IN.	.13	.75	.44	.88	.50	.30	.51	.90	.86	.27	.53	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	578	1067	2409	2628	2618	2069	1762	1295	644	684	552	467
MAX	2067	2626	4762	6779	5238	5759	3252	3595	1342	1413	953	748
(WY)	1991	1992	1994	1991	1989	1989	1991	1991	1989	1994	1992	1991
MIN	55.9	86.8	44.9	744	540	303	515	217	116	274	348	201
(WY)	1988	1990	1990	1990	1996	1996	1995	1987	1988	1990	1990	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	324610		204932			
ANNUAL MEAN	889		560		1409	
HIGHEST ANNUAL MEAN					2356	1989
LOWEST ANNUAL MEAN					560	1996
HIGHEST DAILY MEAN	3930	Jan 30	1610	Dec 30	9770	Dec 28 1987
LOWEST DAILY MEAN	30	Oct 23	30	Oct 23	25	Oct 22 1987
ANNUAL SEVEN-DAY MINIMUM	32	Oct 20	32	Oct 20	26	Oct 19 1987
INSTANTANEOUS PEAK FLOW			1610	Dec 30	9950	Dec 28 1987
INSTANTANEOUS PEAK STAGE			13.10	Dec 30	[a]20.22	Dec 28 1987
INSTANTANEOUS LOW FLOW			30	Oct 23-25	25	Oct 22 1987
ANNUAL RUNOFF (AC-FT)	643900		406500		1021000	
ANNUAL RUNOFF (CFSM)	.76		.48		1.20	
ANNUAL RUNOFF (INCHES)	10.30		6.50		16.33	
10 PERCENT EXCEEDS	2110		1190		3400	
50 PERCENT EXCEEDS	661		426		725	
90 PERCENT EXCEEDS	147		149		138	

[a]From floodmark
[e]Estimated

07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

WATER-QUALITY ECORDS

PERIOD OF RECORD.--April 1987 to September 1990, November 1992 to June 1993, October 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
FEB 14.	1410	80513	80020	152	5.09	173	7.3	7.5	9.3	140	110

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
FEB 14.	1410	58	1	15	5.1	9.5	25	0.5	3.9	70

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
FEB 14.	1410	57	8.7	8.1	<0.10	13	106	99	43.5	0.14

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS, (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB 14.	1410	<0.010	0.220	0.220	0.140	1.2	0.36	1.3	0.50	0.320

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 14.	1410	0.040	0.030	5.8	>3.3	25	140	176	72	100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)
MAR 13...	1445	80513	80020	202	5.55	178	7.4	11.0	9.6	95	88
APR 10...	0830	80513	80020	526	7.69	121	7.3	11.0	9.0	--	--
MAY 06...	0915	80513	80020	1120	10.78	119	7.0	22.5	4.8	550	--

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
MAR 13...	1445	--	59	0	15	5.2	10	26	0.6	3.6	75
APR 10...	0830	--	34	3	8.2	3.3	8.2	32	0.6	3.1	38
MAY 06...	0915	450	36	4	9.0	3.3	7.4	28	0.5	3.8	39

DATE	TIME	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
MAR 13...	1445	62	7.9	7.9	0.10	11	109	100	59.4	0.15	0.450
APR 10...	0830	31	9.1	6.1	0.20	7.8	79	67	112	0.11	--
MAY 06...	0915	33	8.9	6.2	0.10	10	82	70	248	0.11	0.370

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
MAR 13...	1445	0.020	0.470	0.470	0.060	1.2	0.44	1.3	0.50	0.320
APR 10...	0830	<0.010	0.590	0.590	0.020	1.7	0.48	1.7	0.50	0.430
MAY 06...	0915	0.010	0.380	0.380	0.070	1.5	0.53	1.6	0.60	0.460

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 13...	1445	0.060	0.040	6.5	4.0	45	110	186	101	99
APR 10...	0830	0.040	0.020	7.3	3.0	15	28	349	496	91
MAY 06...	0915	0.060	0.070	7.6	5.3	63	31	283	856	98

07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
JUN 17.	1430	80513	80020	1570	12.77	123	7.0	25.5	4.6	39
JUL 25.	0930	80513	80020	410	6.78	377	7.9	27.0	5.7	140

DATE	TIME	HARDNESS NONCARB DISSOLVED, AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
JUN 17.	1430	0	9.9	3.5	7.4	27	0.5	3.6	52	44
JUL 25.	0930	0	34	13	20	23	0.7	3.4	181	148

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
JUN 17.	1430	9.0	5.5	0.20	11	82	78	348	0.11	--
JUL 25.	0930	25	10	0.20	13	230	209	255	0.31	0.140

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
JUN 17.	1430	<0.010	0.440	0.440	0.040	1.1	0.36	1.1	0.40	0.260
JUL 25.	0930	0.020	0.160	0.160	0.040	1.1	0.36	1.1	0.40	0.130

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUN 17.	1430	0.040	0.060	7.2	3.1	23	22	157	666	97
JUL 25.	0930	0.020	0.040	5.5	2.0	5.0	62	98	108	92

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 19.	1015	80513	80020	393	6.66	362	7.7	26.5	4.3	150
SEP 16.	1050	80513	80020	306	6.06	407	8.0	22.5	6.5	160

DATE	TIME	HARDNESS NONCARB DISSOLVED, AS CACO3 (MG/L) (00904)	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)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
AUG 19.	1015	0	37	13	17	20	0.6	3.0	184	150
SEP 16.	1050	0	42	14	21	22	0.7	3.4	222	181

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
AUG 19.	1015	17	9.2	0.20	20	221	208	235	0.30	<0.010
SEP 16.	1050	16	14	0.20	19	237	240	196	0.32	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG 19.	1015	0.100	0.100	<0.015	0.70	--	0.70	0.40	0.140	0.060
SEP 16.	1050	0.130	0.130	0.020	0.58	0.28	0.60	0.30	0.170	0.070

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 19.	1015	0.070	5.0	2.4	5.0	39	82	87	100
SEP 16.	1050	0.100	4.6	1.8	5.0	35	85	70	98

07077700 BAYOU DEVIEW AT MORTON

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV										
08...	0930	80513	81213	639	203	7.3	772	11.0	7.8	69

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
NOV										
08...	0930	>2000	>2000	64	16	5.9	8.8	20	0.5	8.5

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV										
08...	0930	50	20	14	0.10	8.2	120	115	0.16	207

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
NOV										
08...	0930	0.590	0.590	2.6	0.020	0.07	0.610	0.610	0.010	0.01

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
NOV										
08...	0930	0.45	0.46	1.1	0.160	0.49	30	53	<0.50	<1.0

DATE	TIME	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
NOV									
08...	0930	<5.0	<3.0	<10	29	<10	<4	22	<10

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
08...	0930	<10	<1.0	70	<6	<4.0	272	469	99

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
DEC							
04...	1050	80513	80513	200	0.30	0.60	270
04...	1052	80513	80513	200	0.30	0.60	250
04...	1053	80513	80513	200	0.50	1.00	230
04...	1057	80513	80513	200	0.60	1.20	210
04...	1059	80513	80513	200	0.70	1.40	190
04...	1100	80513	80513	200	0.50	1.00	170
04...	1101	80513	80513	200	0.70	1.40	150
04...	1103	80513	80513	200	0.70	1.40	130
04...	1105	80513	80513	200	0.40	0.80	110
04...	1106	80513	80513	200	0.20	0.40	90.0

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
04...	1050	227	6.5	9.5	5.6	49	769
04...	1052	230	6.6	9.5	5.6	49	769
04...	1053	227	6.7	9.5	5.6	48	769
04...	1057	229	6.7	9.5	5.4	47	769
04...	1059	228	6.7	9.5	5.5	48	769
04...	1100	228	6.8	9.5	5.8	51	769
04...	1101	228	6.8	9.5	5.8	50	769
04...	1103	229	6.8	9.5	6.0	52	769
04...	1105	243	6.8	10.0	6.2	55	769
04...	1106	228	6.8	10.0	6.3	56	769

07077700 BAYOU DEVIEW AT MORTON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN 16...	1310	80513	81213	108	199	7.8	758	6.0	10.1	81
FEB 28...	1315	80513	81213	455	180	7.0	760	13.5	6.8	65
MAY 01...	0945	80513	81213	998	103	7.1	759	16.0	5.4	55
JUN 06...	0920	80513	81213	95	216	7.1	762	24.0	3.4	40

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
JAN 16...	1310	K230	K590	53	14	4.4	12	30	0.7	5.6
FEB 28...	1315	>2000	>10000	58	15	4.9	10	25	0.6	5.7
MAY 01...	0945	1600	3400	28	7.1	2.6	5.9	28	0.5	3.8
JUN 06...	0920	150	430	72	19	6.0	10	22	0.5	4.8

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
JAN 16...	1310	45	19	16	0.10	9.0	140	110	0.19	40.8
FEB 28...	1315	47	14	11	0.20	9.4	132	101	0.18	162
MAY 01...	0945	29	12	6.0	0.10	6.8	80	64	0.11	216
JUN 06...	0920	55	26	9.6	0.20	9.5	142	123	0.19	36.4

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
JAN 16...	1310	0.600	0.600	2.7	0.010	0.03	0.610	0.610	0.130	0.17
FEB 28...	1315	0.290	0.290	1.3	0.020	0.07	0.310	0.310	0.310	0.40
MAY 01...	0945	0.480	0.480	2.1	0.020	0.07	0.500	0.500	0.080	0.10
JUN 06...	0920	0.650	0.650	2.9	0.110	0.36	0.760	0.760	0.500	0.64

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BORON, DISSOLVED (UG/L AS B) (01020)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
JAN 16...	1310	0.68	0.81	1.4	0.110	0.34	20	36	<0.50	<1.0
FEB 28...	1315	0.99	1.3	1.6	0.060	0.18	30	46	<0.50	<1.0
MAY 01...	0945	0.56	0.64	1.1	0.070	0.21	30	34	<0.50	<1.0
JUN 06...	0920	0.60	1.1	1.9	0.040	0.12	28	69	<0.50	<0.50

DATE	TIME	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
JAN 16...	1310	<5.0	<3.0	<10	52	<10	<4	40	<10
FEB 28...	1315	<5.0	<3.0	<10	66	<10	<4	19	<10
MAY 01...	0945	<5.0	<3.0	<10	80	<10	<4	13	<10
JUN 06...	0920	<1.0	<3.0	<1.0	8.0	<1.0	1	260	<2.0

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 16...	1310	<10	<1.0	50	<6	<4.0	218	64	94
FEB 28...	1315	<10	<1.0	60	<6	<4.0	194	238	99
MAY 01...	0945	<10	<1.0	30	<6	<4.0	473	1270	99
JUN 06...	0920	<1.0	<1.0	80	2	<1.0	243	62	99

07194800 ILLINOIS RIVER AT SAVOY

LOCATION.--Lat 36°06'11", long 94°20'39", in NW1/4SE1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of State Highway 16 bridge, at Savoy

DRAINAGE AREA.--167 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1430	80513	80513	13	305	8.5	726	19.0	8.5
JAN									
24...	1530	80513	80513	280	180	8.3	738	4.5	12.5

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1430	96	460	180	200	30	1.1	99
JAN								
24...	1530	101	760	>1200	>1200	40	30	94

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
31...	1002	80513	80513	60.0	0.30	0.30	70
31...	1003	80513	80513	60.0	0.30	0.30	--
31...	1004	80513	80513	60.0	0.30	0.30	--
31...	1005	80513	80513	60.0	0.40	0.40	--
31...	1006	80513	80513	60.0	0.30	0.30	--
31...	1007	80513	80513	60.0	0.50	0.50	--
31...	1008	80513	80513	60.0	0.50	0.50	--
31...	1009	80513	80513	60.0	0.60	0.60	--
31...	1010	80513	80513	60.0	0.40	0.40	--
31...	1011	80513	80513	60.0	0.40	0.40	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1002	245	8.0	1.0	15.0	109	742
31...	1003	246	8.0	1.0	12.1	87	742
31...	1004	244	7.8	1.0	12.1	87	742
31...	1005	245	7.8	1.0	12.3	89	742
31...	1006	245	7.8	1.0	12.2	89	742
31...	1007	245	7.8	1.0	12.5	91	742
31...	1008	245	7.8	1.0	12.3	90	742
31...	1009	245	7.8	1.0	12.5	91	742
31...	1010	245	7.8	1.0	12.4	90	742
31...	1011	245	7.8	1.5	12.7	92	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1230	80513	80513	15	278	7.8	734	9.0	14.1
MAY									
21...	1130	80513	80513	88	272	8.2	732	21.0	8.2
JUL									
24...	0845	80513	80513	13	270	>8.4	734	25.5	5.3
AUG									
29...	0900	80513	80513	19	282	8.0	737	23.5	6.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1230	127	K4	K17	K7	32	1.3	79
MAY								
21...	1130	96	470	540	K170	97	23	43
JUL								
24...	0845	67	200	190	1400	40	1.4	91
AUG								
29...	0900	76	130	100	530	36	1.8	97

07195000 OSAGE CREEK NEAR ELM SPRINGS

LOCATION.--Lat 36°13'19", long 94°17'18", in SW1/4NE1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to September 1975, July 1995 to current year. October 1976 to September 1979 a crest-stage partial-record station. Occasional discharge measurements 1977-79 and 1982-95. Monthly discharge only for some periods, published in WSP 1731.

REVISED RECORDS.--(WATER YEARS).--WRD Ark.1970: Drainage area. WRD Ark. 1974: 1969.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1979 water stage recorder about 400 ft downstream at present datum. Altitude of gage is 1,052 ft by barometer.

REMARKS.--Water-discharge records good, except estimated daily discharges, June 14 to July 4 which are fair. Low flow slightly regulated by operation of small lake at Cave Springs, and northwest Arkansas sewage treatment plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	85	60	74	114	58	101	119	233	e86	60	36
2	138	75	51	75	103	48	91	112	141	e85	60	35
3	97	67	56	77	97	57	88	108	110	e81	51	42
4	95	55	62	92	97	63	102	98	98	e89	43	49
5	85	65	58	84	102	58	87	90	92	98	49	46
6	79	134	57	71	104	58	78	131	116	78	54	46
7	66	98	73	72	106	58	70	112	105	67	52	41
8	73	85	67	75	103	53	72	100	88	67	51	36
9	77	90	51	75	95	48	72	95	79	69	50	42
10	78	120	55	83	84	54	68	120	81	67	43	43
11	79	84	60	91	81	60	67	280	e74	80	36	43
12	78	82	62	87	97	61	90	151	75	78	44	46
13	69	82	59	80	94	61	112	132	73	66	47	44
14	60	77	61	81	90	154	70	140	e76	57	45	39
15	65	75	58	83	89	115	69	130	e73	61	44	68
16	70	74	212	83	84	86	71	121	e72	62	43	89
17	72	69	195	867	76	81	68	113	e71	61	63	65
18	75	58	392	313	81	96	66	99	e78	58	69	59
19	78	62	177	233	87	84	61	85	e115	56	54	55
20	70	70	140	197	86	78	55	91	e175	50	54	57
21	61	69	117	183	86	75	49	91	e129	43	55	44
22	66	92	101	193	86	68	345	89	e115	49	54	37
23	74	64	83	191	78	62	430	84	e105	58	53	47
24	76	60	75	167	72	73	233	81	e101	60	47	118
25	80	55	75	158	81	72	192	71	e103	69	41	74
26	128	62	83	141	85	76	164	65	e99	59	46	2380
27	78	68	74	125	84	153	144	100	e94	52	54	515
28	63	66	76	128	81	165	138	82	e92	43	51	250
29	65	65	79	128	64	117	133	79	e90	48	51	180
30	72	64	68	119	---	90	129	76	e86	72	49	148
31	81	---	59	119	---	111	---	97	---	66	45	---
TOTAL	2445	2272	2896	4545	2587	2493	3515	3342	3039	2035	1558	4774
MEAN	78.9	75.7	93.4	147	89.2	80.4	117	108	101	65.6	50.3	159
MAX	138	134	392	867	114	165	430	280	233	98	69	2380
MIN	60	55	51	71	64	48	49	65	71	43	36	35
AC-FT	4850	4510	5740	9020	5130	4940	6970	6630	6030	4040	3090	9470
CFSM	.61	.58	.72	1.13	.69	.62	.90	.83	.78	.50	.39	1.22
IN.	.70	.65	.83	1.30	.74	.71	1.01	.96	.87	.58	.45	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

MEAN	73.0	111	93.5	93.5	125	150	164	194	150	98.2	65.7	63.8
MAX	310	474	390	373	457	538	533	972	693	281	244	214
(WY)	1971	1974	1974	1969	1951	1975	1957	1961	1974	1968	1961	1975
MIN	13.2	23.3	20.9	20.4	23.8	24.5	20.8	40.2	25.0	14.2	11.3	12.4
(WY)	1957	1956	1956	1956	1964	1956	1956	1964	1954	1954	1954	1956

SUMMARY STATISTICS	FOR 1996 WATER YEAR		WATER YEARS 1951 - 1975,1996	
ANNUAL TOTAL	35501			
ANNUAL MEAN	97.0		115	
HIGHEST ANNUAL MEAN			236	1974
LOWEST ANNUAL MEAN			29.1	1956
HIGHEST DAILY MEAN	2380	Sep 26	6540	May 19 1961
LOWEST DAILY MEAN	35	Sep 2	5.3	Sep 5 1954
ANNUAL SEVEN-DAY MINIMUM	42	Sep 8	6.1	Aug 31 1954
INSTANTANEOUS PEAK FLOW	6360	Sep 26	[a]22500	May 19 1961
INSTANTANEOUS PEAK STAGE	11.27	Sep 26	16.66	May 19 1961
INSTANTANEOUS LOW FLOW	28	Sep 2	4.7	Sep 4-6 1954
ANNUAL RUNOFF (AC-FT)	70420		83140	
ANNUAL RUNOFF (CFSM)	.75		.88	
ANNUAL RUNOFF (INCHES)	10.16		11.99	
10 PERCENT EXCEEDS	138		204	
50 PERCENT EXCEEDS	76		68	
90 PERCENT EXCEEDS	49		25	

[a]From rating curve extended above 11,000 ft^3/s on basis of slope-area measurement of peak flow
[e]Estimated

07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

LOCATION.--Lat 36°13'19", long 94°17'18", in SW1/4NE1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1330	80513	80513	98	380	8.5	726	17.5	9.7
JAN									
24...	1400	80513	80513	160	320	8.6	744	7.5	11.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1330	107	320	70	160	38	10	99
JAN								
24...	1400	101	K39	70	K67	46	20	91

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
31...	1129	80513	80513	50.0	0.10	0.10	110
31...	1130	80513	80513	50.0	0.10	0.10	--
31...	1131	80513	80513	50.0	0.10	0.10	--
31...	1132	80513	80513	50.0	0.20	0.20	--
31...	1133	80513	80513	50.0	0.20	0.20	--
31...	1134	80513	80513	50.0	0.40	0.40	--
31...	1135	80513	80513	50.0	0.30	0.30	--
31...	1136	80513	80513	50.0	0.30	0.30	--
31...	1137	80513	80513	50.0	0.10	0.10	--
31...	1138	80513	80513	50.0	0.10	0.10	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	1129	389	8.6	2.0	14.5	107	742
31...	1130	389	8.5	2.0	11.8	87	742
31...	1131	388	8.3	2.0	10.8	81	742
31...	1132	388	8.2	2.0	11.9	89	742
31...	1133	388	8.2	2.0	12.4	92	742
31...	1134	388	8.1	2.0	12.5	93	742
31...	1135	387	8.2	2.0	12.6	94	742
31...	1136	388	8.2	2.0	12.7	95	742
31...	1137	388	8.2	2.0	12.4	93	742
31...	1138	387	8.2	2.0	12.9	96	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1345	80513	80513	57	370	8.5	732	11.5	11.3
MAY									
21...	1245	80513	80513	62	406	8.4	732	21.5	7.4
JUL									
23...	1300	80513	80513	45	405	8.7	735	25.5	7.2
AUG									
28...	1300	80513	80513	46	432	8.7	736	23.5	8.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1345	108	K35	K60	K36	43	6.6	91
MAY								
21...	1245	87	490	160	200	59	9.9	94
JUL								
23...	1300	92	340	310	390	36	4.4	87
AUG								
28...	1300	109	250	190	520	43	5.3	98

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS

LOCATION.--Lat 36°06'31", long 94°32'00", in SE1/4NE1/4 sec.31, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 59, 5.0 mi south of Siloam Springs, and 0.6 mi downstream from mouth of Cincinnati Creek.

DRAINAGE AREA.--575 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to current year. Occasional low-flow measurements in 1971.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Water-discharge records good, except those above 800 ft^3/s which are fair. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 3, 1990, reached a stage of 25.4 ft, from floodmarks, discharge 66,000 ft^3/s from rating curve extended above 400 ft^3/s on basis of contracted-opening measurement of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	157	147	220	327	192	464	491	447	136	133	103
2	232	167	147	230	316	188	412	440	570	133	126	101
3	295	163	144	249	302	181	376	406	399	131	120	95
4	260	156	140	246	302	175	392	383	367	146	112	94
5	216	152	143	254	292	182	436	356	315	229	104	95
6	196	150	142	269	264	181	388	523	293	190	101	91
7	185	173	141	260	272	176	358	648	322	158	100	89
8	175	220	152	242	284	172	334	478	270	145	101	87
9	165	181	171	249	280	170	317	397	242	143	99	83
10	166	171	157	246	272	167	304	1070	227	142	96	81
11	164	197	147	252	257	164	290	5200	217	154	94	80
12	163	208	149	358	243	168	282	1740	205	180	93	82
13	159	189	151	375	242	170	874	1070	195	166	95	83
14	154	180	150	348	241	172	634	840	188	152	93	84
15	150	171	147	324	238	182	482	715	182	301	92	92
16	148	161	149	302	225	240	409	606	171	220	91	190
17	149	158	177	288	217	217	367	524	161	171	104	170
18	149	156	506	2740	211	196	335	459	160	152	169	142
19	147	150	751	1860	207	214	312	405	271	140	152	132
20	154	145	582	988	209	208	291	368	318	131	125	126
21	156	143	434	726	208	193	271	341	233	121	114	122
22	149	145	370	611	205	187	3080	315	197	114	110	112
23	143	167	329	566	207	185	4840	298	178	115	115	107
24	144	183	294	662	203	181	1990	277	161	124	113	154
25	150	163	268	557	196	184	1260	256	159	121	111	211
26	154	157	251	501	198	187	865	237	158	117	112	4330
27	174	152	242	454	202	195	682	260	154	111	153	10600
28	198	153	235	410	199	348	605	290	190	105	152	1680
29	165	152	226	388	196	609	604	245	168	102	136	1060
30	153	149	227	370	---	489	562	224	147	170	119	747
31	153	---	226	345	---	463	---	256	---	152	108	---
TOTAL	5376	4969	7495	15890	7015	6936	22816	20118	7265	4672	3543	21223
MEAN	173	166	242	513	242	224	761	649	242	151	114	707
MAX	295	220	751	2740	327	609	4840	5200	570	301	169	10600
MIN	143	143	140	220	196	164	271	224	147	102	91	80
AC-FT	10660	9860	14870	31520	13910	13760	45260	39900	14410	9270	7030	42100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

MEAN	173	166	242	513	242	224	761	649	242	151	163	445
MAX	173	166	242	513	242	224	761	649	242	151	212	707
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995	1996
MIN	173	166	242	513	242	224	761	649	242	151	114	182
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1995

SUMMARY STATISTICS	FOR 1996 WATER YEAR		WATER YEARS 1995 - 1996	
ANNUAL TOTAL	127318			
ANNUAL MEAN	348		348	
HIGHEST ANNUAL MEAN			348	1996
LOWEST ANNUAL MEAN			348	1996
HIGHEST DAILY MEAN	10600	Sep 27	10600	Sep 27 1996
LOWEST DAILY MEAN	80	Sep 11	80	Sep 11 1996
ANNUAL SEVEN-DAY MINIMUM	83	Sep 8	83	Sep 8 1996
INSTANTANEOUS PEAK FLOW	[a]23300	Sep 27	[a]23300	Sep 27 1996
INSTANTANEOUS PEAK STAGE	18.19	Sep 27	18.19	Sep 27 1996
INSTANTANEOUS LOW FLOW	78	Sep 11	78	Sep 11 1996
ANNUAL RUNOFF (AC-FT)	252500		252000	
10 PERCENT EXCEEDS	534		490	
50 PERCENT EXCEEDS	191		194	
90 PERCENT EXCEEDS	112		118	

[a]From rating curve extended above 400 ft^3/s on basis of contracted-opening measurement of peak flow

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
05...	1030	80513	81213	225	312	8.1	728	17.0	7.7	83
JAN										
24...	1115	80513	81213	720	298	8.0	740	5.5	11.2	91

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
05...	1030	87	58	94	120	44	1.9	13	19
JAN									
24...	1115	K180	370	3300	110	40	2.1	7.2	12

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
05...	1030	0.5	4.4	12	15	194	28	17	99
JAN									
24...	1115	0.3	3.0	13	9.6	166	30	58	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
31...	0838	80513	80513	100	2.00	4.00	5.00	350
31...	0839	80513	80513	100	2.00	4.00	15.0	--
31...	0841	80513	80513	100	1.50	3.00	25.0	--
31...	0842	80513	80513	100	1.50	3.00	35.0	--
31...	0843	80513	80513	100	1.50	3.00	45.0	--
31...	0845	80513	80513	100	1.50	3.00	55.0	--
31...	0846	80513	80513	100	1.50	3.00	65.0	--
31...	0847	80513	80513	100	1.00	2.00	75.0	--
31...	0848	80513	80513	100	1.50	3.00	85.0	--
31...	0849	80513	80513	100	0.50	1.00	95.0	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	0838	292	5.3	3.0	12.1	92	742
31...	0839	292	5.9	3.0	12.6	96	742
31...	0841	292	6.5	3.0	12.1	92	742
31...	0842	292	6.7	3.0	12.4	95	742
31...	0843	292	6.8	3.0	12.1	92	742
31...	0845	292	7.1	3.0	12.2	93	742
31...	0846	292	7.2	3.0	12.1	92	742
31...	0847	292	7.3	3.0	12.1	92	742
31...	0848	293	7.4	3.0	12.1	92	742
31...	0849	294	7.4	2.5	11.9	91	742

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR										
13...	1000	80513	81213	130	338	7.5	733	9.5	10.3	93
MAY										
22...	0930	80513	81213	390	301	7.9	735	21.0	6.6	77
JUL										
24...	1100	80513	81213	117	340	8.7	737	27.0	6.4	83
AUG										
29...	1000	80513	81213	130	356	8.7	740	24.0	6.1	75

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR									
13...	1000	K17	K27	K60	130	48	1.9	15	20
MAY									
22...	0930	210	140	240	120	44	1.9	8.9	14
JUL									
24...	1100	56	K38	62	130	49	1.9	17	21
AUG									
29...	1000	74	64	190	130	49	2.0	21	25

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	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)
MAR 13...	1000	0.6	3.3	14	17	188	19	6.7	69
MAY 22...	0930	0.4	3.3	10	11	184	38	40	85
JUL 24...	1100	0.6	4.5	13	18	198	37	12	83
AUG 29...	1000	0.8	4.8	20	22	210	39	14	96

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN
(National Water-Quality Assessment Station)

LOCATION.--Lat 36°16'39", long 94°24'34", in NW1/4 sec.5, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, near Springtown.

PERIOD OF RECORD.--Water years 1995-96.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INSTANTANEOUS CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 24.	1420	80513	80020	2.2	204	7.7	735	17.0	--	9.1	97
JUL 17.	1425	80513	80020	3.0	197	7.8	734	26.0	28.5	7.4	95

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 24.	1420	K32	K9	880	89	7	34	1.1	3.9	8	0.2
JUL 17.	1425	530	420	400	88	6	33	1.3	3.6	8	0.2

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT 24.	1420	1.7	84	0	101	83	1.6	6.6	<0.10	9.4	115
JUL 17.	1425	2.2	83	0	100	82	1.6	5.9	<0.10	10	116

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 24.	1420	112	0.68	0.16	<0.010	0.910	0.910	<0.015	--	--	0.20
JUL 17.	1425	111	0.95	0.16	<0.010	0.980	0.980	0.040	0.16	<0.20	0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 24.	1420	--	0.020	0.020	2.5	0.10	<10	--	48	25	3
JUL 17.	1425	0.040	0.030	0.030	1.4	0.30	20	<1	100	53	15

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 24.	1420	0.02	45	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 17.	1425	0.12	91	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 24.	1420	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 17.	1425	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 24.	1420	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 17.	1425	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 24.	1420	<0.002	<0.006	<0.002	<0.004	0.019	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 17.	1425	<0.002	<0.006	<0.002	<0.004	0.026	<0.004	<0.003	<0.002	<0.003	<0.013

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 24.	1420	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 17.	1425	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYLAZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 24.	1420	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 17.	1425	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 24.	1420	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 17.	1425	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXY CARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 24.	1420	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 17.	1425	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 24.	1420	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 17.	1425	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)
JUL 02.	1100	80513	80020	E2.9	244	7.6	23.0	26.0	8.6	98	6

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL 02.	1100	37	1.3	3.9	8	0.2	2.2	92	0	112	1.3

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 02.	1100	6.5	<0.10	11	132	124	0.18	1.09	0.010	1.10	1.10

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
JUL 02.	1100	0.090	0.11	0.11	0.20	0.20	0.020	0.010	0.020	1.3	0.30

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)
JUL 02.	1100	130	130	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002

07195686 NORTH FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
JUL 02.	1100	<0.002	<0.002	<0.004	<0.004	<0.002	<0.003	<0.006	<0.018	<0.007	<0.005

DATE	TIME	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUL 02.	1100	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 02.	1100	0.036	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 02.	1100	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195696 EAST FLINT CREEK NEAR SPRINGTOWN
(National Water-Quality Assessment Station)

LOCATION.--Lat 36°15'29", long 94°24'15", in NE1/4 sec.8, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, near Springtown.

PERIOD OF RECORD.--Water years 1995-96.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 25.	1005	80513	80020	1.9	210	7.3	741	13.0	--	8.8	86
JUL 17.	1030	80513	80020	2.9	214	7.5	737	20.5	28.0	7.7	88

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 25.	1005	K150	150	1200	89	4	34	1.1	4.5	10	0.2
JUL 17.	1030	K1100	960	K2100	90	0	34	1.2	4.2	9	0.2

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT 25.	1005	1.6	85	0	104	85	1.4	6.7	<0.10	8.8	126
JUL 17.	1030	2.5	89	0	109	89	1.9	6.7	<0.10	9.3	126

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 25.	1005	118	0.66	0.17	--	<0.010	2.00	2.00	<0.015	--	0.50
JUL 17.	1030	123	1.0	0.17	1.99	0.010	2.00	2.00	0.030	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 25.	1005	--	0.090	0.070	0.90	0.10	<10	--	12	2.0	3
JUL 17.	1030	0.090	0.080	0.100	1.1	0.50	<10	<1	20	7.0	16

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 25.	1005	0.02	41	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 17.	1030	0.13	69	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 25.	1005	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 17.	1030	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT_FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT_FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT_FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 25.	1005	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 17.	1030	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT_FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT_FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 25.	1005	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 17.	1030	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013

07195696 EAST FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 25.	1005	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 17.	1030	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 25.	1005	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 17.	1030	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 25.	1005	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 17.	1030	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXY CARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 25.	1005	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 17.	1030	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 25.	1005	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 17.	1030	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
JUL 01...	1500	80513	80020	E3.0	223	7.7	25.5	6.8	93	1	35

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL 01...	1500	1.3	4.6	9	0.2	3.2	92	0	112	1.8	6.9

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JUL 01...	1500	<0.10	10	137	130	0.19	2.45	0.050	2.50	2.50	0.070

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 01...	1500	0.43	0.33	0.50	0.40	0.170	0.160	0.170	1.6	0.50	35

DATE	TIME	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)
JUL 01...	1500	18	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002	<0.002

07195696 EAST FLINT CREEK NEAR SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUL 01...	1500	<0.002	<0.004	<0.004	<0.002	<0.003	<0.006	<0.018	<0.007	<0.005	<0.004

DATE	TIME	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUL 01...	1500	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 01...	1500	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYLAZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 01...	1500	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195800 FLINT CREEK AT SPRINGTOWN

LOCATION.--Lat 36°15'20", long 94°25'50", in NW1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above sea level.

REMARKS.--Records good, except estimated daily discharges which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.0	6.5	6.7	8.8	8.7	16	11	27	5.4	4.9	e4.2
2	10	8.0	6.6	6.8	8.5	9.4	15	10	18	5.2	4.9	e4.1
3	8.5	7.8	6.5	6.8	9.0	9.4	14	9.3	15	5.2	4.7	4.1
4	7.8	7.7	6.5	6.8	8.7	7.1	15	9.0	13	6.5	4.5	3.9
5	7.1	7.8	6.3	6.8	8.2	6.7	13	8.7	11	6.4	4.4	3.9
6	7.1	11	6.3	6.4	8.5	6.6	12	8.9	19	5.7	4.3	3.8
7	7.1	9.4	7.3	6.4	8.7	6.2	11	8.1	14	5.4	4.1	e3.7
8	6.8	8.3	7.3	6.8	8.4	6.4	10	8.0	13	5.2	4.0	e3.6
9	6.8	8.3	6.4	6.8	8.0	6.5	9.8	7.7	11	5.2	3.7	e3.6
10	6.8	11	6.5	7.4	7.7	6.5	9.2	24	10	5.2	3.8	e3.5
11	6.8	10	6.5	8.0	7.2	6.6	9.0	39	9.1	5.8	4.5	3.5
12	6.6	9.2	6.5	8.0	7.1	6.6	9.3	26	8.4	5.8	4.4	e4.0
13	6.5	8.5	6.5	8.0	7.1	6.8	9.9	20	7.8	5.7	4.2	e4.2
14	6.5	8.0	8.3	7.7	7.0	6.8	8.9	40	7.3	5.6	4.0	e4.4
15	6.5	7.7	8.5	7.7	6.8	7.1	8.2	36	6.9	5.3	4.0	e4.6
16	6.5	7.5	14	8.1	6.8	7.5	8.0	30	6.4	5.0	4.0	e5.0
17	6.5	7.3	16	46	6.8	7.0	8.0	22	6.3	4.9	4.4	e4.8
18	6.6	6.8	26	30	6.9	7.3	7.8	18	6.2	4.8	4.6	e4.5
19	6.7	6.8	14	23	7.1	7.3	7.8	15	13	4.7	4.0	e4.5
20	6.7	6.5	11	19	7.1	6.8	7.6	14	9.3	4.6	3.7	4.4
21	6.9	6.6	9.8	16	7.1	7.0	8.1	12	8.2	4.5	3.6	4.3
22	6.8	11	8.7	16	7.0	6.9	16	11	7.6	4.4	3.6	4.1
23	7.2	7.8	7.9	15	6.8	6.8	27	9.7	7.1	5.0	3.5	4.3
24	7.7	7.2	7.7	14	6.8	6.9	23	8.9	6.7	4.8	3.5	8.0
25	7.8	7.0	7.5	13	7.3	6.8	20	8.4	6.4	4.8	4.4	5.8
26	11	6.9	7.0	12	7.6	6.5	17	7.7	6.2	4.6	7.7	200
27	8.4	6.5	6.6	11	7.5	7.8	15	11	6.2	4.6	8.1	48
28	7.5	6.5	6.3	11	7.1	22	14	8.5	5.9	4.5	5.4	29
29	7.4	6.5	6.3	10	7.1	19	13	7.7	5.7	4.6	4.9	22
30	7.4	6.5	6.3	9.2	---	19	12	7.3	5.5	5.6	4.6	17
31	7.7	---	6.3	9.0	---	18	---	10	---	5.3	e4.3	---
TOTAL	227.7	238.1	263.9	369.4	218.7	270.0	374.6	466.9	297.2	160.3	138.7	424.8
MEAN	7.35	7.94	8.51	11.9	7.54	8.71	12.5	15.1	9.91	5.17	4.47	14.2
MAX	11	11	26	46	9.0	22	27	40	27	6.5	8.1	200
MIN	6.5	6.5	6.3	6.4	6.8	6.2	7.6	7.3	5.5	4.4	3.5	3.5
AC-FT	452	472	523	733	434	536	743	926	589	318	275	843
CFSM	.52	.56	.60	.84	.53	.61	.88	1.06	.70	.36	.32	1.00
IN.	.60	.62	.69	.97	.57	.71	.98	1.22	.78	.42	.36	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1996, BY WATER YEAR (WY)

MEAN	11.1	18.4	18.6	13.9	14.7	20.8	22.3	18.6	18.0	9.07	7.86	9.31
MAX	51.8	83.7	63.0	40.0	37.0	57.7	60.5	107	121	40.9	61.5	38.3
(WY)	1987	1974	1988	1969	1989	1973	1965	1990	1974	1961	1961	1986
MIN	2.20	2.56	2.98	2.98	3.20	3.02	3.15	3.29	2.79	1.83	.77	1.88
(WY)	1983	1967	1967	1981	1967	1967	1981	1967	1966	1964	1980	1967

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1961 - 1996	
ANNUAL TOTAL	6493.7		3450.3			
ANNUAL MEAN	17.8		9.43		15.0	
HIGHEST ANNUAL MEAN					34.4	1974
LOWEST ANNUAL MEAN					3.80	1967
HIGHEST DAILY MEAN	391	May 8	200	Sep 26	1730	Jun 8 1974
LOWEST DAILY MEAN	2.8	Feb 24	3.5	Aug 23	.00	Aug 3 1980
ANNUAL SEVEN-DAY MINIMUM	3.0	Feb 23	3.7	Sep 5	.33	Aug 3 1980
INSTANTANEOUS PEAK FLOW			802	Sep 26	[a]14600	Jun 8 1974
INSTANTANEOUS PEAK STAGE			7.23	Sep 26	[b]17.51	Jun 8 1974
INSTANTANEOUS LOW FLOW			3.4	Aug 22-24,Sep 11	[c].00	Aug 3,Sep 16 1980
ANNUAL RUNOFF (AC-FT)	12880		6840		10870	
ANNUAL RUNOFF (CFSM)	1.25		.66		1.06	
ANNUAL RUNOFF (INCHES)	17.01		9.04		14.36	
10 PERCENT EXCEEDS	35		15		29	
50 PERCENT EXCEEDS	8.3		7.1		8.2	
90 PERCENT EXCEEDS	5.9		4.4		3.2	

[a]From rating curve extended above 770 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow
[b]From floodmark
[c]Result of pumpage for irrigation upstream from gage
[e]Estimated

07195800 FLINT CREEK AT SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1961 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 25.	0845	80513	80020	E7.9	4.32	218	7.4	742	14.5	--	7.5
JUL 18.	0900	80513	80020	10	3.99	208	7.6	738	18.0	24.5	7.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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.	0845	75	K15	33	2000	93	0	35	1.4	4.3	9
JUL 18.	0900	80	K160	180	700	89	17	33	1.6	3.8	8

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
OCT 25.	0845	0.2	2.2	96	0	117	96	1.9	7.1	<0.10	8.7
JUL 18.	0900	0.2	2.8	72	0	88	72	2.5	6.2	<0.10	9.4

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 25.	0845	128	126	--	0.17	<0.010	1.80	1.80	<0.015	--	<0.20
JUL 18.	0900	120	114	3.40	0.16	<0.010	2.50	2.50	0.020	<0.20	<0.20

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 25.	0845	--	0.070	0.050	1.6	0.10	<10	--	99	<1.0	3
JUL 18.	0900	0.060	0.040	0.040	0.70	0.20	20	<1	12	3.0	20

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
OCT 25.	0845	--	36	<0.001	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035
JUL 18.	0900	0.57	80	0.013	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.035

DATE	TIME	2,4,5-T DISSOLVED (UG/L) (39742)	SILVEX, DISSOLVED (UG/L) (39762)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)
OCT 25.	0845	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	<0.002	<0.003
JUL 18.	0900	<0.035	<0.021	<0.002	<0.002	<0.014	<0.002	<0.004	<0.004	E0.001	<0.003

DATE	TIME	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 25.	0845	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL 18.	0900	<0.006	<0.018	<0.007	<0.005	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

DATE	TIME	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 25.	0845	<0.002	<0.006	<0.002	<0.004	E0.004	<0.004	<0.003	<0.002	<0.003	<0.013
JUL 18.	0900	<0.002	<0.006	<0.002	<0.004	E0.004	<0.004	<0.003	<0.002	<0.003	<0.013

07195800 FLINT CREEK AT SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT 25.	0845	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013
JUL 18.	0900	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013

DATE	TIME	METHYLAZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALDICARB SULFONE WAT FLT GF 0.7U REC (UG/L) (49313)	ALDICARB RB SULFOXIDE, WAT FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	CHLORAMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)
OCT 25.	0845	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008
JUL 18.	0900	<0.001	<0.005	<0.035	<0.016	<0.021	<0.016	<0.011	<0.035	<0.035	<0.008

DATE	TIME	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CHLOROTHALONIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	DACTHAL MONOACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOBENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
OCT 25.	0845	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020
JUL 18.	0900	<0.028	<0.035	<0.050	<0.035	<0.017	<0.035	<0.020	<0.032	<0.035	<0.020

DATE	TIME	ESFENVALERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	3HYDRXYCARBOFURAN WAT FLT GF 0.7U REC (UG/L) (49308)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIOCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)
OCT 25.	0845	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007
JUL 18.	0900	<0.019	<0.013	<0.035	<0.014	<0.018	<0.050	<0.035	<0.026	<0.017	<0.007

DATE	TIME	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	2,4-D, DISSOLVED (UG/L) (39732)
OCT 25.	0845	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035
JUL 18.	0900	<0.015	<0.024	<0.019	<0.018	<0.050	<0.035	<0.035	<0.050	<0.035

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVFLD, AS CACO3 (MG/L) (00904)
JUL 01...	1300	80513	80020	E3.0	249	7.7	19.5	29.0	8.7	100	7

DATE	TIME	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL 01...	1300	38	1.7	4.3	8	0.2	2.8	95	0	116	2.5

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
JUL 01...	1300	6.9	<0.10	9.8	147	136	0.20	<0.010	2.80	2.80	0.030

DATE	TIME	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)
JUL 01...	1300	<0.20	<0.20	0.090	0.050	0.060	0.80	0.20	<3.0	4.0	0.009

DATE	TIME	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)
JUL 01...	1300	<0.002	<0.001	<0.004	<0.005	<0.002	<0.004	<0.002	<0.002	<0.002

07195800 FLINT CREEK AT SPRINGTOWN--CONTINUED
(National Water-Quality Assessment Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUL 01...	1300	<0.004	<0.004	E0.007	<0.003	<0.006	<0.018	<0.007	<0.005	<0.004

DATE	TIME	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUL 01...	1300	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TIME	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JUL 01...	1300	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	TIME	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JUL 01...	1300	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA

LOCATION.--Lat 36°12'58", long 94°36'15", in NE1/4NE1/4 sec.14, T.20 N., R.25 E., Delaware County, Oklahoma, Hydrologic Unit 11110103, on left bank 800 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Oklahoma.

DRAINAGE AREA.--59.8 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above sea level.

REMARKS.--Water-discharge records good, except for periods of estimated daily discharges which are poor. Flow is partially regulated by Lake Siloam Springs, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	17	18	e16	24	e19	e23	21	41	8.4	e6.0	e7.8
2	10	17	18	e18	23	e19	e23	20	e44	7.2	e5.6	e7.2
3	14	17	17	e18	23	e18	e23	18	e40	6.3	e5.4	e6.7
4	12	16	17	e18	e25	e18	e24	18	30	11	e5.2	e6.3
5	e11	17	17	e17	e25	e17	e24	17	26	17	e5.0	e5.9
6	e10	19	e18	e17	e25	e17	e23	17	30	13	e4.9	e5.6
7	e10	25	e18	e18	e26	e17	e23	17	32	10	e4.7	e5.3
8	e11	23	e17	e18	e25	e16	e23	15	26	9.6	e4.6	e5.1
9	e10	21	e17	e19	e24	e16	21	15	24	9.1	e4.5	e5.0
10	e10	21	e17	e20	e24	e16	20	20	21	8.0	e4.8	5.0
11	e10	25	e17	e21	e23	e15	21	93	19	9.6	e5.4	5.8
12	e10	23	e17	22	e23	e15	20	70	17	11	e5.3	5.5
13	e10	21	e18	e22	e23	e15	22	53	17	11	e5.1	5.5
14	e10	21	e18	e22	e22	e15	19	54	15	10	e4.6	5.6
15	e10	21	e19	e22	e22	e14	21	67	14	8.9	e4.3	7.8
16	e11	21	e20	e22	e22	e14	18	56	13	5.7	e4.3	9.2
17	e10	19	e22	e60	e21	e14	18	47	12	5.4	e4.6	8.0
18	11	18	e28	e48	e21	e14	18	39	11	4.3	e5.3	6.8
19	12	18	e25	e45	e20	e14	17	33	22	e4.0	e5.6	6.6
20	12	18	e24	e45	e20	e13	16	30	24	e4.0	e4.9	6.4
21	13	21	e20	e43	e21	e13	16	28	18	e4.0	e4.5	5.1
22	13	18	e18	e42	e20	13	31	24	15	e4.0	e4.3	5.1
23	15	21	e18	e40	e19	e13	56	22	14	e5.0	e4.1	5.1
24	15	20	e17	37	e19	e12	51	20	12	e5.0	e4.0	8.8
25	16	19	e17	32	e20	e12	42	19	14	e5.0	e5.0	10
26	18	18	e17	33	e20	e12	35	17	9.9	e5.0	e9.0	446
27	22	19	e16	30	e20	e14	30	23	9.8	e5.0	e16	174
28	23	21	e16	29	e19	e40	27	20	10	e5.0	e13	85
29	17	18	e16	28	e20	e30	25	16	9.5	e6.0	e11	58
30	17	18	e15	26	---	e26	23	15	8.9	e7.0	e9.5	43
31	17	---	e15	25	---	e24	---	16	---	e6.5	e8.6	---
TOTAL	400	591	567	873	639	525	753	940	599.1	231.0	189.1	967.2
MEAN	12.9	19.7	18.3	28.2	22.0	16.9	25.1	30.3	20.0	7.45	6.10	32.2
MAX	23	25	28	60	26	40	56	93	44	17	16	446
MIN	10	16	15	16	19	12	16	15	8.9	4.0	4.0	5.0
AC-FT	793	1170	1120	1730	1270	1040	1490	1860	1190	458	375	1920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

MEAN	32.6	54.3	72.2	51.0	52.7	74.4	71.9	69.2	53.3	22.3	16.7	23.6
MAX	199	148	219	123	120	176	143	251	169	55.0	35.6	132
(WY)	1987	1994	1993	1985	1989	1985	1985	1990	1995	1995	1986	1986
MIN	3.48	3.86	6.62	3.88	4.37	7.04	7.43	20.9	9.72	2.79	.77	1.80
(WY)	1981	1981	1980	1980	1981	1981	1981	1981	1981	1980	1980	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	22382.1		7274.4			
ANNUAL MEAN	61.3		19.9		49.5	
HIGHEST ANNUAL MEAN					97.9	1985
LOWEST ANNUAL MEAN					10.7	1981
HIGHEST DAILY MEAN	822	May 8	446	Sep 26	2560	Sep 30 1986
LOWEST DAILY MEAN	9.1	Sep 30	4.0	Jul 19-22,Aug 24	.40	Aug 7 1980
ANNUAL SEVEN-DAY MINIMUM	10	Oct 9	4.3	Jul 18	.56	Aug 5 1980
INSTANTANEOUS PEAK FLOW			1130	Sep 26	[a]6650	May 3 1990
INSTANTANEOUS PEAK STAGE			7.50	Sep 26	12.67	May 3 1990
ANNUAL RUNOFF (AC-FT)	44390		14430		35860	
10 PERCENT EXCEEDS	129		30		106	
50 PERCENT EXCEEDS	38		17		26	
90 PERCENT EXCEEDS	12		5.3		6.8	

[a]From rating curve extended above 3,300 ft^3/s
[e]Estimated

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 1979, October 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1130	80513	80513	16	280	7.9	729	17.5	7.3
JAN									
24...	1230	80513	80513	13	260	8.9	739	5.5	12.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1130	80	70	K22	170	17	0.73	92
JAN								
24...	1230	101	K28	K31	K34	13	0.46	76

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	1606	80513	80513	30.0	0.20	0.20	20
30...	1607	80513	80513	30.0	0.30	0.30	--
30...	1608	80513	80513	30.0	0.20	0.20	--
30...	1609	80513	80513	30.0	0.40	0.40	--
30...	1610	80513	80513	30.0	0.50	0.50	--
30...	1611	80513	80513	30.0	0.60	0.60	--
30...	1612	80513	80513	30.0	0.40	0.40	--
30...	1613	80513	80513	30.0	0.30	0.30	--
30...	1614	80513	80513	30.0	0.40	0.40	--
30...	1615	80513	80513	30.0	0.30	0.30	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1606	264	8.2	4.0	13.8	106	755
30...	1607	263	8.1	4.0	12.7	98	755
30...	1608	263	8.1	4.0	12.2	94	755
30...	1609	264	8.1	4.0	11.6	90	755
30...	1610	264	8.0	4.0	12.5	96	755
30...	1611	263	8.0	4.0	12.0	93	755
30...	1612	262	8.0	4.0	12.0	93	755
30...	1613	263	8.0	4.0	11.7	90	755
30...	1614	262	8.0	4.0	10.6	82	755
30...	1615	262	8.0	4.0	11.0	85	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	1100	80513	80513	13	280	7.6	736	9.5	11.6
MAY									
21...	1030	80513	80513	21	266	8.5	734	21.0	7.1
JUL									
23...	1100	80513	80513	4.5	332	8.6	737	25.0	6.5
AUG									
28...	1200	80513	80513	15	282	8.0	740	23.5	6.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	1100	105	62	39	K20	46	1.6	78
MAY								
21...	1030	83	210	240	170	43	2.4	79
JUL								
23...	1100	81	210	140	230	31	0.38	75
AUG								
28...	1200	84	240	190	730	29	1.2	95

07196900 BARON FORK AT DUTCH MILLS

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--40.6 mi^2 (corrected.)

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. WRD Ark. 1993: 1992 (m).

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	.76	5.5	15	26	6.1	39	43	45	1.6	3.8	1.1
2	49	.97	5.4	23	23	6.2	32	38	31	1.3	3.2	1.1
3	36	.40	5.3	26	15	5.9	27	35	22	1.2	2.7	1.1
4	11	.04	5.1	28	16	5.8	46	32	16	1.7	2.1	.97
5	5.8	.00	4.8	34	16	6.1	39	29	12	3.8	1.6	.69
6	3.7	.00	4.5	35	17	6.1	31	69	12	2.7	1.2	.50
7	2.9	.47	4.5	25	20	5.4	27	54	14	2.1	.87	.42
8	2.5	.71	5.2	23	21	4.8	24	39	11	1.9	.70	.33
9	2.1	3.0	5.6	24	19	4.8	21	31	9.8	1.7	.68	.30
10	1.9	6.6	5.2	29	17	5.1	18	504	8.8	1.8	.50	.24
11	1.8	19	5.0	83	14	5.3	16	321	8.5	2.7	.54	.44
12	1.5	15	5.0	81	12	5.3	162	100	6.9	58	.62	.53
13	1.4	12	5.1	62	11	5.0	192	74	6.2	20	.49	.42
14	1.2	9.3	4.9	52	11	5.1	76	63	5.5	195	.38	.40
15	1.3	8.0	4.7	42	10	5.0	52	52	4.8	57	.27	.67
16	1.3	6.8	4.7	36	9.1	5.0	42	43	4.5	21	.18	2.5
17	1.3	5.8	23	97	8.8	4.8	35	36	4.3	13	32	1.8
18	1.4	5.3	113	1330	8.8	6.7	31	30	3.7	8.4	23	1.3
19	1.4	4.9	164	154	9.1	8.7	27	26	31	6.1	7.5	2.5
20	1.3	4.7	70	97	8.8	6.8	24	23	12	4.8	3.8	4.5
21	1.3	4.6	49	77	8.4	5.8	21	21	6.7	4.1	2.6	5.1
22	3.7	4.9	38	69	8.1	5.5	1770	22	4.8	3.5	2.1	5.5
23	8.5	8.9	31	86	7.9	5.2	532	19	4.0	9.2	2.4	5.7
24	8.8	9.3	24	76	7.3	5.6	149	16	3.4	4.8	1.6	15
25	8.9	7.8	21	62	6.9	8.5	95	13	3.2	3.8	1.6	13
26	12	7.0	18	54	7.2	7.6	71	12	3.0	2.9	1.8	2870
27	32	6.3	16	45	7.5	9.7	59	30	3.0	2.7	2.3	214
28	5.1	6.1	14	41	7.1	111	58	18	3.0	12	4.4	98
29	1.5	5.9	12	39	6.5	66	58	13	2.6	4.1	2.5	70
30	.62	5.7	14	34	---	46	49	11	2.2	6.0	1.7	55
31	.26	---	15	28	---	50	---	9.7	---	6.5	1.2	---
TOTAL	234.48	170.25	702.5	2907	359.5	434.9	3823	1826.7	304.9	465.4	110.33	3373.11
MEAN	7.56	5.67	22.7	93.8	12.4	14.0	127	58.9	10.2	15.0	3.56	112
MAX	49	19	164	1330	26	111	1770	504	45	195	32	2870
MIN	.26	.00	4.5	15	6.5	4.8	16	9.7	2.2	1.2	.18	.24
AC-FT	465	338	1390	5770	713	863	7580	3620	605	923	219	6690
CFSM	.19	.14	.56	2.31	.31	.35	3.14	1.45	.25	.37	.09	2.77
IN.	.21	.16	.64	2.66	.33	.40	3.50	1.67	.28	.43	.10	3.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	26.3	55.4	53.8	45.3	54.0	77.0	80.4	71.4	34.7	17.8	7.73	20.4
MAX	218	347	221	242	163	205	310	307	167	131	62.0	242
(WY)	1971	1986	1988	1993	1975	1973	1990	1990	1989	1958	1992	1974
MIN	.094	.51	.55	.53	2.16	5.98	6.71	3.25	.35	.22	.000	.080
(WY)	1964	1964	1964	1964	1964	1967	1963	1977	1963	1963	1980	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	19788.37		14712.07			
ANNUAL MEAN	54.2		40.2		44.9	
HIGHEST ANNUAL MEAN					104	1993
LOWEST ANNUAL MEAN					3.99	1963
HIGHEST DAILY MEAN	1800	May 8	2870	Sep 26	4300	Nov 24 1973
LOWEST DAILY MEAN	.00	Nov 5	.00	Nov 5	.00	Jul 23 1963
ANNUAL SEVEN-DAY MINIMUM	.35	Oct 31	.35	Oct 31	.00	Sep 20 1963
INSTANTANEOUS PEAK FLOW			[a]16000	Sep 26	[a]20900	Nov 18 1985
INSTANTANEOUS PEAK STAGE			13.35	Sep 26	14.81	Nov 18 1985
INSTANTANEOUS LOW FLOW			.00	Nov 5-6	.00	at times
ANNUAL RUNOFF (AC-FT)	39250		29180		32500	
ANNUAL RUNOFF (CFSM)	1.34		.99		1.11	
ANNUAL RUNOFF (INCHES)	18.13		13.48		15.01	
10 PERCENT EXCEEDS	104		60		87	
50 PERCENT EXCEEDS	19		7.9		12	
90 PERCENT EXCEEDS	1.4		1.2		.87	

[a]From rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurement at 12,900 ft^3/s

07196900 BARON FORK AT DUTCH MILLS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1000	80513	80513	12	310	8.0	728	16.0	7.1
JAN									
24...	0950	80513	80513	74	252	7.7	738	2.5	10.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT								
04...	1000	75	>1400	1000	1000	23	0.75	100
JAN								
24...	0950	78	240	540	3400	18	3.6	85

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
30...	1422	80513	80513	50.0	0.0	0.0	2.50	35
30...	1423	80513	80513	50.0	0.0	0.0	7.50	--
30...	1424	80513	80513	50.0	0.0	0.0	12.5	--
30...	1425	80513	80513	50.0	0.0	0.0	17.5	--
30...	1426	80513	80513	50.0	0.0	0.0	22.5	--
30...	1427	80513	80513	50.0	0.0	0.0	27.5	--
30...	1428	80513	80513	50.0	0.20	0.20	32.5	--
30...	1429	80513	80513	50.0	0.50	1.00	37.5	--
30...	1430	80513	80513	50.0	0.50	1.00	42.5	--
30...	1431	80513	80513	50.0	0.50	1.00	47.5	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1422	289	8.0	5.0	13.3	104	755
30...	1423	272	8.0	5.0	12.6	99	755
30...	1424	288	8.0	5.0	12.4	97	755
30...	1425	288	8.0	5.0	12.1	95	755
30...	1426	287	8.0	5.0	12.0	95	755
30...	1427	287	8.0	5.0	12.1	95	755
30...	1428	288	8.0	5.0	12.3	97	755
30...	1429	288	8.0	5.0	12.3	97	755
30...	1430	289	8.0	5.0	12.3	97	755
30...	1431	288	8.0	5.0	12.5	98	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR									
12...	0950	80513	80513	6.0	320	7.5	736	9.0	12.3
MAY									
21...	0915	80513	80513	26	312	8.1	732	21.0	7.1
JUL									
23...	1000	80513	80513	4.0	310	8.3	736	26.5	5.2
AUG									
28...	1015	80513	80513	11	370	8.4	737	23.0	5.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR								
12...	0950	110	K29	K20	K13	35	0.57	87
MAY								
21...	0915	83	660	1100	210	47	3.3	71
JUL								
23...	1000	68	K2100	K3100	K750	31	0.33	94
AUG								
28...	1015	71	980	510	1400	--	--	--

07247000 POTEAU RIVER AT CAUTHRON

LOCATION.--Lat 34°55'08", long 94°17'55", in NW1/4SW1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above sea level. Prior to May 2, 1939, nonrecording gage at present site and datum. Satellite data collection platform installed September 13, 1991.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. As of September 1974, flow from 92.2 mi^2 upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.44	2.4	2.4	1.8	91	46	220	162	429	116	206	11
2	.51	2.7	2.4	83	80	40	193	136	691	82	439	7.3
3	.89	2.0	2.1	236	68	35	174	108	376	61	181	5.0
4	2.8	2.0	2.0	134	55	30	175	90	244	47	122	3.5
5	1.1	1.9	2.0	119	48	27	176	76	180	37	87	3.3
6	.46	1.9	2.0	108	45	32	146	65	134	30	57	3.4
7	.33	2.1	2.0	86	43	60	132	62	1050	26	39	2.5
8	.24	2.2	2.4	55	42	56	124	64	572	22	41	1.7
9	.22	1.9	2.5	43	41	45	117	e70	294	19	e24	1.4
10	.19	1.8	2.5	40	37	37	103	e200	196	17	e22	1.3
11	.16	1.7	2.5	41	32	32	92	e300	148	21	e20	1.3
12	.14	1.7	2.5	41	29	29	177	e210	436	283	e17	1.0
13	.19	1.6	2.5	37	26	25	1270	e180	797	543	e15	1.1
14	.24	1.7	2.5	33	23	21	716	e150	332	264	e13	1.1
15	.24	2.1	2.3	30	22	19	517	e110	164	308	e11	2.0
16	.28	2.3	2.3	26	20	18	405	e80	101	222	e10	27
17	.62	2.3	99	23	18	17	356	67	70	168	e9.0	96
18	.77	2.2	441	161	16	99	316	50	145	135	e8.0	17
19	1.0	2.1	293	270	14	477	278	35	123	115	e7.0	5.5
20	.85	2.2	100	139	13	242	277	23	93	108	6.5	2.8
21	.82	2.3	39	101	13	167	251	16	63	97	9.2	2.3
22	1.0	2.2	20	82	15	138	3840	18	42	82	11	1.8
23	1.4	2.1	12	253	15	115	2620	57	29	72	6.5	2.2
24	.45	2.0	7.5	722	14	105	992	29	21	99	4.7	38
25	.65	2.1	4.5	338	12	274	689	17	15	79	4.0	103
26	.75	2.2	3.7	243	11	197	384	13	28	57	26	1520
27	1.2	2.3	2.8	188	11	146	277	14	605	45	929	2020
28	1.2	2.2	2.3	156	107	655	213	59	798	35	419	603
29	1.1	2.2	2.0	141	71	570	319	40	311	26	103	295
30	1.3	2.2	1.9	125	---	368	224	19	178	272	38	185
31	1.3	---	1.8	108	---	279	---	12	---	407	19	---
TOTAL	22.84	62.6	1067.4	4163.8	1032	4401	15773	2532	8665	3895	2903.9	4965.5
MEAN	.74	2.09	34.4	134	35.6	142	526	81.7	289	126	93.7	166
MAX	2.8	2.7	441	722	107	655	3840	300	1050	543	929	2020
MIN	.14	1.6	1.8	1.8	11	17	92	12	15	17	4.0	1.0
AC-FT	45	124	2120	8260	2050	8730	31290	5020	17190	7730	5760	9850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

MEAN	110	243	348	280	346	406	357	507	219	62.2	22.9	23.7
MAX	1423	1112	1078	907	1246	849	1092	2080	846	314	93.7	166
(WY)	1985	1995	1983	1993	1989	1975	1991	1990	1986	1981	1996	1996
MIN	.015	2.09	2.02	14.1	35.6	59.9	42.5	13.6	2.35	.41	.81	.19
(WY)	1979	1996	1990	1981	1996	1986	1976	1977	1988	1980	1976	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	70061.71		49484.04			
ANNUAL MEAN	192		135		[a]243	
HIGHEST ANNUAL MEAN					432	1985
LOWEST ANNUAL MEAN					48.7	1976
HIGHEST DAILY MEAN	8540	May 8	3840	Apr 22	16900	May 3 1990
LOWEST DAILY MEAN	.00	Sep 26	.14	Oct 12	.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	.02	Sep 22	.20	Oct 8	.00	Oct 7 1978
INSTANTANEOUS PEAK FLOW			7540	Apr 22	[b]24000	May 3 1990
INSTANTANEOUS PEAK STAGE			14.68	Apr 22	[c]22.17	May 3 1990
INSTANTANEOUS LOW FLOW			.13	Oct 11,12	.00	at times
ANNUAL RUNOFF (AC-FT)	139000		98150		176300	
10 PERCENT EXCEEDS	441		317		596	
50 PERCENT EXCEEDS	30		36		50	
90 PERCENT EXCEEDS	.78		1.5		1.6	

[a]Prior to regulation, water years 1940-74, 218 ft^3/s
[b]Maximum discharge for period of record, 32,200 ft^3/s May 20, 1960
[c]Maximum gage height for period of record, 23.76 ft May 20, 1960
[e]Estinated

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 27, 1995 to September 30, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
11...	1030	80513	81213	0.80	308	8.5	752	18.5	9.5	103
DEC										
13...	1300	80513	81213	3.8	220	8.4	742	7.0	10.6	90

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
11...	1030	140	K36	120	26	3.7	4.1	48	69
DEC									
13...	1300	160	160	K26	25	4.1	3.7	26	59

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
11...	1030	4	16	25	49	210	32	0.07	92
DEC									
13...	1300	2	11	13	24	133	4	0.04	35

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN								
29...	1423	80513	80513	100	0.0	0.0	5.00	130
29...	1424	80513	80513	100	0.0	0.0	15.0	--
29...	1425	80513	80513	100	0.0	0.0	25.0	--
29...	1427	80513	80513	100	0.30	0.30	35.0	--
29...	1428	80513	80513	100	0.50	0.50	45.0	--
29...	1429	80513	80513	100	0.50	1.00	55.0	--
29...	1430	80513	80513	100	0.50	0.50	65.0	--
29...	1431	80513	80513	100	0.50	0.50	75.0	--
29...	1432	80513	80513	100	0.20	0.20	85.0	--
29...	1433	80513	80513	100	0.0	0.0	95.0	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
29...	1423	69	6.9	6.0	11.9	97	750
29...	1424	69	6.8	6.0	11.9	97	750
29...	1425	66	6.7	6.0	12.1	98	750
29...	1427	69	6.7	6.0	12.0	98	750
29...	1428	69	6.8	6.0	12.1	99	750
29...	1429	69	6.9	6.0	12.2	99	750
29...	1430	69	6.7	6.0	12.1	98	750
29...	1431	69	6.7	6.0	12.2	99	750
29...	1432	70	6.7	6.0	12.1	98	750
29...	1433	70	6.7	6.0	12.2	99	750

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR										
19...	1210	80513	81213	410	128	7.5	749	10.0	8.6	77
MAY										
29...	1030	80513	81213	39	126	9.0	746	25.0	5.2	64
JUL										
31...	1000	80513	81213	350	110	7.1	749	25.0	4.1	50
SEP										
04...	1130	80513	81213	9.0	80	7.0	746	24.5	4.5	55

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR									
19...	1210	>1200	>1200	>2000	26	5.1	3.1	9.0	39
MAY									
29...	1030	K36	K20	96	21	3.5	2.9	9.0	43
JUL									
31...	1000	K1400	>1600	K5600	16	3.2	2.0	7.6	41
SEP									
04...	1130	70	K39	160	20	3.7	2.6	5.3	30

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	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)
MAR									
19...	1210	0.8	4.3	14	10	84	128	142	85
MAY									
29...	1030	0.9	3.8	8.5	8.4	68	32	3.4	86
JUL									
31...	1000	0.8	5.6	7.5	8.5	76	90	85	87
SEP									
04...	1130	0.5	5.3	6.8	4.6	68	29	0.70	95

07249400 JAMES FORK NEAR HACKETT

LOCATION.--Lat 35°09'45", long 94°24'25", in NW1/4NW1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above sea level. Prior to Oct. 1, 1990, at datum 2.00 ft higher.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.0	3.0	13	56	21	113	92	134	18	70	19
2	8.2	9.2	3.3	43	53	19	86	75	132	16	89	16
3	9.6	7.6	4.6	106	49	17	70	67	46	14	80	15
4	16	6.6	5.7	74	49	16	94	63	26	13	110	14
5	e10	6.2	5.8	97	44	16	87	55	19	14	46	13
6	6.3	5.6	6.3	78	39	15	65	50	18	12	27	12
7	5.3	5.4	5.5	66	41	14	56	49	25	11	19	11
8	4.9	5.2	6.2	49	43	13	49	45	25	10	17	9.6
9	4.3	4.5	6.4	39	41	13	42	39	18	9.5	14	8.5
10	4.3	3.9	6.5	41	37	12	37	61	15	9.8	17	7.6
11	4.1	3.9	7.2	54	34	11	33	322	14	22	18	6.7
12	4.2	3.3	6.9	54	31	11	83	105	12	132	13	6.3
13	3.8	2.9	7.7	43	29	10	592	62	17	115	11	6.0
14	3.5	3.5	7.4	36	28	10	242	50	26	122	10	5.6
15	3.3	4.0	6.9	31	26	10	142	42	15	165	8.8	273
16	3.4	4.5	6.4	28	25	10	99	38	12	50	7.9	823
17	3.1	4.7	77	28	23	9.5	79	31	11	30	10	163
18	3.0	4.9	248	669	22	25	65	25	11	22	8.8	71
19	2.5	5.0	207	241	24	108	55	25	11	16	7.2	45
20	2.4	5.3	77	129	24	54	53	20	11	13	6.1	35
21	2.0	5.7	45	91	23	37	50	18	9.3	12	5.5	30
22	2.5	6.3	32	81	22	30	4880	19	7.9	10	6.6	26
23	2.5	7.9	25	758	20	26	3230	19	6.7	244	4.6	22
24	3.3	11	21	485	19	42	681	17	5.8	77	4.2	184
25	3.9	12	19	225	17	88	423	15	5.4	32	4.0	102
26	3.7	13	17	159	17	60	288	13	23	25	133	1260
27	2.8	14	16	112	19	61	213	13	87	20	436	947
28	2.4	16	15	93	25	940	165	26	170	249	134	318
29	2.2	6.9	14	83	26	341	133	19	53	55	52	185
30	1.7	4.3	13	72	---	200	110	13	25	554	30	123
31	1.4	---	13	63	---	173	---	11	---	208	22	---
TOTAL	134.2	195.3	934.8	4141	906	2412.5	12315	1499	991.1	2300.3	1421.7	4757.3
MEAN	4.33	6.51	30.2	134	31.2	77.8	410	48.4	33.0	74.2	45.9	159
MAX	16	16	248	758	56	940	4880	322	170	554	436	1260
MIN	1.4	2.0	3.0	13	17	9.5	33	11	5.4	9.5	4.0	5.6
AC-FT	266	387	1850	8210	1800	4790	24430	2970	1970	4560	2820	9440
CFSM	.03	.04	.21	.91	.21	.53	2.79	.33	.22	.50	.31	1.08
IN.	.03	.05	.24	1.05	.23	.61	3.12	.38	.25	.58	.36	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	76.1	149	204	150	195	261	240	295	93.0	38.6	11.6	21.2
MAX	867	633	760	543	678	915	1047	1203	342	430	81.7	159
(WY)	1985	1985	1972	1995	1989	1973	1973	1990	1989	1961	1981	1996
MIN	.000	.000	.40	.50	1.08	.92	31.4	21.9	3.14	1.69	.015	.000
(WY)	1964	1964	1967	1964	1967	1967	1982	1962	1966	1964	1980	1963

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	44362.2		32008.2			
ANNUAL MEAN	122		87.5		143	
HIGHEST ANNUAL MEAN					308	1973
LOWEST ANNUAL MEAN					29.5	1976
HIGHEST DAILY MEAN	4730	May 8	4880	Apr 22	17100	May 14 1968
LOWEST DAILY MEAN	1.4	Oct 31	1.4	Oct 31	.00	Aug 17 1963
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 28	2.3	Oct 26	.00	Aug 17 1963
INSTANTANEOUS PEAK FLOW			8490	Apr 22	[a]30000	May 14 1968
INSTANTANEOUS PEAK STAGE			23.09	Apr 22	[b]25.00	May 14 1968
INSTANTANEOUS LOW FLOW			1.1	Oct 31,Nov.1	.00	at times
ANNUAL RUNOFF (AC-FT)	87990		63490		103600	
ANNUAL RUNOFF (CFSM)	.83		.59		.97	
ANNUAL RUNOFF (INCHES)	11.23		8.10		13.21	
10 PERCENT EXCEEDS	243		160		271	
50 PERCENT EXCEEDS	27		20		31	
90 PERCENT EXCEEDS	3.1		4.4		1.4	

[a]From rating curve extended above 20,000 ft³/s
[b]At present datum
[e]Estimated

07249400 JAMES FORK NEAR HACKETT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1971, October 1975 to September 1978, October 1983 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
13...	1030	80513	81213	4.0	388	8.2	752	18.0	9.2	98
DEC										
13...	1030	80513	81213	7.4	408	8.2	746	5.0	9.5	76

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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									
13...	1030	<48	66	100	120	18	19	28	32
DEC									
13...	1030	46	72	160	110	17	16	27	35

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
OCT									
13...	1030	1	3.1	87	6.4	242	--	--	--
DEC									
13...	1030	1	2.3	90	7.3	275	0.210	0.210	0.93

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
13...	1030	0.010	0.03	--	<0.020	0.010	0.01	0.29	0.30
DEC									
13...	1030	0.010	0.03	0.220	0.220	0.010	0.01	0.27	0.28

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
13...	1030	0.30	--	0.050	0.010	0.03	25	0.27	99
DEC									

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
29...	1558	80513	80513	100	0.50	0.50	71
29...	1559	80513	80513	100	0.30	0.30	--
29...	1600	80513	80513	100	0.40	0.40	--
29...	1601	80513	80513	100	0.70	0.70	--
29...	1602	80513	80513	100	0.60	0.60	--
29...	1603	80513	80513	100	0.60	0.60	--
29...	1604	80513	80513	100	0.70	0.70	--
29...	1605	80513	80513	100	1.00	2.00	--
29...	1607	80513	80513	100	1.00	2.00	--
29...	1608	80513	80513	100	1.00	2.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
29...	1558	171	7.3	6.5	12.5	103	752
29...	1559	169	7.3	6.5	12.1	100	752
29...	1600	172	7.2	6.5	12.1	99	752
29...	1601	171	7.2	6.5	11.9	98	752
29...	1602	171	7.2	6.5	11.9	98	752
29...	1603	171	7.1	6.5	11.9	98	752
29...	1604	170	7.2	6.5	11.9	98	752
29...	1605	170	7.1	6.0	11.9	97	752
29...	1607	171	7.2	6.0	11.9	98	752
29...	1608	171	7.1	6.0	12.0	98	752

07249400 JAMES FORK NEAR HACKETT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR 19...	1400	80513	81213	85	302	8.1	750	10.0	9.6	87
MAY 29...	1330	80513	81213	18	355	7.6	749	24.5	5.8	71
JUL 30...	1345	80513	81213	1200	120	7.4	751	23.5	6.8	81
SEP 04...	1345	80513	81213	23	230	8.9	749	24.0	5.1	62

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
MAR 19...	1400	740	520	380	100	17	15	11	18
MAY 29...	1330	62	60	97	130	20	19	15	20
JUL 30...	1345	3800	K700	K41000	13	2.9	1.5	4.1	32
SEP 04...	1345	230	92	280	82	13	12	14	26

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
MAR 19...	1400	0.5	1.8	77	6.6	176	0.050	--	--
MAY 29...	1330	0.6	2.5	82	5.4	214	0.090	--	--
JUL 30...	1345	0.5	4.1	3.6	3.2	58	0.241	0.241	1.1
SEP 04...	1345	0.7	3.2	45	5.0	150	0.200	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAR 19...	1400	<0.010	--	0.050	0.050	0.040	0.05	0.25	0.29
MAY 29...	1330	<0.010	--	0.090	0.090	0.050	0.06	0.32	0.37
JUL 30...	1345	0.019	0.06	0.260	0.260	0.063	0.08	2.2	2.3
SEP 04...	1345	<0.010	--	0.200	0.200	0.040	0.05	0.46	0.50

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 19...	1400	0.34	0.050	<0.020	0.010	0.03	51	12	89
MAY 29...	1330	0.46	<0.020	<0.020	<0.010	--	75	3.6	90
JUL 30...	1345	2.6	0.800	0.320	0.260	0.80	642	2080	97
SEP 04...	1345	0.70	0.050	<0.020	<0.010	--	49	3.0	99

07249985 LEE CREEK NEAR SHORT, OKLAHOMA

LOCATION.--Lat 35°31'09", long 94°27'58", in NW1/4NE1/4 sec.17, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Oklahoma, Hydrologic Unit 11110104, on left bank 0.5 mi west of Arkansas-Oklahoma State line, 500 ft downstream from Webbers Creek, 4.1 mi south of Short, Oklahoma, 7.5 mi southwest of Uniontown, Arkansas, and at mile 11.0.

DRAINAGE AREA.--420 mi^2.

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year. Prior to October 1992, published as "07250000 Lee Creek near Van Buren".

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M)/ WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 429.44 ft above sea level. Prior to October 1992 recording gage 3.2 mi downstream at datum 21.40 ft lower. September 1930 to June 1937, nonrecording gage at former site and datum.

REMARKS.--Records good except estimated daily discharges which are fair. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORDS.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks at former site and datum, discharge about 112,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	47	35	139	318	63	799	890	244	27	186	12
2	351	44	33	213	289	60	657	718	628	23	128	9.7
3	1270	40	32	322	252	56	572	603	389	20	158	9.4
4	585	37	29	324	214	54	665	522	314	20	126	9.0
5	362	35	28	330	210	52	829	455	255	27	76	7.5
6	247	36	26	353	199	51	674	400	214	28	53	6.1
7	181	40	24	333	195	48	590	465	215	23	42	5.0
8	141	38	25	287	195	45	530	446	179	20	35	4.0
9	112	36	24	266	194	44	464	358	157	17	30	3.1
10	91	34	24	254	189	43	409	311	134	16	25	2.4
11	73	33	23	276	174	42	368	2780	112	20	e23	1.6
12	59	32	22	475	160	40	434	1320	93	27	e20	1.2
13	49	33	22	485	148	39	2810	850	78	415	e19	.76
14	40	33	21	415	132	38	1730	674	65	269	e17	.37
15	35	33	21	360	130	38	1150	560	57	404	e15	1.2
16	32	33	21	309	121	38	874	460	50	284	e15	2.7
17	28	33	73	288	115	37	717	375	44	186	e220	3.7
18	25	32	630	7840	110	52	614	311	38	128	e300	5.1
19	23	32	2510	3220	106	61	535	260	86	101	149	3.8
20	21	31	1170	1740	102	128	478	219	114	72	112	2.9
21	18	29	698	1190	97	140	445	189	143	54	78	2.1
22	14	28	495	937	91	123	9650	225	94	42	54	1.4
23	18	29	378	833	88	109	9270	197	67	39	40	1.1
24	14	29	303	896	81	103	3580	163	50	63	31	4.5
25	14	29	252	748	77	192	2190	137	43	44	25	4.6
26	14	35	216	645	76	343	1480	115	40	34	23	3280
27	22	43	189	552	75	301	1100	105	39	30	30	3790
28	21	41	165	472	70	1830	900	103	41	25	26	1030
29	99	38	146	431	66	1930	1610	99	35	22	21	617
30	71	36	143	395	---	1220	1180	90	31	45	17	437
31	50	---	142	353	---	969	---	74	---	104	14	---
TOTAL	4186	1049	7920	25681	4274	8289	47304	14474	4049	2629	2108	9259.23
MEAN	135	35.0	255	828	147	267	1577	467	135	84.8	68.0	309
MAX	1270	47	2510	7840	318	1930	9650	2780	628	415	300	3790
MIN	14	28	21	139	66	37	368	74	31	16	14	.37
AC-FT	8300	2080	15710	50940	8480	16440	93830	28710	8030	5210	4180	18370
CFSM	.32	.08	.61	1.97	.35	.64	3.75	1.11	.32	.20	.16	.73
IN.	.37	.09	.70	2.27	.38	.73	4.19	1.28	.36	.23	.19	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1996, BY WATER YEAR (WY)

MEAN	239	511	548	539	703	1042	1083	957	428	124	49.1	139
MAX	2837	3572	2378	2557	2824	3100	3657	3516	4450	1909	583	1678
(WY)	1971	1974	1988	1932	1989	1973	1957	1957	1935	1958	1958	1974
MIN	.000	.13	1.95	3.31	18.8	25.2	94.6	41.3	7.00	.19	.000	.000
(WY)	1957	1957	1967	1956	1967	1967	1954	1977	1936	1936	1934	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1931 - 1996	
ANNUAL TOTAL	200959.17		131222.23			
ANNUAL MEAN	551		359		529	
HIGHEST ANNUAL MEAN					1090	1935
LOWEST ANNUAL MEAN					92.5	1954
HIGHEST DAILY MEAN	14700	May 8	9650	Apr 22	40000	Nov 24 1973
LOWEST DAILY MEAN	.00	Sep 7	.37	Sep 14	.00	Sep 8 1932
ANNUAL SEVEN-DAY MINIMUM	.06	Sep 6	1.5	Sep 10	.00	Sep 8 1932
INSTANTANEOUS PEAK FLOW			17500	Apr 22	80600	May 6 1960
INSTANTANEOUS PEAK STAGE			13.28	Apr 22	[a]30.30	May 6 1960
INSTANTANEOUS LOW FLOW			.15	Sep 15	.00	at times
ANNUAL RUNOFF (AC-FT)	398600		260300		383000	
ANNUAL RUNOFF (CFSM)	1.31		.85		1.26	
ANNUAL RUNOFF (INCHES)	17.80		11.62		17.10	
10 PERCENT EXCEEDS	1320		763		1200	
50 PERCENT EXCEEDS	225		92		130	
90 PERCENT EXCEEDS	10		18		2.2	

[a]At former site and datum
[e]Estimated

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN

LOCATION.--Lat 35°29'02", long 94°42'33", in SE1/4SW1/4, sec.3, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, in control house at dam on left bank, 2.8 mi northwest of Van Buren, and at mile 3.5.

DRAINAGE AREA.--432 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.

REMARKS.--Water-discharge records good, except estimated daily discharges which are fair. Records given herein represent spillway flow and do not include water diverted for municipal water supply of Fort Smith. Flow regulated by storage in Lee Creek Reservoir, capacity 7,118 acre-ft and power releases.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	50	29	114	222	44	693	857	149	16	79	16
2	.00	25	28	154	191	40	562	707	439	16	58	14
3	140	12	23	239	165	36	478	580	317	12	80	6.4
4	11	18	22	261	137	44	507	511	210	14	70	5.5
5	.00	27	18	258	133	45	695	432	188	21	37	5.5
6	.00	31	14	277	129	24	562	409	135	16	.80	2.4
7	.00	30	15	260	125	.46	502	434	122	16	4.7	.00
8	55	25	26	222	124	.92	438	448	99	12	5.0	.00
9	97	29	1.4	189	124	23	383	356	85	5.5	5.5	.00
10	38	30	4.1	185	121	37	323	295	80	5.5	5.5	.00
11	11	2.2	14	188	105	35	288	2440	74	20	5.5	.00
12	.00	6.9	16	332	98	36	319	1340	74	38	1.5	.00
13	.00	13	16	403	96	34	2420	821	57	222	.00	.00
14	38	22	18	347	84	30	1660	623	51	125	.00	.00
15	46	19	13	305	66	34	1010	502	43	155	.00	.00
16	.00	18	13	260	51	32	766	410	38	111	.00	.00
17	24	24	73	231	70	32	614	316	35	e60	162	.00
18	24	24	376	8300	73	51	525	252	29	16	254	.00
19	15	24	2060	3350	77	28	454	200	73	e.00	124	.00
20	2.6	24	1070	1610	66	38	392	163	67	e.00	79	.00
21	.00	20	601	1050	64	85	372	141	64	e.00	63	.00
22	.00	21	416	798	63	77	10400	163	63	e.00	47	.00
23	.23	25	301	697	52	72	11800	157	50	e.00	35	.00
24	.00	25	245	718	51	96	3700	113	37	e.00	30	.00
25	.00	31	201	619	56	85	2140	91	24	.00	32	.69
26	.00	32	175	525	55	238	1400	71	26	20	38	2350
27	11	22	149	427	52	230	1030	80	16	17	43	4840
28	6.4	16	125	363	34	1360	841	70	16	12	30	1000
29	30	25	112	327	42	1700	1380	64	16	7.7	23	573
30	54	28	121	285	---	769	1130	64	16	55	16	403
31	44	---	119	245	---	825	---	64	---	46	15	---
TOTAL	647.23	699.1	6414.5	23539	2726	6181.38	47784	13174	2693	1038.70	1343.50	9216.49
MEAN	20.9	23.3	207	759	94.0	199	1593	425	89.8	33.5	43.3	307
MAX	140	50	2060	8300	222	1700	11800	2440	439	222	254	4840
MIN	.00	2.2	1.4	114	34	.46	288	64	16	.00	.00	.00
AC-FT	1280	1390	12720	46690	5410	12260	94780	26130	5340	2060	2660	18280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	119	968	813	834	520	828	1379	1019	430	85.2	26.3	118
MAX	454	1978	1666	1407	908	1367	2178	1732	878	204	54.6	307
(WY)	1994	1995	1993	1995	1993	1994	1993	1995	1993	1994	1994	1996
MIN	.000	23.3	207	203	94.0	199	563	425	69.1	17.5	.000	.000
(WY)	1993	1996	1996	1994	1996	1996	1994	1996	1994	1993	1993	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	194847.83		115456.90			
ANNUAL MEAN	534		315		594	
HIGHEST ANNUAL MEAN					833	1993
LOWEST ANNUAL MEAN					315	1996
HIGHEST DAILY MEAN	17300	May 8	11800	Apr 23	18500	Dec 15 1992
LOWEST DAILY MEAN	.00	Aug 10	.00	Oct 1	.00	Oct 1 1992
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 10	.00	Jul 19	.00	Oct 1 1992
INSTANTANEOUS PEAK FLOW			19600	Apr 22	32000	Apr 14 1993
INSTANTANEOUS PEAK STAGE			23.13	Apr 22	24.23	Apr 14 1993
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	386500		229000		430400	
10 PERCENT EXCEEDS	1280		644		1430	
50 PERCENT EXCEEDS	184		52		160	
90 PERCENT EXCEEDS	.00		.00		.00	

eEstimated

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1992 to current year.

COOPERATION.--Power releases furnished by the City of Fort Smith.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
12...	1430	80513	81213	60	120	8.2	753	21.5	8.8	101	K10
DEC											
14...	0930	80513	81213	25	108	8.8	750	7.0	9.1	75	K3

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT											
12...	1430	27	23	39	13	1.6	3.6	16	0.3	1.5	5.3
DEC											
14...	0930	K1	K2	36	12	1.5	4.1	19	0.3	1.0	5.6

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT											
12...	1430	6.1	70	0.040	0.040	0.18	0.010	0.03	0.050	0.050	0.010
DEC											
14...	0930	7.6	68	--	--	--	0.010	0.03	--	<0.020	0.020

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
12...	1430	0.01	<0.20	<0.020	<0.020	<0.010	--	<0.100	15	2.4	97
DEC											
14...	0930	0.03	<0.20	<0.020	<0.020	0.010	0.03	3.00	9	0.61	95

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	1215	80513	80513	80.0	1.50	3.00	320
30...	1216	80513	80513	80.0	1.50	3.00	--
30...	1217	80513	80513	80.0	1.50	3.00	--
30...	1218	80513	80513	80.0	1.00	2.00	--
30...	1219	80513	80513	80.0	1.00	2.00	--
30...	1220	80513	80513	80.0	1.00	2.00	--
30...	1221	80513	80513	80.0	1.00	2.00	--
30...	1222	80513	80513	80.0	1.00	2.00	--
30...	1223	80513	80513	80.0	0.50	1.00	--
30...	1224	80513	80513	80.0	0.50	1.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	1215	73	7.2	6.0	11.4	92	755
30...	1216	73	7.2	6.0	11.2	90	755
30...	1217	72	7.2	6.0	11.1	90	755
30...	1218	70	7.1	6.0	11.1	90	755
30...	1219	70	7.1	6.0	11.1	90	755
30...	1220	65	7.1	6.0	11.1	89	755
30...	1221	58	7.0	6.0	11.2	91	755
30...	1222	55	7.0	6.0	11.4	92	755
30...	1223	49	7.0	6.0	11.3	91	755
30...	1224	45	6.8	5.5	11.3	91	755

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAR											
14...	1000	80513	81213	37	92	7.5	748	11.5	8.5	79	43
APR											
23...	1245	80513	81213	11400	48	6.8	758	13.5	9.8	94	1300
JUL											
31...	1430	80513	81213	95	115	8.9	752	28.5	5.7	74	78
SEP											
03...	1100	80513	81213	26	112	8.8	751	26.0	5.3	66	K10

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAR 14...	1000	33	230	36	12	1.5	3.0	15	0.2	0.80	5.7
APR 23...	1245	1000	2500	17	5.2	0.90	1.0	11	0.1	1.1	3.7
JUL 31...	1430	74	120	42	14	1.6	3.0	13	0.2	1.7	4.2
SEP 03...	1100	K6	35	42	14	1.7	3.6	15	0.2	1.4	4.3

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
MAR 14...	1000	5.2	52	0.600	<0.010	0.600	0.600	0.030	0.04	--
APR 23...	1245	1.8	40	0.320	<0.010	0.320	0.320	0.010	0.01	0.71
JUL 31...	1430	3.7	74	0.040	<0.010	0.040	0.040	0.019	0.02	0.22
SEP 03...	1100	4.7	64	--	<0.010	--	<0.020	0.012	0.02	--

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)
MAR 14...	1000	<0.20	--	<0.020	<0.020	<0.010	<0.100	21	2.1	70
APR 23...	1245	0.72	1.0	0.210	0.030	<0.010	<0.100	292	8990	83
JUL 31...	1430	0.24	0.28	<0.020	<0.020	<0.010	2.80	34	8.7	61
SEP 03...	1100	<0.20	--	<0.020	<0.020	<0.010	--	14	0.98	98

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W.,Sebastian County, Hydrologic Unit 11110104, in metal shelter on dam and at mile 308.9.

DRAINAGE AREA.--150,547 mi^2, of which 22,241 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Water-discharge records good, except for discharges below 10,000 ft^3/s, which are fair. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 19, 1988, the Arkansas Electric Cooperative Corporation hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11100	11700	1720	5250	9790	4570	14500	46200	24700	7780	9030	21900
2	12700	7670	1570	E12300	11300	8920	5840	38300	24400	9460	11000	11500
3	22700	1280	4330	E6950	3870	1010	13300	33300	14800	8790	20000	14100
4	16100	30	3660	E3370	8080	4440	12000	34200	12100	8280	11400	20000
5	23100	30	4580	E5540	13600	7210	6650	18600	22300	9460	13800	20500
6	20900	15	1370	E8620	6910	13500	11800	30300	29200	8930	12400	18300
7	10400	2550	2880	E5340	3990	13300	3760	32800	31300	9190	22000	12700
8	8320	1950	5630	E6400	6790	11600	8570	29500	31400	12100	35400	9010
9	6500	2520	5660	E3320	7330	3420	7510	26600	26900	14100	28300	13600
10	6290	2270	1470	11200	2380	2310	13600	13900	19500	10700	8470	10200
11	3290	3100	3770	10700	6460	3210	8390	29900	23700	17900	20900	E5030
12	9230	5490	3400	6060	3960	4290	7530	28600	19600	29200	24400	E4480
13	9730	1750	4390	1020	5290	6010	15900	22300	23000	25000	26500	7010
14	1710	1560	4620	1150	3250	5180	13900	17800	26700	15900	26900	5870
15	5700	4810	6950	4910	12700	3610	16000	29600	30400	19100	30500	E3350
16	7480	1470	30	5010	11000	30	16200	26300	19200	16000	18200	E22600
17	3380	3540	6690	5710	5290	785	11800	24600	26000	16900	32500	E5880
18	2230	4380	12200	42700	4760	14100	13100	15300	7170	23600	31700	6890
19	9220	1270	16600	33400	10700	9660	14800	13000	14600	17900	17400	8220
20	1650	4060	9130	15100	2650	4260	6950	14400	14300	15600	22600	7370
21	16	3130	7280	26400	8020	128	3090	16100	15500	14400	31600	7120
22	1100	3090	4360	17200	11200	2420	64000	13800	8020	17100	20700	9570
23	11000	2730	2350	20000	10800	974	114000	14400	4450	18000	14500	12000
24	3480	5550	2360	17900	2160	3110	80100	14500	12300	16000	12800	19800
25	2910	16	3970	12700	3770	13500	66200	14200	9560	22200	26600	18300
26	1110	2140	2330	31600	10000	8840	53800	6640	7700	11200	15400	58100
27	1690	3350	3710	11200	9730	5720	38600	E11000	12000	4980	17700	120000
28	2910	6450	4190	2780	7760	33400	40600	E15000	10000	3260	28100	66400
29	90	2960	7260	19900	10100	23000	61300	8800	13800	11500	28900	E48000
30	2140	2190	3790	13700	---	7450	51700	E21000	7770	20100	18400	E78000
31	1890	---	7670	15100	---	17200	---	15800	---	5800	22200	---
TOTAL	220066	93051	149920	382530	213640	237157	795490	676740	542370	440430	660300	665800
MEAN	7099	3102	4836	12340	7367	7650	26520	21830	18080	14210	21300	22190
MAX	23100	11700	16600	42700	13600	33400	114000	46200	31400	29200	35400	120000
MIN	16	15	30	1020	2160	30	3090	6640	4450	3260	8470	3350
AC-FT	436500	184600	297400	758700	423800	470400	1578000	1342000	1076000	873600	1310000	1321000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	26460	37020	37080	32470	32790	56330	60430	65790	61680	29680	16420	16290
MAX	224500	161200	139700	112300	87650	147200	164300	187500	191500	104500	62670	54130
(WY)	1987	1975	1993	1993	1993	1987	1973	1990	1995	1995	1992	1989
MIN	1446	1329	3187	696	2655	5658	2910	12160	4688	4457	4378	3341
(WY)	1981	1981	1981	1981	1981	1981	1981	1971	1988	1988	1991	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1970 - 1996	
ANNUAL TOTAL	20759309		5077494			
ANNUAL MEAN	56870		13870		[a]39370	
HIGHEST ANNUAL MEAN					87670	1993
LOWEST ANNUAL MEAN					7737	1981
HIGHEST DAILY MEAN	290000	Jun 15	120000	Sep 27	397000	May 5 1990
LOWEST DAILY MEAN	15	Nov 6	15	Nov 6	[b].00	[c]Nov 2 1975
ANNUAL SEVEN-DAY MINIMUM	1200	Nov 3	1200	Nov 3	364	Jan 14 1981
INSTANTANEOUS PEAK FLOW			131000	Sep 27	[d]401000	May 5 1990
INSTANTANEOUS PEAK STAGE			388.14	Sep 27	[e]401.75	May 5 1990
ANNUAL RUNOFF (AC-FT)	41180000		10070000		28520000	
10 PERCENT EXCEEDS	152000		29200		108000	
50 PERCENT EXCEEDS	38700		10100		22800	
90 PERCENT EXCEEDS	2670		2300		3100	

[a]Prior to regulation, water years 1928-69, 30,220 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Also Feb. 1, 1981; Oct. 17, 1987; Dec. 9, 1989; Nov. 11-12, 1993; and Jan. 9, 13, 1994
[d]Maximum discharge for period of record, 850,000 ft^3/s May 12, 1943
[e]Maximum gage height for period of record 38.10 ft, Apr. 16, 1945, at former site and datum
[E]Estimated

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
10...	1430	80513	81213	10500	690	8.6	754	23.0	9.5	113
DEC										
14...	1230	80513	81213	5990	610	8.5	750	8.5	9.5	82

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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										
10...	1430	K34	K26	K15	150	42	11	72	50	3
DEC										
14...	1230	34	34	K11	150	41	11	71	50	3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT									
10...	1430	5.2	57	110	402	0.310	0.310	1.4	0.010
DEC									
14...	1230	4.2	60	110	406	0.280	0.280	1.2	0.010

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT									
10...	1430	0.03	0.320	0.320	0.020	0.03	0.48	0.50	0.82
DEC									
14...	1230	0.03	0.290	0.290	0.030	0.04	0.44	0.47	0.76

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
10...	1430	0.080	0.060	0.060	0.18	2.00	74	2100	100
DEC									
14...	1230	0.070	0.030	0.050	0.15	3.00	35	566	65

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
JAN							
30...	0814	80513	80513	1000	7.50	15.0	20700
30...	0816	80513	80513	1000	7.50	15.0	--
30...	0817	80513	80513	1000	7.50	15.0	--
30...	0819	80513	80513	1000	7.50	15.0	--
30...	0820	80513	80513	1000	7.50	15.0	--
30...	0821	80513	80513	1000	7.50	15.0	--
30...	0822	80513	80513	1000	5.00	10.0	--
30...	0823	80513	80513	1000	4.00	8.00	--
30...	0824	80513	80513	1000	4.00	8.00	--
30...	0825	80513	80513	1000	4.00	8.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
30...	0814	545	7.7	4.0	13.2	103	755
30...	0816	540	7.8	4.5	13.3	103	755
30...	0817	546	7.9	4.0	12.8	99	755
30...	0819	542	7.9	4.0	13.3	103	755
30...	0820	538	7.9	4.0	13.2	103	755
30...	0821	543	8.0	4.0	13.3	103	755
30...	0822	548	8.0	4.0	13.2	102	755
30...	0823	551	8.0	4.0	13.1	102	755
30...	0824	551	8.0	4.0	12.8	99	755
30...	0825	554	8.0	4.0	13.0	101	755

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR 14...	1200	80513	81213	10200	810	8.8	748	9.5	12.4	111
MAY 22...	1330	80513	81213	28000	402	8.1	749	24.5	6.7	81
JUL 30...	1000	80513	81213	15100	650	8.6	754	29.5	5.0	67
AUG 27...	1130	80513	81213	15000	1300	8.6	752	28.5	5.5	72

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
MAR 14...	1200	<1	K7	K2	180	47	14	100	55	3
MAY 22...	1330	150	220	110	110	33	7.1	28	34	1
JUL 30...	1000	44	K36	670	130	34	9.8	72	55	3
AUG 27...	1130	K2900	K2600	230	190	49	17	180	66	6

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
MAR 14...	1200	4.0	70	160	482	--	--	--	<0.010
MAY 22...	1330	3.5	37	40	232	0.220	0.220	0.97	0.020
JUL 30...	1000	3.3	60	120	424	--	--	--	<0.010
AUG 27...	1130	4.9	89	290	824	--	--	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
MAR 14...	1200	--	--	<0.020	0.030	0.04	0.58	0.61	0.61
MAY 22...	1330	0.07	0.240	0.240	0.030	0.04	0.66	0.69	0.93
JUL 30...	1000	--	--	<0.020	0.067	0.09	0.51	0.58	0.58
AUG 27...	1130	--	--	--	<0.010	--	0.49	0.49	0.49

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 14...	1200	0.020	<0.020	0.010	0.03	12.0	81	2230	97
MAY 22...	1330	0.090	0.020	0.010	0.03	9.64	74	5590	94
JUL 30...	1000	0.030	<0.020	0.030	0.09	3.80	47	1920	98
AUG 27...	1130	0.090	0.030	<0.010	--	--	104	4210	98

07260500 PETIT JEAN RIVER AT DANVILLE

LOCATION.--Lat 35°03'33", long 93°23'44", in NW1/4SE1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on right bank 125 ft upstream of bridge on State Highway 10 at Danville, 0.3 mi upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 48.8.

DRAINAGE AREA.--764 mi².

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft above sea level. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. As of July 1986, flow from 51.6 mi² upstream from this station is controlled by 3 floodwater-detention reservoirs that have a total combined capacity of 23,737 acre-ft below the spillway crests, of which 16,361 acre-ft is flood-detention capacity, 4,500 acre-ft is water-supply storage, and 2,876 acre-ft is sediment-storage capacity. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	.99	1.4	44	223	19	1020	2140	2030	294	547	56
2	2.6	1.1	1.4	75	149	e19	994	2290	4380	290	369	56
3	2.8	1.2	1.4	393	124	17	959	2330	2070	173	240	56
4	129	1.2	1.4	463	118	16	580	2290	897	102	170	53
5	90	1.2	1.4	404	114	16	471	2210	1420	89	157	53
6	26	1.2	1.4	277	112	31	370	2220	1490	72	111	37
7	21	1.2	1.4	205	112	26	321	1810	1570	61	81	13
8	17	1.3	1.5	186	113	31	220	1970	1300	59	61	11
9	7.6	1.3	1.5	170	110	24	191	2200	957	59	50	13
10	5.0	1.3	1.5	160	108	26	184	2380	852	66	49	13
11	3.3	1.3	1.5	154	106	27	179	3670	314	66	47	12
12	2.3	1.3	1.6	149	101	28	179	3150	161	70	53	11
13	1.9	1.3	1.6	144	101	29	394	1630	121	72	43	11
14	1.7	1.3	1.6	143	101	27	669	2130	159	73	34	10
15	1.7	1.3	1.6	135	61	26	513	2280	175	104	31	17
16	1.6	1.3	1.6	130	27	27	1250	2360	164	129	32	91
17	1.5	1.3	12	371	25	26	1500	2220	157	149	33	79
18	1.5	1.3	189	532	24	30	1450	1310	225	146	34	278
19	1.4	1.3	356	589	26	75	1330	1040	111	140	37	365
20	1.3	1.3	767	413	19	160	897	1000	170	98	33	195
21	1.3	1.3	618	313	17	121	772	507	240	60	16	44
22	1.2	1.3	330	295	15	97	1270	300	230	56	8.6	33
23	1.2	1.3	159	294	18	83	4490	227	220	63	6.5	31
24	1.1	1.3	106	358	18	77	3560	201	151	61	60	39
25	1.1	1.3	97	895	15	121	1920	172	105	56	99	156
26	1.0	1.3	89	935	15	165	1760	155	73	165	104	236
27	1.0	1.3	80	763	17	405	1660	170	92	208	118	728
28	.98	1.3	74	670	17	509	1520	213	264	206	148	351
29	.95	1.3	70	310	20	737	1930	144	315	203	228	638
30	.93	1.3	62	239	---	1040	1980	128	304	224	179	677
31	.91	---	45	228	---	1050	---	118	---	240	89	---
TOTAL	334.17	37.99	3077.8	10437	2026	5085	34533	44965	20717	3854	3268.1	4363
MEAN	10.8	1.27	99.3	337	69.9	164	1151	1450	691	124	105	145
MAX	129	1.3	767	935	223	1050	4490	3670	4380	294	547	728
MIN	.91	.99	1.4	44	15	16	179	118	73	56	6.5	10
AC-FT	663	75	6100	20700	4020	10090	68500	89190	41090	7640	6480	8650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1996, BY WATER YEAR (WY)

MEAN	187	562	1147	1122	1275	1456	1350	1484	779	337	188	113
MAX	3261	3296	4004	3821	4941	3233	3821	6142	2801	2268	2101	1108
(WY)	1985	1973	1983	1950	1949	1973	1957	1990	1957	1957	1957	1950
MIN	1.03	1.27	3.84	3.82	25.2	82.5	106	46.4	26.9	2.49	4.07	6.79
(WY)	1947	1996	1966	1964	1967	1967	1963	1977	1966	1985	1947	1982

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1947 - 1996	
ANNUAL TOTAL	254320.76		132698.06			
ANNUAL MEAN	697		363		[a]831	
HIGHEST ANNUAL MEAN					1920	1973
LOWEST ANNUAL MEAN					187	1976
HIGHEST DAILY MEAN	6620	May 9	4490	Apr 23	26400	Dec 3 1982
LOWEST DAILY MEAN	.91	Oct 31	.91	Oct 31	.00	Aug 11 1956
ANNUAL SEVEN-DAY MINIMUM	.97	Oct 26	.97	Oct 26	.13	Nov 2 1988
INSTANTANEOUS PEAK FLOW			4960	Apr 23	[b]47500	Dec 3 1982
INSTANTANEOUS PEAK STAGE			20.67	Apr 23	[c]29.36	Dec 3 1982
INSTANTANEOUS LOW FLOW			.90	Nov 1	.00	Jan 1 1982
ANNUAL RUNOFF (AC-FT)	504400		263200		602300	
10 PERCENT EXCEEDS	2570		1280		2530	
50 PERCENT EXCEEDS	152		101		182	
90 PERCENT EXCEEDS	1.3		1.3		11	

[a]Prior to regulation, water years 1917-46, 845 ft³/s
[b]Maximum discharge for period of record, 70,800 ft³/s Apr. 17, 1939
[c]Maximum gage height for period of record, 31.82 ft Apr. 17, 1939
[e]Estimated

07261000 CADRON CREEK NEAR GUY

LOCATION.--Lat 35°17'56", long 92°24'10", in NW1/4SE1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e3.0	e13	81	e180	e145	e240	273	179	25	e8.0	.10
2	.22	e4.5	e9.0	122	e170	e140	e200	242	253	21	e5.5	.14
3	1.3	e2.2	e7.5	265	e160	e135	e185	218	238	19	e4.0	.06
4	2.8	e1.8	e6.0	234	e140	e130	e175	196	1090	21	e3.2	.05
5	3.9	e1.5	e5.2	193	e130	e125	e160	166	473	21	e2.3	.00
6	3.7	e1.3	3.8	158	e125	e120	e145	165	296	19	e1.8	.02
7	2.7	e3.0	3.2	140	e120	e115	e135	664	701	17	e1.5	.00
8	2.3	e6.0	3.3	120	e115	e110	e130	411	715	15	e1.3	.03
9	1.4	e5.0	4.8	119	e110	e105	e120	295	445	13	e1.1	.00
10	.90	e3.5	3.7	112	e105	e100	e110	248	315	12	e1.0	.02
11	.69	e4.0	3.9	108	e100	e97	e250	280	241	10	e.90	.00
12	.47	e4.5	4.5	109	e98	e95	e600	267	202	9.4	e.80	.00
13	.30	e5.5	4.6	103	e96	e90	e330	223	221	8.3	e1.4	.00
14	.27	e6.5	4.8	94	e93	e90	e210	206	252	6.9	e1.6	.00
15	.18	e7.0	5.2	91	e91	e100	189	193	229	6.4	e1.1	.20
16	.06	e6.9	5.1	85	e90	e110	186	178	203	5.5	e.80	1.8
17	e.00	e6.8	76	e120	e90	e130	174	161	193	4.5	e.70	.49
18	e.00	e6.6	1470	e150	e110	e150	162	148	e155	4.2	e.60	.08
19	e.02	e5.4	662	e200	e150	e140	149	140	e125	5.6	e1.2	1.0
20	e.07	e5.0	421	e350	e210	e130	328	130	e105	4.0	e3.5	6.4
21	e.20	e5.2	237	e200	e200	e120	369	119	e85	3.3	e2.4	19
22	e.65	e5.4	177	e170	e190	e115	348	114	e70	2.3	e1.6	25
23	e.60	e5.8	142	e250	e180	e110	1230	137	e57	1.8	1.2	30
24	e.55	e6.2	122	e400	e175	e350	761	127	e47	.98	.99	25
25	e.50	e6.6	105	e600	e170	e900	484	114	e39	.47	1.7	20
26	e.60	e7.2	96	e450	e165	e600	356	101	e34	1.5	13	24
27	e.70	e7.6	87	e350	e160	e450	282	150	e29	4.5	5.2	53
28	e.90	e8.0	78	e300	e155	e390	246	266	e29	5.2	2.7	78
29	e1.1	e10	71	e250	e150	e350	329	185	e28	10	1.4	55
30	e1.3	e12	70	e220	---	e280	347	147	e27	16	.58	42
31	e1.7	---	75	e200	---	e250	---	126	---	11	.21	---
TOTAL	30.08	164.0	3976.6	6344	4028	6272	8930	6390	7076	304.85	73.28	381.39
MEAN	.97	5.47	128	205	139	202	298	206	236	9.83	2.36	12.7
MAX	3.9	12	1470	600	210	900	1230	664	1090	25	13	78
MIN	.00	1.3	3.2	81	90	90	110	101	27	.47	.21	.00
AC-FT	60	325	7890	12580	7990	12440	17710	12670	14040	605	145	756
CFSM	.01	.03	.76	1.21	.82	1.20	1.76	1.22	1.40	.06	.01	.08
IN.	.01	.04	.88	1.40	.89	1.38	1.97	1.41	1.56	.07	.02	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	80.4	291	429	382	464	554	490	395	150	41.2	46.0	59.6
MAX	872	1318	1875	1679	1498	1542	1818	1606	867	333	1145	523
(WY)	1985	1958	1983	1991	1956	1975	1973	1968	1974	1960	1957	1977
MIN	.000	.000	6.97	21.0	49.6	91.8	81.1	33.4	5.25	.98	.094	.025
(WY)	1955	1955	1955	1955	1963	1972	1960	1988	1988	1985	1980	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	49744.05		43970.20			
ANNUAL MEAN	136		120		281	
HIGHEST ANNUAL MEAN					566	1973
LOWEST ANNUAL MEAN					120	1996
HIGHEST DAILY MEAN	3740	Apr 11	1470	Dec 18	14800	Dec 4 1982
LOWEST DAILY MEAN	.00	Sep 1	.00	Oct 1	.00	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 5	.01	Sep 7	.00	Oct 1 1954
INSTANTANEOUS PEAK FLOW			2680	Dec 18	24200	Dec 4 1982
INSTANTANEOUS PEAK STAGE			8.51	Dec 18	29.29	Dec 4 1982
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	98670		87210		203500	
ANNUAL RUNOFF (CFSM)	.81		.71		1.66	
ANNUAL RUNOFF (INCHES)	10.95		9.68		22.58	
10 PERCENT EXCEEDS	308		286		657	
50 PERCENT EXCEEDS	36		79		95	
90 PERCENT EXCEEDS	.10		.60		1.5	

eEstimated

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION

LOCATION.--Lat 34°52'33, long 92°46'28", in SE1/4NE1/4 sec.26, T.3 N., R.17 W., Perry County, Hydrologic Unit 11110207, near left bank on downstream side of State Highway 9 bridge 0.4 mi south of Williams Junction.

DRAINAGE AREA.--46.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 386.45 ft above sea level.

REMARKS.--Water-discharge records fair, except for those below 2.0 ft^3/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	4.4	e3.1	31	e20	27	74	18	58	1.1	4.7	.22
2	.00	9.2	e2.9	213	e18	23	59	14	46	.85	3.5	.21
3	.00	8.4	e2.7	141	e17	20	49	11	22	.58	2.8	.21
4	.00	5.4	e2.6	78	e16	17	41	9.1	18	.65	2.2	.09
5	.00	3.4	e2.5	51	e15	17	33	7.4	31	.94	1.6	.00
6	.00	3.4	e2.3	39	14	26	28	7.6	84	1.1	1.1	.00
7	.00	3.9	e2.2	e34	13	19	26	34	944	1.1	.90	.00
8	.00	2.7	e3.5	e29	12	16	23	30	170	.89	.82	.03
9	.00	3.1	e3.0	24	12	14	20	17	82	.77	1.5	.09
10	.00	5.4	e2.5	22	11	12	18	13	51	.67	5.7	.04
11	.00	13	e2.1	20	10	12	17	135	34	.71	3.5	.02
12	.00	8.0	e1.9	18	9.1	11	31	98	24	.81	2.4	.00
13	.00	6.5	e1.7	16	8.7	11	244	54	26	.76	1.4	.00
14	.00	5.3	e1.6	15	8.3	10	182	37	19	.79	.90	.00
15	.00	4.3	1.4	13	7.8	10	125	27	14	.76	.64	.00
16	.00	4.1	1.7	12	7.4	9.1	84	18	12	.62	.37	.00
17	.00	3.8	68	12	7.3	8.8	62	13	9.3	.61	.18	.00
18	.00	4.1	114	24	7.0	44	49	9.2	7.8	.52	.47	.00
19	.00	4.2	106	36	8.3	88	41	6.8	6.3	.46	.62	.00
20	.00	3.2	54	34	9.8	61	124	5.3	5.4	.28	.55	.30
21	.00	4.1	33	29	9.5	46	99	19	4.4	.46	.55	1.7
22	.00	2.6	24	26	9.1	37	224	28	3.6	1.3	.40	1.5
23	.00	5.2	18	57	8.8	31	291	13	3.0	1.5	.32	1.2
24	.00	4.7	15	119	8.0	39	147	7.3	2.4	7.1	.35	4.1
25	.00	e4.5	13	79	7.4	140	90	4.9	1.9	2.8	.40	14
26	.00	e4.2	11	59	7.4	92	56	3.7	2.6	2.5	.25	17
27	.00	e3.9	9.8	42	41	66	36	8.6	3.8	2.0	.52	62
28	.00	e3.7	8.8	33	46	72	28	9.4	3.0	1.7	.76	55
29	.00	e3.5	8.0	29	33	70	39	5.6	2.0	2.4	.62	27
30	.00	e3.3	8.2	25	---	68	26	4.0	1.5	9.1	.42	17
31	.00	---	8.7	22	---	104	---	3.4	---	7.6	.28	---
TOTAL	0.00	145.5	537.2	1382	401.9	1220.9	2366	671.3	1692.0	53.43	40.72	201.71
MEAN	.000	4.85	17.3	44.6	13.9	39.4	78.9	21.7	56.4	1.72	1.31	6.72
MAX	.00	13	114	213	46	140	291	135	944	9.1	5.7	62
MIN	.00	2.6	1.4	12	7.0	8.8	17	3.4	1.5	.28	.18	.00
AC-FT	.00	289	1070	2740	797	2420	4690	1330	3360	106	81	400
CFSM	.00	.11	.38	.97	.30	.85	1.71	.47	1.22	.04	.03	.15
IN.	.00	.12	.43	1.12	.32	.99	1.91	.54	1.37	.04	.03	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	23.3	51.6	130	119	84.1	106	125	88.8	23.4	12.0	2.49	3.37
MAX	85.9	132	222	228	246	256	247	257	56.4	47.3	12.9	10.7
(WY)	1991	1992	1992	1991	1990	1990	1991	1990	1996	1994	1992	1991
MIN	.000	3.97	3.53	44.6	13.9	39.4	8.26	1.20	6.94	.016	.000	.000
(WY)	1993	1990	1990	1996	1996	1996	1992	1992	1994	1990	1990	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	14691.33		8712.66			
ANNUAL MEAN	40.3		23.8		64.1	
HIGHEST ANNUAL MEAN					91.9	1990
LOWEST ANNUAL MEAN					23.8	1996
HIGHEST DAILY MEAN	1200	Jan 13	944	Jun 7	2620	Dec 3 1993
LOWEST DAILY MEAN	.00	Jul 28	.00	Oct 1	.00	Jul 4 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 28	.00	Oct 1	.00	Jul 4 1990
INSTANTANEOUS PEAK FLOW			2620	Jun 7	6450	Dec 3 1993
INSTANTANEOUS PEAK STAGE			8.83	Jun 7	12.19	Dec 3 1993
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	29140		17280		46410	
ANNUAL RUNOFF (CFSM)	.87		.52		1.39	
ANNUAL RUNOFF (INCHES)	11.86		7.03		18.88	
10 PERCENT EXCEEDS	93		60		147	
50 PERCENT EXCEEDS	11		7.5		13	
90 PERCENT EXCEEDS	.00		.00		.00	

eEstimated

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	1030	80513	81213	28	6.6	757	9.5	15	2.8	9.4	82
FEB 05...	1100	80513	81213	20	6.5	758	1.0	10	3.8	13.3	93
APR 04...	1200	80513	81213	23	6.8	759	13.5	10	4.1	9.7	94
MAY 08...	1045	80513	81213	23	6.1	747	20.5	30	6.8	8.1	92
JUN 07...	0845	80513	81213	21	7.2	750	18.5	80	41	8.7	94
JUL 08...	1100	80513	81213	34	6.1	740	27.5	30	2.5	5.9	78

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
DEC 05...	1030	130	68	9	1.4	1.4	1.6	25	0.2	0.80	9
FEB 05...	1100	<1	<1	6	0.90	1.0	1.1	26	0.2	0.40	6
APR 04...	1200	<1	20	6	0.90	0.90	1.5	34	0.3	0.40	5
MAY 08...	1045	98	42	7	1.1	1.1	1.6	31	0.3	0.50	8
JUN 07...	0845	4900	K1300	7	1.2	0.90	<0.10	--	--	0.80	50
JUL 08...	1100	28	440	13	2.0	2.0	2.0	24	0.2	0.70	13

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC 05...	1030	3.9	2.2	<0.10	4.9	10	22	0.01	--	--	--
FEB 05...	1100	2.9	2.2	<0.10	6.2	<1	18	0.02	0.006	0.006	0.03
APR 04...	1200	2.6	1.9	<0.10	5.8	18	17	0.02	0.002	0.002	0.01
MAY 08...	1045	2.0	1.9	<0.10	6.3	22	19	0.03	0.002	0.002	0.01
JUN 07...	0845	2.5	0.90	<0.10	5.4	34	--	--	0.021	0.021	0.09
JUL 08...	1100	1.3	2.6	<0.10	5.0	34	24	0.05	0.029	0.029	0.13

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
DEC 05...	1030	0.001	0.00	--	<0.002	<0.002	--	--	<0.20	--	0.007
FEB 05...	1100	0.001	0.00	0.007	0.007	0.003	0.00	--	<0.20	--	0.005
APR 04...	1200	0.001	0.00	0.003	0.003	0.003	0.00	--	<0.20	--	0.005
MAY 08...	1045	0.001	0.00	0.003	0.003	<0.002	--	--	<0.20	--	0.010
JUN 07...	0845	0.004	0.01	0.025	0.025	0.011	0.01	0.46	0.47	0.50	0.050
JUL 08...	1100	0.001	0.00	0.030	0.030	0.009	0.01	--	<0.20	--	0.020

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC 05...	1030	<0.001	--	2.5	2.3	170	260	12	10	<0.10	--
FEB 05...	1100	<0.001	--	0.60	<0.10	96	130	5	4.4	<0.10	7
APR 04...	1200	0.001	0.00	0.80	0.80	150	150	8	5.2	<0.10	12
MAY 08...	1045	<0.001	--	5.0	4.1	280	490	23	15	<0.10	13
JUN 07...	0845	0.004	0.01	7.7	7.6	350	1100	100	74	<0.10	63
JUL 08...	1100	<0.001	--	6.1	5.7	550	850	55	38	<0.10	--

07263297 LAKE MAUMELLE EAST OF HWY 10 BRIDGE NEAR WYE

LOCATION.--Lat 34°52'31", long 92°38'53", in SW1/4NW1/4 sec.30, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, downstream from bridge on State Highway 10, 4.3 mi south of Wye.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	1038	80513	80513	0.0	16.2	22	7.3	9.0	11.6	100	767
07...	1042	80513	80513	5.00	16.2	22	6.9	9.0	10.8	93	767
07...	1043	80513	80513	10.0	16.2	23	6.8	8.5	10.8	92	767
07...	1044	80513	80513	15.0	16.2	23	6.7	8.5	10.8	92	767
07...	1045	80513	80513	16.0	16.2	23	6.8	9.0	10.7	92	767
07...	1100	80513	81213	--	16.2	22	6.9	--	--	--	767
FEB											
06...	1050	80513	80513	0.0	7.0	23	6.8	2.5	13.6	99	770
06...	1051	80513	80513	5.00	7.0	23	6.7	3.0	12.5	92	770
06...	1052	80513	80513	7.00	7.0	23	6.7	3.0	12.1	89	770
06...	1100	80513	81213	--	7.0	23	6.7	--	--	--	770
APR											
08...	1102	80513	80513	0.0	17.0	23	6.6	12.5	10.3	97	759
08...	1103	80513	80513	5.00	17.0	23	6.6	12.5	10.1	96	759
08...	1104	80513	80513	10.0	17.0	23	6.5	12.5	10.2	96	759
08...	1105	80513	80513	15.0	17.0	23	6.5	12.5	10.1	95	759
08...	1106	80513	80513	16.0	17.0	23	6.5	12.5	10.1	95	759
08...	1120	80513	81213	--	17.0	23	6.5	--	--	--	759
MAY											
06...	1123	80513	80513	0.0	19.0	24	6.5	20.5	8.8	99	760
06...	1124	80513	80513	5.00	19.0	24	6.5	20.0	9.0	98	760
06...	1125	80513	80513	10.0	19.0	24	6.3	19.0	8.6	93	760
06...	1126	80513	80513	12.0	19.0	24	6.2	18.0	8.0	85	760
06...	1127	80513	80513	15.0	19.0	24	6.0	17.5	6.9	72	760
06...	1129	80513	80513	19.0	19.0	24	6.0	17.5	6.3	65	760
06...	1135	80513	81213	--	19.0	24	6.2	--	--	--	760
JUL											
09...	1117	80513	80513	0.0	20.0	25	6.1	29.0	6.3	82	757
09...	1118	80513	80513	5.00	20.0	25	6.1	28.5	6.3	82	757
09...	1119	80513	80513	10.0	20.0	25	5.9	27.5	4.6	59	757
09...	1120	80513	80513	12.0	20.0	27	5.7	26.5	1.7	22	757
09...	1121	80513	80513	15.0	20.0	31	5.7	26.0	0.2	3	757
09...	1123	80513	80513	20.0	20.0	39	6.0	25.0	0.1	1	757
09...	1130	80513	81213	--	20.0	24	5.9	--	--	--	757
SEP											
10...	1126	80513	80513	0.0	24.0	25	6.2	27.5	6.4	81	761
10...	1127	80513	80513	5.00	24.0	25	6.2	27.0	6.2	78	761
10...	1128	80513	80513	10.0	24.0	25	6.1	26.5	6.2	78	761
10...	1129	80513	80513	15.0	24.0	26	6.0	26.5	6.0	74	761
10...	1130	80513	80513	20.0	24.0	26	6.1	26.5	6.0	74	761
10...	1131	80513	80513	24.0	24.0	26	6.0	26.5	5.8	72	761
10...	1140	80513	81213	--	24.0	--	--	--	--	--	761

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
07...	1038	--	--	--	--	1.10	--	--	--	--	--
07...	1100	0.0	16	10	7.4	--	K1	K2	7	6	0.002
FEB											
06...	1050	--	--	--	--	1.60	--	--	--	--	--
06...	1100	0.0	7.0	10	4.9	--	<1	<1	6	38	--
APR											
08...	1102	--	--	--	--	1.30	--	--	--	--	--
08...	1120	0.0	17	10	5.6	--	K1	<1	7	16	0.005
MAY											
06...	1123	--	--	--	--	1.70	--	--	--	--	--
06...	1135	0.0	18	10	2.7	--	<1	<1	6	18	--
JUL											
09...	1117	--	--	--	--	1.10	--	--	--	--	--
09...	1130	0.0	18	20	3.8	--	<1	K2	7	24	--
SEP											
10...	1126	--	--	--	--	1.10	--	--	--	--	--
10...	1140	0.0	24	5	5.1	--	K4	K10	7	20	--

07263297 LAKE MAUMELLE EAST OF HWY 10 BRIDGE NEAR WYE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
07...	1100	0.002	0.01	0.001	0.00	0.003	0.003	0.002	0.00	0.27
FEB										
06...	1100	--	--	0.001	0.00	--	<0.002	0.004	0.01	--
APR										
08...	1120	0.005	0.02	0.001	0.00	0.006	0.006	0.006	0.01	--
MAY										
06...	1135	--	--	<0.001	--	--	<0.002	0.003	0.00	0.20
JUL										
09...	1130	--	--	0.001	0.00	--	<0.002	0.003	0.00	0.20
SEP										
10...	1140	--	--	0.001	0.00	--	<0.002	0.006	0.01	--

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
07...	1100	0.27	0.27	0.015	<0.001	2.4	440	52	2.2	3.00
FEB										
06...	1100	<0.20	--	0.006	<0.001	1.1	180	22	<0.10	3.00
APR										
08...	1120	<0.20	--	0.011	<0.001	1.5	240	29	1.5	1.00
MAY										
06...	1135	0.20	0.20	0.010	<0.001	4.1	160	34	3.5	1.50
JUL										
09...	1130	0.20	0.20	0.020	<0.001	5.2	270	140	4.7	2.21
SEP										
10...	1140	<0.20	--	0.010	<0.001	6.0	280	92	5.8	3.20

07263299 LAKE MAUMELLE NEAR LITTLE ITALY

LOCATION.--Lat 34°43'34", long 92°34'35", in SW1/4NW1/4 sec.26, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, on Lake Maumelle, 4.0 mi southwest of Little Italy.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	0924	80513	80513	0.0	40.0	22	6.8	11.0	10.5	96	757
07...	0925	80513	80513	5.00	40.0	22	6.7	11.0	10.3	94	757
07...	0926	80513	80513	10.0	40.0	22	6.6	11.0	10.2	93	757
07...	0927	80513	80513	15.0	40.0	22	6.6	11.0	10.2	93	757
07...	0928	80513	80513	20.0	40.0	22	6.6	11.0	10.1	92	757
07...	0929	80513	80513	25.0	40.0	22	6.5	11.0	10.2	93	757
07...	0930	80513	80513	30.0	40.0	22	6.6	11.0	10.1	92	757
07...	0931	80513	80513	35.0	40.0	22	6.5	11.0	10.1	92	757
07...	0932	80513	80513	40.0	40.0	22	6.5	11.0	10	91	757
07...	0945	80513	81213	--	40.0	22	6.8	--	--	--	757
FEB											
06...	0758	80513	80513	0.0	26.0	22	6.3	3.0	11.9	88	770
06...	0759	80513	80513	5.00	26.0	22	6.4	3.0	11.7	86	770
06...	0800	80513	80513	10.0	26.0	22	6.4	3.0	11.5	84	770
06...	0802	80513	80513	15.0	26.0	22	6.5	3.0	11.1	81	770
06...	0803	80513	80513	20.0	26.0	22	6.5	3.0	10.8	80	770
06...	0805	80513	80513	25.0	26.0	22	6.5	3.0	10.5	78	770
06...	0806	80513	80513	26.0	26.0	22	6.5	3.0	10.4	77	770
06...	0820	80513	81213	--	26.0	22	6.5	--	--	--	770
APR											
08...	0748	80513	80513	0.0	42.0	22	6.5	11.5	10.4	96	759
08...	0749	80513	80513	5.00	42.0	22	6.5	12.0	10.4	96	759
08...	0750	80513	80513	10.0	42.0	22	6.5	12.0	10.4	96	759
08...	0751	80513	80513	15.0	42.0	22	6.5	11.5	10.3	95	759
08...	0752	80513	80513	20.0	42.0	22	6.5	11.5	10.3	95	759
08...	0753	80513	80513	25.0	42.0	22	6.5	11.5	10.1	93	759
08...	0755	80513	80513	30.0	42.0	22	6.4	11.5	10.0	92	759
08...	0756	80513	80513	35.0	42.0	22	6.4	11.5	10	92	759
08...	0757	80513	80513	40.0	42.0	22	6.3	11.5	9.9	91	759
08...	0758	80513	80513	42.0	42.0	22	6.4	11.5	9.8	90	759
08...	0820	80513	81213	--	42.0	22	6.5	--	--	--	759

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
07...	0924	--	--	--	--	1.60	--	--	--	--	--
07...	0945	0.0	40	10	4.8	--	K1	K1	6	4	0.007
FEB											
06...	0758	--	--	--	--	1.70	--	--	--	--	--
06...	0820	0.0	26	10	3.3	--	K2	K1	7	8	--
APR											
08...	0748	--	--	--	--	2.10	--	--	--	--	--
08...	0820	0.0	42	5	1.8	--	<1	<1	6	--	0.006

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
07...	0945	0.007	0.03	0.001	0.00	0.008	0.008	0.003	0.00	0.25
FEB										
06...	0820	--	--	0.001	0.00	--	<0.002	0.005	0.01	0.24
APR										
08...	0820	0.006	0.03	0.001	0.00	0.007	0.007	0.009	0.01	--

07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
07...	0945	0.25	0.26	0.013	<0.001	2.2	330	56	2.1	4.00
FEB										
06...	0820	0.24	0.24	0.009	<0.001	<0.10	160	26	<0.10	6.00
APR										
08...	0820	<0.20	--	0.009	<0.001	6.1	150	36	6.0	1.00

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY											
06...	0816	80513	80513	0.0	44.0	24	6.0	21.0	9.1	102	760
06...	0817	80513	80513	5.00	44.0	24	6.2	20.5	9.0	100	760
06...	0818	80513	80513	10.0	44.0	24	6.3	20.0	9.0	99	760
06...	0820	80513	80513	12.0	44.0	24	6.3	19.5	9.0	98	760
06...	0821	80513	80513	15.0	44.0	24	6.3	18.5	8.8	94	760
06...	0822	80513	80513	20.0	44.0	24	6.3	17.5	8.2	85	760
06...	0823	80513	80513	25.0	44.0	24	6.2	17.0	7.3	76	760
06...	0824	80513	80513	30.0	44.0	24	6.1	17.0	7.0	73	760
06...	0825	80513	80513	35.0	44.0	24	6.1	17.0	7.0	72	760
06...	0826	80513	80513	40.0	44.0	24	6.0	16.5	6.7	69	760
06...	0827	80513	80513	44.0	44.0	24	6.1	16.5	6.4	65	760
06...	0840	80513	81213	--	44.0	24	6.3	--	--	--	760
06...	0850	80513	81213	--	44.0	24	6.1	--	--	--	760
JUL											
09...	0811	80513	80513	0.0	43.0	24	6.6	29.5	7.2	95	757
09...	0812	80513	80513	5.00	43.0	24	6.6	29.5	7.2	95	757
09...	0813	80513	80513	10.0	43.0	24	6.7	29.5	7.0	93	757
09...	0814	80513	80513	15.0	43.0	24	6.6	29.5	7.0	93	757
09...	0816	80513	80513	16.0	43.0	24	6.0	27.5	5.0	64	757
09...	0817	80513	80513	17.0	43.0	25	5.7	26.0	4.1	50	757
09...	0818	80513	80513	18.0	43.0	24	5.6	24.5	3.3	40	757
09...	0820	80513	80513	20.0	43.0	25	5.5	24.0	2.1	25	757
09...	0821	80513	80513	22.0	43.0	26	5.5	23.0	0.7	9	757
09...	0823	80513	80513	24.0	43.0	27	5.5	22.5	0.3	3	757
09...	0824	80513	80513	25.0	43.0	34	5.7	21.5	0.1	1	757
09...	0827	80513	80513	26.0	43.0	40	6.1	20.0	0.1	1	757
09...	0828	80513	80513	28.0	43.0	49	6.3	19.0	0.1	1	757
09...	0829	80513	80513	30.0	43.0	51	6.4	18.5	0.1	1	757
09...	0830	80513	80513	35.0	43.0	52	6.5	18.5	0.1	1	757
09...	0831	80513	80513	40.0	43.0	51	6.5	18.0	0.0	1	757
09...	0832	80513	80513	43.0	43.0	52	6.5	18.0	0.0	1	757
09...	0835	80513	81213	--	43.0	24	6.6	--	--	--	757
09...	0840	80513	81213	--	43.0	49	6.4	--	--	--	757
SEP											
10...	1023	80513	80513	0.0	34.0	25	6.7	27.5	7.6	96	761
10...	1024	80513	80513	5.00	34.0	25	6.8	27.5	7.6	96	761
10...	1025	80513	80513	10.0	34.0	25	6.7	27.5	7.5	95	761
10...	1026	80513	80513	15.0	34.0	25	6.7	27.5	7.5	94	761
10...	1027	80513	80513	20.0	34.0	26	6.2	26.5	6.1	77	761
10...	1028	80513	80513	23.0	34.0	28	5.8	25.5	2.6	31	761
10...	1029	80513	80513	24.0	34.0	29	5.8	24.5	1.4	17	761
10...	1034	80513	80513	34.0	34.0	94	6.9	20.0	0.1	1	761
10...	1045	80513	81213	--	34.0	--	--	--	--	--	761

07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
MAY											
06...	0816	--	--	--	--	1.90	--	--	--	--	--
06...	0840	0.0	15	5	2.5	--	<1	K3	4	20	--
06...	0850	18	42	10	2.4	--	<1	<1	5	18	--
JUL											
09...	0811	--	--	--	--	2.90	--	--	--	--	--
09...	0835	0.0	15	10	1.1	--	<1	K3	6	24	--
09...	0840	30	42	30	1.6	--	<1	K3	8	28	--
SEP											
10...	1023	--	--	--	--	3.50	--	--	--	--	--
10...	1045	0.0	18	<5	1.1	--	K3	<1	6	12	--
10...	1100	24	33	30	4.2	--	<1	<1	8	26	0.001

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY											
06...	0840	--	--	<0.001	--	--	<0.002	0.003	0.00	0.23	0.23
06...	0850	--	--	<0.001	--	--	<0.002	0.004	0.01	0.27	0.27
JUL											
09...	0835	--	--	0.001	0.00	--	<0.002	0.002	0.00	--	<0.20
09...	0840	--	--	0.001	0.00	--	<0.002	0.032	0.04	--	<0.20
SEP											
10...	1045	--	--	0.001	0.00	--	<0.002	0.005	0.01	--	<0.20
10...	1100	0.001	0.00	0.002	0.01	0.003	0.003	0.063	0.08	--	<0.20

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY										
06...	0840	0.23	0.009	--	<0.001	4.4	120	25	3.5	--
06...	0850	0.27	0.009	--	<0.001	4.5	140	33	3.5	--
JUL										
09...	0835	--	0.010	--	<0.001	4.9	40	26	4.5	--
09...	0840	--	0.010	--	<0.001	5.1	750	620	4.6	--
SEP										
10...	1045	--	0.005	--	<0.001	6.0	50	37	4.8	2.50
10...	1100	--	0.010	0.00	0.001	6.9	1300	1100	6.3	--

072632995 LAKE MAUMELLE NEAR NATURAL STEPS

LOCATION.--Lat 34°51'39, long 92°30'07", in NE1/4NW1/4 sec.33, T.3 N., R.14 W., Pulaski County, Hydrologic Unit 11110207, at dam on Lake Maumelle, at Natural Steps.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
07...	0830	80513	80513	0.0	31.3	23	6.4	11.0	10.3	93	767
07...	0834	80513	80513	5.00	31.3	23	6.6	11.5	9.9	90	767
07...	0835	80513	80513	10.0	31.3	23	6.6	11.5	9.9	89	767
07...	0836	80513	80513	15.0	31.3	23	6.6	11.5	9.8	89	767
07...	0837	80513	80513	20.0	31.3	23	6.6	11.5	9.8	89	767
07...	0838	80513	80513	25.0	31.3	23	6.6	11.5	9.7	88	767
07...	0839	80513	80513	30.0	31.3	23	6.6	11.5	9.7	88	767
07...	0840	80513	80513	31.0	31.3	23	6.6	11.5	9.6	87	767
07...	0900	80513	81213	--	31.3	23	6.4	--	--	--	767
FEB											
06...	0851	80513	80513	0.0	46.0	22	6.7	2.5	12.1	88	770
06...	0852	80513	80513	5.00	46.0	22	6.7	2.5	11.7	85	770
06...	0853	80513	80513	10.0	46.0	22	6.6	3.0	11.4	83	770
06...	0854	80513	80513	15.0	46.0	22	6.6	3.0	11.0	81	770
06...	0855	80513	80513	20.0	46.0	22	6.7	3.0	10.8	79	770
06...	0856	80513	80513	25.0	46.0	22	6.6	3.0	10.5	77	770
06...	0857	80513	80513	30.0	46.0	22	6.7	3.5	10.3	76	770
06...	0858	80513	80513	35.0	46.0	22	6.6	3.5	10.1	75	770
06...	0859	80513	80513	40.0	46.0	22	6.6	3.5	10.0	75	770
06...	0900	80513	80513	45.0	46.0	23	6.6	3.5	10	74	770
06...	0901	80513	80513	46.0	46.0	22	6.6	3.5	10	75	770
06...	0910	80513	81213	--	46.0	22	6.6	--	--	--	770
APR											
08...	0923	80513	80513	0.0	32.0	22	6.9	12.0	10.8	100	759
08...	0924	80513	80513	5.00	32.0	22	6.9	12.0	10.7	99	759
08...	0925	80513	80513	10.0	32.0	22	6.8	11.5	10.7	99	759
08...	0926	80513	80513	15.0	32.0	22	6.8	11.5	10.7	98	759
08...	0927	80513	80513	20.0	32.0	22	6.7	11.5	10.6	98	759
08...	0928	80513	80513	25.0	32.0	22	6.7	11.5	10.6	98	759
08...	0929	80513	80513	30.0	32.0	22	6.7	11.5	10.5	97	759
08...	0930	80513	80513	32.0	32.0	22	6.6	11.0	10	91	759
08...	0945	80513	81213	--	32.0	23	6.8	--	--	--	759

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
DEC										
07.	0830	--	--	--	--	1.60	--	--	--	--
07.	0900	0.0	31	10	3.6	--	K1	K1	8	1.1
FEB										
06.	0851	--	--	--	--	2.00	--	--	--	--
06.	0910	0.0	46	10	3.6	--	K1	K1	7	1.0
APR										
08.	0923	--	--	--	--	2.20	--	--	--	--
08.	0945	0.0	32	5	2.0	--	<1	<1	7	1.0

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
DEC										
07.	0900	1.3	1.5	27	0.2	0.60	6	2.8	1.9	<0.10
FEB										
06.	0910	1.2	1.4	27	0.2	0.50	5	3.1	2.0	<0.10
APR										
08.	0945	1.1	1.4	28	0.2	0.60	7	3.4	2.0	<0.10

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)
DEC										
07.	0900	0.80	6	14	0.01	0.001	0.001	0.00	0.001	0.00
FEB										
06.	0910	1.6	20	14	0.03	--	--	--	0.001	0.00
APR										
08.	0945	1.2	22	15	0.03	0.002	0.002	0.01	0.001	0.00

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DEC										
07.	0900	0.002	0.002	0.005	0.01	0.26	0.26	0.26	0.013	<0.001
FEB										
06.	0910	--	<0.002	0.004	0.01	0.21	0.21	0.21	0.009	<0.001
APR										
08.	0945	0.003	0.003	0.006	0.01	0.23	0.24	0.24	0.009	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
DEC									
07.	0900	1.7	40	290	62	1.6	<0.10	2.0	2.00
FEB									
06.	0910	0.20	34	150	26	4.2	<0.10	<0.10	7.00
APR									
08.	0945	1.8	50	120	35	25	<0.10	1.7	1.40

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY											
06...	0930	80513	80513	0.0	47.0	24	6.6	21.5	8.9	102	760
06...	0932	80513	80513	5.00	47.0	24	6.7	21.5	9.0	102	760
06...	0933	80513	80513	10.0	47.0	24	6.7	20.5	8.9	99	760
06...	0934	80513	80513	14.0	47.0	24	6.7	19.5	9.1	99	760
06...	0935	80513	80513	15.0	47.0	24	6.7	19.5	8.9	98	760
06...	0936	80513	80513	18.0	47.0	24	6.6	18.5	8.8	94	760
06...	0937	80513	80513	20.0	47.0	24	6.5	18.5	8.8	94	760
06...	0938	80513	80513	21.0	47.0	24	6.3	18.0	8.0	84	760
06...	0940	80513	80513	22.0	47.0	24	6.2	17.0	7.7	81	760
06...	0941	80513	80513	25.0	47.0	24	6.1	17.0	7.6	78	760
06...	0942	80513	80513	30.0	47.0	25	6.1	17.0	7.2	74	760
06...	0944	80513	80513	35.0	47.0	25	6.1	16.5	6.6	68	760
06...	0945	80513	80513	40.0	47.0	26	6.0	16.5	6.2	64	760
06...	0946	80513	80513	45.0	47.0	27	6.0	16.5	5.3	54	760
06...	0947	80513	80513	47.0	47.0	28	6.0	16.0	4.8	49	760
06...	0955	80513	81213	--	47.0	24	6.7	--	--	--	760
06...	1000	80513	81213	--	47.0	24	6.2	--	--	--	760
06...	1005	80513	81213	--	47.0	26	6.1	--	--	--	760
JUL											
09...	0934	80513	80513	0.0	37.0	24	6.9	29.5	7.5	100	757
09...	0935	80513	80513	4.90	37.0	24	7.0	29.5	7.5	100	757
09...	0936	80513	80513	10.0	37.0	24	7.0	29.5	7.5	99	757
09...	0937	80513	80513	15.0	37.0	24	7.0	29.5	7.4	98	757
09...	0938	80513	80513	17.0	37.0	24	6.8	29.5	7.3	96	757
09...	0939	80513	80513	18.0	37.0	24	6.4	28.5	6.6	86	757
09...	0940	80513	80513	19.0	37.0	24	6.2	27.5	6.3	80	757
09...	0941	80513	80513	20.0	37.0	25	5.9	25.0	1.7	21	757
09...	0942	80513	80513	21.0	37.0	27	5.6	22.0	0.8	9	757
09...	0943	80513	80513	22.0	37.0	30	5.8	21.0	0.2	2	757
09...	0944	80513	80513	23.0	37.0	35	5.9	19.5	0.1	1	757
09...	0945	80513	80513	25.0	37.0	38	6.0	19.0	0.1	1	757
09...	0946	80513	80513	30.0	37.0	46	6.2	18.5	0.1	1	757
09...	0948	80513	80513	35.0	37.0	51	6.4	18.0	0.1	1	757
09...	0949	80513	80513	37.0	37.0	51	6.4	18.0	0.1	1	757
09...	0955	80513	81213	--	37.0	24	6.9	--	--	--	757
09...	1000	80513	81213	--	37.0	24	6.2	--	--	--	757
09...	1005	80513	81213	--	37.0	38	6.2	--	--	--	757

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
MAY										
06.	0930	--	--	--	--	2.50	--	--	--	--
06.	0955	0.0	12	5	2.1	--	<1	<1	7	1.0
06.	1000	15	21	5	2.3	--	<1	<1	7	1.0
06.	1005	25	45	10	2.6	--	<1	<1	7	1.0
JUL										
09.	0934	--	--	--	--	3.00	--	--	--	--
09.	0955	0.0	15	5	<1.0	--	K1	<1	7	1.1
09.	1000	18	24	5	1.0	--	<1	<1	7	1.1
09.	1005	27	36	20	2.4	--	K1	<1	7	1.3

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
MAY										
06.	0955	1.1	1.4	28	0.2	0.60	5	3.2	2.0	<0.10
06.	1000	1.1	1.4	28	0.2	0.60	5	3.2	2.1	<0.10
06.	1005	1.1	1.4	28	0.2	0.60	5	3.2	1.9	<0.10
JUL										
09.	0955	1.0	1.4	29	0.2	0.60	7	3.3	2.0	<0.10
09.	1000	1.0	1.3	27	0.2	0.60	6	3.3	2.1	<0.10
09.	1005	1.0	1.4	27	0.2	0.60	8	3.2	2.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
MAY										
06.	0955	0.70	14	13	0.02	--	--	--	0.001	0.00
06.	1000	0.70	6	13	0.01	--	--	--	0.001	0.00
06.	1005	0.90	8	13	0.01	0.003	0.003	0.01	0.001	0.00
JUL										
09.	0955	0.40	18	14	0.02	--	--	--	0.001	0.00
09.	1000	0.50	18	14	0.02	0.001	0.001	0.00	0.001	0.00
09.	1005	1.5	20	17	0.03	--	--	--	0.001	0.00

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
MAY										
06.	0955	--	<0.002	0.004	0.01	0.21	0.21	0.21	0.010	<0.001
06.	1000	--	<0.002	0.004	0.01	0.25	0.25	0.25	0.010	<0.001
06.	1005	0.004	0.004	0.007	0.01	0.23	0.24	0.24	0.010	<0.001
JUL										
09.	0955	--	<0.002	0.002	0.00	--	<0.20	--	0.006	<0.001
09.	1000	0.002	0.002	0.004	0.01	--	<0.20	--	0.007	<0.001
09.	1005	--	<0.002	0.019	0.02	--	<0.20	--	0.010	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY									
06.	0955	4.6	60	120	27	2.8	<0.10	3.9	0.920
06.	1000	4.5	40	120	27	2.0	<0.10	3.9	--
06.	1005	4.6	40	140	48	20	<0.10	4.0	--
JUL									
09.	0955	4.9	6.0	30	20	<0.20	<0.10	4.4	1.47
09.	1000	4.5	7.0	50	68	40	<0.10	4.4	--
09.	1005	5.1	200	480	570	570	<0.10	4.4	--

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP											
10...	0822	80513	80513	0.0	44.0	25	6.5	27.5	7.5	95	761
10...	0823	80513	80513	5.00	44.0	25	6.6	27.5	7.2	92	761
10...	0825	80513	80513	10.0	44.0	25	6.8	27.5	7.3	92	761
10...	0826	80513	80513	15.0	44.0	25	6.8	27.5	7.2	92	761
10...	0827	80513	80513	20.0	44.0	25	6.7	27.5	7.2	91	761
10...	0829	80513	80513	23.0	44.0	25	6.5	27.0	6.6	84	761
10...	0830	80513	80513	24.0	44.0	27	6.0	26.0	2.9	36	761
10...	0831	80513	80513	25.0	44.0	37	5.9	24.0	0.3	3	761
10...	0832	80513	80513	26.0	44.0	46	6.1	22.5	0.2	2	761
10...	0833	80513	80513	27.0	44.0	54	6.2	21.5	0.1	1	761
10...	0834	80513	80513	28.0	44.0	68	6.5	20.5	0.1	1	761
10...	0835	80513	80513	30.0	44.0	81	6.7	19.5	0.1	1	761
10...	0840	80513	80513	40.0	44.0	83	6.9	19.0	0.1	1	761
10...	0841	80513	80513	43.0	44.0	84	6.9	18.5	0.1	1	761
10...	0850	80513	81213	--	44.0	--	--	--	--	--	761
10...	0900	80513	81213	--	44.0	--	--	--	--	--	761
10...	0915	80513	81213	--	44.0	--	--	--	--	--	761

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
SEP										
10.	0822	--	--	--	--	3.70	--	--	--	--
10.	0850	0.0	21	<5	<1.0	--	<1	<1	7	1.2
10.	0900	21	30	5	2.6	--	<1	<1	8	1.4
10.	0915	30	44	60	6.8	--	<1	<1	13	1.8

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
SEP										
10.	0850	1.0	1.4	28	0.2	0.60	6	3.2	2.0	<0.10
10.	0900	1.0	1.6	29	0.3	0.70	7	3.0	2.1	<0.10
10.	0915	2.0	1.7	21	0.2	0.70	10	2.3	2.1	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
SEP										
10.	0850	1.4	18	14	0.02	--	--	--	0.001	0.00
10.	0900	2.2	18	17	0.02	0.001	0.001	0.00	0.001	0.00
10.	0915	4.4	34	24	0.05	0.007	0.007	0.03	0.001	0.00

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
SEP										
10.	0850	--	<0.002	0.004	0.01	--	<0.20	--	0.005	--
10.	0900	0.002	0.002	0.008	0.01	--	<0.20	--	0.009	--
10.	0915	0.008	0.008	0.110	0.14	0.11	0.22	0.23	0.020	0.01

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
SEP										
10.	0850	<0.001	5.8	5.0	30	22	0.50	<0.10	4.9	1.40
10.	0900	<0.001	6.4	120	410	600	590	<0.10	5.2	--
10.	0915	0.002	7.5	1000	2200	2200	2100	<0.10	7.3	--

07263300 MAUMELLE RIVER AT MAUMELLE DAM AT NATURAL STEPS

LOCATION.--Lat 34°51'50, long 92°29'04", in SW1/4SE1/4 sec.27, T.3 N., R.14 W., Pulaski County, Hydrologic Unit 11110207, at right bank 100 ft upstream from spillway, 0.5 mi west of Natural Steps.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	46	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	84	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	84	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	70	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	73	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	71	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	424	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	573	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	510	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	424	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.31	357	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	5.9	318	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	6.9	317	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	7.0	279	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	11	230	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	12	192	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	10	162	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	7.9	129	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	3.7	101	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	1.4	79	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.11	58	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	28	42	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	36	27	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	34	14	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	29	4.8	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	20	.61	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	45	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	66	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	52	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	34	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	21	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	431.22	4669.41	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	13.9	156	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	66	573	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	855	9260	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	.000	45.8	314	286	206	331	298	290	60.6	19.2	7.83	.000
MAX	.000	248	840	836	426	620	642	546	198	86.3	53.1	.000
(WY)	1990	1992	1992	1991	1990	1990	1991	1990	1992	1994	1992	1989
MIN	.000	.000	.000	.000	.000	.000	.000	.000	2.98	.000	.000	.000
(WY)	1990	1990	1990	1990	1996	1996	1996	1992	1991	1990	1990	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	34393.70		5100.63			
ANNUAL MEAN	94.2		13.9		155	
HIGHEST ANNUAL MEAN					207	1991
LOWEST ANNUAL MEAN					13.9	1996
HIGHEST DAILY MEAN	1040	May 9	573	Jun 8	2970	Mar 8 1990
LOWEST DAILY MEAN	.00	Jun 18	.00	Oct 1	.00	Aug 17 1989
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 18	.00	Oct 1	.00	Aug 17 1989
INSTANTANEOUS PEAK FLOW			604	Jun 7,8	3420	Mar 8 1990
INSTANTANEOUS PEAK STAGE			90.90	Jun 7,8	92.49	Mar 8 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	68220		10120		112400	
10 PERCENT EXCEEDS	338		10		474	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in metal shelter on dam and at mile 141.5.

DRAINAGE AREA.--158,030 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Water-discharge records good except for discharges below 10,000 ft^3/s, which are fair. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 7, 1988, the North Little Rock Electric Department hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8680	790	97700	16400	56200	35700	44900	106000	159000	163000	39400	28600
2	2610	443	87100	32000	78100	26100	36700	137000	163000	162000	40700	21600
3	825	1640	86100	27300	56600	27000	24200	146000	166000	165000	44500	11700
4	2160	24000	80400	21400	52400	25000	26900	137000	174000	166000	46500	3810
5	2670	88900	82400	26000	53000	22500	13200	134000	180000	165000	53900	9050
6	3840	167000	81000	16100	53300	21700	17300	139000	179000	163000	56500	3700
7	2700	171000	62200	30700	47400	43200	14600	149000	177000	162000	61700	8720
8	13600	132000	51200	21000	41000	80700	10500	161000	181000	158000	66000	5020
9	13800	101000	92300	15300	28900	87100	4520	179000	180000	156000	65500	2010
10	2300	102000	135000	15300	38000	82700	17500	190000	167000	157000	67500	364
11	4450	125000	149000	18800	38300	60000	52900	194000	172000	158000	70200	e41
12	6190	122000	120000	18800	34200	47600	83900	187000	183000	159000	60200	e41
13	3860	105000	78700	36000	10400	55300	91500	182000	187000	158000	57900	e511
14	e85	90100	74600	111000	17600	51100	79500	179000	206000	157000	58200	e6620
15	201	111000	71100	152000	24100	53300	57000	174000	222000	155000	55400	e10400
16	774	152000	64500	143000	e8200	56300	48800	170000	235000	155000	50900	15400
17	1050	137000	76300	95700	21100	71800	52800	169000	243000	149000	41500	29700
18	7720	101000	75300	74000	16100	76900	51800	171000	245000	110000	34500	21000
19	9820	70700	70000	76500	5840	81600	62600	167000	240000	85000	39100	5810
20	7310	62700	71600	97700	16600	83800	81700	157000	231000	82700	49600	3360
21	16200	72900	68800	92600	14700	80500	108000	157000	224000	75600	52900	4050
22	7650	93000	62400	85300	19000	78000	130000	160000	217000	81300	49800	15900
23	7710	113000	55600	77100	4830	79000	117000	160000	198000	76200	53300	8510
24	6610	113000	48600	71200	6170	75800	95600	163000	185000	63800	58400	11800
25	8870	113000	40100	62200	3440	69200	87200	166000	183000	45700	59000	18100
26	7570	107000	27200	55400	e750	71500	98100	165000	175000	43300	51900	9050
27	6260	102000	20500	66700	e9360	84100	99500	169000	167000	54600	40700	7010
28	4810	112000	22100	69100	e35000	79800	87900	174000	171000	58500	40300	9350
29	4560	116000	23000	66000	---	61500	81000	176000	172000	47000	43700	8520
30	2610	116000	31900	60700	---	56100	84500	170000	165000	39400	54200	18900
31	1060	---	23000	57100	---	50100	---	161000	---	39400	36600	---
TOTAL	168555	2923173	2129700	1808400	790590	1875000	1861620	5049000	5747000	3610500	1600500	298647
MEAN	5437	97440	68700	58340	28240	60480	62050	162900	191600	116500	51630	9955
MAX	16200	171000	149000	152000	78100	87100	130000	194000	245000	166000	70200	29700
MIN	85	443	20500	15300	750	21700	4520	106000	159000	39400	34500	41
AC-FT	334300	5798000	4224000	3587000	1568000	3719000	3693000	10010000	11400000	7161000	3175000	592400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	29340	47710	54480	45650	47030	74280	79180	80890	70830	32300	16420	16430
MAX	215100	176000	155400	142300	108200	169500	215900	234800	191600	116500	62730	51690
(WY)	1987	1975	1993	1993	1975	1987	1973	1990	1995	1995	1992	1989
MIN	1466	2615	3714	1439	9340	9986	7971	18460	4994	4954	4130	3172
(WY)	1979	1981	1990	1981	1981	1972	1981	1977	1988	1991	1991	1983

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	18648691		27862685			
ANNUAL MEAN	51090		76340		[a]49520	
HIGHEST ANNUAL MEAN					96810	1993
LOWEST ANNUAL MEAN					12880	1981
HIGHEST DAILY MEAN	182000	May 15	245000	Jun 18	404000	May 8 1990
LOWEST DAILY MEAN	85	Oct 14	41	Sep 11, 12	[b]14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	2270	Oct 28	2090	Sep 8	432	Oct 15 1982
INSTANTANEOUS PEAK FLOW			246000	Jun 17, 18	[c]406000	May 7,8 1990
INSTANTANEOUS PEAK STAGE			248.13	Jun 17, 18	[d]256.97	May 7,8 1990
ANNUAL RUNOFF (AC-FT)	36990000		55270000		35880000	
10 PERCENT EXCEEDS	139000		170000		133000	
50 PERCENT EXCEEDS	31100		61700		31200	
90 PERCENT EXCEEDS	3840		6040		3920	

[a]Prior to regulation, water years 1928-69, 39,920 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Maximum discharge for period of record 536,000 ft^3/s May 27, 1943
[d]Maximum gage height for period of record, 30.05 ft, May 27, 1943, at site and datum then in use
[e]Estimated

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12900	4250	5460	10500	22500	6270	21300	74500	e21500	10000	10500	27100
2	8350	10000	802	21700	19300	3100	26000	61300	e29100	556	7730	5200
3	16600	13100	56	23000	8650	5610	15100	44000	e26900	2890	6760	11400
4	19300	1190	421	11200	988	4340	14900	39500	22200	9830	18400	17500
5	20100	865	2810	6010	13600	4190	17800	35500	29100	6650	12700	23000
6	22000	947	5920	11200	13600	15300	10500	28200	36200	13400	18300	12500
7	18800	6190	5690	20100	11000	29200	17100	45600	46700	6170	5820	13500
8	18700	858	4930	10900	2750	21300	14200	40900	44500	9640	23600	12200
9	3700	844	1680	7200	6820	5280	11200	48600	43800	12300	34200	10100
10	2650	327	1610	5670	8160	2830	9250	36700	38900	12000	16700	14700
11	5050	1560	1190	14400	1850	1360	21700	33100	18800	13800	9000	e12400
12	2960	1550	3050	18400	8540	1400	6590	38600	29300	26600	28800	e5200
13	6360	2150	2720	5400	6840	3470	25100	39500	25100	32000	17900	e100
14	10300	1970	4500	1530	4150	4470	28500	26800	26600	24600	22700	e2400
15	3730	2840	7090	4080	5750	2860	32000	32900	26900	11500	31700	4480
16	3570	847	3700	10100	19200	4060	23800	37700	35600	15200	32300	18600
17	4570	889	6880	3670	10000	922	21800	30900	27400	20500	13500	e18900
18	4760	5460	36700	21900	867	2190	21100	27000	24800	17100	28800	e12000
19	3670	5860	30200	50800	9780	16000	25200	22100	22800	23500	24500	16400
20	8050	1180	27000	28300	13800	11300	24000	17600	8360	18200	24200	14500
21	3210	816	21400	33500	6550	4310	20100	15100	7330	12900	21700	11800
22	893	429	8610	34500	13300	2700	23800	18900	1450	10900	20900	3730
23	2210	1680	6790	26900	13000	2210	85100	15400	3320	13400	13200	6090
24	7310	6910	6300	33500	10600	1270	143000	19900	5920	13800	15000	20000
25	e4410	11300	4380	32900	5300	23600	149000	12600	16800	15700	12800	28300
26	e3380	143	3990	30100	4520	23100	105000	16800	13300	17100	24200	29800
27	e1340	3350	4390	36700	15000	11800	79200	10200	12300	9030	12300	69800
28	1060	8200	7250	10600	20000	15300	56200	12800	11400	6420	22300	119000
29	952	1560	6510	12600	7280	49900	56500	23600	8630	10800	28700	110000
30	918	3590	5520	21700	---	22400	75300	e13500	16800	8000	25000	62900
31	986	---	5230	24100	---	30500	---	e23200	---	21700	13800	---
TOTAL	222789	100855	232779	583160	283695	332542	1180340	943000	681810	426186	598010	713600
MEAN	7187	3362	7509	18810	9783	10730	39340	30420	22730	13750	19290	23790
MAX	22000	13100	36700	50800	22500	49900	149000	74500	46700	32000	34200	119000
MIN	893	143	56	1530	867	922	6590	10200	1450	556	5820	100
AC-FT	441900	200000	461700	1157000	562700	659600	2341000	1870000	1352000	845300	1186000	1415000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	28520	46060	52740	44660	45610	71930	77700	79020	69050	31620	16520	16710
MAX	215100	176000	155400	142300	108200	169500	215900	234800	191600	116500	62730	51690
(WY)	1987	1975	1993	1993	1975	1987	1973	1990	1995	1995	1992	1989
MIN	1466	2615	3714	1439	9340	9986	7971	18460	4994	4954	4130	3172
(WY)	1979	1981	1990	1981	1981	1972	1981	1977	1988	1991	1991	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1970 - 1996	
ANNUAL TOTAL	23197680		6298766			
ANNUAL MEAN	63560		17210		[a]48320	
HIGHEST ANNUAL MEAN					96810	1993
LOWEST ANNUAL MEAN					12880	1981
HIGHEST DAILY MEAN	245000	Jun 18	149000	Apr 25	404000	May 8 1990
LOWEST DAILY MEAN	41	Sep 11	56	Dec 3	[b]14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	1320	Nov 8	1320	Nov 8	432	Oct 15 1982
INSTANTANEOUS PEAK FLOW			157000	Apr 24, 25	[c]406000	May 7,8 1990
INSTANTANEOUS PEAK STAGE			240.75	Apr 25	[d]256.97	May 7,8 1990
ANNUAL RUNOFF (AC-FT)	46010000		12490000		35010000	
10 PERCENT EXCEEDS	169000		33700		131000	
50 PERCENT EXCEEDS	43300		12600		29500	
90 PERCENT EXCEEDS	2190		1660		3780	

[a]Prior to regulation, water years 1928-69, 39,920 ft^3/s
[b]Also minimum daily discharge for period of record
[c]Maximum discharge for period of record 536,000 ft^3/s May 27, 1943
[d]Maximum gage height for period of record, 30.05 ft, May 27, 1943, at site and datum then in use
[e]Estimated

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi^2, of which 22,241 mi^2 is probably noncontributing.

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

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

REMARKS.--Discharge figures are for station 07263450, 16.8 mi upstream.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 13.	0915	80513	80020	3220	751	8.1	759	22.0	7.7	8.6	99
DEC 13.	0855	80513	80020	880	741	7.9	759	8.0	3.2	9.5	81

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT 13.	0915	150	34	44	10	83	53	3	5.0	117	0
DEC 13.	0855	150	29	43	10	75	51	3	4.5	120	0

DATE	TIME	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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 13.	0915	143	117	55	120	0.10	7.9	411	398	0.56	3570
DEC 13.	0855	146	120	54	120	0.30	6.9	411	387	0.56	977

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 13.	0915	0.370	0.370	1.6	0.030	0.10	0.400	0.400	0.110	0.14	0.49
DEC 13.	0855	0.290	--	--	<0.010	--	0.290	0.290	<0.015	--	0.60

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
OCT 13.	0915	0.29	0.60	0.40	1.0	0.80	0.140	0.080	0.090	0.28	3.7
DEC 13.	0855	--	0.60	0.50	0.89	0.79	0.110	0.100	0.030	0.09	3.7

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
OCT 13.	0915	0.30	10	2	95	<0.50	2.0	<5.0	3.0	3.0	3.0
DEC 13.	0855	0.30	20	1	91	<0.50	<1.0	<5.0	<3.0	3.0	<3.0

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
OCT 13.	0915	<1.0	5	1.0	10	1.0	<1	<1.0	340	<6
DEC 13.	0855	<1.0	6	4.0	<10	2.0	<1	<1.0	340	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON DIO SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
OCT 13.	0915	13	59	513	93	0.730	0.006	106	<0.001	96.0
DEC 13.	0855	<3.0	28	67	72	0.600	0.006	112	<0.001	100

DATE	TIME	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
OCT 13.	0915	<0.004	<0.005	0.120	<0.004	<0.002	0.009	<0.002	<0.004	E0.012
DEC 13.	0855	<0.004	<0.005	0.090	<0.004	<0.002	0.006	<0.002	0.005	0.008

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT										
13.	0915	E0.029	<0.003	<0.006	0.021	<0.007	0.018	<0.004	<0.003	<0.002
DEC										
13.	0855	E0.036	<0.003	<0.006	0.070	<0.007	0.055	<0.004	<0.003	<0.002

DATE	TIME	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
OCT										
13.	0915	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.018	<0.004
DEC										
13.	0855	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.024	<0.004

DATE	TIME	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTHYLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
OCT										
13.	0915	<0.003	<0.002	<0.003	<0.013	107	<0.003	<0.017	<0.001	<0.004
DEC										
13.	0855	<0.003	<0.002	<0.003	<0.013	112	<0.003	<0.017	<0.001	<0.004

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
OCT										
13.	0915	<0.006	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
DEC										

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SPECIFIC CONDUCTANCE (US/CM) (00095)
JAN							
10.	0930	80513	80513	1000	5.00	25.0	416
10.	0931	80513	80513	1000	20.0	25.0	418
10.	0933	80513	80513	1000	4.00	20.0	414
10.	0934	80513	80513	1000	16.0	20.0	416
10.	0935	80513	80513	1000	4.00	20.0	415
10.	0936	80513	80513	1000	16.0	20.0	417
10.	0938	80513	80513	1000	4.00	20.0	416
10.	0939	80513	80513	1000	16.0	20.0	421
10.	0940	80513	80513	1000	4.00	20.0	418
10.	0941	80513	80513	1000	16.0	20.0	425
10.	0943	80513	80513	1000	4.00	20.0	415
10.	0944	80513	80513	1000	16.0	20.0	424
10.	0946	80513	80513	1000	4.00	20.0	416
10.	0947	80513	80513	1000	16.0	20.0	417
10.	0948	80513	80513	1000	4.00	20.0	420
10.	0949	80513	80513	1000	16.0	20.0	420
10.	0951	80513	80513	1000	5.00	25.0	424
10.	0952	80513	80513	1000	20.0	25.0	424
10.	0954	80513	80513	1000	6.00	30.0	433
10.	0955	80513	80513	1000	24.0	30.0	441
10.	1045	80513	80020	--	--	--	424

DATE	TIME	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN						
10.	0930	7.7	4.0	12.3	93	765
10.	0931	7.8	3.5	12.0	91	765
10.	0933	7.9	4.0	11.8	89	765
10.	0934	7.9	3.5	11.8	89	765
10.	0935	7.9	4.0	12.2	92	765
10.	0936	7.9	4.0	12.0	90	765
10.	0938	7.9	3.5	12.0	90	765
10.	0939	7.9	4.0	11.7	88	765
10.	0940	7.9	3.5	12.2	92	765
10.	0941	7.9	4.0	11.8	89	765
10.	0943	7.9	3.5	12.1	91	765
10.	0944	7.9	3.5	11.6	88	765
10.	0946	7.9	3.5	12.0	90	765
10.	0947	7.9	3.5	11.8	89	765
10.	0948	7.9	3.5	12.0	91	765
10.	0949	7.9	3.5	11.7	88	765
10.	0951	7.9	3.5	12.0	90	765
10.	0952	7.9	3.5	11.8	89	765
10.	0954	7.9	3.5	12.1	90	765
10.	0955	8.0	3.5	11.9	89	765
10.	1045	8.1	3.5	12.1	91	765

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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)
JAN											
10.	1045	5940	14	100	25	28	7.2	42	47	2	3.0

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
JAN 10.	1045	73	0	91	74	31	62	0.20	5.7	232	226

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
JAN 10.	1045	0.32	3720	0.340	<0.010	0.340	0.340	0.120	0.15	0.38	0.28

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
JAN 10.	1045	0.50	0.40	0.84	0.74	0.080	0.050	0.040	0.12	7.0

DATE	TIME	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JAN 10.	1045	<1.0	1	62	<1.0	<1.0	<1.0	<1.0	3.0	27

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
JAN 10.	1045	<1.0	<4	20	<1.0	5.0	<1	<1.0	220	<6

DATE	TIME	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
JAN 10.	1045	3.0	44	706	76	0.230	<0.002	93.6	<0.001	93.0

DATE	TIME	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	PARATHION, DISSOLVED (UG/L) (39542)	ALPHA BHC DISSOLVED (UG/L) (34253)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)
JAN 10.	1045	<0.004	<0.005	0.031	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004

DATE	TIME	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JAN 10.	1045	E0.017	<0.003	E0.002	E0.015	<0.007	0.038	<0.004	<0.003	<0.002

DATE	TIME	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
JAN 10.	1045	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.014	<0.004

DATE	TIME	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTHYLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
JAN 10.	1045	<0.003	<0.002	<0.003	<0.013	115	<0.003	<0.017	<0.001	<0.004

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
JAN 10.	1045	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
FEB 12.	0845	80513	80020	11700	446	8.0	770	5.0	17	12.6	99
MAR 12.	0915	80513	80020	1590	529	8.3	765	9.5	4.0	11.1	97
APR 11.	0815	80513	80020	6600	533	7.6	758	13.0	5.1	9.1	87
MAY 15.	0845	80513	80020	33700	275	7.8	759	21.5	15	6.4	72
JUN 10.	0755	80513	80020	43700	287	7.8	756	25.0	21	6.0	73
24.	0850	80513	80020	3520	374	8.5	761	30.0	1.6	7.4	98
JUL 08.	0800	80513	80020	6160	517	7.9	753	30.0	1.1	5.7	76
AUG 12.	0830	80513	80020	25500	832	7.4	759	29.5	1.8	6.2	82
SEP 09.	0930	80513	80020	3520	944	7.7	758	28.0	1.3	6.0	78

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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 WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
FEB 12.	0845	94	26	26	7.1	45	50	2	2.9	69	0
MAR 12.	0915	110	28	30	8.8	57	52	2	3.2	84	0
APR 11.	0815	110	34	30	8.5	58	53	2	3.2	77	0
MAY 15.	0845	72	11	19	6.0	20	37	1	2.5	62	0
JUN 10.	0755	79	24	22	5.8	21	36	1	2.9	56	0
24.	0850	110	21	30	7.4	30	37	1	3.3	85	0
JUL 08.	0800	120	14	32	8.5	46	46	2	3.8	101	0
AUG 12.	0830	130	33	34	11	99	61	4	4.1	98	0
SEP 09.	0930	140	41	36	12	110	62	4	4.1	101	0

DATE	TIME	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
FEB 12.	0845	83	68	33	65	0.20	4.1	242	226	0.33	7640
MAR 12.	0915	102	83	42	84	0.20	0.96	292	277	0.40	1250
APR 11.	0815	93	76	42	89	0.20	1.4	300	279	0.41	5350
MAY 15.	0845	75	61	28	27	0.20	4.6	165	146	0.22	15000
JUN 10.	0755	67	55	24	27	0.10	3.5	158	142	0.21	18600
24.	0850	103	85	33	38	0.20	3.6	206	197	0.28	1960
JUL 08.	0800	123	101	44	73	0.20	1.6	285	271	0.39	4740
AUG 12.	0830	119	97	62	150	0.20	3.7	462	424	0.63	31800
SEP 09.	0930	121	99	71	180	0.20	2.4	523	477	0.71	4970

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
FEB 12.	0845	0.340	0.340	1.5	0.010	0.03	0.350	0.350	<0.015	--	0.50
MAR 12.	0915	0.070	0.070	0.31	0.010	0.03	0.080	0.080	0.060	0.08	0.54
APR 11.	0815	0.110	--	--	<0.010	--	0.110	0.110	0.050	0.06	0.35
MAY 15.	0845	0.270	0.270	1.2	0.030	0.10	0.300	0.300	0.100	0.13	0.40
JUN 10.	0755	0.380	0.380	1.7	0.010	0.03	0.390	0.390	0.110	0.14	0.39
24.	0850	--	--	--	0.010	0.03	--	<0.050	0.080	0.10	0.42
JUL 08.	0800	0.060	0.060	0.27	0.020	0.07	0.080	0.080	0.190	0.24	0.31
AUG 12.	0830	0.100	0.100	0.44	0.020	0.07	0.120	0.120	0.070	0.09	0.23
SEP 09.	0930	0.110	0.110	0.49	0.010	0.03	0.120	0.120	0.070	0.09	0.33

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
FEB 12.	0845	--	0.50	0.20	0.85	0.55	0.100	0.040	0.019	0.06	3.5
MAR 12.	0915	0.24	0.60	0.30	0.68	0.38	0.060	0.020	0.007	0.02	3.8
APR 11.	0815	0.25	0.40	0.30	0.51	0.41	0.060	0.050	0.025	0.08	3.6
MAY 15.	0845	0.30	0.50	0.40	0.80	0.70	0.060	0.040	0.058	0.18	4.9
JUN 10.	0755	0.19	0.50	0.30	0.89	0.69	0.080	0.040	0.036	0.11	--
24.	0850	--	0.50	<0.20	0.50	--	0.030	<0.010	0.013	0.04	3.6
JUL 08.	0800	0.21	0.50	0.40	0.58	0.48	0.040	0.010	0.028	0.09	4.4
AUG 12.	0830	0.13	0.30	0.20	0.42	0.32	0.060	0.020	0.046	0.14	3.4
SEP 09.	0930	0.23	0.40	0.30	0.52	0.42	0.080	0.040	0.046	0.14	3.6

DATE	TIME	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	BORON, DISSOLVED (UG/L AS B) (01020)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)
FEB 12.	0845	--	--	15	<1.0	<1	57	<1.0	<1.0	1.0	<1.0
MAR 12.	0915	0.50	60	2.0	<1.0	<1	67	<1.0	<1.0	1.0	<1.0
APR 11.	0815	0.60	60	3.0	<1.0	<1	65	<1.0	<1.0	<1.0	<1.0
MAY 15.	0845	0.50	50	3.0	<1.0	<1	57	<1.0	<1.0	<1.0	<1.0
JUN 10.	0755	--	34	5.0	<1.0	1	57	<1.0	<1.0	<1.0	<1.0
24.	0850	0.60	49	6.0	<1.0	1	71	<1.0	<1.0	1.0	<1.0
JUL 08.	0800	0.50	49	4.0	<1.0	2	76	<1.0	<1.0	<1.0	<1.0
AUG 12.	0830	0.40	64	4.0	<1.0	2	87	<1.0	<1.0	1.0	<1.0
SEP 09.	0930	0.40	78	3.0	<1.0	2	93	<1.0	<1.0	<1.0	<1.0

DATE	TIME	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)
FEB 12.	0845	2.0	29	<1.0	<4	2.0	<1.0	2.0	<1	<1.0	200
MAR 12.	0915	2.0	12	<1.0	<4	<1.0	1.0	2.0	<1	<1.0	240
APR 11.	0815	8.0	10	<1.0	5	3.0	<1.0	1.0	<1	<1.0	220
MAY 15.	0845	1.0	24	<1.0	<4	7.0	<1.0	2.0	<1	<1.0	150
JUN 10.	0755	2.0	20	<1.0	<4	<1.0	<1.0	2.0	<1	<1.0	160
24.	0850	1.0	7.0	<1.0	<4	<1.0	1.0	1.0	<1	<1.0	220
JUL 08.	0800	2.0	<3.0	<1.0	<4	2.0	1.0	2.0	<1	<1.0	260
AUG 12.	0830	2.0	<3.0	<1.0	6	2.0	2.0	2.0	<1	<1.0	340
SEP 09.	0930	2.0	10	<1.0	8	3.0	2.0	2.0	<1	<1.0	380

DATE	TIME	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DIAZINON, DISSOLVED (UG/L) (39572)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIELDRIN DISSOLVED (UG/L) (39381)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)
FEB 12.	0845	<6	3.0	55	1740	79	0.200	<0.002	120	<0.001	130
MAR 12.	0915	<6	1.0	43	185	57	0.180	0.010	85.7	<0.001	82.0
APR 11.	0815	<6	3.0	50	891	97	0.220	0.004	113	<0.001	120
MAY 15.	0845	<6	1.0	63	5730	48	0.150	0.007	89.6	<0.001	104
JUN 10.	0755	<6	<1.0	58	6840	99	0.290	0.006	91.4	<0.001	103
24.	0850	<6	2.0	54	513	70	0.379	<0.002	84.5	<0.001	85.9
JUL 08.	0800	<6	1.0	32	532	85	0.400	<0.002	92.8	<0.001	109
AUG 12.	0830	<6	2.0	110	7570	81	0.306	0.019	100	<0.001	98.9
SEP 09.	0930	<6	3.0	22	209	95	0.364	<0.002	115	<0.001	90.4

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	LINDANE DIS-SOLVED (UG/L) (39341)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	PARA-THION, DIS-SOLVED (UG/L) (39542)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
FEB 12.	0845	<0.004	<0.005	0.025	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004
MAR 12.	0915	<0.004	<0.005	0.033	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004
APR 11.	0815	<0.004	<0.005	0.022	<0.004	<0.002	0.004	<0.002	<0.004	<0.004
MAY 15.	0845	<0.004	<0.005	0.037	<0.004	<0.002	0.011	<0.002	<0.004	<0.004
JUN 10.	0755	<0.004	<0.005	0.056	<0.004	<0.002	0.012	<0.002	<0.004	<0.004
24.	0850	<0.004	<0.005	0.058	<0.004	<0.002	E0.002	<0.002	<0.004	<0.004
JUL 08.	0800	<0.004	<0.005	0.052	<0.004	<0.002	0.005	<0.002	0.005	<0.004
AUG 12.	0830	<0.004	<0.005	0.036	<0.004	<0.002	<0.002	<0.002	0.005	<0.004
SEP 09.	0930	<0.004	<0.005	0.046	<0.004	<0.002	<0.002	<0.002	<0.004	<0.004

DATE	TIME	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	FONOFOS WATER DISS REC (UG/L) (04095)	P,P' DDE DISSOLV (UG/L) (34653)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
FEB 12.	0845	E0.011	<0.003	<0.006	E0.010	<0.007	0.035	<0.004	<0.003	<0.002
MAR 12.	0915	E0.012	<0.003	<0.006	E0.008	<0.007	0.065	<0.004	<0.003	<0.002
APR 11.	0815	E0.027	<0.003	<0.006	E0.017	<0.007	0.044	<0.004	<0.003	<0.002
MAY 15.	0845	E0.011	<0.003	<0.006	E0.010	<0.007	0.033	E0.004	<0.003	<0.002
JUN 10.	0755	E0.012	<0.003	<0.006	E0.012	<0.007	0.034	0.006	<0.003	E0.001
24.	0850	E0.028	<0.003	<0.006	E0.013	<0.007	0.037	<0.004	<0.003	<0.002
JUL 08.	0800	E0.038	<0.003	<0.006	0.023	<0.007	0.047	<0.004	<0.003	<0.002
AUG 12.	0830	E0.032	<0.003	<0.006	0.024	<0.007	0.025	<0.004	<0.003	<0.002
SEP 09.	0930	E0.038	<0.003	<0.006	0.018	<0.007	0.024	<0.004	<0.003	<0.002

DATE	TIME	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
FEB 12.	0845	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.014	<0.004
MAR 12.	0915	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.012	<0.004
APR 11.	0815	<0.004	<0.002	E0.010	<0.002	<0.006	<0.002	<0.004	0.026	<0.004
MAY 15.	0845	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.017	0.005
JUN 10.	0755	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.015	0.260
24.	0850	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.017	0.021
JUL 08.	0800	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.038	0.068
AUG 12.	0830	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	0.011
SEP 09.	0930	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.037	<0.004

DATE	TIME	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TERBUTH YLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
FEB 12.	0845	<0.003	<0.002	<0.003	<0.013	122	<0.003	<0.017	<0.001	<0.004
MAR 12.	0915	<0.003	<0.002	<0.003	<0.013	109	<0.003	<0.017	<0.001	<0.004
APR 11.	0815	<0.003	<0.002	<0.006	<0.013	121	<0.003	<0.017	<0.005	<0.004
MAY 15.	0845	<0.003	<0.002	E0.003	<0.013	106	<0.003	<0.017	<0.001	0.027
JUN 10.	0755	<0.003	<0.002	<0.003	<0.013	106	<0.003	<0.017	<0.001	<0.004
24.	0850	<0.003	<0.002	<0.003	<0.013	102	<0.003	<0.017	<0.001	<0.004
JUL 08.	0800	<0.003	<0.002	<0.003	<0.013	115	<0.003	<0.017	<0.001	<0.004
AUG 12.	0830	<0.003	<0.002	<0.003	<0.013	103	<0.003	<0.017	<0.001	<0.004
SEP 09.	0930	<0.003	<0.002	<0.003	<0.013	136	<0.003	<0.017	<0.001	<0.004

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)
FEB										
12.	0845	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
MAR										
12.	0915	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
APR										
11.	0815	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
MAY										
15.	0845	<0.003	E0.004	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
JUN										
10.	0755	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
24.	0850	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
JUL										
08.	0800	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
AUG										
12.	0830	<0.003	0.008	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002
SEP										
09.	0930	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.002

07264000 BAYOU METO NEAR LONOKE

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of U.S. Army Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke".

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

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft above sea level. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955 nonrecording gage at present site and datum.

REMARKS.--Records good, except estimated daily discharges which are poor. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	25	12	63	91	153	436	147	341	e1.7	e135	17
2	6.5	21	11	114	79	159	519	133	259	e1.2	e140	15
3	10	16	14	210	72	139	589	120	236	e.70	e130	12
4	12	17	18	307	66	117	602	108	253	e.50	e120	11
5	20	19	17	362	62	100	531	97	251	e.30	e110	11
6	20	18	18	332	60	88	387	89	168	e.20	e90	11
7	18	18	14	258	58	95	259	86	121	e.10	e75	11
8	15	16	15	190	60	180	180	173	e140	e.00	e70	13
9	13	15	16	147	63	223	142	396	e180	e.00	e85	19
10	12	16	21	120	68	195	112	506	e130	e.00	e105	21
11	12	16	28	104	69	157	94	549	e90	e.00	e110	20
12	10	32	25	95	65	134	82	545	e60	e.00	e115	16
13	7.0	39	27	91	63	117	277	566	e40	e.00	e110	13
14	4.6	35	26	83	59	106	563	617	e32	e.60	e100	10
15	3.7	31	24	78	51	101	672	628	e28	e.40	e85	9.0
16	3.7	27	22	74	25	93	739	544	e23	e.30	e75	13
17	3.8	19	26	67	21	82	784	369	e18	e.20	e65	11
18	3.8	13	62	71	20	77	815	232	e13	e.00	e55	7.4
19	3.9	9.3	198	83	35	82	811	159	e10	e.00	e50	7.8
20	3.5	8.1	334	127	84	127	744	110	e7.5	e.00	e46	10
21	3.0	7.8	388	187	185	237	623	80	e6.0	e.50	e42	12
22	3.1	6.1	370	181	257	257	539	76	e5.0	e2.0	e42	14
23	3.7	5.6	287	181	246	219	506	73	e4.5	e12	e47	31
24	3.6	5.0	191	210	199	176	483	61	e4.0	e20	e55	36
25	3.5	4.6	123	232	155	185	507	50	e3.5	e45	e65	31
26	3.6	6.1	87	228	126	222	496	33	e4.5	e55	e72	38
27	5.0	15	69	209	110	285	406	25	e5.0	e52	e74	95
28	11	16	60	176	119	296	294	70	e4.5	e64	e60	164
29	27	18	57	145	129	278	227	184	e3.5	e72	e40	212
30	30	14	58	125	---	326	181	368	e2.5	e100	31	200
31	28	---	57	110	---	396	---	419	---	e125	23	---
TOTAL	308.5	508.6	2675	4960	2697	5402	13600	7613	2443.5	553.70	2422	1091.2
MEAN	9.95	17.0	86.3	160	93.0	174	453	246	81.4	17.9	78.1	36.4
MAX	30	39	388	362	257	396	815	628	341	125	140	212
MIN	3.0	4.6	11	63	20	77	82	25	2.5	.00	23	7.4
AC-FT	612	1010	5310	9840	5350	10710	26980	15100	4850	1100	4800	2160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	62.2	245	462	421	502	535	518	458	163	58.5	50.7	70.8
MAX	775	1394	1451	1515	1680	1253	1517	1698	1191	482	402	391
(WY)	1985	1958	1974	1991	1956	1990	1973	1968	1974	1960	1966	1978
MIN	2.28	.83	2.87	25.9	65.2	166	64.5	23.6	2.28	1.28	1.77	2.84
(WY)	1957	1955	1955	1955	1972	1972	1960	1988	1988	1980	1980	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	56500.55		44274.50			
ANNUAL MEAN	155		121		294	
HIGHEST ANNUAL MEAN					550	1973
LOWEST ANNUAL MEAN					95.2	1963
HIGHEST DAILY MEAN	1150	Jan 23	815	Apr 18	5570	Dec 29 1987
LOWEST DAILY MEAN	.42	Sep 3	.00	Jul 8	.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 29	.01	Jul 7	.00	Oct 18 1954
INSTANTANEOUS PEAK FLOW			822	Apr 19	5750	Dec 29 1987
INSTANTANEOUS PEAK STAGE			15.26	Apr 19	27.11	Dec 29 1987
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	112100		87820		213300	
10 PERCENT EXCEEDS	435		336		878	
50 PERCENT EXCEEDS	39		63		85	
90 PERCENT EXCEEDS	4.6		3.9		6.8	

[e]Estimated

07337000 RED RIVER AT INDEX

LOCATION.--Lat 33°33'07", long 94°02'28", in NW1/4SW1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi^2, of which 5,936 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above sea level. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17600	3940	1890	3960	6300	2330	17700	21500	6670	4120	8680	18800
2	17600	3350	1720	5280	6500	2240	17400	17900	6160	4160	10300	19200
3	16800	2780	2040	e5520	7510	3250	15200	13800	5600	4170	11800	18900
4	16700	2580	2480	7330	7400	4230	12600	9610	5360	3910	13600	17200
5	16900	2730	2570	8680	7390	4340	11000	7600	6130	3540	12500	17000
6	17200	2980	2440	10600	8660	3750	10100	7170	6480	3520	9800	19000
7	14600	3400	2530	11800	9640	3210	7730	7130	6240	3590	7760	18700
8	12600	3220	2330	11300	9470	2490	6420	6480	6690	3570	7700	18000
9	12100	3020	1940	10600	9720	2070	6060	5370	5870	3560	8000	17900
10	11200	2790	2310	8940	9150	2540	5770	4430	4930	3860	7250	16400
11	10500	2560	3030	5990	7390	2960	5130	5790	4550	3800	7080	e13100
12	10300	2730	3180	4350	5520	3280	4380	9060	4310	3230	7940	e12000
13	10100	2960	3280	4410	4780	3900	4290	12500	4180	3210	11500	11600
14	8910	2970	3390	4890	4340	4060	4470	10200	4810	5250	13600	11600
15	7220	2920	3400	4750	3430	3090	5600	12800	4820	8500	13500	11500
16	6620	2750	3710	4520	2790	2400	12900	14200	11900	13100	12800	11500
17	6330	2300	3680	4320	4890	2970	16400	13700	12900	14300	11300	11500
18	5530	1970	3860	3550	6210	3160	15000	13300	9440	12600	8650	12100
19	4840	2230	3800	2940	5370	3110	13200	12000	7210	12600	6660	14800
20	4580	2820	4050	4090	4720	3200	11800	7460	5610	14500	6270	15200
21	4580	3140	4380	7440	4390	3150	9290	5310	4360	14400	6290	16200
22	4530	3130	6370	8750	3520	2560	8230	4630	3850	12200	5950	26200
23	4420	2740	6870	8700	2710	2300	8160	4180	4280	11000	5610	32000
24	4330	2160	5860	7590	2590	3210	7940	3690	4500	10300	5670	30600
25	4360	1890	4880	6410	3340	3790	12500	7060	4510	9340	6020	29100
26	4230	e2450	4400	6880	3510	3770	22000	11100	4450	6810	6550	29400
27	4060	e2970	4220	9350	3620	3640	22500	10100	4340	5300	7360	30100
28	3490	e2800	3830	10500	3750	3280	21900	9160	3880	4950	7590	36500
29	3380	2360	3030	9860	3100	2760	22100	9530	3830	4700	8440	43300
30	3230	2090	2780	9300	---	3750	23200	9070	4110	5210	15600	40600
31	3540	---	3560	8210	---	12200	---	8230	---	5900	21100	---
TOTAL	272380	82730	107810	220810	161710	106990	360970	294060	171970	219200	292870	620000
MEAN	8786	2758	3478	7123	5576	3451	12030	9486	5732	7071	9447	20670
MAX	17600	3940	6870	11800	9720	12200	23200	21500	12900	14500	21100	43300
MIN	3230	1890	1720	2940	2590	2070	4290	3690	3830	3210	5610	11500
AC-FT	540300	164100	213800	438000	320800	212200	716000	583300	341100	434800	580900	1230000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	8225	10440	11530	10510	13700	16300	17030	24490	22890	10010	5876	6155
MAX	41690	47140	47910	52290	38960	67730	61460	121000	94400	33990	39230	30340
(WY)	1946	1975	1992	1992	1946	1945	1990	1990	1957	1989	1950	1950
MIN	716	642	1206	1360	2127	2233	2096	4199	3098	1162	1025	909
(WY)	1957	1957	1957	1964	1964	1967	1956	1972	1988	1944	1944	1944

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	7407690		2911500			
ANNUAL MEAN	20300		7955		[a]13080	
HIGHEST ANNUAL MEAN					30420	1990
LOWEST ANNUAL MEAN					4383	1964
HIGHEST DAILY MEAN	88100	May 10	43300	Sep 29	268000	May 10 1990
LOWEST DAILY MEAN	1720	Dec 2	1720	Dec 2	384	Nov 28 1956
ANNUAL SEVEN-DAY MINIMUM	2160	Nov 29	2160	Nov 29	397	Oct 19 1956
INSTANTANEOUS PEAK FLOW			44000	Sep 29	[b]270000	May 10 1990
INSTANTANEOUS PEAK STAGE			11.84	Sep 29	[c]32.30	May 10 1990
INSTANTANEOUS LOW FLOW			1690	Dec 2	378	Nov 28 1956
ANNUAL RUNOFF (AC-FT)	14690000		5775000		9477000	
10 PERCENT EXCEEDS	49700		16300		35200	
50 PERCENT EXCEEDS	13400		5820		5870	
90 PERCENT EXCEEDS	3030		2780		2280	

[a]Prior to regulation, water years 1937-43, 11,970 ft^3/s
[b]Maximum discharge for period of record, 297,000 ft^3/s Feb. 22, 1938
[c]Maximum gage height for period, 34.25 ft Feb. 22, 1938 from graph based on gage readings
[e]Estimated

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.–Water years 1947-1956, April 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
18.	1000	80513	81213	5370	1450	8.3	763	20.0	7.9	88

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
18.	1000	320	85	26	140	48	3	6.0	220

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
18.	1000	240	866	<0.010	<0.020	0.020	0.03	0.51	0.53

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
18.	1000	0.53	0.050	<0.020	0.020	0.06	201	2910	88

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
05...	1341	80513	80513	380	0.90	1.80	1040	2310
05...	1343	80513	80513	380	2.50	5.00	1000	--
05...	1346	80513	80513	380	2.90	5.80	965	--
05...	1348	80513	80513	380	2.30	4.60	927	--
05...	1350	80513	80513	380	2.20	4.40	889	--
05...	1351	80513	80513	380	2.50	5.00	851	--
05...	1353	80513	80513	380	0.50	1.00	813	--
05...	1355	80513	80513	380	0.40	0.80	775	--
05...	1356	80513	80513	380	0.20	0.40	737	--
05...	1358	80513	80513	380	0.30	0.60	699	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
05...	1341	1300	7.9	14.0	9.8	96	762
05...	1343	1300	7.9	14.0	9.9	96	762
05...	1346	1300	7.9	14.0	9.9	96	762
05...	1348	1300	7.9	14.0	9.8	96	762
05...	1350	1310	7.9	14.0	9.8	95	762
05...	1351	1310	7.9	14.0	9.8	95	762
05...	1353	1310	7.9	14.0	9.8	96	762
05...	1355	1310	7.9	14.0	9.9	96	762
05...	1356	1310	7.9	14.5	10.0	98	762
05...	1358	1310	7.9	14.5	10.5	104	762

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC										
06...	1235	80513	81213	2360	1300	7.7	765	--	--	--
MAR										
06...	1230	80513	81213	3530	1880	8.0	755	17.0	10.9	114
APR										
24...	1300	80513	81213	8130	837	8.2	763	19.5	10.3	112
AUG										
01...	0755	80513	81213	8510	1060	8.1	750	28.0	7.2	94
27...	0910	80513	81213	7250	1950	8.2	759	28.5	6.5	85

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)
DEC									
06...	1235	61	--	52	370	100	28	130	43
MAR									
06...	1230	130	100	120	440	120	34	220	52
APR									
24...	1300	K10	K8	K15	190	52	15	81	47
AUG									
01...	0755	K650	680	1300	250	64	22	120	50
27...	0910	87	42	100	430	110	37	240	55

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)
DEC									
06...	1235	3	5.7	170	190	794	0.040	0.040	0.18
MAR									
06...	1230	5	5.5	320	340	1190	--	--	--
APR									
24...	1300	3	3.6	130	130	510	--	--	--
AUG									
01...	0755	3	4.7	170	170	662	0.060	0.060	0.27
27...	0910	5	6.0	330	360	1230	--	--	--

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC									
06...	1235	0.010	0.03	0.050	0.050	0.050	0.06	0.67	0.72
MAR									
06...	1230	<0.010	--	--	<0.020	0.020	0.03	0.85	0.87
APR									
24...	1300	<0.010	--	--	<0.020	0.020	0.03	0.84	0.86
AUG									
01...	0755	0.010	0.03	0.070	0.070	0.090	0.12	1.2	1.3
27...	0910	<0.010	--	--	<0.020	<0.010	--	0.86	0.86

DATE	TIME	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	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)
DEC									
06...	1235	0.77	0.070	<0.020	0.010	0.03	77	491	85
MAR									
06...	1230	0.87	0.090	<0.020	0.010	0.03	189	1800	95
APR									
24...	1300	0.86	0.140	<0.020	<0.010	--	328	7200	63
AUG									
01...	0755	1.4	0.260	0.020	0.050	0.15	579	13300	72
27...	0910	0.86	0.140	<0.020	0.030	0.09	311	6090	67

07340000 LITTLE RIVER NEAR HORATIO

LOCATION.--Lat 33°55'10", long 94°23'15", in NE1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^2.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above sea level. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1934, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	773	308	186	402	2170	1290	1300	934	1010	658	3300	3050
2	412	321	184	573	1980	1360	1110	562	1000	1010	2400	2540
3	413	308	183	970	2310	624	1750	510	1220	1770	3070	2450
4	376	311	181	2050	1420	281	1760	506	1630	2030	3830	2250
5	410	305	180	2160	823	629	1720	477	2740	978	2280	2410
6	442	301	185	1990	839	380	1500	455	2320	677	2490	1510
7	449	300	250	1830	680	364	692	1840	1270	540	2990	1250
8	399	274	386	1720	503	1420	436	1920	844	546	2910	724
9	335	258	405	1720	444	1980	373	1540	855	721	2330	1830
10	336	253	457	1660	897	435	350	1720	649	804	1950	1260
11	332	247	345	828	386	211	672	3180	643	805	2220	819
12	335	233	371	445	273	187	1440	7470	552	3470	4440	1260
13	328	224	319	404	389	193	2390	3960	837	9570	4840	987
14	320	217	213	432	567	175	5960	3830	1480	11000	3520	587
15	321	221	203	416	423	192	6120	5490	1090	19300	3040	503
16	271	216	458	397	570	231	5740	6050	761	12200	3540	579
17	322	228	391	386	728	207	6640	6160	606	6810	2040	1700
18	324	272	350	483	301	189	6890	5820	1660	7900	863	1820
19	370	211	567	1340	204	271	6220	2860	2450	7640	633	1760
20	354	205	1010	2980	194	565	3200	1720	1290	6870	1650	2170
21	368	212	1140	2980	221	828	1590	1790	1350	3550	1720	2750
22	352	235	860	2760	236	418	1360	880	1450	2130	1460	3160
23	259	199	763	2830	188	316	1440	2450	789	1950	1830	2600
24	266	191	579	2740	181	274	2020	6310	532	1320	1560	3390
25	282	188	491	3390	180	321	4190	6960	694	1550	691	4770
26	405	188	447	3920	179	394	5830	5920	1450	1760	458	5090
27	368	182	413	3670	269	405	4690	4990	1200	1320	637	8050
28	365	191	387	2360	590	675	1580	4790	1260	973	899	9810
29	330	218	383	1610	1270	1840	1030	4250	1140	905	2770	8360
30	242	189	375	1490	---	2260	2960	1870	810	1200	4560	6480
31	253	---	378	1750	---	1710	---	1030	---	1990	4260	---
TOTAL	11112	7206	13040	52686	19415	20625	82953	98244	35582	113947	75181	85919
MEAN	358	240	421	1700	669	665	2765	3169	1186	3676	2425	2864
MAX	773	321	1140	3920	2310	2260	6890	7470	2740	19300	4840	9810
MIN	242	182	180	386	179	175	350	455	532	540	458	503
AC-FT	22040	14290	25860	104500	38510	40910	164500	194900	70580	226000	149100	170400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1996, BY WATER YEAR (WY)

MEAN	2034	4290	6162	4662	5455	6579	5694	6564	4418	1664	1174	1451
MAX	9360	15960	17120	11440	12390	14880	16250	16790	14180	8397	3542	10430
(WY)	1985	1975	1972	1993	1989	1973	1973	1990	1990	1983	1992	1974
MIN	281	240	244	493	669	665	1449	530	346	281	411	303
(WY)	1989	1996	1990	1981	1996	1996	1981	1988	1988	1972	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1969 - 1996	
ANNUAL TOTAL	1107391		615910			
ANNUAL MEAN	3034		1683		[a]4172	
HIGHEST ANNUAL MEAN					7523	1973
LOWEST ANNUAL MEAN					1547	1976
HIGHEST DAILY MEAN	22000	May 9	19300	Jul 15	57700	Dec 12 1971
LOWEST DAILY MEAN	180	Nov 27	175	Mar 14	[b]121	Oct 5 1972
ANNUAL SEVEN-DAY MINIMUM	184	Nov 30	184	Nov 30	152	Oct 4 1972
INSTANTANEOUS PEAK FLOW			20100	Jul 15	[c]65100	Dec 10 1971
INSTANTANEOUS PEAK STAGE			22.67	Jul 15	[d]32.84	Dec 10 1971
ANNUAL RUNOFF (AC-FT)	2197000		1222000		3022000	
10 PERCENT EXCEEDS	9500		4250		12400	
50 PERCENT EXCEEDS	966		849		1790	
90 PERCENT EXCEEDS	273		223		350	

[a]Prior to regulation, water years 1931-68, 3,742 ft^3/s
[b]Minimum discharge for period of record, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934
[c]Maximum discharge for period of record, 120,000 ft^3/s Mar. 30, 1945, from rating curve extended above 93,000 ft^3/s
[d]Maximum gage height for period of record, 37.70 ft Mar. 30, 1945

07340300 COSSATOT RIVER NEAR VANDERVOORT
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE1/4NE1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, on right bank 200 ft upstream from bridge on State Highway 246, 0.3 mi downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	67	15	34	44	68	187	61	176	15	25	27
2	19	e70	15	241	41	64	148	54	260	15	27	23
3	49	32	15	191	38	58	128	49	143	16	41	21
4	32	e25	15	134	38	51	141	46	98	13	66	19
5	23	e22	15	106	49	57	127	43	72	12	44	18
6	20	20	15	92	34	84	116	121	58	14	33	16
7	18	20	14	77	34	89	109	400	72	13	27	16
8	17	19	18	68	35	77	104	197	54	12	24	15
9	16	18	26	67	34	68	93	129	44	23	21	15
10	16	17	22	53	32	62	84	96	38	61	20	14
11	15	20	19	48	30	57	77	2060	33	63	27	13
12	15	24	19	43	28	52	148	541	31	315	24	13
13	14	21	18	39	27	50	1500	292	29	239	19	12
14	14	20	18	37	27	48	513	202	26	156	18	12
15	13	19	18	35	27	45	294	150	24	186	16	16
16	13	18	17	33	26	41	199	111	22	93	15	52
17	13	17	255	32	25	38	151	84	21	65	15	27
18	13	17	350	218	25	121	122	67	20	44	29	21
19	13	17	451	257	238	283	101	54	23	34	43	19
20	13	17	162	165	267	184	131	46	20	27	24	20
21	12	17	96	118	165	138	114	40	18	22	19	20
22	12	16	68	91	121	110	245	353	17	19	17	18
23	13	16	52	84	96	90	433	277	15	e30	15	16
24	13	16	42	91	76	97	241	148	14	e130	15	147
25	13	15	36	91	64	380	168	96	15	90	14	80
26	15	15	32	87	58	279	123	71	23	54	15	593
27	15	15	29	76	60	217	89	79	40	39	92	640
28	15	15	27	64	83	626	76	89	24	31	104	308
29	14	15	25	59	72	513	94	69	19	26	79	161
30	13	15	25	55	---	344	72	53	16	25	47	98
31	13	---	28	49	---	251	---	46	---	30	33	---
TOTAL	510	655	1957	2835	1894	4642	6128	6124	1465	1912	1008	2470
MEAN	16.5	21.8	63.1	91.5	65.3	150	204	198	48.8	61.7	32.5	82.3
MAX	49	70	451	257	267	626	1500	2060	260	315	104	640
MIN	12	15	14	32	25	38	72	40	14	12	14	12
AC-FT	1010	1300	3880	5620	3760	9210	12150	12150	2910	3790	2000	4900
CFSM	.18	.24	.70	1.02	.73	1.67	2.28	2.20	.55	.69	.36	.92
IN.	.21	.27	.81	1.18	.79	1.93	2.54	2.54	.61	.79	.42	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

MEAN	127	215	322	230	233	363	289	267	146	91.3	29.6	59.0
MAX	899	545	1105	624	463	860	799	827	426	565	65.1	376
(WY)	1985	1975	1972	1969	1989	1973	1973	1968	1973	1994	1971	1974
MIN	11.2	19.8	25.6	24.2	65.3	61.5	60.3	24.5	11.5	11.4	9.57	11.6
(WY)	1979	1990	1990	1981	1996	1986	1987	1988	1972	1978	1972	1983

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1967 - 1996	
ANNUAL TOTAL	55567		31600			
ANNUAL MEAN	152		86.3		198	
HIGHEST ANNUAL MEAN					358	1973
LOWEST ANNUAL MEAN					86.3	1996
HIGHEST DAILY MEAN	4040	May 8	2060	May 11	15800	Dec 9 1971
LOWEST DAILY MEAN	12	Aug 25	12	Oct 21	7.2	Aug 29 1972
ANNUAL SEVEN-DAY MINIMUM	13	Aug 28	13	Oct 16	7.4	Aug 27 1972
INSTANTANEOUS PEAK FLOW			7260	May 11	[a]32000	Dec 2 1982
INSTANTANEOUS PEAK STAGE			10.80	May 11	19.50	Dec 2 1982
INSTANTANEOUS LOW FLOW			11	Sep 14,15	7.2	Aug 28-31 1972
ANNUAL RUNOFF (AC-FT)	110200		62680		143300	
ANNUAL RUNOFF (CFSM)	1.70		.96		2.21	
ANNUAL RUNOFF (INCHES)	23.07		13.12		30.00	
10 PERCENT EXCEEDS	327		198		403	
50 PERCENT EXCEEDS	53		38		66	
90 PERCENT EXCEEDS	14		15		15	

[a]From rating curve extended above 11,000 ft^3/s on basis of step-backwater computations
[e]Estimated

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
18...	1315	80513	80020	13	71	7.7	748	18.0	0.20	9.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)	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)
OCT										
18...	1315	107	27	1	8.1	1.7	2.0	13	0.2	0.70

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
OCT										
18...	1315	28	0	32	26	3.3	1.9	<0.10	6.8	35

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT										
18...	1315	40	0.05	1.23	0.010	0.03	<0.050	<0.015	<0.20	<0.010

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT										
18...	1315	<0.010	0.010	0.03	<10	12	3.0	5.0	<4	2.0

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
18...	1315	<10	<1.0	<1	<1.0	22	<6	14	0.49	82

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
06...	0841	80513	80513	100	0.10	0.20	95.0	14
06...	0843	80513	80513	100	0.10	0.20	85.0	--
06...	0845	80513	80513	100	0.10	0.20	75.0	--
06...	0846	80513	80513	100	0.10	0.20	65.0	--
06...	0847	80513	80513	100	0.20	0.40	55.0	--
06...	0849	80513	80513	100	0.30	0.60	45.0	--
06...	0850	80513	80513	100	0.20	0.40	35.0	--
06...	0851	80513	80513	100	0.10	0.20	25.0	--
06...	0852	80513	80513	100	0.0	0.20	15.0	--
06...	0853	80513	80513	100	0.10	0.20	5.00	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
06...	0841	61	6.9	10.0	10.6	94	751
06...	0843	61	6.9	10.0	10.5	94	751
06...	0845	61	7.0	10.0	10.4	93	751
06...	0846	61	7.0	10.0	10.5	95	751
06...	0847	61	7.0	10.0	10.5	94	751
06...	0849	61	7.0	10.0	10.5	94	751
06...	0850	61	7.0	10.0	10.5	94	751
06...	0851	61	7.0	10.0	10.5	94	751
06...	0852	61	7.0	10.0	10.5	94	751
06...	0853	61	7.1	10.0	10.4	93	751

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL										
31...	1515	80513	80020	31	52	8.4	760	28.0	0.40	8.3

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	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)
JUL 31...	1515	106	180	24	19	2	5.2	1.4	1.8	17

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)
JUL 31...	1515	0.2	0.70	17	0	20	16	3.2	1.6	<0.10

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
JUL 31...	1515	7.0	24	32	0.03	2.01	0.120	0.120	0.53	0.010

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JUL 31...	1515	0.03	0.130	0.130	0.080	0.10	<0.20	<0.010	<0.010	0.010

DATE	TIME	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUL 31...	1515	0.03	13	9.0	<3.0	31	<4	6.0	<10	<1.0

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	URANIUM NATURAL 2 SIGMA WATER, DISS. (UG/L) (75990)	RA-226 2 SIGMA WATER, DISS. (PCI/L) (76001)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JUL 31...	1515	<1	<1.0	18	<6	0.0	0.010	0.05	11	0.92

07341200 SALINE RIVER NEAR LOCKESBURG

LOCATION.--Lat 33°57'43", long 94°03'40", in NW1/4SE1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, on right bank 50 ft upstream of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi².

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

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Regulation since May 8, 1975, by Dierks Lake 5.9 mi upstream, capacity 159,500 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	15	8.4	20	19	30	49	141	76	76	80	22
2	11	28	8.7	45	18	25	38	94	133	74	176	22
3	11	25	9.7	74	18	22	33	72	87	59	234	22
4	15	14	8.5	45	17	21	30	52	77	24	436	21
5	12	12	7.9	30	16	20	29	27	49	23	141	19
6	11	e10	8.2	24	16	20	27	28	38	23	216	19
7	10	8.9	8.3	21	16	20	24	372	41	22	231	18
8	10	8.2	13	20	17	18	23	460	43	23	218	18
9	10	7.9	27	18	18	17	22	476	35	26	120	18
10	10	7.7	20	18	17	17	21	452	31	41	65	18
11	10	8.2	15	18	18	17	20	427	30	37	82	17
12	9.5	8.3	14	17	16	17	23	407	28	208	85	17
13	7.3	8.5	13	16	15	17	650	392	33	566	164	17
14	206	8.7	13	16	15	17	457	317	32	259	157	17
15	224	8.3	14	15	14	17	328	295	28	372	85	18
16	218	7.9	15	15	14	17	762	182	26	525	47	20
17	14	7.8	19	15	14	17	1000	73	24	524	43	22
18	8.1	8.1	30	21	14	20	983	33	24	508	41	19
19	7.2	7.9	45	37	15	24	950	27	24	500	41	18
20	6.9	7.7	42	30	15	25	256	25	31	495	36	19
21	6.5	7.9	25	24	15	21	141	23	27	490	23	19
22	6.3	7.7	20	22	15	20	143	23	24	478	22	18
23	6.5	8.1	18	21	14	20	321	29	23	279	22	18
24	6.6	8.0	17	23	14	21	564	226	22	124	22	23
25	7.1	8.2	16	39	14	114	505	268	22	26	22	27
26	8.2	8.3	15	30	13	114	184	265	24	23	22	25
27	216	8.1	16	25	15	61	155	272	27	33	23	43
28	234	8.3	15	22	47	62	148	274	127	55	25	502
29	205	8.2	14	21	48	132	147	198	106	54	24	591
30	18	8.1	15	20	---	90	142	164	78	55	23	564
31	12	---	17	19	---	65	---	160	---	105	22	---
TOTAL	1548.2	299.0	527.7	781	517	1118	8175	6254	1370	6107	2948	2211
MEAN	49.9	9.97	17.0	25.2	17.8	36.1	272	202	45.7	197	95.1	73.7
MAX	234	28	45	74	48	132	1000	476	133	566	436	591
MIN	6.3	7.7	7.9	15	13	17	20	23	22	22	22	17
AC-FT	3070	593	1050	1550	1030	2220	16220	12400	2720	12110	5850	4390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

MEAN	189	405	689	517	640	790	585	558	384	240	57.8	61.4
MAX	887	1854	2719	1292	1521	1772	1415	1295	1458	1451	236	454
(WY)	1994	1975	1983	1994	1989	1990	1979	1979	1981	1983	1989	1992
MIN	4.88	9.97	14.7	25.2	17.8	36.1	218	40.0	22.3	15.8	20.5	8.03
(WY)	1978	1996	1990	1996	1996	1996	1981	1987	1988	1978	1977	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	106286.9		31855.9			
ANNUAL MEAN	291		87.0		[a]426	
HIGHEST ANNUAL MEAN					733	1983
LOWEST ANNUAL MEAN					87.0	1996
HIGHEST DAILY MEAN	5300	May 9	1000	Apr 17	36800	Dec 3 1982
LOWEST DAILY MEAN	6.3	Oct 22	6.3	Oct 22	[b]2.3	Oct 16 1977
ANNUAL SEVEN-DAY MINIMUM	6.7	Oct 19	6.7	Oct 19	2.4	Oct 14 1977
INSTANTANEOUS PEAK FLOW			1100	Apr 13	[c]59600	Dec 3 1982
INSTANTANEOUS PEAK STAGE			9.22	Apr 13	[d]20.52	Dec 3 1982
ANNUAL RUNOFF (AC-FT)	210800		63190		308300	
10 PERCENT EXCEEDS	928		266		1020	
50 PERCENT EXCEEDS	45		23		121	
90 PERCENT EXCEEDS	8.5		8.5		17	

[a]Prior to regulation, water years 1964-74,382 ft³/s
[b]Minimum discharge for period of record, 0.20 ft³/s Nov. 6, 1963, and Oct. 29, 1969
[c]Maximum discharge for period of record, 64,700 ft³/s May 14, 1968, from rating extended above 23,000 ft³/s on basis of contracted opening measurement of peak flow
[d]Maximum gage height, 20.86 ft May 14, 1968
[e]Estimated

07356000 OUACHITA RIVER NEAR MOUNT IDA

LOCATION.--Lat 34°36'36", long 93°41'50", in SE1/4SW1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi^2.

PERIOD OF RECORD.--November 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft above sea lavel. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941 to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Records good. As of August 1977, flow from 34.3 mi^2 upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,355 acre-ft is sediment storage. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft higher than that of 1908 and is the highest since at least that date, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	61	42	123	236	245	704	391	495	69	106	107
2	40	120	42	736	214	219	580	328	1630	63	497	88
3	47	131	42	1050	196	197	496	279	802	59	388	78
4	54	97	42	730	176	180	456	247	582	57	278	69
5	e60	73	42	591	157	171	470	221	460	56	238	61
6	60	62	41	533	148	425	396	227	375	56	176	55
7	55	57	40	464	148	564	346	1670	891	56	130	50
8	49	52	43	389	146	415	317	922	604	53	106	47
9	45	49	46	334	144	353	279	607	449	50	124	42
10	42	49	50	308	137	311	250	475	349	52	134	39
11	40	54	50	284	127	276	225	8290	281	68	96	36
12	39	50	52	262	116	247	235	3120	235	106	86	33
13	37	53	53	241	108	224	2830	1670	204	228	76	31
14	35	50	51	223	102	207	1930	1300	182	347	72	30
15	33	49	49	207	100	194	1220	939	167	229	62	e31
16	32	48	48	192	93	180	876	720	148	283	54	43
17	31	48	96	180	89	165	695	563	145	186	49	64
18	30	48	969	275	86	195	579	455	160	132	47	65
19	30	47	1380	951	412	641	498	371	147	106	57	67
20	30	47	778	690	1630	634	647	300	129	87	89	56
21	29	46	493	559	789	527	664	253	116	74	70	51
22	28	46	359	474	572	458	779	376	103	65	59	46
23	27	45	269	448	465	398	2810	460	91	59	52	41
24	27	44	213	584	375	358	1600	354	83	70	48	79
25	26	44	178	573	304	633	1120	255	78	150	43	80
26	28	43	159	487	263	691	853	204	86	106	43	205
27	30	43	143	429	244	558	665	183	79	115	50	1190
28	30	42	127	371	297	989	551	235	76	99	274	898
29	30	41	115	329	287	1570	542	220	77	70	334	563
30	30	41	109	297	---	1110	484	174	77	68	196	393
31	30	---	107	266	---	885	---	147	---	90	140	---
TOTAL	1144	1680	6228	13580	8161	14220	24097	25956	9301	3309	4174	4638
MEAN	36.9	56.0	201	438	281	459	803	837	310	107	135	155
MAX	60	131	1380	1050	1630	1570	2830	8290	1630	347	497	1190
MIN	26	41	40	123	86	165	225	147	76	50	43	30
AC-FT	2270	3330	12350	26940	16190	28210	47800	51480	18450	6560	8280	9200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1996, BY WATER YEAR (WY)

MEAN	356	698	1030	906	1105	1347	1140	1148	508	243	96.6	205
MAX	4031	2935	5373	3676	4574	5692	4230	3679	2084	1130	506	1470
(WY)	1985	1973	1983	1949	1945	1945	1957	1990	1974	1951	1950	1974
MIN	7.24	21.9	37.1	34.5	104	197	275	102	28.6	13.9	6.33	5.45
(WY)	1957	1964	1964	1964	1963	1972	1963	1977	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1942 - 1996	
ANNUAL TOTAL	207911		116488			
ANNUAL MEAN	570		318		730	
HIGHEST ANNUAL MEAN					1499	1945
LOWEST ANNUAL MEAN					263	1963
HIGHEST DAILY MEAN	17600	Jan 13	8290	May 11	79800	Dec 3 1982
LOWEST DAILY MEAN	19	Sep 6	26	Oct 25	2.5	Aug 25 1954
ANNUAL SEVEN-DAY MINIMUM	19	Sep 4	28	Oct 20	2.8	Aug 19 1954
INSTANTANEOUS PEAK FLOW			13500	May 11	102000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			14.71	May 11	[a]39.78	Dec 3 1982
INSTANTANEOUS LOW FLOW			26	Oct 24,25	2.3	Aug 25 1954
ANNUAL RUNOFF (AC-FT)	412400		231100		528800	
10 PERCENT EXCEEDS	1100		698		1590	
50 PERCENT EXCEEDS	191		148		244	
90 PERCENT EXCEEDS	30		42		32	

[a]From floodmark
[e]Estimated

07359002 OUACHITA RIVER BELOW REMMEL DAM AT JONES MILL

LOCATION.--Lat 34°25'50", long 92°52'51", in NE1/4NE1/4 sec.36, T.3 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at left bank 0.25 mi downstream from confluence of Cove Creek, 0.8 mi downstream from Remmel Dam at Jones Mill and at mile 455.1.

DRAINAGE AREA.--1,550 mi^2.

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1924 (fragmentary), October 1925 to April, 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937, as "near Malvern (07359500)" April 1937 to September 1991.

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 248.16 ft above sea level. March 1903 to April 1905, nonrecording gage 5.0 mi downstream at datum 18.11 ft lower. June 1922 to September 1924, nonrecording gage 5.0 mi downstream at datum 20.11 ft lower. January 1925 to March 1937, water-stage recorder at Remmel Dam, 0.8 mi upstream at present datum. April 1937 to September 1991 water-stage recorder 5.0 mi downstream at datum 20.11 ft lower.

REMARKS.--Records good, except periods of estimated daily discharge, which are fair. Flow regulated since 1925 by Lake Catherine, 0.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1370	448	505	940	361	405	461	1860	1640	1690	577
2	1270	1830	423	2080	479	352	832	808	552	2180	3220	464
3	475	1470	426	2690	754	332	911	378	1150	1930	2100	471
4	522	2290	422	708	1080	341	915	449	509	496	2550	971
5	582	2050	400	440	882	366	782	814	669	1120	2290	402
6	507	1740	414	495	456	341	403	1700	2170	1500	2750	1300
7	473	1500	392	1240	531	800	416	5320	2100	1010	2600	1290
8	499	1730	425	2230	371	340	417	1140	1190	443	1700	1340
9	542	1790	425	523	419	397	522	3420	1060	596	1270	976
10	471	1510	417	413	444	331	387	3430	474	453	961	1180
11	657	747	596	586	418	341	388	7870	602	825	486	e1100
12	504	433	454	594	418	326	850	7210	666	850	515	e800
13	470	825	427	465	377	322	5700	7150	642	583	559	644
14	463	999	422	419	407	341	3140	3400	807	789	1420	709
15	463	791	429	459	421	321	404	3420	456	691	2530	590
16	485	462	431	413	418	310	804	3430	417	548	1830	e800
17	470	466	419	616	471	303	1010	3910	1730	571	1230	e1000
18	682	457	452	655	392	1010	895	2410	825	676	1020	1440
19	481	430	654	1820	1200	448	807	3450	1200	2110	1680	2080
20	507	457	513	1010	1610	411	1020	3360	2170	1810	1810	1540
21	558	836	446	409	1060	423	738	2760	1730	1830	886	1340
22	420	444	403	413	497	469	1700	3260	1130	1690	2500	969
23	e700	424	410	501	645	460	635	3260	504	1880	2420	1240
24	e680	446	409	466	419	967	604	1510	1160	1450	966	489
25	e650	465	395	854	393	1710	458	494	1020	561	1220	581
26	655	430	415	419	1000	360	895	412	1910	1360	1630	2280
27	501	420	426	445	409	662	878	e700	519	758	1200	e1500
28	708	452	432	424	402	678	1580	e3500	947	548	956	1350
29	611	419	424	412	343	385	900	1180	921	1580	1010	477
30	750	431	427	508	---	886	491	899	647	2530	548	1630
31	775	---	411	948	---	424	---	539	---	3400	839	---
TOTAL	18761	28114	13587	24160	17656	15518	29887	82044	31737	38408	48386	31530
MEAN	605	937	438	779	609	501	996	2647	1058	1239	1561	1051
MAX	1270	2290	654	2690	1610	1710	5700	7870	2170	3400	3220	2280
MIN	420	419	392	409	343	303	387	378	417	443	486	402
AC-FT	37210	55760	26950	47920	35020	30780	59280	162700	62950	76180	95970	62540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

MEAN	1313	2123	3192	3745	3374	3391	3686	3571	1795	1148	1066	1153
MAX	6425	9717	13790	13560	11880	17230	13620	12550	9436	3602	2850	4224
(WY)	1985	1985	1983	1949	1950	1945	1952	1946	1974	1967	1966	1950
MIN	126	97.1	395	87.1	417	442	403	263	161	98.2	93.5	95.7
(WY)	1933	1944	1940	1931	1936	1966	1963	1936	1934	1930	1930	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	779252		379788			
ANNUAL MEAN	2135		1038		2459	
HIGHEST ANNUAL MEAN					5209	1973
LOWEST ANNUAL MEAN					746	1954
HIGHEST DAILY MEAN	21200	Apr 11	7870	May 11	104000	Mar 30 1945
LOWEST DAILY MEAN	364	Sep 4	303	Mar 17	39	Jun 22 1929
ANNUAL SEVEN-DAY MINIMUM	413	Dec 22	323	Mar 11	58	Nov 13 1943
INSTANTANEOUS PEAK FLOW			10800	May 11	[a]166000	May 20 1990
INSTANTANEOUS PEAK STAGE			7.46	May 11	[bc]30.30	May 15 1923
INSTANTANEOUS LOW FLOW			17	May 4	17	May 4 1996
ANNUAL RUNOFF (AC-FT)	1546000		753300		1782000	
10 PERCENT EXCEEDS	5180		2130		5620	
50 PERCENT EXCEEDS	1500		654		1420	
90 PERCENT EXCEEDS	441		408		270	
10 PERCENT EXCEEDS	5180		2200		5620	
50 PERCENT EXCEEDS	1520		669		1420	
90 PERCENT EXCEEDS	443		417		270	

[a]From rating curve extended above 120,000 ft^3/s on basis of computation of peak flow over Remmel Dam, 0.8 mi upstream, adjusted for flow from intervening area
[b]From floodmark
[c]Maximum gage height for period of record at different site and datum
[e]Estimated

07359610 CADDO RIVER NEAR CADDO GAP

LOCATION.--Lat 34°22'59", long 93°36'21", in SW1/4NE1/4 sec.19, T.4 S., R.24 W., Montgomery County, Hydrologic Unit 08040102, at downstream side of bridge on State Highway 240, 1.3 mi southeast of Caddo Gap.

DRAINAGE AREA.--132 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Results of discharge measurements April 1975 to September 1978 are contained in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 577.81 ft above sea level.

REMARKS.--No estimated daily discharges. Records good, except those above 10,000 ft^3/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	88	48	137	79	114	210	166	227	49	48	63
2	48	95	48	551	75	96	174	133	253	48	445	59
3	57	61	48	344	70	85	147	117	160	48	332	56
4	47	53	47	235	69	78	140	107	123	47	262	54
5	42	51	47	169	66	134	117	97	102	48	138	53
6	41	51	47	134	65	255	103	1210	91	48	95	53
7	40	53	47	109	68	194	93	3040	209	47	75	52
8	41	50	59	92	67	150	88	818	126	46	64	52
9	40	48	68	86	65	124	82	466	99	48	59	52
10	40	49	57	79	64	107	76	341	87	59	56	51
11	41	62	52	75	62	94	72	4360	76	52	56	51
12	40	59	50	70	61	86	578	1110	71	67	54	50
13	39	56	50	67	60	80	2540	632	78	67	54	50
14	37	52	49	65	60	76	1130	452	73	139	53	50
15	35	50	48	64	60	71	647	341	65	144	52	68
16	36	48	48	62	58	65	423	273	62	78	51	94
17	37	48	222	62	57	61	318	214	174	63	51	55
18	36	48	327	112	57	169	258	166	397	52	112	53
19	36	48	364	141	309	313	218	134	167	50	84	53
20	37	48	193	117	366	220	323	114	120	48	57	53
21	35	48	127	101	253	175	247	102	92	47	54	54
22	36	48	97	91	195	145	542	174	74	46	53	52
23	35	48	82	185	157	119	696	159	66	46	52	51
24	36	47	72	334	124	155	424	119	61	46	52	73
25	38	47	67	235	107	539	324	100	55	64	52	64
26	42	48	64	184	98	325	262	88	88	48	51	307
27	49	48	62	140	143	255	212	173	71	47	80	568
28	42	47	61	117	205	413	188	313	64	65	293	366
29	41	47	60	104	140	382	285	196	58	47	139	211
30	40	47	63	95	---	307	207	139	52	47	91	140
31	41	---	66	86	---	257	---	116	---	54	72	---
TOTAL	1249	1593	2740	4443	3260	5644	11124	15970	3441	1805	3187	3008
MEAN	40.3	53.1	88.4	143	112	182	371	515	115	58.2	103	100
MAX	57	95	364	551	366	539	2540	4360	397	144	445	568
MIN	35	47	47	62	57	61	72	88	52	46	48	50
AC-FT	2480	3160	5430	8810	6470	11190	22060	31680	6830	3580	6320	5970
CFSM	.30	.39	.65	1.05	.83	1.34	2.73	3.79	.84	.43	.76	.74
IN.	.34	.44	.75	1.22	.89	1.54	3.04	4.37	.94	.49	.87	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	178	365	513	420	333	421	315	447	162	134	81.7	92.4
MAX	405	810	1289	799	697	886	578	1176	286	266	203	177
(WY)	1994	1992	1994	1994	1989	1990	1991	1990	1989	1995	1994	1994
MIN	40.3	52.5	50.9	143	112	182	111	126	80.6	58.2	45.8	48.7
(WY)	1996	1990	1990	1996	1996	1996	1992	1992	1994	1996	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	70321		57464			
ANNUAL MEAN	193		157		289	
HIGHEST ANNUAL MEAN					389	1994
LOWEST ANNUAL MEAN					157	1996
HIGHEST DAILY MEAN	5100	May 8	4360	May 11	28600	Dec 3 1993
LOWEST DAILY MEAN	34	Sep 11	35	Oct 15	31	Aug 28 1993
ANNUAL SEVEN-DAY MINIMUM	36	Sep 6	36	Oct 18	32	Aug 25 1993
INSTANTANEOUS PEAK FLOW			14400	May 11	[a]97200	Dec 3 1993
INSTANTANEOUS PEAK STAGE			14.68	May 11	26.27	Dec 3 1993
INSTANTANEOUS LOW FLOW			35	Oct 15,20-23	29	Aug 29 1993
ANNUAL RUNOFF (AC-FT)	139500		114000		209200	
ANNUAL RUNOFF (CFSM)	1.42		1.15		2.12	
ANNUAL RUNOFF (INCHES)	19.23		15.72		28.85	
10 PERCENT EXCEEDS	348		314		513	
50 PERCENT EXCEEDS	87		70		119	
90 PERCENT EXCEEDS	41		47		47	

[a]From rating curve extended above 10,000ft^3/s on basis of slope-conveyance study

07361500 ANTOINE RIVER AT ANTOINE

LOCATION.--Lat 34°02'20", long 93°25'05", in NW1/4NW1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi downstream from Brushy Creek, 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft above sea level. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	1.0	21	17	33	154	e214	e43	111	13	10	51
2	.26	1.9	21	41	30	126	e168	e40	176	8.6	1510	36
3	.33	2.3	21	151	27	100	e133	e32	176	6.0	476	28
4	.29	32	21	106	26	81	e113	26	135	4.1	409	23
5	.34	33	21	78	25	73	e95	21	101	3.6	299	19
6	.40	25	21	62	19	e79	e74	488	76	100	222	16
7	.45	22	20	51	18	e69	e62	4310	78	46	150	14
8	.48	17	25	45	18	e52	e55	914	114	16	94	12
9	.50	14	31	37	19	e42	e42	513	91	10	64	10
10	.50	15	33	31	19	e38	e41	384	61	9.3	45	9.3
11	.48	24	33	29	17	e35	e35	2220	41	7.6	35	8.4
12	.45	25	32	26	15	e32	e54	1000	29	11	29	7.6
13	.43	26	33	23	13	e30	e1310	595	30	23	46	6.9
14	.38	25	41	20	12	e31	e737	464	74	109	31	6.1
15	.30	24	42	18	11	e27	e450	369	75	202	25	5.6
16	.24	22	42	17	9.3	e25	e314	305	53	176	19	5.8
17	.19	22	45	15	8.6	e22	e244	255	33	100	14	5.7
18	.12	21	55	23	8.7	e50	e197	218	23	43	12	5.4
19	.09	21	70	45	696	e193	e156	189	17	20	10	5.3
20	.05	21	90	66	678	e150	e125	163	14	10	11	5.5
21	.01	20	62	58	343	e115	e95	145	11	7.0	9.9	6.9
22	.00	20	46	52	239	e93	e94	457	9.2	4.8	8.5	9.3
23	.00	20	37	49	180	e81	e285	511	8.5	3.3	7.5	9.2
24	.00	20	30	54	126	e64	e162	307	7.6	2.8	6.6	12
25	.00	20	24	65	93	e456	e135	239	6.5	57	5.9	12
26	.02	20	20	58	77	e298	e110	199	259	104	5.4	18
27	.19	20	17	51	79	e226	e85	186	234	50	7.2	93
28	.26	21	14	45	269	e380	e69	192	113	155	180	216
29	.32	21	13	40	203	e482	e58	175	45	38	322	126
30	.42	21	13	38	---	e360	e51	139	22	13	152	65
31	.51	---	15	36	---	e280	---	102	---	11	81	---
TOTAL	8.29	597.2	1009	1447	3311.6	4244	5763	15201	2223.8	1364.1	4297.0	848.0
MEAN	.27	19.9	32.5	46.7	114	137	192	490	74.1	44.0	139	28.3
MAX	.51	33	90	151	696	482	1310	4310	259	202	1510	216
MIN	.00	1.0	13	15	8.6	22	35	21	6.5	2.8	5.4	5.3
AC-FT	16	1180	2000	2870	6570	8420	11430	30150	4410	2710	8520	1680
CFSM	.00	.11	.18	.26	.64	.77	1.08	2.75	.42	.25	.78	.16
IN.	.00	.12	.21	.30	.69	.89	1.20	3.18	.46	.29	.90	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	107	301	432	332	436	518	473	432	183	96.7	40.1	40.0
MAX	838	1271	1958	956	1344	1325	1548	2266	1430	823	598	439
(WY)	1985	1974	1988	1991	1989	1990	1973	1968	1974	1983	1966	1980
MIN	.000	.37	1.48	21.4	76.3	74.0	32.7	15.1	3.34	.83	.013	.020
(WY)	1957	1957	1966	1966	1963	1972	1972	1988	1966	1964	1956	1956

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	75802.18		40313.99			
ANNUAL MEAN	208		110		282	
HIGHEST ANNUAL MEAN					551	1973
LOWEST ANNUAL MEAN					109	1971
HIGHEST DAILY MEAN	9680	Apr 11	4310	May 7	20500	May 2 1958
LOWEST DAILY MEAN	.00	Sep 3	.00	Oct 22	.00	Aug 4 1956
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 3	.01	Oct 20	.00	Aug 4 1956
INSTANTANEOUS PEAK FLOW			8830	May 7	35500	May 2 1958
INSTANTANEOUS PEAK STAGE			20.70	May 7	28.75	May 2 1958
INSTANTANEOUS LOW FLOW			.00	Oct 22-25	.00	at times
ANNUAL RUNOFF (AC-FT)	150400		79960		204200	
ANNUAL RUNOFF (CFSM)	1.17		.62		1.58	
ANNUAL RUNOFF (INCHES)	15.84		8.43		21.52	
10 PERCENT EXCEEDS	455		247		593	
50 PERCENT EXCEEDS	38		32		67	
90 PERCENT EXCEEDS	.24		3.5		1.5	

[e] Estimated

07362000 OUACHITA RIVER AT CAMDEN

LOCATION.--Lat 33°35'47", long 92°49'05", in SE1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of U.S. Army Corps of Engineers. Monthly discharge only, October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE .--Water-stage recorder. Datum of gage is 71.69 ft above sea level. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug. 10, 1938, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	937	1860	1290	1180	2180	3810	3950	3080	1710	3710	1470
2	1490	1060	1500	1290	1820	2040	3250	2220	2730	1760	4200	1430
3	1380	1490	1050	1620	1690	1740	2660	2260	4100	2470	7100	1360
4	1280	1860	988	3750	1170	1550	2530	2310	3050	3120	10000	1180
5	994	1940	944	4800	1570	1470	2780	1790	3410	2540	10700	1140
6	867	2410	931	3450	1930	1290	2660	1460	2410	1540	10200	1250
7	863	2360	933	2820	1550	1430	2280	3690	2230	2000	7250	1190
8	853	2070	950	1920	1350	1550	2120	15700	4320	2300	5410	1410
9	788	1720	967	2250	1210	1820	1850	20400	4390	2260	4620	1530
10	812	1900	1010	3360	1020	1960	1770	19300	3110	1460	3670	1540
11	800	2130	1100	2600	1130	1800	1650	15100	2380	1370	2540	1470
12	759	1810	1310	1680	976	1450	1610	16000	1630	1320	2000	1430
13	797	1350	1500	1420	1050	1420	1840	18600	1540	1480	1560	1740
14	737	1060	978	1460	1150	1320	7760	17800	1500	1840	1430	1440
15	745	1090	1030	1180	998	1060	11600	15900	1530	2130	1450	1380
16	694	1310	1010	1070	973	1090	7490	12200	1900	3070	1820	1380
17	684	1450	980	1130	949	1070	5010	9670	1560	2980	2900	1460
18	908	1630	1080	1080	1030	1070	4570	8340	1360	2600	2490	1800
19	823	1630	1180	1140	1050	1140	4230	7060	2410	2190	1960	1700
20	753	1090	1430	1500	1930	2090	4520	5870	1830	2120	1600	1840
21	753	1010	1400	3020	4990	2110	4610	7170	2180	2530	2250	2430
22	685	978	1490	2160	4510	2020	3630	8010	3260	2410	2200	2440
23	669	1070	1480	1370	3200	1610	4550	6710	2870	2950	1680	2240
24	643	1100	1080	1310	2400	1640	5720	7100	1980	2810	3010	1610
25	914	963	1170	1280	1870	1900	4930	6670	1410	3290	3080	1590
26	798	1020	1050	1420	1490	3170	4500	4990	1580	2490	2000	1560
27	880	1010	951	2030	1390	4780	4230	2790	1730	1780	1780	1640
28	981	934	1000	2260	1890	3520	4140	2060	2270	2000	2280	2970
29	1060	949	1110	1290	2060	3310	5570	3240	1640	1910	1910	3070
30	789	968	1130	1360	---	4250	6070	5580	1520	1540	1580	3060
31	878	---	1370	1100	---	3890	---	4040	---	2150	1740	---
TOTAL	27127	42299	35962	59410	49526	62740	123940	257980	70910	68120	110120	51750
MEAN	875	1410	1160	1916	1708	2024	4131	8322	2364	2197	3552	1725
MAX	1490	2410	1860	4800	4990	4780	11600	20400	4390	3290	10700	3070
MIN	643	934	931	1070	949	1060	1610	1460	1360	1320	1430	1140
AC-FT	53810	83900	71330	117800	98230	124400	245800	511700	140600	135100	218400	102600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

MEAN	2467	5261	9262	12130	12200	12610	13100	12880	5204	2840	1976	2283
MAX	18200	25370	41930	46610	40110	45110	48110	52200	31090	13640	7469	19410
(WY)	1985	1973	1983	1937	1950	1945	1945	1968	1974	1989	1966	1974
MIN	291	381	740	686	1542	1742	1578	1674	411	260	176	154
(WY)	1933	1933	1940	1940	1936	1954	1930	1932	1936	1930	1930	1943

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	2107659		959884			
ANNUAL MEAN	5774		2623		7664	
HIGHEST ANNUAL MEAN					16120	1973
LOWEST ANNUAL MEAN					2292	1936
HIGHEST DAILY MEAN	32900	Jan 22	20400	May 9	238000	Apr 3 1945
LOWEST DAILY MEAN	643	Oct 24	643	Oct 24	125	Sep 16 1943
ANNUAL SEVEN-DAY MINIMUM	745	Oct 20	745	Oct 20	132	Sep 11 1943
INSTANTANEOUS PEAK FLOW			21100	May 9	243000	Apr 3 1945
INSTANTANEOUS PEAK STAGE			22.73	May 9,10	44.82	Apr 3 1945
INSTANTANEOUS LOW FLOW			580	Oct 24	125	[a]Sep 16 1943
ANNUAL RUNOFF (AC-FT)	4181000		1904000		5552000	
10 PERCENT EXCEEDS	15100		4790		19200	
50 PERCENT EXCEEDS	3090		1720		3410	
90 PERCENT EXCEEDS	950		971		756	

[a]Also Sept. 24-26, 1943

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
17.	1555	80513	81213	519	67	7.6	765	18.5	7.6	81

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT										
17.	1555	K8	K2	21	5.8	1.6	4.9	32	0.5	1.2

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
17.	1555	6.5	4.5	48	<0.010	<0.020	<0.010	0.26	0.26

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
17.	1555	0.26	0.040	<0.020	0.010	0.03	18	25	80

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC								
05...	1041	80513	80513	290	1.10	2.20	894	984
05...	1043	80513	80513	290	2.80	5.60	923	--
05...	1046	80513	80513	290	2.70	5.40	952	--
05...	1048	80513	80513	290	2.70	5.40	981	--
05...	1050	80513	80513	290	2.30	4.60	1010	--
05...	1052	80513	80513	290	2.50	5.00	1040	--
05...	1056	80513	80513	290	2.30	4.60	1070	--
05...	1058	80513	80513	290	2.20	4.40	1100	--
05...	1100	80513	80513	290	2.00	4.00	1130	--
05...	1102	80513	80513	290	1.20	2.40	1160	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
05...	1041	52	5.9	12.5	9.9	93	767
05...	1043	52	6.1	12.5	9.9	92	767
05...	1046	52	6.2	12.5	10	93	767
05...	1048	52	6.2	12.5	10	93	767
05...	1050	52	6.3	12.5	10	93	767
05...	1052	52	6.3	12.5	9.9	93	767
05...	1056	52	6.3	12.5	9.9	93	767
05...	1058	52	6.3	12.5	9.9	92	767
05...	1100	52	6.3	12.5	9.9	92	767
05...	1102	51	6.3	12.5	9.8	91	767

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC											
06...	0830	80513	81213	854	61	8.2	765	--	--	--	K7
MAR											
06...	0830	80513	81213	1270	78	6.6	755	13.5	9.7	94	K16
APR											
24...	0830	80513	81213	5230	62	6.9	770	18.5	8.4	89	43
JUL											
31...	0905	80513	81213	2440	79	7.6	750	27.0	7.1	91	K710
AUG											
26...	1600	80513	81213	2430	68	7.6	762	28.0	8.3	106	K6

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC											
06...	0830	--	K6	17	4.6	1.3	5.2	38	0.6	1.1	7.5
MAR											
06...	0830	K16	K9	21	5.9	1.5	6.0	37	0.6	1.4	10
APR											
24...	0830	37	68	18	4.9	1.5	5.0	35	0.5	1.3	7.9
JUL											
31...	0905	1100	91	21	5.6	1.6	6.4	39	0.6	1.3	9.5
AUG											
26...	1600	K3	51	20	5.4	1.5	3.6	27	0.4	1.2	7.4

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	0830	3.9	30	0.020	<0.010	0.020	0.020	0.020	0.03	0.21
MAR										
06...	0830	7.3	60	0.180	<0.010	0.180	0.180	0.040	0.05	0.32
APR										
24...	0830	4.9	52	0.170	<0.010	0.170	0.170	0.040	0.05	0.47
JUL										
31...	0905	4.9	54	0.050	<0.010	0.050	0.050	0.031	0.04	0.31
AUG										
26...	1600	2.9	40	0.020	<0.010	0.020	0.020	<0.010	--	0.26

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	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)
DEC										
06...	0830	0.23	0.25	0.050	<0.020	0.010	0.03	29	67	49
MAR										
06...	0830	0.36	0.54	0.030	<0.020	0.010	0.03	25	86	96
APR										
24...	0830	0.51	0.68	0.040	0.040	0.020	0.06	47	664	91
JUL										
31...	0905	0.34	0.39	<0.020	<0.020	0.010	0.03	26	171	95
AUG										
26...	1600	0.26	0.28	<0.020	<0.020	<0.010	--	31	203	66

07362100 SMACKOVER CREEK NEAR SMACKOVER

LOCATION.--Lat 33°22'33", long 92°46'37", in NW1/4SE1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft above sea level (levels by U.S. Army Corps of Engineers.) Prior to Mar. 1, 1989, water-stage recorder at site 100 ft downstream at same datum. Mar. 1, 1989 to Sept. 4, 1991, non-recording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.6	11	129	36	48	566	167	13	31	1620	221
2	3.1	1.6	12	128	40	47	430	107	26	23	1680	135
3	3.0	1.7	13	105	40	40	225	86	49	18	1440	94
4	2.6	1.8	14	84	38	35	150	66	76	15	1350	69
5	2.6	1.7	14	65	38	32	139	50	60	12	1080	56
6	2.3	1.7	15	51	36	33	271	42	58	14	686	46
7	2.1	2.0	15	41	43	54	405	38	51	17	357	39
8	1.8	2.8	20	37	66	69	329	34	55	54	171	33
9	1.7	3.2	31	35	73	75	209	30	73	71	120	29
10	1.6	2.6	22	31	68	72	147	27	68	313	134	25
11	1.5	2.7	26	30	58	56	117	31	52	342	147	22
12	1.5	4.3	19	28	48	45	103	35	59	311	125	20
13	1.5	3.9	14	26	39	40	170	33	116	571	167	18
14	1.4	3.3	11	25	34	36	307	33	306	676	230	16
15	1.3	2.9	13	25	31	34	344	31	316	767	178	15
16	1.2	2.8	30	23	29	34	393	28	211	794	108	20
17	1.0	2.8	42	22	27	32	231	26	110	945	76	22
18	.91	2.6	87	26	25	54	136	23	68	989	59	19
19	.88	2.4	168	36	29	200	105	19	51	735	48	17
20	.87	2.4	149	36	56	272	87	16	268	201	40	19
21	.64	2.6	98	39	67	204	139	15	305	113	36	21
22	.53	2.9	64	37	72	132	576	13	138	84	38	23
23	.52	3.1	42	37	60	91	849	13	78	64	34	24
24	.46	3.8	33	80	48	75	447	12	53	92	30	33
25	.11	4.7	28	109	44	432	199	11	50	177	25	35
26	.20	6.2	25	99	35	631	133	9.8	68	298	23	37
27	.74	7.2	23	69	32	546	97	8.7	59	333	21	223
28	1.4	8.6	21	53	39	353	77	8.0	89	1180	26	575
29	2.1	9.9	21	43	43	254	84	8.6	69	1300	69	660
30	2.0	10	22	37	---	213	169	10	44	1080	211	575
31	1.7	---	63	36	---	339	---	11	---	1080	368	---
TOTAL	46.66	109.8	1166	1622	1294	4578	7634	1042.1	3039	12700	10697	3141
MEAN	1.51	3.66	37.6	52.3	44.6	148	254	33.6	101	410	345	105
MAX	3.4	10	168	129	73	631	849	167	316	1300	1680	660
MIN	.11	1.6	11	22	25	32	77	8.0	13	12	21	15
AC-FT	93	218	2310	3220	2570	9080	15140	2070	6030	25190	21220	6230
CFSM	.00	.01	.10	.14	.12	.38	.66	.09	.26	1.06	.90	.27
IN.	.00	.01	.11	.16	.13	.44	.74	.10	.29	1.23	1.03	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	115	253	562	608	795	803	714	515	430	138	53.8	100
MAX	1784	1143	1998	1980	2365	2467	4078	1701	2864	1949	346	2174
(WY)	1985	1975	1983	1962	1990	1990	1991	1966	1974	1989	1971	1974
MIN	1.51	3.66	33.5	52.3	44.6	112	90.6	33.6	8.91	1.81	1.78	1.58
(WY)	1996	1996	1982	1996	1996	1967	1971	1996	1972	1964	1969	1969

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1962 - 1996	
ANNUAL TOTAL	108232.26		47069.56			
ANNUAL MEAN	297		129		422	
HIGHEST ANNUAL MEAN					1074	1974
LOWEST ANNUAL MEAN					94.4	1963
HIGHEST DAILY MEAN	5000	Jan 20	1680	Aug 2	33100	Jun 9 1974
LOWEST DAILY MEAN	.11	Oct 25	.11	Oct 25	.00	Aug 24 1978
ANNUAL SEVEN-DAY MINIMUM	.46	Oct 21	.46	Oct 21	.05	Aug 22 1978
INSTANTANEOUS PEAK FLOW			1740	Aug 1,2	[a]52700	Jun 8 1974
INSTANTANEOUS PEAK STAGE			12.66	[b]Aug 1,2	24.97	[b]Jun 8 1974
INSTANTANEOUS LOW FLOW			.00	[b]Oct 25	.00	[b]Aug 9 1964
ANNUAL RUNOFF (AC-FT)	214700		93360		305500	
ANNUAL RUNOFF (CFSM)	.77		.33		1.10	
ANNUAL RUNOFF (INCHES)	10.46		4.55		14.88	
10 PERCENT EXCEEDS	870		335		1200	
50 PERCENT EXCEEDS	37		39		93	
90 PERCENT EXCEEDS	2.0		2.6		6.0	

[a]From rating curve extended above 31,000 ft^3/s
[b]No flow part of day, also Aug. 24-27, 1978

07362587 ALUM FORK SALINE RIVER NEAR REFORM

LOCATION.--Lat 34°47'50", long 92°56'00", in NW1/4NE1/4 sec.29, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 100 ft above low-water bridge on forest road, 5.7 mi west of Reform.

DRAINAGE AREA.--27.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	28	.66	21	12	24	41	26	58	.64	2.2	.68
2	.03	8.4	.66	123	10	20	32	20	55	.50	1.7	.60
3	.00	2.4	.66	69	7.7	16	27	17	27	.40	1.3	.50
4	.00	1.4	.66	41	6.0	12	22	14	19	.33	1.1	.41
5	.00	1.2	.66	29	4.8	14	18	9.8	12	.52	.93	.34
6	.00	1.0	.64	24	4.7	55	16	79	7.9	.64	.76	.31
7	.00	1.0	.63	19	4.7	31	13	301	268	.61	.61	.28
8	.00	1.0	.80	16	4.7	24	11	87	67	.50	1.2	.43
9	.00	1.0	1.0	15	4.3	20	8.6	47	40	.39	1.6	.66
10	.00	3.0	1.0	12	3.9	18	6.6	32	27	.35	.77	.68
11	.00	13	1.0	11	3.9	16	5.5	383	18	.34	.65	.56
12	.00	3.5	1.0	8.5	3.9	13	31	129	14	.34	.83	.43
13	.00	2.7	1.0	6.6	3.9	11	330	68	37	.34	.70	.35
14	.00	2.0	1.0	5.9	3.9	8.6	195	48	36	.39	.59	.29
15	.00	1.7	1.0	5.1	3.9	7.0	103	34	19	.47	.47	.29
16	.00	1.4	.93	4.6	3.9	5.6	62	25	13	.47	.41	.67
17	.00	1.2	84	4.3	3.9	4.6	43	19	8.3	.43	.35	.74
18	.00	1.1	76	19	3.9	60	32	15	5.8	.34	11	.63
19	.00	1.0	70	27	5.0	115	26	10	4.0	.27	2.7	.81
20	.00	1.0	32	24	e15	58	67	6.5	3.0	.21	1.1	.95
21	.00	.92	21	20	e12	39	47	5.6	2.3	.20	.77	2.7
22	.00	.92	16	18	e10	29	137	17	1.8	.17	.67	2.3
23	.00	.99	10	131	7.6	23	174	15	1.5	.16	.54	1.5
24	.00	.98	6.7	123	5.6	40	84	7.7	1.2	.32	.43	13
25	.00	.90	5.2	60	4.4	139	57	4.8	3.0	1.2	.54	8.8
26	.00	.84	4.5	43	4.0	66	39	3.4	3.2	.44	.46	62
27	.06	.83	3.6	28	18	47	27	7.6	1.8	33	2.5	110
28	.03	.80	2.8	23	50	76	23	8.9	1.2	13	2.9	64
29	.03	.69	2.5	21	30	68	57	5.2	.96	5.1	1.6	29
30	.03	.66	2.9	18	---	55	34	3.5	.79	3.9	1.1	18
31	.03	---	3.6	14	---	56	---	2.7	---	3.0	.79	---
TOTAL	0.21	85.53	354.10	984.0	255.6	1170.8	1768.7	1451.7	756.75	68.97	43.27	321.91
MEAN	.007	2.85	11.4	31.7	8.81	37.8	59.0	46.8	25.2	2.22	1.40	10.7
MAX	.06	28	84	131	50	139	330	383	268	33	11	110
MIN	.00	.66	.63	4.3	3.9	4.6	5.5	2.7	.79	.16	.35	.28
AC-FT	.4	170	702	1950	507	2320	3510	2880	1500	137	86	639
CFSM	.00	.11	.42	1.18	.33	1.40	2.18	1.73	.93	.08	.05	.40
IN.	.00	.12	.49	1.36	.35	1.61	2.44	2.00	1.04	.10	.06	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	19.9	52.7	130	73.4	59.8	90.7	102	68.5	19.1	6.22	3.26	3.39
MAX	60.5	146	336	135	145	265	296	157	61.5	24.0	18.3	10.7
(WY)	1991	1992	1991	1991	1990	1990	1991	1990	1992	1994	1994	1996
MIN	.007	2.22	1.37	31.7	8.81	37.8	8.10	1.18	2.39	.042	.000	.000
(WY)	1996	1990	1990	1996	1996	1996	1992	1992	1991	1991	1991	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	11760.59		7261.54			
ANNUAL MEAN	32.2		19.8		52.4	
HIGHEST ANNUAL MEAN					84.8	1991
LOWEST ANNUAL MEAN					19.8	1996
HIGHEST DAILY MEAN	1290	Jan 13	383	May 11	5800	Dec 21 1990
LOWEST DAILY MEAN	.00	Jul 20	.00	Oct 1	.00	Aug 21 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 26	.00	Oct 3	.00	Aug 21 1990
INSTANTANEOUS PEAK FLOW			684	Jun 7	[a]13500	Dec 21 1990
INSTANTANEOUS PEAK STAGE			6.89	Jun 7	[b]15.30	Dec 21 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	23330		14400		38000	
ANNUAL RUNOFF (CFSM)	1.19		.73		1.94	
ANNUAL RUNOFF (INCHES)	16.20		10.00		26.39	
10 PERCENT EXCEEDS	70		57		100	
50 PERCENT EXCEEDS	4.1		3.9		9.0	
90 PERCENT EXCEEDS	.00		.28		.04	

[a]From rating curve extended above 262 ft^3/s on basis of step-backwater computations
[b]From floodmark
[e]Estimated

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	0900	80513	81213	19	6.1	745	9.5	10	1.6	9.7	87
JAN 23...	1700	80513	81213	20	5.9	739	7.5	30	14	11.1	95
FEB 05...	0910	80513	81213	17	5.8	758	0.5	10	2.7	13.4	94
APR 04...	0905	80513	81213	19	6.6	744	12.5	10	2.2	10	96
MAY 08...	0900	80513	81213	16	5.9	747	17.0	20	7.2	9.0	95
JUL 08...	0915	80513	81213	24	6.1	740	26.0	10	1.5	6.3	79
SEP 09...	0915	80513	81213	25	6.1	745	21.0	20	14	6.3	72
26...	1915	80513	81213	16	5.7	738	20.0	100	23	8.5	97

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
DEC 05...	0900	K9	K17	7	1.0	1.0	1.2	27	0.2	0.40	6
JAN 23...	1700	42	260	6	1.0	0.90	1.0	25	0.2	0.30	18
FEB 05...	0910	<1	K1	6	0.90	0.90	1.0	26	0.2	0.30	5
APR 04...	0905	<1	K2	6	0.90	0.80	1.0	27	0.2	0.30	5
MAY 08...	0900	K41	54	5	0.80	0.80	1.0	28	0.2	0.30	5
JUL 08...	0915	K9	130	8	1.6	1.0	1.5	28	0.2	0.30	14
SEP 09...	0915	47	470	12	1.7	2.0	<0.10	--	--	0.40	11
26...	1915	--	--	--	--	--	--	--	--	--	5

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC 05...	0900	2.8	1.3	<0.10	4.0	<1	15	0.02	--	--	--
JAN 23...	1700	2.4	1.5	<0.10	4.6	18	23	0.02	0.089	0.089	0.39
FEB 05...	0910	2.6	1.4	<0.10	4.6	<1	15	0.02	0.134	0.134	0.59
APR 04...	0905	2.3	1.2	<0.10	5.0	24	15	0.03	0.033	0.033	0.15
MAY 08...	0900	2.1	1.0	<0.10	5.7	12	15	0.02	0.021	0.021	0.09
JUL 08...	0915	0.90	1.1	<0.10	4.2	28	19	0.04	0.019	0.019	0.08
SEP 09...	0915	1.3	1.2	<0.10	4.5	24	--	--	0.009	0.009	0.04
26...	1915	--	--	--	--	34	--	--	--	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
DEC 05...	0900	0.001	0.00	--	<0.002	<0.002	--	--	<0.20	--	0.002
JAN 23...	1700	0.001	0.00	0.090	0.090	0.003	0.00	--	<0.20	--	0.011
FEB 05...	0910	0.001	0.00	0.135	0.135	0.002	0.00	--	<0.20	--	<0.002
APR 04...	0905	0.001	0.00	0.034	0.034	0.002	0.00	--	<0.20	--	0.004
MAY 08...	0900	0.001	0.00	0.022	0.022	0.005	0.01	0.32	0.32	0.34	0.007
JUL 08...	0915	0.001	0.00	0.020	0.020	0.010	0.01	--	<0.20	--	0.008
SEP 09...	0915	0.001	0.00	0.010	0.010	0.008	0.01	--	<0.20	--	0.010
26...	1915	0.002	0.01	--	<0.002	0.008	0.01	0.56	0.57	0.57	0.030

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC										
05...	0900	<0.001	1.5	1.1	42	60	3	2.4	<0.10	--
JAN										
23...	1700	<0.001	5.1	5.0	98	400	14	3.8	<0.10	9
FEB										
05...	0910	<0.001	<0.10	<0.10	49	110	2	1.4	<0.10	3
APR										
04...	0905	<0.001	0.70	0.60	100	70	3	1.6	<0.10	7
MAY										
08...	0900	<0.001	4.7	3.4	60	130	5	2.9	<0.10	10
JUL										
08...	0915	<0.001	4.4	4.2	240	330	21	19	<0.10	--
SEP										
09...	0915	<0.001	5.2	4.9	200	540	30	21	<0.10	15
26...	1915	<0.001	16	15	--	620	38	--	--	25

07362588 LAKE WINONA DOWNSTREAM FROM STILLHOUSE CREEK NEAR REFORM

LOCATION.--Lat 34°48'28", long 92°54'06", in NE1/4 sec.22, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 0.5 mi downstream from Stillhouse Creek, and 3.4 mi upstream from dam.

PERIOD OF RECORD.--May 1989 to August 1990. December 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	1155	80513	80513	0.0	13.0	20	6.7	10.5	10.2	93	751
06...	1156	80513	80513	5.00	13.0	20	6.6	10.5	10.2	93	751
06...	1157	80513	80513	10.0	13.0	20	6.6	10.5	10.1	92	751
06...	1158	80513	80513	13.0	13.0	20	6.7	10.5	10.0	92	751
06...	1200	80513	81213	--	13.0	20	6.7	--	--	--	751
FEB											
07...	1143	80513	80513	0.0	15.0	19	6.6	3.5	12.0	91	748
07...	1144	80513	80513	5.00	15.0	19	6.5	4.0	10.6	82	748
07...	1145	80513	80513	10.0	15.0	19	6.5	4.0	10.1	78	748
07...	1146	80513	80513	14.8	15.0	19	6.5	4.0	9.7	75	748
07...	1150	80513	81213	--	15.0	19	6.5	--	--	--	748
APR											
09...	1135	80513	80513	0.0	15.0	18	7.1	12.0	10.5	99	752
09...	1136	80513	80513	5.00	15.0	18	7.0	12.0	10.4	98	752
09...	1137	80513	80513	10.0	15.0	18	7.0	12.0	10.4	97	752
09...	1138	80513	80513	15.0	15.0	18	6.9	11.5	10.4	97	752
09...	1145	80513	81213	--	15.0	18	7.0	--	--	--	752
MAY											
07...	1214	80513	80513	0.0	19.0	19	6.6	21.5	8.9	103	749
07...	1215	80513	80513	5.00	19.0	19	6.5	21.0	8.7	100	749
07...	1216	80513	80513	10.0	19.0	18	6.2	19.5	8.5	93	749
07...	1217	80513	80513	11.0	19.0	18	6.0	18.5	8.3	90	749
07...	1219	80513	80513	14.0	19.0	17	5.9	17.5	8.3	89	749
07...	1220	80513	80513	15.0	19.0	17	5.9	17.5	8.3	89	749
07...	1221	80513	80513	19.0	19.0	19	6.0	17.0	8.1	85	749
07...	1240	80513	81213	--	19.0	18	6.5	--	--	--	749
07...	1250	80513	81213	--	19.0	17	5.9	--	--	--	749
JUL											
10...	1102	80513	80513	0.0	23.0	20	6.4	28.0	6.9	89	749
10...	1103	80513	80513	5.00	23.0	20	6.4	28.0	6.8	89	749
10...	1104	80513	80513	10.0	23.0	20	6.3	28.0	6.8	89	749
10...	1105	80513	80513	15.0	23.0	20	6.1	27.5	5.9	76	749
10...	1106	80513	80513	17.0	23.0	21	5.9	27.0	4.0	51	749
10...	1107	80513	80513	18.0	23.0	23	5.6	24.5	1.2	15	749
10...	1108	80513	80513	19.0	23.0	23	5.6	22.0	0.9	10	749
10...	1109	80513	80513	20.0	23.0	24	5.6	21.0	0.6	6	749
10...	1110	80513	80513	21.0	23.0	24	5.6	19.5	0.4	5	749
10...	1111	80513	80513	23.0	23.0	25	5.6	18.0	0.1	1	749
10...	1120	80513	81213	--	23.0	21	5.9	--	--	--	749
SEP											
11...	1102	80513	80513	0.0	13.0	19	6.5	26.5	7.5	96	749
11...	1103	80513	80513	5.00	13.0	19	6.4	26.0	7.5	95	749
11...	1104	80513	80513	10.0	13.0	19	6.5	26.0	7.4	93	749
11...	1105	80513	80513	13.0	13.0	20	6.0	25.5	5.6	70	749
11...	1110	80513	81213	--	13.0	--	--	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
06...	1155	--	--	--	--	1.30	--	--	--	--	--
06...	1200	0.0	13	15	3.6	--	<1	K2	7	<1	0.036
FEB											
07...	1143	--	--	--	--	1.90	--	--	--	--	--
07...	1150	0.0	15	10	5.4	--	<1	<1	6	22	0.082
APR											
09...	1135	--	--	--	--	1.50	--	--	--	--	--
09...	1145	0.0	15	5	2.5	--	<1	<1	6	10	0.026
MAY											
07...	1214	--	--	--	--	2.10	--	--	--	--	--
07...	1240	0.0	9.0	5	1.9	--	23	32	6	14	0.013
07...	1250	12	15	20	5.5	--	K280	410	7	20	0.021
JUL											
10...	1102	--	--	--	--	1.80	--	--	--	--	--
10...	1120	0.0	15	5	2.8	--	<1	<1	7	20	0.001
SEP											
11...	1102	--	--	--	--	2.00	--	--	--	--	--
11...	1110	0.0	12	<5	1.6	--	K3	<1	14	18	--

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	1200	0.036	0.16	0.001	0.00	0.037	0.037	0.004	0.01	0.24
FEB										
07...	1150	0.082	0.36	0.002	0.01	0.084	0.084	0.006	0.01	--
APR										
09...	1145	0.026	0.12	0.001	0.00	0.027	0.027	0.002	0.00	--
MAY										
07...	1240	0.013	0.06	0.001	0.00	0.014	0.014	0.003	0.00	0.20
07...	1250	0.021	0.09	0.002	0.01	0.023	0.023	0.006	0.01	--
JUL										
10...	1120	0.001	0.00	0.001	0.00	0.002	0.002	0.005	0.01	--
SEP										
11...	1110	--	--	<0.001	--	--	<0.002	0.004	0.01	--

07362588 LAKE WINONA DOWNSTREAM FROM STILLHOUSE CREEK NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
DEC										
06...	1200	0.24	0.28	0.010	<0.001	2.6	390	210	2.5	3.00
FEB										
07...	1150	<0.20	--	0.007	<0.001	<0.10	190	72	<0.10	1.00
APR										
09...	1145	<0.20	--	0.006	<0.001	1.7	120	44	1.5	2.00
MAY										
07...	1240	0.20	0.21	0.004	<0.001	4.0	80	15	3.7	0.990
07...	1250	<0.20	--	0.008	<0.001	4.6	150	23	4.3	--
JUL										
10...	1120	<0.20	--	0.009	<0.001	4.6	230	43	4.5	2.25
SEP										
11...	1110	<0.20	--	0.010	<0.001	5.0	130	25	4.9	2.60

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM

LOCATION.--Lat 34°48'16", long 92°51'16", in SE1/4 sec.24, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, 0.1 mi downstream from Gillis Branch, and 1.3 mi upstream from dam.

PERIOD OF RECORD.--May 1989 to August 1990. December 1994 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	1117	80513	80513	0.0	28.0	20	7.3	10.5	9.9	91	751
06...	1118	80513	80513	5.00	28.0	20	7.0	10.5	9.7	89	751
06...	1119	80513	80513	10.0	28.0	20	6.9	10.5	9.6	88	751
06...	1120	80513	80513	15.0	28.0	20	6.8	10.5	9.6	87	751
06...	1121	80513	80513	20.0	28.0	20	6.7	10.5	9.6	87	751
06...	1122	80513	80513	25.0	28.0	20	6.6	10.5	9.5	87	751
06...	1123	80513	80513	28.0	28.0	20	6.7	10.5	9.5	87	751
06...	1130	80513	81213	--	28.0	--	--	--	--	--	751
FEB											
07...	1102	80513	80513	0.0	27.0	20	6.6	4.0	10.9	85	748
07...	1103	80513	80513	5.00	27.0	20	6.5	4.0	10.7	83	748
07...	1104	80513	80513	10.0	27.0	20	6.6	4.0	10.4	80	748
07...	1105	80513	80513	15.0	27.0	20	6.6	4.0	10.0	78	748
07...	1106	80513	80513	20.0	27.0	20	6.6	4.0	10	77	748
07...	1107	80513	80513	25.0	27.0	20	6.6	4.0	10	77	748
07...	1108	80513	80513	27.0	27.0	20	6.6	4.0	9.6	75	748
07...	1115	80513	81213	--	27.0	20	6.7	--	--	--	748
APR											
09...	1048	80513	80513	0.0	27.0	19	7.3	12.0	10.3	96	752
09...	1050	80513	80513	5.00	27.0	19	7.1	11.5	10.4	97	752
09...	1052	80513	80513	10.0	27.0	19	7.0	11.5	11.6	108	752
09...	1054	80513	80513	15.0	27.0	19	6.9	11.5	11.3	104	752
09...	1055	80513	80513	20.0	27.0	19	6.8	11.0	11.4	105	752
09...	1056	80513	80513	25.0	27.0	19	6.8	11.0	11.6	106	752
09...	1057	80513	80513	27.0	27.0	19	6.6	10.5	11.4	104	752
09...	1110	80513	81213	--	27.0	19	7.0	--	--	--	752

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC											
06...	1117	--	--	--	--	1.80	--	--	--	--	--
06...	1130	0.0	20	15	2.2	--	<1	<1	6	<1	0.040
FEB											
07...	1102	--	--	--	--	2.80	--	--	--	--	--
07...	1115	0.0	27	10	2.5	--	K1	<1	6	22	0.065
APR											
09...	1048	--	--	--	--	1.50	--	--	--	--	--
09...	1110	0.0	27	5	1.8	--	<1	<1	7	18	0.036

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC										
06...	1130	0.040	0.18	0.001	0.00	0.041	0.041	0.004	0.01	0.20
FEB										
07...	1115	0.065	0.29	0.002	0.01	0.067	0.067	0.016	0.02	--
APR										
09...	1110	0.036	0.16	0.001	0.00	0.037	0.037	0.004	0.01	0.24

DATE	TIME	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC										
06...	1130	0.20	0.24	0.005	<0.001	2.6	350	240	2.4	3.00
FEB										
07...	1115	<0.20	--	0.005	<0.001	<0.10	140	120	<0.10	2.00
APR										
09...	1110	0.24	0.28	0.010	<0.001	1.7	120	58	1.7	2.00

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	DISSOLVED (PERCENT SATURATION) (00301)	METRIC PRESSURE (MM OF HG) (00025)
MAY											
07...	1120	80513	80513	0.0	34.0	19	6.9	21.0	8.9	102	749
07...	1121	80513	80513	5.00	34.0	19	6.8	21.0	9.0	103	749
07...	1122	80513	80513	10.0	34.0	19	6.9	19.5	9.5	105	749
07...	1123	80513	80513	12.0	34.0	19	7.0	18.5	9.7	105	749
07...	1125	80513	80513	14.0	34.0	19	7.0	17.5	9.7	103	749
07...	1126	80513	80513	15.0	34.0	19	7.0	17.0	9.6	102	749
07...	1127	80513	80513	20.0	34.0	19	6.7	16.5	9.0	93	749
07...	1129	80513	80513	25.0	34.0	19	6.4	15.5	8.5	86	749
07...	1130	80513	80513	27.0	34.0	19	6.2	14.5	8.5	84	749
07...	1131	80513	80513	30.0	34.0	19	6.1	14.0	8.2	81	749
07...	1132	80513	80513	34.0	34.0	19	6.2	13.5	8.1	79	749
07...	1140	80513	81213	--	34.0	19	7.0	--	--	--	749
07...	1150	80513	81213	--	34.0	19	6.2	--	--	--	749
JUL											
10...	1013	80513	80513	0.0	33.0	20	6.8	28.0	7.1	92	749
10...	1014	80513	80513	5.00	33.0	20	6.8	28.0	7.1	92	749
10...	1015	80513	80513	10.0	33.0	20	6.7	28.0	7.1	93	749
10...	1016	80513	80513	15.0	33.0	20	6.7	28.0	6.9	89	749
10...	1017	80513	80513	16.0	33.0	20	6.3	27.5	5.9	76	749
10...	1018	80513	80513	17.0	33.0	21	5.9	23.0	3.6	43	749
10...	1019	80513	80513	17.0	33.0	21	5.7	22.0	2.4	28	749
10...	1020	80513	80513	19.0	33.0	21	5.7	20.0	2.3	25	749
10...	1021	80513	80513	20.0	33.0	20	5.7	19.5	2.9	32	749
10...	1022	80513	80513	21.0	33.0	20	5.8	18.0	3.8	41	749
10...	1023	80513	80513	22.0	33.0	20	5.7	17.0	3.7	39	749
10...	1024	80513	80513	24.0	33.0	19	5.8	16.0	4.4	45	749
10...	1025	80513	80513	25.0	33.0	20	5.9	15.5	3.8	38	749
10...	1026	80513	80513	28.0	33.0	20	5.9	14.5	4.4	45	749
10...	1027	80513	80513	30.0	33.0	21	5.8	14.5	3.9	39	749
10...	1029	80513	80513	33.0	33.0	22	5.8	13.5	3.4	33	749
10...	1035	80513	81213	--	33.0	20	6.7	--	--	--	749
10...	1040	80513	81213	--	33.0	19	5.8	--	--	--	749
SEP											
11...	1014	80513	80513	0.0	32.0	19	6.8	26.5	7.8	98	751
11...	1015	80513	80513	5.00	32.0	19	6.9	26.5	7.8	98	751
11...	1016	80513	80513	10.0	32.0	19	6.9	26.5	7.7	97	751
11...	1017	80513	80513	15.0	32.0	19	6.8	26.0	7.5	95	751
11...	1018	80513	80513	16.0	32.0	19	6.3	25.5	6.1	76	751
11...	1019	80513	80513	17.0	32.0	20	5.9	24.0	2.6	32	751
11...	1020	80513	80513	18.0	32.0	21	5.7	22.5	1.3	16	751
11...	1021	80513	80513	19.0	32.0	21	5.7	21.5	1.0	12	751
11...	1022	80513	80513	20.0	32.0	21	5.7	20.0	1.1	12	751
11...	1023	80513	80513	20.0	32.0	21	5.6	19.0	1.6	18	751
11...	1024	80513	80513	22.0	32.0	20	5.7	18.0	1.5	16	751
11...	1025	80513	80513	23.0	32.0	19	5.8	17.0	2.6	27	751
11...	1026	80513	80513	25.0	32.0	19	5.8	16.0	2.7	28	751
11...	1027	80513	80513	30.0	32.0	21	5.9	14.5	1.3	13	751
11...	1028	80513	80513	32.0	32.0	22	5.9	13.5	1.1	11	751
11...	1040	80513	81213	--	32.0	--	--	--	--	--	--
11...	1050	80513	81213	--	32.0	--	--	--	--	--	--

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
MAY											
07...	1120	--	--	--	--	3.00	--	--	--	--	--
07...	1140	0.0	9.0	5	1.2	--	K3	K4	6	18	0.015
07...	1150	12	33	10	1.6	--	K4	K1	7	14	0.022
JUL											
10...	1013	--	--	--	--	2.60	--	--	--	--	--
10...	1035	0.0	15	20	1.2	--	K1	K2	7	20	--
10...	1040	24	30	10	<1.0	--	K1	<1	7	24	0.017
SEP											
11...	1014	--	--	--	--	3.40	--	--	--	--	--
11...	1040	0.0	15	<5	1.1	--	K11	K15	6	22	0.00
11...	1050	15	30	<5	1.6	--	K4	K8	6	20	0.009

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
MAY										
07...	1140	0.015	0.07	0.001	0.00	0.016	0.016	0.003	0.00	--
07...	1150	0.022	0.10	0.001	0.00	0.023	0.023	<0.002	--	0.21
JUL										
10...	1035	--	--	0.001	0.00	--	<0.002	0.002	0.00	--
10...	1040	0.017	0.08	0.001	0.00	0.018	0.018	0.023	0.03	--
SEP										
11...	1040	0.00	0.0	0.002	0.01	0.002	0.002	0.006	0.01	--
11...	1050	0.009	0.04	0.001	0.00	0.010	0.010	0.006	0.01	--

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	NESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAY										
07...	1140	<0.20	--	0.004	<0.001	4.0	50	10	3.4	1.67
07...	1150	0.21	0.23	0.004	<0.001	4.1	60	22	3.9	--
JUL										
10...	1035	<0.20	--	0.006	<0.001	4.5	110	29	3.9	1.68
10...	1040	<0.20	--	0.007	<0.001	4.5	170	130	4.1	--
SEP										
11...	1040	<0.20	--	0.003	<0.001	4.8	60	18	4.7	1.20
11...	1050	<0.20	--	0.004	<0.001	4.9	230	160	4.7	--

07362590 LAKE WINONA AT REFORM

LOCATION.--Lat 34°47'51", long 92°50'43", in SE1/4SE1/4 sec.19, T.2 N., R.17 W., Saline County, Hydrologic Unit 08040203, at dam on Lake Winona at Reform.

PERIOD OF RECORD.--May 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC											
06...	0933	80513	80513	0.0	70.0	20	6.2	10.5	9.1	83	751
06...	0934	80513	80513	5.00	70.0	20	6.3	10.5	8.9	81	751
06...	0936	80513	80513	10.0	70.0	20	6.3	10.5	8.9	81	751
06...	0937	80513	80513	15.0	70.0	20	6.2	10.5	8.8	81	751
06...	0938	80513	80513	20.0	70.0	20	6.2	10.5	8.8	80	751
06...	0939	80513	80513	25.0	70.0	20	6.2	10.5	8.8	80	751
06...	0940	80513	80513	30.0	70.0	20	6.2	10.5	8.6	79	751
06...	0941	80513	80513	35.0	70.0	20	6.2	10.5	8.7	79	751
06...	0942	80513	80513	40.0	70.0	20	6.3	10.5	8.6	78	751
06...	0943	80513	80513	45.0	70.0	20	6.1	10.5	8.1	74	751
06...	0944	80513	80513	50.0	70.0	21	6.0	10.0	7.1	64	751
06...	0945	80513	80513	55.0	70.0	21	6.1	10.0	6.7	60	751
06...	0946	80513	80513	60.0	70.0	21	6.0	10.0	6.6	59	751
06...	0947	80513	80513	65.0	70.0	22	5.9	10.0	5.9	53	751
06...	0948	80513	80513	70.0	70.0	25	5.8	9.5	1.1	9	751
06...	1000	80513	81213	--	70.0	20	6.2	--	--	--	751
FEB											
07...	0945	80513	80513	0.0	69.0	20	6.6	4.5	11.7	91	748
07...	0946	80513	80513	5.00	69.0	20	6.7	4.0	11.1	87	748
07...	0947	80513	80513	10.0	69.0	20	6.7	4.0	11.2	87	748
07...	0948	80513	80513	15.0	69.0	20	6.7	4.0	11.3	88	748
07...	0949	80513	80513	20.0	69.0	20	6.8	4.0	10.8	84	748
07...	0950	80513	80513	25.0	69.0	20	6.7	4.0	10.5	82	748
07...	0951	80513	80513	30.0	69.0	20	6.7	4.0	10.6	82	748
07...	0952	80513	80513	35.0	69.0	20	6.7	4.0	10.5	81	748
07...	0953	80513	80513	40.0	69.0	20	6.8	4.0	10.2	80	748
07...	0954	80513	80513	45.0	69.0	20	6.6	4.0	10.4	81	748
07...	0955	80513	80513	50.0	69.0	20	6.6	4.0	9.9	77	748
07...	0956	80513	80513	35.0	69.0	20	6.6	4.0	9.9	77	748
07...	0957	80513	80513	60.0	69.0	20	6.7	4.0	10.1	79	748
07...	0958	80513	80513	65.0	69.0	20	6.7	4.0	9.9	77	748
07...	0959	80513	80513	69.0	69.0	20	6.7	4.0	9.9	77	748
07...	1010	80513	81213	--	69.0	20	6.7	--	--	--	748

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
DEC										
06...	0933	--	--	--	--	2.40	--	--	--	--
06...	1000	0.0	70	20	1.6	--	K1	<1	8	1.5
FEB										
07...	0945	--	--	--	--	2.30	--	--	--	--
07...	1010	0.0	69	10	2.0	--	<1	<1	7	1.4

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
DEC										
06...	1000	1.0	1.0	21	0.2	0.40	7	2.2	1.0	<0.10
FEB										
07...	1010	0.90	1.0	22	0.2	0.40	6	2.3	1.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
DEC									
06...	1000	3.2	<1	15	0.02	0.042	0.042	0.19	0.001
FEB									
07...	1010	3.5	28	15	0.04	0.062	0.062	0.27	0.001

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
DEC									
06...	1000	0.00	0.043	0.043	0.012	0.02	<0.20	0.004	<0.001
FEB									
07...	1010	0.00	0.063	0.063	0.016	0.02	<0.20	0.004	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
DEC									
06...	1000	2.4	190	380	290	240	<0.10	1.8	1.00
FEB									
07...	1010	0.40	64	140	130	120	<0.10	0.30	2.00

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR											
09...	0856	80513	80513	0.0	72.0	19	6.5	11.5	11.1	103	752
09...	0857	80513	80513	5.00	72.0	19	6.7	11.5	11.1	103	752
09...	0859	80513	80513	10.0	72.0	19	6.6	11.5	10.9	101	752
09...	0900	80513	80513	15.0	72.0	19	6.6	11.0	10.9	100	752
09...	0901	80513	80513	20.0	72.0	19	6.5	10.5	10.9	99	752
09...	0902	80513	80513	25.0	72.0	19	6.5	10.5	10.8	97	752
09...	0903	80513	80513	30.0	72.0	19	6.4	10.0	10.7	96	752
09...	0904	80513	80513	35.0	72.0	19	6.4	10.0	10.6	95	752
09...	0905	80513	80513	40.0	72.0	19	6.4	9.5	10.6	95	752
09...	0906	80513	80513	45.0	72.0	19	6.4	9.5	10.7	95	752
09...	0907	80513	80513	50.0	72.0	19	6.4	9.5	10.6	95	752
09...	0908	80513	80513	55.0	72.0	19	6.3	9.5	10.6	94	752
09...	0909	80513	80513	60.0	72.0	19	6.3	9.5	10.4	93	752
09...	0910	80513	80513	65.0	72.0	19	6.3	9.5	10.3	91	752
09...	0911	80513	80513	70.0	72.0	19	6.1	9.5	9.9	87	752
09...	0912	80513	80513	71.0	72.0	19	6.2	9.5	9.7	86	752
09...	0940	80513	81213	--	72.0	19	6.5	--	--	--	752
MAY											
07...	0929	80513	80513	0.0	73.0	19	6.4	21.0	8.8	100	749
07...	0930	80513	80513	5.00	73.0	19	6.5	21.0	9.0	102	749
07...	0931	80513	80513	10.0	73.0	19	6.6	20.5	9.0	102	749
07...	0932	80513	80513	11.0	73.0	19	6.6	18.5	9.5	103	749
07...	0933	80513	80513	13.0	73.0	19	6.7	18.0	9.5	102	749
07...	0934	80513	80513	15.0	73.0	19	6.8	17.0	9.5	100	749
07...	0937	80513	80513	17.0	73.0	19	6.7	16.5	9.3	97	749
07...	0938	80513	80513	20.0	73.0	19	6.6	16.0	9.1	94	749
07...	0940	80513	80513	25.0	73.0	19	6.4	15.5	8.8	89	749
07...	0941	80513	80513	28.0	73.0	19	6.4	14.5	8.6	87	749
07...	0942	80513	80513	30.0	73.0	19	6.4	14.0	8.6	86	749
07...	0943	80513	80513	32.0	73.0	19	6.3	13.5	8.7	84	749
07...	0944	80513	80513	35.0	73.0	19	6.3	13.0	8.7	84	749
07...	0946	80513	80513	39.0	73.0	18	6.4	12.0	8.7	83	749
07...	0947	80513	80513	40.0	73.0	19	6.3	12.0	8.8	83	749
07...	0948	80513	80513	45.0	73.0	19	6.3	11.5	8.8	82	749
07...	0949	80513	80513	50.0	73.0	19	6.4	11.0	8.9	82	749
07...	0950	80513	80513	55.0	73.0	19	6.3	10.5	8.6	78	749
07...	0951	80513	80513	60.0	73.0	19	6.3	10.5	8.5	78	749
07...	0952	80513	80513	65.0	73.0	19	6.3	10.0	8.5	77	749
07...	0953	80513	80513	70.0	73.0	19	6.3	10.0	8.4	75	749
07...	0954	80513	80513	73.0	73.0	19	6.3	10.0	8.2	74	749
07...	1000	80513	81213	--	73.0	19	6.6	--	--	--	749
07...	1010	80513	81213	--	73.0	19	6.4	--	--	--	749
07...	1020	80513	81213	--	73.0	19	6.2	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
APR										
09...	0856	--	--	--	--	2.10	--	--	--	--
09...	0940	0.0	72	5	1.3	--	<1	<1	7	1.3
MAY										
07...	0929	--	--	--	--	3.80	--	--	--	--
07...	1000	0.0	9.0	5	1.2	--	<1	K2	7	1.3
07...	1010	15	39	10	1.3	--	<1	K2	7	1.3
07...	1020	42	72	5	1.1	--	<1	<1	7	1.3

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
APR										
09...	0940	0.90	1.2	26	0.2	0.40	6	2.6	1.1	<0.10
MAY										
07...	1000	0.90	1.0	23	0.2	0.30	6	2.5	1.0	<0.10
07...	1010	0.90	1.0	23	0.2	0.40	6	2.5	1.0	<0.10
07...	1020	0.90	1.0	23	0.2	0.30	5	2.5	1.0	<0.10

DATE	TIME	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
APR										
09...	0940	2.6	20	14	0.03	0.051	0.051	0.23	0.001	0.00
MAY										
07...	1000	2.4	12	13	0.02	0.016	0.016	0.07	0.001	0.00
07...	1010	2.5	14	13	0.02	0.025	0.025	0.11	0.001	0.00
07...	1020	2.6	14	13	0.02	0.047	0.047	0.21	0.001	0.00

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
APR									
09...	0940	0.052	0.052	0.005	0.01	<0.20	0.006	--	<0.001
MAY									
07...	1000	0.017	0.017	0.003	0.00	<0.20	0.005	--	<0.001
07...	1010	0.026	0.026	0.003	0.00	<0.20	0.004	0.01	0.002
07...	1020	0.048	0.048	0.020	0.03	<0.20	0.004	--	<0.001

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
APR									
09...	0940	8.0	60	100	62	47	<0.10	7.4	1.80
MAY									
07...	1000	3.7	20	50	9	<1.0	<0.10	2.9	1.40
07...	1010	3.5	20	60	18	<1.0	<0.10	2.6	--
07...	1020	4.1	20	60	37	10	<0.10	3.4	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL											
10...	0839	80513	80513	0.0	75.0	20	6.5	28.5	7.2	94	749
10...	0840	80513	80513	5.00	75.0	20	6.5	28.5	7.1	93	749
10...	0841	80513	80513	10.0	75.0	20	6.6	28.5	7.2	94	749
10...	0842	80513	80513	13.0	75.0	20	6.5	28.5	7.1	93	749
10...	0843	80513	80513	14.0	75.0	20	6.0	27.0	6.6	84	749
10...	0844	80513	80513	15.0	75.0	20	5.8	25.5	6.0	74	749
10...	0845	80513	80513	16.0	75.0	20	5.8	24.5	5.5	67	749
10...	0846	80513	80513	17.0	75.0	20	5.7	23.0	5.1	60	749
10...	0847	80513	80513	18.0	75.0	20	5.6	21.5	4.8	56	749
10...	0848	80513	80513	19.0	75.0	20	5.7	20.0	5.3	59	749
10...	0849	80513	80513	20.1	75.0	19	5.8	19.5	5.3	59	749
10...	0850	80513	80513	21.1	75.0	19	5.8	18.5	5.1	55	749
10...	0851	80513	80513	22.1	75.0	19	5.9	17.5	5.0	53	749
10...	0852	80513	80513	24.0	75.0	19	5.9	16.5	4.8	50	749
10...	0853	80513	80513	25.0	75.0	19	5.9	16.0	5.0	51	749
10...	0854	80513	80513	28.0	75.0	18	6.0	15.0	5.2	53	749
10...	0855	80513	80513	30.0	75.0	18	6.0	14.0	5.6	55	749
10...	0856	80513	80513	35.0	75.0	18	6.0	13.5	5.8	56	749
10...	0857	80513	80513	40.0	75.0	18	6.0	12.5	6.0	57	749
10...	0858	80513	80513	45.0	75.0	18	6.1	12.0	6.3	59	749
10...	0859	80513	80513	50.0	75.0	18	6.1	11.5	7.0	65	749
10...	0900	80513	80513	55.0	75.0	19	6.1	11.0	5.9	54	749
10...	0901	80513	80513	60.0	75.0	19	6.0	10.5	5.4	49	749
10...	0902	80513	80513	65.0	75.0	21	6.0	10.5	4.3	39	749
10...	0903	80513	80513	70.0	75.0	21	6.0	10.0	4.0	36	749
10...	0904	80513	80513	75.0	75.0	25	6.0	10.0	2.8	25	749
10...	0910	80513	81213	--	75.0	20	6.5	--	--	--	749
10...	0920	80513	81213	--	75.0	19	5.8	--	--	--	749
10...	0930	80513	81213	--	75.0	18	6.1	--	--	--	749

DATE	TIME	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUL											
10...	0839	--	--	--	--	3.40	--	--	--	--	--
10...	0910	0.0	12	10	<1.0	--	<1	<1	7	1.4	0.90
10...	0920	15	30	5	1.3	--	<1	<1	7	1.4	0.90
10...	0930	33	75	10	<1.0	--	<1	<1	7	1.4	0.90

DATE	TIME	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
JUL											
10...	0910	0.90	20	0.1	0.40	6	2.4	1.2	<0.10	2.6	22
10...	0920	1.5	30	0.2	0.40	7	2.4	1.1	<0.10	2.5	32
10...	0930	0.80	18	0.1	0.40	7	2.5	1.1	<0.10	3.0	22

DATE	TIME	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 DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
JUL											
10...	0910	14	0.03	--	<0.001	--	<0.002	<0.002	--	<0.20	0.006
10...	0920	14	0.04	0.010	<0.001	0.010	0.010	0.007	0.01	<0.20	0.006
10...	0930	15	0.03	0.090	<0.001	0.090	0.090	0.014	0.02	<0.20	0.004

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
JUL										
10...	0910	<0.001	4.7	30	80	22	0.50	<0.10	4.3	1.96
10...	0920	<0.001	4.3	40	90	23	1.5	<0.10	4.1	--
10...	0930	<0.001	4.3	10	60	120	110	<0.10	3.8	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
SEP											
11...	0842	80513	80513	0.0	74.0	19	6.6	26.0	7.7	97	750
11...	0843	80513	80513	5.00	74.0	19	6.8	26.0	7.7	97	750
11...	0844	80513	80513	10.0	74.0	19	6.8	26.5	7.7	97	750
11...	0845	80513	80513	15.0	74.0	19	6.8	26.0	7.6	96	750
11...	0848	80513	80513	17.0	74.0	19	6.3	25.5	6.9	86	750
11...	0849	80513	80513	18.0	74.0	20	5.8	24.5	3.8	46	750
11...	0850	80513	80513	19.0	74.0	20	5.7	22.0	3.2	37	750
11...	0851	80513	80513	20.0	74.0	19	5.7	20.5	3.1	35	750
11...	0852	80513	80513	21.0	74.0	19	5.7	19.0	3.2	34	750
11...	0853	80513	80513	22.0	74.0	19	5.7	17.5	3.3	35	750
11...	0854	80513	80513	24.0	74.0	19	5.8	16.5	3.5	36	750
11...	0855	80513	80513	27.0	74.0	19	6.0	15.0	3.3	33	750
11...	0856	80513	80513	30.0	74.0	19	6.0	14.0	3.4	33	750
11...	0857	80513	80513	35.0	74.0	19	6.1	13.0	3.7	36	750
11...	0858	80513	80513	40.0	74.0	18	6.1	12.5	4.9	46	750
11...	0859	80513	80513	45.0	74.0	18	6.1	11.5	4.8	45	750
11...	0900	80513	80513	50.0	74.0	19	6.1	11.0	4.3	40	750
11...	0901	80513	80513	55.0	74.0	21	6.1	10.5	3.2	30	750
11...	0902	80513	80513	60.0	74.0	24	6.1	10.5	1.3	12	750
11...	0903	80513	80513	65.0	74.0	24	6.1	10.5	0.8	7	750
11...	0904	80513	80513	70.0	74.0	27	6.2	10.0	0.1	1	750
11...	0905	80513	80513	74.0	74.0	83	7.1	10.0	0.1	1	750
11...	0915	80513	81213	--	74.0	--	--	--	--	--	750
11...	0920	80513	81213	--	74.0	--	--	--	--	--	750
11...	0925	80513	81213	--	74.0	--	--	--	--	--	750

DATE	TIME	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
SEP										
11...	0915	0.0	15	<5	<1.0	K15	K2	7	1.4	0.90
11...	0920	15	30	<5	1.0	K3	<1	7	1.4	0.90
11...	0925	30	74	<5	1.1	21	<1	7	1.4	0.90

DATE	TIME	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
SEP									
11...	0915	1.2	25	0.2	0.40	6	2.4	1.2	<0.10
11...	0920	1.2	25	0.2	0.40	6	2.4	1.2	<0.10
11...	0925	1.0	22	0.2	0.40	6	2.5	1.1	<0.10

DATE	TIME	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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
SEP									
11...	0915	2.9	22	14	0.03	--	--	--	<0.001
11...	0920	2.8	18	14	0.02	0.010	--	--	<0.001
11...	0925	2.9	16	14	0.02	0.069	0.069	0.31	0.001

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
SEP									
11...	0915	--	--	<0.002	0.004	0.01	<0.20	0.003	<0.001
11...	0920	--	0.010	0.010	0.003	0.00	<0.20	0.004	<0.001
11...	0925	0.00	0.070	0.070	0.004	0.01	<0.20	0.004	<0.001

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
SEP									
11...	0915	5.0	17	60	18	0.70	<0.10	4.9	1.60
11...	0920	4.9	26	80	56	34	<0.10	4.8	--
11...	0925	4.5	30	90	160	130	<0.10	4.2	--

07363400 HURRICANE CREEK BELOW SHERIDAN

LOCATION.--Lat 34°13'42", long 92°22'21", in SW1/4NW1/4 sec.1, T.6 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 35, 6.0 mi south of Sheridan.

DRAINAGE AREA.--261 mi^2.

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.06	2.6	14	29	146	e154	55	e179	7.5	1200	11
2	.00	.62	2.5	20	27	99	e124	58	e154	e11	1100	10
3	.00	.00	2.3	76	28	74	e104	44	e307	e13	864	10
4	.00	.00	2.8	103	28	61	e86	32	e218	e10	309	9.9
5	.00	10	3.2	82	30	55	78	26	e138	e8.0	115	9.8
6	.00	9.8	3.4	61	24	46	74	22	e104	e7.0	76	9.6
7	.00	4.5	3.5	47	17	42	70	50	e69	e13	55	9.6
8	.00	2.2	4.1	38	14	50	63	152	e59	e31	40	9.3
9	.00	1.3	4.8	35	12	e86	57	264	e92	e19	30	9.1
10	.00	.81	5.3	30	13	e64	50	162	e98	e13	23	7.6
11	.00	.82	12	21	14	e54	48	135	e69	e11	21	7.7
12	.00	.70	19	18	17	e49	45	285	e54	e10	21	7.7
13	.00	1.1	14	18	14	e46	105	333	e44	e9.5	19	7.5
14	.00	3.1	12	23	21	e44	306	203	44	e11	15	7.3
15	.00	5.3	12	19	16	e44	497	125	33	e13	13	8.2
16	.00	8.0	16	15	7.8	e46	576	92	26	e14	11	9.5
17	.00	5.8	12	14	5.2	e49	584	71	22	e16	10	9.8
18	.00	5.1	18	16	4.0	e51	323	57	29	e14	8.9	9.4
19	.00	5.1	26	15	29	e56	176	45	31	e12	8.4	9.0
20	.00	4.7	55	30	159	e59	137	35	21	e9.5	10	8.4
21	.00	4.1	52	59	196	e162	118	27	18	e8.0	12	12
22	.00	3.8	31	43	149	e131	107	23	14	e7.0	12	20
23	.00	3.5	20	38	95	e92	143	19	13	e6.0	12	29
24	.00	3.3	13	37	73	e80	136	17	11	e10	10	32
25	.00	3.3	9.1	54	61	e75	128	16	10	e38	9.2	19
26	.00	3.3	6.5	85	54	e69	99	15	8.7	e31	9.1	16
27	.00	3.1	5.5	65	48	e405	78	14	7.7	e69	8.0	22
28	.00	3.1	4.8	54	68	e307	62	13	7.3	e330	9.3	72
29	.00	3.0	4.4	50	127	e208	60	165	6.9	e675	10	156
30	.00	3.0	4.5	36	---	e218	59	422	6.1	e330	11	90
31	.00	---	6.9	30	---	e188	---	e295	---	1180	11	---
TOTAL	0.00	102.51	388.2	1246	1380.0	3156	4647	3272	1893.7	2936.5	4062.9	648.4
MEAN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	94.7	131	21.6
MAX	.00	10	55	103	196	405	584	422	307	1180	1200	156
MIN	.00	.00	2.3	14	4.0	42	45	13	6.1	6.0	8.0	7.3
AC-FT	.00	203	770	2470	2740	6260	9220	6490	3760	5820	8060	1290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

MEAN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
MAX	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	.000	3.42	12.5	40.2	47.6	102	155	106	63.1	95.2	131	21.6
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR

ANNUAL TOTAL	23733.21	
ANNUAL MEAN	64.8	
HIGHEST DAILY MEAN	1200	Aug 1
LOWEST DAILY MEAN	.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1
INSTANTANEOUS PEAK FLOW	1200	Aug 1
INSTANTANEOUS PEAK STAGE	11.08	Aug 1
INSTANTANEOUS LOW FLOW	.00	at times
ANNUAL RUNOFF (AC-FT)	47070	
10 PERCENT EXCEEDS	153	
50 PERCENT EXCEEDS	19	
90 PERCENT EXCEEDS	.78	

[e] Estimated

07363500 SALINE RIVER NEAR RYE

LOCATION.--Lat 33°42'03", long 92°01'33", in SW1/4NW1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi^2.

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above sea level. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	120	118	298	557	694	2290	1080	1750	181	1820	105
2	51	225	118	277	503	853	2320	957	2150	173	2110	314
3	49	204	117	265	443	1000	2060	882	2450	146	e2260	382
4	58	161	118	344	405	1010	1660	801	2610	124	e2400	315
5	46	142	118	939	370	849	1370	717	2600	107	e2510	249
6	45	508	115	1500	338	720	1170	622	2580	101	e2610	202
7	52	642	112	1750	316	706	1020	627	2680	104	2020	172
8	110	482	120	1670	317	749	891	858	2710	104	1120	155
9	120	344	126	1240	317	754	792	829	2180	99	701	142
10	123	269	121	872	290	917	708	1320	1360	113	541	127
11	119	232	118	686	270	958	642	2530	1190	128	445	118
12	96	199	121	579	257	823	591	4180	1180	134	379	110
13	81	176	145	506	247	693	653	4460	1010	127	322	101
14	78	157	153	453	238	604	949	4230	787	121	277	93
15	68	149	159	417	227	541	1770	3800	700	111	247	87
16	60	202	180	390	212	500	2340	3450	647	109	217	87
17	57	337	178	363	197	463	2660	3210	539	110	187	78
18	52	317	194	345	188	451	2880	2760	457	103	160	84
19	47	260	187	316	205	526	3040	1770	414	100	140	76
20	45	215	170	292	419	652	3190	1060	381	134	126	67
21	42	187	331	277	792	799	4230	796	357	140	114	63
22	41	167	1050	360	1250	1050	5520	662	339	117	107	61
23	40	154	1380	610	1390	1330	4390	569	280	114	100	66
24	39	142	1350	680	1340	1320	3170	496	237	115	100	64
25	38	134	995	615	1110	1890	2320	480	209	120	101	68
26	37	128	689	569	850	2370	1950	838	188	117	116	144
27	48	123	532	576	689	2590	1900	942	169	208	135	199
28	63	121	438	720	612	2690	1780	749	150	299	152	175
29	58	120	373	799	608	2610	1470	613	143	402	124	191
30	57	119	325	729	---	2490	1270	564	152	661	106	298
31	55	---	312	633	---	2370	---	1150	---	1400	94	---
TOTAL	1927	6736	10563	20070	14957	35972	60996	48002	32599	6122	21841	4393
MEAN	62.2	225	341	647	516	1160	2033	1548	1087	197	705	146
MAX	123	642	1380	1750	1390	2690	5520	4460	2710	1400	2610	382
MIN	37	119	112	265	188	451	591	480	143	99	94	61
AC-FT	3820	13360	20950	39810	29670	71350	121000	95210	64660	12140	43320	8710
CFSM	.03	.11	.16	.31	.25	.55	.97	.74	.52	.09	.34	.07
IN.	.03	.12	.19	.36	.26	.64	1.08	.85	.58	.11	.39	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1996, BY WATER YEAR (WY)

MEAN	499	1217	2917	3829	5081	5260	5350	4775	1504	607	298	357
MAX	10570	9690	13280	14830	16710	13920	16340	21470	11950	8191	1573	4511
(WY)	1985	1958	1974	1946	1950	1945	1973	1958	1974	1989	1971	1950
MIN	15.4	50.7	111	143	516	706	640	352	80.5	32.5	10.6	4.95
(WY)	1939	1940	1940	1956	1996	1940	1972	1992	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1938 - 1996	
ANNUAL TOTAL	653179		264178			
ANNUAL MEAN	1790		722		2629	
HIGHEST ANNUAL MEAN					5436	1973
LOWEST ANNUAL MEAN					704	1972
HIGHEST DAILY MEAN	12000	Jan 27	5520	Apr 22	72500	May 18 1968
LOWEST DAILY MEAN	15	Sep 3	37	Apr 22	3.8	Sep 16 1954
ANNUAL SEVEN-DAY MINIMUM	19	Aug 31	40	Oct 20	4.0	Sep 15 1954
INSTANTANEOUS PEAK FLOW			5720	Apr 22	74500	May 18 1968
INSTANTANEOUS PEAK STAGE			a17.15	Apr 22	31.40	May 18 1968
INSTANTANEOUS LOW FLOW			a35	Oct 26	3.5	Sep 27-28 1954
ANNUAL RUNOFF (AC-FT)	1296000		524000		1904000	
ANNUAL RUNOFF (CFSM)	.85		.34		1.25	
ANNUAL RUNOFF (INCHES)	11.56		4.68		16.99	
10 PERCENT EXCEEDS	6500		2200		7470	
50 PERCENT EXCEEDS	534		337		677	
90 PERCENT EXCEEDS	44		87		65	

[a] Observed
[e] Estimated

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE

LOCATION.--Lat 33°51'59", long 91°39'22", in SE1/4SW1/4 sec.6, T.10 S., R.5 W., Lincoln County, Hydrologic Unit 08040205, on downstream side of bridge on State Highway 54, 1.9 mi upstream from Flat Creek at Garrett Bridge.

DRAINAGE AREA.--380 mi^2.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage 144.128 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.2	3.2	258	119	478	593	383	88	94	208	86
2	3.7	1.7	3.2	391	119	448	565	368	83	79	270	73
3	3.6	2.1	3.3	467	118	392	536	335	117	66	335	103
4	3.6	2.6	3.3	468	118	328	503	291	149	60	345	156
5	3.3	2.9	3.3	417	105	266	468	246	127	56	301	159
6	3.1	3.2	3.3	351	74	224	430	212	91	58	223	131
7	2.9	3.4	3.2	296	89	249	395	203	70	77	149	102
8	2.7	3.6	4.3	262	167	319	361	215	79	113	107	78
9	2.5	3.5	6.7	240	251	342	328	276	162	130	119	65
10	2.3	3.3	8.4	222	281	303	294	283	239	119	173	60
11	2.0	3.5	17	206	254	235	255	266	222	101	216	56
12	1.7	3.4	24	186	212	178	215	289	171	85	242	50
13	1.5	3.3	26	158	180	155	183	348	130	78	239	43
14	1.3	3.2	22	136	149	167	164	344	106	85	221	35
15	1.2	3.2	23	118	121	187	187	298	92	101	201	30
16	.95	3.2	41	102	117	182	191	258	84	124	175	27
17	.71	3.2	59	88	142	159	158	234	79	136	155	24
18	.53	3.2	168	80	183	141	130	218	84	144	135	23
19	.41	3.2	355	73	248	159	122	206	95	159	114	23
20	.31	3.2	484	70	432	221	119	199	103	153	97	25
21	.25	3.1	583	77	565	246	261	191	131	132	82	27
22	.26	3.0	590	71	660	212	636	174	173	108	76	29
23	.26	3.0	550	67	688	175	798	151	173	82	83	32
24	.27	3.0	469	172	650	156	784	126	157	60	93	58
25	.27	3.0	383	269	590	346	722	103	157	56	98	70
26	.29	3.0	313	316	528	572	630	86	128	64	94	61
27	.85	3.1	257	291	474	690	536	71	101	99	84	76
28	.96	3.1	212	245	442	722	456	67	87	129	89	133
29	.68	3.2	178	197	452	702	406	78	98	172	132	288
30	.59	3.2	158	157	---	665	387	95	104	205	135	396
31	.71	---	208	130	---	627	---	98	---	201	107	---
TOTAL	47.40	90.8	5162.2	6581	8528	10246	11813	6712	3680	3326	5098	2519
MEAN	1.53	3.03	167	212	294	331	394	217	123	107	164	84.0
MAX	3.7	3.6	590	468	688	722	798	383	239	205	345	396
MIN	.25	1.2	3.2	67	74	141	119	67	70	56	76	23
AC-FT	94	180	10240	13050	16920	20320	23430	13310	7300	6600	10110	5000
CFSM	.00	.01	.44	.56	.77	.87	1.04	.57	.32	.28	.43	.22
IN.	.00	.01	.51	.64	.83	1.00	1.16	.66	.36	.33	.50	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	101	362	686	1073	1100	1000	919	525	272	434	183	70.5
MAX	625	959	1618	2748	2861	1769	2229	1791	726	2488	419	123
(WY)	1991	1988	1992	1988	1990	1990	1991	1991	1989	1989	1989	1989
MIN	1.53	3.03	167	212	294	321	180	55.3	8.58	31.5	34.3	10.4
(WY)	1996	1996	1996	1996	1996	1988	1992	1988	1988	1990	1995	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	126483.10		63803.40			
ANNUAL MEAN	347		174		558	
HIGHEST ANNUAL MEAN					966	1989
LOWEST ANNUAL MEAN					174	1996
HIGHEST DAILY MEAN	2420	Mar 18	798	Apr 23	4610	Feb 10 1990
LOWEST DAILY MEAN	.25	Oct 21	.25	Oct 21	.25	Oct 21 1995
ANNUAL SEVEN-DAY MINIMUM	.27	Oct 20	.27	Oct 20	.27	Oct 20 1995
INSTANTANEOUS PEAK FLOW			804	Apr 23	4650	Feb 10,11 1990
INSTANTANEOUS PEAK STAGE			10.03	Apr 23	22.22	Feb 10,11 1990
INSTANTANEOUS LOW FLOW			.24	Oct 21	.24	Oct 21 1995
ANNUAL RUNOFF (AC-FT)	250900		126600		404400	
ANNUAL RUNOFF (CFSM)	.91		.46		1.47	
ANNUAL RUNOFF (INCHES)	12.38		6.25		19.96	
10 PERCENT EXCEEDS	1010		435		1670	
50 PERCENT EXCEEDS	132		128		211	
90 PERCENT EXCEEDS	3.1		3.1		15	

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE

LOCATION.--Lat 33°37'40", long 91°26'45", in NE1/4SW1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, at mile 200.5.

DRAINAGE AREA.--576 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above mean sea level. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

REMARKS.--No estimated daily discharges. Records good, except daily discharges Oct. 1 to Dec. 17, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft, present datum, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	6.1	7.2	498	287	601	893	1230	69	113	153	68
2	19	6.9	7.2	606	278	583	876	1100	74	100	170	69
3	18	7.0	7.3	665	261	557	843	971	63	84	178	73
4	18	6.9	7.2	675	252	531	798	850	59	68	169	80
5	17	6.8	7.4	659	249	508	748	740	58	57	158	81
6	15	6.8	7.6	635	208	487	701	638	57	49	152	77
7	14	6.9	7.7	604	184	464	652	546	58	43	155	71
8	13	6.8	8.1	570	207	438	605	461	61	39	164	69
9	12	6.7	8.6	533	246	422	557	392	68	33	171	73
10	11	6.6	9.3	491	296	411	512	341	73	27	169	79
11	10	6.7	10	450	335	397	468	320	72	24	164	81
12	9.2	6.7	10	408	355	380	426	297	68	24	152	78
13	8.7	6.7	10	364	364	355	395	283	67	26	129	71
14	8.2	6.9	11	323	353	346	359	281	85	33	112	62
15	7.3	7.1	12	286	336	331	330	289	104	42	106	55
16	6.6	7.0	23	254	314	311	302	298	114	47	111	50
17	6.0	6.9	25	226	286	281	288	303	114	50	121	44
18	5.6	6.9	150	204	256	256	292	301	104	48	129	39
19	4.9	6.9	403	183	229	245	300	288	91	44	133	35
20	4.2	6.8	561	163	215	251	293	268	78	44	132	32
21	3.5	6.9	618	145	219	276	410	243	67	46	124	29
22	2.9	6.9	621	129	241	294	640	216	58	51	114	26
23	2.5	7.0	598	126	284	303	951	193	51	57	102	24
24	2.4	6.9	577	257	351	305	1200	173	46	63	90	22
25	2.4	6.9	564	392	460	449	1380	155	46	87	79	20
26	2.4	7.0	553	422	519	572	1490	141	50	84	70	19
27	2.8	7.1	539	390	563	651	1530	128	63	73	64	44
28	3.3	7.1	515	355	596	714	1490	112	83	72	61	62
29	3.3	7.2	481	327	607	775	1430	98	106	72	60	62
30	3.7	7.3	441	311	---	829	1340	84	116	69	62	60
31	4.9	---	437	297	---	880	---	73	---	111	67	---
TOTAL	261.8	206.4	7236.6	11948	9351	14203	22499	11813	2223	1780	3821	1655
MEAN	8.45	6.88	233	385	322	458	750	381	74.1	57.4	123	55.2
MAX	20	7.3	621	675	607	880	1530	1230	116	113	178	81
MIN	2.4	6.1	7.2	126	184	245	288	73	46	24	60	19
AC-FT	519	409	14350	23700	18550	28170	44630	23430	4410	3530	7580	3280
CFSM	.01	.01	.41	.67	.56	.80	1.30	.66	.13	.10	.21	.10
IN.	.02	.01	.47	.77	.60	.92	1.45	.76	.14	.11	.25	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	176	353	739	1018	1411	1361	1214	1077	465	219	157	159
MAX	1491	2240	2835	3900	5085	3099	3127	5972	2575	3688	1032	1792
(WY)	1985	1958	1973	1946	1990	1948	1991	1958	1974	1989	1989	1974
MIN	8.45	6.88	31.9	39.3	98.6	189	82.8	73.0	22.1	6.03	.44	16.9
(WY)	1996	1996	1982	1966	1963	1954	1966	1965	1972	1954	1956	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	180665.8		86997.8			
ANNUAL MEAN	495		238		692	
HIGHEST ANNUAL MEAN					1488	1973
LOWEST ANNUAL MEAN					149	1972
HIGHEST DAILY MEAN	3150	Mar 20	1530	Apr 27	6870	May 11 1958
LOWEST DAILY MEAN	2.4	Oct 24	2.4	Oct 24	.20	Aug 15 1956
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 22	2.7	Oct 22	.20	Aug 15 1956
INSTANTANEOUS PEAK FLOW			1530	Apr 27	6870	May 11 1958
INSTANTANEOUS PEAK STAGE			12.78	Apr 27,28	[a]25.49	May 11 1958
INSTANTANEOUS LOW FLOW			2.3	Oct 27	.20	Aug 15-23 1956
ANNUAL RUNOFF (AC-FT)	358400		172600		501300	
ANNUAL RUNOFF (CFSM)	.86		.41		1.20	
ANNUAL RUNOFF (INCHES)	11.67		5.62		16.32	
10 PERCENT EXCEEDS	1640		604		2010	
50 PERCENT EXCEEDS	163		114		251	
90 PERCENT EXCEEDS	6.9		6.9		32	

[a]At present datum

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.---Water years 1960-1972, October, 1973, January, 1975, December, 1975 to August, 1976; Water years 1977 through 1979; and Water year 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 17.	1130	80513	81213	4.0	392	8.0	760	18.5	4.6	49

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	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)
OCT 17.	1130	K37	K38	130	32	13	24	27	0.9	4.1

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 17.	1130	8.3	40	226	<0.010	<0.020	<0.010	0.45	0.45

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 17.	1130	0.45	0.040	0.020	0.020	0.06	30	0.32	94

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM WIDTH (FT) (00004)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
DEC 04...	1551	80513	80513	75.0	0.40	0.80	167	8.0
04...	1555	80513	80513	75.0	0.60	1.20	160	--
04...	1557	80513	80513	75.0	0.70	1.40	153	--
04...	1558	80513	80513	75.0	0.80	1.60	146	--
04...	1600	80513	80513	75.0	0.80	1.60	139	--
04...	1601	80513	80513	75.0	0.80	1.60	132	--
04...	1602	80513	80513	75.0	0.60	1.20	125	--
04...	1603	80513	80513	75.0	0.60	1.20	118	--
04...	1604	80513	80513	75.0	0.50	1.00	111	--
04...	1605	80513	80513	75.0	0.40	0.80	104	--

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC 04...	1551	388	6.8	11.5	4.3	39	769
04...	1555	389	6.9	11.0	4.1	37	769
04...	1557	388	6.9	10.5	3.8	34	769
04...	1558	387	6.9	10.5	3.7	33	769
04...	1600	386	6.9	10.5	3.7	33	769
04...	1601	387	6.9	10.5	3.7	33	769
04...	1602	387	7.0	11.0	3.9	35	769
04...	1603	390	7.0	11.0	4.2	38	769

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC 05...	1225	80513	81213	8.0	398	7.4	759	--	--	--
MAR 05...	1055	80513	81213	513	102	6.2	760	12.0	7.7	72
APR 23...	1410	80513	81213	999	54	6.7	770	19.5	5.3	57
JUL 30...	1145	80513	81213	80	369	7.8	750	28.0	4.3	56
AUG 26...	1145	80513	81213	41	303	7.6	762	26.5	4.1	51

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
DEC 05...	1225	35	--	K10	150	37	14	25	26
MAR 05...	1055	420	190	76	31	7.7	2.9	6.0	27
APR 23...	1410	480	520	300	15	3.6	1.4	3.4	29
JUL 30...	1145	340	540	57	130	31	12	25	29
AUG 26...	1145	57	53	420	98	25	8.7	20	30

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
DEC 05...	1225	0.9	5.1	9.4	44	214	--	--	--
MAR 05...	1055	0.5	2.9	8.0	7.3	74	0.130	--	--
APR 23...	1410	0.4	2.7	5.3	2.6	50	0.510	0.510	2.3
JUL 30...	1145	1	4.4	10	37	228	0.494	0.494	2.2
AUG 26...	1145	0.9	3.9	7.8	24	176	0.200	--	--

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC 05...	1225	<0.010	--	--	<0.020	0.020	0.03	0.36	0.38
MAR 05...	1055	<0.010	--	0.130	0.130	0.040	0.05	0.79	0.83
APR 23...	1410	0.010	0.03	0.520	0.520	0.060	0.08	1.1	1.2
JUL 30...	1145	0.016	0.05	0.510	0.510	0.088	0.11	0.71	0.80
AUG 26...	1145	<0.010	--	0.200	0.200	0.036	0.05	0.60	0.64

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 05...	1225	0.38	0.060	0.050	0.040	0.12	13	0.28	92
MAR 05...	1055	0.96	0.260	0.100	0.050	0.15	109	151	96
APR 23...	1410	1.7	0.470	0.090	0.080	0.25	490	1320	96
JUL 30...	1145	1.3	0.100	0.040	0.070	0.21	60	13	67
AUG 26...	1145	0.84	0.130	0.050	0.060	0.18	80	8.9	81

07369680 BAYOU MACON AT EUDORA

LOCATION.--Lat 33°06'09", long 91°15'08", in SE1/4SE1/4 sec.25, T.18 S., R.2 W., Chicot County, Hydrologic Unit 08030100, near left bank on downstream side of bridge on U.S. Highway 65, 0.6 mi south of Eudora.

DRAINAGE AREA.--500 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Gage-height record and results of discharge measurements since January 1938, are contained in reports of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 80.92 ft above sea level. Satellite telemeter at station.

REMARKS.--Records good, except periods of no gage-height record which are poor. Satellite telemeter at station.

COOPERATION.--Gage-height record provided by the U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 27.43 ft May 10, 22, 1958.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	47	57	109	71	e56	225	123	84	92	1160	121
2	48	52	57	426	73	e45	111	e110	166	81	1100	105
3	50	49	58	294	67	e45	83	e100	165	79	610	95
4	49	47	59	162	78	46	71	e92	153	75	216	e89
5	48	47	58	128	87	47	e62	e85	144	76	143	e83
6	48	48	57	175	62	48	e56	e80	122	72	117	80
7	49	51	56	214	65	47	e49	e76	102	77	102	76
8	49	49	62	125	77	44	e47	e73	105	76	98	76
9	49	48	89	100	74	44	e45	e70	124	69	e94	75
10	51	48	75	94	74	44	e44	e68	122	63	e92	76
11	48	54	66	91	70	43	e43	130	108	63	98	76
12	50	53	63	92	64	43	e42	130	102	57	109	75
13	49	53	62	80	60	43	170	e88	96	60	122	74
14	47	53	62	72	e64	43	125	e52	93	70	123	72
15	48	52	61	66	75	43	644	56	71	93	115	74
16	50	52	193	62	59	e43	346	77	61	108	102	86
17	51	52	216	58	e58	e43	231	91	59	92	97	58
18	51	50	475	60	e58	45	179	87	78	77	100	54
19	51	51	1080	65	e58	68	143	79	291	74	101	53
20	50	52	571	60	e58	55	279	83	163	66	e98	53
21	50	50	236	59	e58	56	2140	84	100	59	e97	52
22	51	50	151	58	59	55	2010	82	72	56	e96	52
23	51	52	116	57	60	50	2010	71	53	52	e95	51
24	50	52	97	326	e59	48	1600	61	48	50	e94	51
25	49	52	88	202	e59	660	820	59	82	61	e93	50
26	48	52	78	109	e65	665	417	63	148	74	e94	51
27	49	56	72	99	e110	299	289	68	142	74	95	120
28	50	58	68	e93	140	188	211	65	113	218	112	113
29	47	57	65	86	72	141	163	72	99	278	144	105
30	46	57	64	81	---	117	145	79	96	272	179	109
31	46	---	79	76	---	283	---	77	---	958	148	---
TOTAL	1522	1544	4591	3779	2034	3497	12800	2531	3362	3672	6044	2305
MEAN	49.1	51.5	148	122	70.1	113	427	81.6	112	118	195	76.8
MAX	51	58	1080	426	140	665	2140	130	291	958	1160	121
MIN	46	47	56	57	58	43	42	52	48	50	92	50
AC-FT	3020	3060	9110	7500	4030	6940	25390	5020	6670	7280	11990	4570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	105	131	269	405	545	384	475	349	191	321	188	89.9
MAX	297	218	651	759	1173	858	1053	1510	330	847	425	150
(WY)	1995	1992	1991	1990	1991	1995	1991	1991	1989	1994	1994	1994
MIN	41.8	51.5	66.8	122	70.1	98.1	91.1	72.0	112	96.7	89.3	64.5
(WY)	1994	1996	1994	1996	1996	1993	1992	1992	1996	1990	1989	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	109867		47681			
ANNUAL MEAN	301		130		287	
HIGHEST ANNUAL MEAN					493	1991
LOWEST ANNUAL MEAN					130	1996
HIGHEST DAILY MEAN	4170	Apr 23	2140	Apr 21	4170	Apr 23 1995
LOWEST DAILY MEAN	32	May 21	42	Apr 12	1.7	Sep 23 1988
ANNUAL SEVEN-DAY MINIMUM	36	May 16	43	Mar 11	34	Sep 28 1988
INSTANTANEOUS PEAK FLOW			2400	Apr 21	4280	Apr 23 1995
INSTANTANEOUS PEAK STAGE			15.98	Apr 21	24.41	Apr 29 1991
INSTANTANEOUS LOW FLOW					32	May 21-23 1995
ANNUAL RUNOFF (AC-FT)	217900		94580		207600	
10 PERCENT EXCEEDS	763		196		645	
50 PERCENT EXCEEDS	93		73		111	
90 PERCENT EXCEEDS	49		48		56	

eEstimated

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

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.

Maximum discharge at crest-stage partial-record stations

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	ST. FRANCIS RIVER BASIN							
07047820 Murray Creek near Jonesboro	Lat 35°51'50", long 90°38'30", in SW1/4SW1/4 sec.2, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro. Drainage area is 1.38 mi².	1960-96	5-6-96	9.06	370	05-27-73	14.20	1,330
07047860 Higginbotham Creek at Jonesboro	Lat 35°48'48", long 90°42'29", in NE1/4NW1/4 sec.30, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203. Drainage area is.95 mi².	1992-96	6-24-96	17.08	a	07-02-94	17.68	a
07047880 Pope Creek tributary at Birdeye	Lat 35°22'35", long 90°42'00", in NE1/4SE1/4 sec.30,T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at culvert on State Highway 42, 0.9 mi west of Birdeye. Drainage area is.08 mi².	1963-96	--	<3.73	--	09-13-78	7.73	511
070479475 Spring Creek at Forrest City	Lat 35°00'56", long 90°47'34", in SE1/4NW1/4 sec.28, T.5 N., R.3 E., St. Francis County, Hydrologic Unit 08020205, on Cherry Street in Forrest City. Drainage area is.54 mi².	1990-96	3-31-96	14.50	a	05-20-90	16.02	a
	WHITE RIVER BASIN							
07048600 White River near Fayetteville	Lat 36°04'23", long 94°04'51", in NE1/4SW1/4 sec.8, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi downstream from West Fork White River, 0.8 mi downstream from Lake Sequoyah Dam on White River, 4.3 mi east of Fayetteville and at mile 684.0. Drainage area is 400 mi².	1963-94f 1995-96	9-26-96	24.73	43,500	11-19-85	30.45	j81,600
07048900 Whitener Branch Tributary near Spring Valley	Lat 36°10'24", long 93°54'59", in SE1/4NW1/4 sec.1, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at culvert on State Highway 68, 1.0 mi east of Spring Valley. Drainage area is 1.07 mi².	1960-96	9-26-96	7.34	230	07-25-60	17.60	1,410
07049000 War Eagle Creek near Hindsville	Lat 36°12'02", long 93°51'16", in SE1/4NE1/4 sec.28, T.18 N., R.27 W., Madison County, Hydrologic Unit 11010001, on left bank about 800 ft above bridge on State Highway 45, 3.9 mi north of Hindsville. Drainage area is 263 mi².	1953-70f 1971-77 1985-96	4-22-96	16.53	12,200	11-19-85	28.49	49,000
07050285 Osage Creek at Osage	Lat 36°11'19", long 93°32'21", in NW1/4SE1/4 sec.27, T.18 N., R.23 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 68, 0.7 mi northwest of Osage. Drainage area is 82.3 mi².	1989-96	4-22-96 1-14-95 1-4-93 10-29-91 4-14-91 2-14-89 4-2-88	11.99 8.56 11.24 11.59 8.38 11.35 h10.89	13,700 h4,400 h11,000 h12,200 h4,050 h11,400 h9,900	05-03-90	14.91	a
07050500 Kings River near Berryville	Lat 36°25'36", long 93°37'15", in SE1/4NE1/4 sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1. Drainage area is 527 mi².	1939-75f 1976-92 1993-95f 1996	4-23-96	20.94	19,900	11-19-85	38.91	66,000
07053207 Long Creek at Denver	Lat 36°23'23" long 93°19'01" in NW1/4NE1/4SE1/4, sec. 16, T.20N., R.22 W., Carroll County Hydrologic Unit 11010001, on left bank, at the downstream side of county road, 0.2 mi southwest of Denver, and 0.4 mi upstream from Dry Creek. Drainage area is 104 mi².	1995-96	01-14-95 04-22-96	10.71 b14.03	5,420 12,000	04-22-96	b14.03	12,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07054410 Bear Creek near Omaha	Lat 36°26'50", long 92°56'00", in NE1/4NE1/4NW1/4 sec.26, T.21 N., R.20 W., Boone County, Hydrologic Unit 11010003, attached to downstream end of bridge pier near right bank on State Highway 14, 6.5 mi east of Omaha. Drainage area is 133 mi^2.	1995-96	9-26-96	8.31	8,000	01-13-96	8.78	9,000
07054450 East Sugarloaf tributary near Lead Hill	Lat 36°22'28", long 92°49'52", in NW1/4NW1/4 sec.19, T.20 N., R.17 W., Marion County, Hydrologic Unit 11010003, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill. Drainage area is.85 mi^2.	1962-96	9-26-96	9.50	560	10-13-68	15.30	2,480
07055000 White River near Flippin	Lat 36°18'35", long 92°33'28", in NE1/4NW1/4 sec.10, T.19 N., R.15 W., Marion County, Hydrologic Unit 11010003, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin. Drainage area is 6,081 mi^2.	1928-80f 1981-91 1992-96g	9-4-96	13.22	--	04-17-45	39.82	215,000
07055608 Crooked Creek at Yellville	Lat 33°13'23", long 92°40'47" in NW1/4NE1/4 sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, on left bank at bridge on State Highway 14 at Yellville. Drainage area is 406 mi^2.	1958-88 1988-94f 1995-96	9-26-96	13.65	10,400	05-03-90	25.20	38,700
07058980 Bennett's River at Vidette	Lat 36°25'19", long 92°07'07", in SW1/4SE1/4SE1/4 sec.2, T.20 N., R.11 W., Fulton County, Hydrologic Unit 11010006, on State Highway 87, 2.9 mi north from intersection with State Highway 62, 0.8 mi south of Vidette. Drainage area is 68.2 mi^2.	1995-96	9-26-96	10.31	a	11-05-94	10.99	a
07059450 Big Creek near Elizabeth	Lat 36°21'25" long92°06'48", in NE1/4SE1/4NW1/4 sec.36, T.20 N., R.11 W., Fulton County, Hydrologic Unit 11010006, at downstream right bank bridge abutment on State Highway 87, 1.9 mi northwest of Elizabeth.	1995-96	9-26-96	13.55	a	11-05-94	15.15	a
07061000 White River at Batesville	Lat 35°45'35", long 91°38'28", in NE1/4NW1/4 sec.21, T.13 N., R.6 W, Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167 in Batesville. Drainage area is 11,070 mi^2.	1937-58f 1986-94f 1995-96g	9-28-96	14.39	--	04-16-45	29.43	324,000
07064000 Black River near Corning	Lat 36°24'07", long 90°32'29", in SW1/4NE1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2. Drainage area is 1,749 mi^2.	1938-95f 1996	5-9-96	12.20	7,760	6-13-45	16.92	48,600
07069000 Black River at Pocahontas	Lat 36°15'14", long 90°58'12", in SW1/4SW1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at bridge on U.S. Highway 67 at Pocahontas. Drainage area is 4,845 mi^2.	1937-70f 1971-78 1981-94 1995-96g	5-14-96	20.56	--	12-07-82	25.22	66,300
07069250 Brush Creek near Mammoth Spring	Lat 36°25'36", long 91°29'27", in SE1/4SE1/4 sec.34, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at culvert on U.S. Highway 63, 5.5 mi southeast of Mammoth Spring. Prior to 1967 published as Spring River Tributary near Mammoth Spring. Drainage area is.48 mi^2.	1961-96	-- 10-2-93	<6.93 8.63	-- a	04-22-73	15.05	960
07069410 Ferguson Creek near Ravenden Springs	Lat 36°17'29", long 91°14'29", in NE1/4SE1/4 sec.13, T.19 N., R.3 W., Randolph County, Hydrologic Unit 11010010, at bridge on State Highway 90, 1.9 mi southwest of Ravenden Springs. Drainage area is 3.79 mi^2.	1989-96	-- 6-3-92 4-18-91 2-14-89	<516 c6.56 c6.85 c6.10	<300 790 940 600	01-04-93	7.52	1,300
07069500 Spring River at Imboden	Lat 36°12'19", long 91°10'19", in SE1/4NE1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi upstream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1. Drainage area is 1183 mi^2.	1936-94f 1995-96	9-27-96	14.70	9,900	12-03-82	b38.12	244,000
07072000 Eleven Point River near Ravenden Springs	Lat 36°20'48", long 91°06'48", in SE1/4SE1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on right bank at upstream side of bridge on State Highway 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs and at mile 21.2. Drainage area is 1,134 mi^2.	1929-33f 1935-94f 1995-96	9-28-96	9.99	5,880	12-03-82	b29.06	162,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07073500 Piney Fork near Evening Shade	Lat 36°04'50", long 91°36'39", in SE1/4NE1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade. Drainage area is 99.2 mi^2.	1939-84f 1985-94 1995-96g	4-23-96	5.75	--	12-03-82	30.32	50,400
07074000 Strawberry River near Poughkeepsie	Lat 36°06'37", long 91°26'59", in SE1/4NW1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9. Drainage area is 473 mi^2.	1936-94f 1995-96	9-27-96	7.60	3,690	12-03-82	b35.90	158,000
07074420 Black River at Elgin Ferry	Lat 35°45'51", long 91°17'40", in NW1/4SE1/4 sec.15, T.13 N., R.3 W., Jackson County, Hydrologic Unit 11010009, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry. Drainage area is 8,418 mi^2.	1979-94 1995-96g	5-20-96	22.75	--	12-04-82	b27.7	a
07074850 White River near Augusta	Lat 35°18'02", long 91°23'35", in SE1/4SE1/4 sec.22, T.8 N., R.4 W., Woodruff County, Hydrologic Unit 11010013, on left bank of Taylor Bay 0.5 mi upstream from White River, 0.7 mi from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta. Drainage area is 20,464 mi^2.	1983-94 1995-96g	4-27-96	29.03	--	12-07-82	38.31	250,000
07074865 Glaise Creek near Bradford	Lat 35°27'45", long 91°32'49", in NW1/4SW1/4 sec.28, T.10 N., R.5 W., Jackson County, Hydrologic Unit 11010013, at bridge on State Highway 87, 5.9 mi northwest of Bradford. Drainage area is 8.35 mi^2.	1989-96	5-7-96 11-5-94 11-17-93	3.49 6.12 6.36	176 a a	01-06-91	8.40	a
07075000 Middle Fork of Little Red River at Shirley	Lat 35°39'25", long 92°17'34", in SW1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi downstream from Sugar Camp or Weavers Creek, 1.0 mi east of Shirley. Drainage area is 302 mi^2.	1939-84f 1985-94 1995-96g	9-27-96	18.51	--	12-03-82	37.53	241,000
07075300 South Fork Little Red River at Clinton	Lat 35°35'29", long 92°27'20", in SW1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi upstream from Archey Creek, and at mile 23.7. Drainage area is 148 mi^2.	1961-94f 1995-96	9-27-96	6.87	822	1203-82	b34.27	67,900
07075600 Choctaw Creek tributary near Choctaw	Lat 35°31'30", long 92°25'03", in SE1/4SW1/4 sec.6, T.10 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at culvert on State Highway 330, 1.4 mi east of Choctaw. Drainage area is 1.36 mi^2.	1964-96	-- 9-10-95 12-15-92 11-20-91 5-25-91 3-22-91 1-19-90 2-15-89 6-30-88 2-16-87 11-27-85 9-4-85 5-8-84	<9.08 11.65 14.10 10.85 12.76 12.76 8.66 10.30 9.01 8.02 8.47 14.68 8.01	-- c460 c820 c360 c610 c610 c136 c295 c170 c88 c123 c920 c88	12-03-82	19.07	1,760
07075800 Dill Branch tributary near Ida	Lat 35°32'36", long 91°57'25", in SW1/4NE1/4 sec.33, T.11 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida. Drainage area is.11 mi^2.	1964-96	12-18-95	5.71	10	04-02-79	9.96	230
07076630 Key Branch near Searcy	Lat 35°14'47", long 91°47'01", in NW1/4SW1/4 sec.8, T.7 N., R.7 W., White County, Hydrologic Unit 11010014, at culvert on State Highway 36, 2.8 mi west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy. Drainage area is.66 mi^2.	1961-96	5-28-96	4.81	38	11-24-73	7.79	573
07076750 White River at Georgetown	Lat 35°07'45", long 91°27'00", in SW1/4SW1/4 sec.20, T.6 N., R.4 W., White County, Hydrologic Unit 08020301, on right bank at Arkansas Game and Fish Commission boat launching area at Georgetown, and at mile 167. Drainage area is 22, 387 mi^2.	1990-94f 1995-96	5-2-96	15.42	33,800	04-23-91	22.75	78,500
07076870 Pigeon Roost Creek at Butlerville	Lat 34°58'36", long 91°50'38", in NW1/4NE1/4 sec.15, T.4 N., R.8 W., Lonoke County, Hydrologic Unit 08020301, at bridge on State Highway 38, 0.6 mi west of Butlerville. Drainage area is 23.0 mi^2.	1961-96	5-11-96	9.87	980	04-21-74	12.62	8,800

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	WHITE RIVER BASIN--CONTINUED							
07077100 Big Creek near Boydsville	Lat 36°22'12", long 90°19'50", in SE1/4NW1/4, sec.16, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at bridge on county road, 0.5 mi south of Crockett and 4.0 mi northeast of Boydsville. Drainage area is 12.9 mi^2.	1962-81 1993-96	9-2-96	17.37	a	04-19-73	19.14	5,700
07077200 Big Creek tributary near Boydsville	Lat 36°22'32", long 90°19'56", in SE1/4SW1/4 sec.9, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi northeast of Boydsville. Drainage area is 1.58 mi^2.	1962-96	4-29-96	5.75	125	05-08-84	9.65	730
07077430 Willow Ditch near Egypt	Lat 35°56'29", long 90°56'33", in SW1/4SW1/4 sec.12, T.15 N., R.1 E., Lawrence County, Hydrologic Unit 08020302, at culvert on State Highway 91, 5.1 mi north of Egypt. Drainage area is.25 mi^2.	1963-96	10-27-95	5.91	a	12-21-91	6.37	112
07077650 Big Creek near Jonesboro	Lat 35°51'11", long 90°45'00", in SE1/4SE1/4 sec.10, T.14 N., R.3 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 63, 1.3 mi west of Jonesboro. Drainage area is 50.6 mi^2.	1989-96	1-18-95	14.58	a	04-13-93	20.57	a
07077655 Christian Creek at GE Drive at Jonesboro	Lat 35°50'29", long 90°43'33", in NW1/4SW1/4, sec.3, T.14 N, R.3 E., Craighead County, Hydrologic Unit 08020302, 100 ft west of Gee Street in Jonesboro, on bridge at entrance to General Electric plant. Drainage area is 3.78 mi^2.	1993-96	--	<10.60	--	06-15-94	13.00	a
*07077920 Big Creek at Goodwin	Lat 34°56'22", long 91°00'55", in NE1/4NE1/4 sec.29, T.4 N., R.1 E., St. Francis County, Hydrologic Unit 08020304, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin. Drainage area is 31.1 mi^2.	1961-96	9-26-96	8.60	290	12-25-87	10.35	1,250
07077940 Spring Creek near Aubrey	Lat 34°41'16", long 90°53'45", in SW1/4SE1/4, sec.16, T.1 N., R.2 E., Lee County, Hydrologic Unit 08020304, at bridge on State Highway 121, 2.1 mi south of Aubrey. Drainage area is 38.0 mi^2.	1962-80 1993-96	9-26-96	14.95	1,660	07-22-80	16.03	2,100
	ARKANSAS RIVER BASIN							
07249447 Mill Creek at Fort Smith	Lat 35°20'34", long 94°25'20", in NW1/4NW1/4 sec.33, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104, on right bank 30 ft upstream from bridge on Towson Avenue in Fort Smith. Drainage area is 10 mi^2.	1960-63f 1981-96	7-30-96	31.82	a	05-02-90	36.40	2,400
07249457 May Branch at Fort Smith	Lat 35°22'30", long 95°23'51", in NE1/4SW1/4 sec.15, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104, on upstream side of bridge on Free Ferry Road. Drainage area is 1.0 mi^2.	1981-86f 1992-96	4-22-96 1-13-95 7-4-94	6.22 5.65 6.26	470 c370 c480	12-02-82	8.01	580
07249490 Lee Creek near Lee Creek	Lat 35°42'12", long 95°19'37", in NW1/4SE1/4 sec.19, T.12 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 220, 1.8 mi northeast of Lee Creek. Drainage area is 93.5 mi^2.	1988-96	9-26-96 2-22-94 4-15-93 10-29-91 4-13-91 1-2-89 4-1-88	12.65 c8.85 c13.54 c7.77 c9.17 c12.53 h13.57	a a a a a a a	05-03-90	c15.39	a
07249500 Cove Creek near Lee Creek	Lat 35°43'20", long 94°24'28", in SW1/4NW1/4 sec.16, T.12 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek. Drainage area is 35.3 mi^2.	1951-70f 1971-96	9-26-96	9.96	7,300	05-05-60	15.60	33,600
07249950 Webber Creek tributary near Cedarville	Lat 35°36'00", long 92°22'49", in SE1/4SE1/4 sec.27, T.11 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at culvert on State Highway 59, 2.3 mi north of Cedarville. Drainage area is.34 mi^2	1962-96	9-26-96 5-8-95 7-14-94	5.97 6.29 6.26	24 c50 c47	10-26-70	7.71	274
07251500 Frog Bayou at Rudy	Lat 35°31'32", long 94°16'18", in SW1/4SW1/4 sec.23, T.10 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 282 at Rudy. Drainage area is 216 mi^2.	1951-70f 1971-96	9-26-96	12.28	13,500	05-30-90	18.76	41,300

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	ARKANSAS RIVER BASIN--CONTINUED							
07251790 Mulberry River near Oark	Lat 35°41'01", long 93°35'57", in NW1/4SE1/4 sec.24, T.12 N., R.25 W., Johnson County, Hydrologic Unit 11110201, at bridge on State Highway 103, 1.5 mi west of Oark.Drainage area is 70.2 mi^2.	1988-96	9-26-96 11-5-94 11-14-93 10-27-91 4-13-91 5-3-90 2-15-89	14.42 10.99 10.67 9.75 7.45 8.64 8.82	a h8,500 h7,800 h6,000 h2,400 h4,200 h4,400	1-4-93	c14.72	a
07252000 Mulberry River near Mulberry	Lat 35°34'37", long 94°00'55", in SE1/4SW1/4 sec.31, T.11 N., R.29 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3. Drainage area is 373 mi^2.	1938-94f 199-96	9-27-96	17.33	35,900	12-03-82	23.66	70,200
07256490 Greenbrier Creek at Clarksville	Lat 35°2815", long 93°27'09", in NW1/4NW1/4 sec.4, T.9 N., R.23 W., Johnson County, Hydrologic Unit 1111020, on State Highway 64 about 0.7 mi west of State Highway 21 North junction, at Clarksville. Drainage area is 26.7 mi^2.	1993-96	4-22-96	4.25	107	11-05-94	8.57	a
*07256500 Spadra Creek at Clarksville	Lat 35°28'06", long 93°27'46", in NW1/4NE1/4 sec.5, T.9 N., R.23 W., Johnson County, Hydrologic Unit 11110202, on right bank at Clarksville, 0.2 mi downstream from bridge on U.S. Highway 64. Drainage area 61.1 mi^2.	1953-70f 1971-96d	4-22-96	6.52	1,410	06-05-74	19.93	27,400
07256700 Big Shoal Creek near New Blaine	Lat 35°17'30", long 93°27'37", in NW1/4SE1/4 sec.5, T.7 N., R. 23 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 2.3 mi west of New Blaine. Drainage area is 50.0 mi^2.	1989-96	--	<9.22	<3,200	05-03-90	19.11	a
07257006 Big Piney Creek at Hwy 164 near Dover	Lat 35°30'48", long 93°10'24", in SE1/4NW1/4 sec.25, T.10 N., R.21 W., Pope County, Hydrologic Unit 11110202, on right bank 11.9 mi downstream from Indian Creek, 7.2 mi north of Dover, and at mile 23.3. Drainage area is 297 mi^2.	1950-95f 1996	9-26-96	18.22	47,900	12-3-82	i33.87	k111,000
07257100 Minnow Creek tributary near Hagarville	Lat 35°30'11", long 93°21'56", in SE1/4SE1/4 sec.19, T.10 N., R.22 W., Johnson County, Hydrologic Unit 11110202, at culvert on State Highway 123, 2.6 mi southwest of Hagarville. Drainage area is 0.20 mi^2.	1962-96	4-22-96	3.59	20	04-24-70	6.62	176
*07257200 Little Piney Creek near Lamar	Lat 35°26'54", long 93°20'17", in SW1/4NE1/4 sec.9, T.9 N., R.22 W., Johnson County, Hydrologic Unit 11110202, on left bank 600 ft upstream from State Highway 359 bridge, 3.0 mi east of Lamar. Drainage area is 154 mi^2.	1978-96	9-26-96	9.38	4,580	12-03-82	15.35	13,300
07257500 Illinois Bayou near Scottsville	Lat 35°27'58", long 93°02'28", in SE1/4SW1/4 sec.32, T.10 N., R.19 W., Pope County, Hydrologic Unit 11110202, at bridge on county road, 1.3 mi north of Scottsville. Drainage area is 241 mi^2.	1948-70f 1971-96	9-26-96	12.68	9,440	12-03-82	27.49	130,000
07258000 Arkansas River at Dardanelle	Lat 35°13'34", long 93°08'58", in SW1/4 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 i upstream from Whig Creek, 2.0 mi downstream form Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5. Drainage area is 153,670 mi^2.	1937-94f 1995-96	4-24-96	23.01	138,000	05-13-43, 05-14-43, 05-25-43	43.60	683,000
07258200 Pack Saddle Creek tributary near Waldron	Lat 34°58'18", long 95°05'42", in SE1/4SE1/4 sec.29, T.4 N., R.29 W., Scott County, Hydrologic Unit Hydrologic Unit 11110105, at culvert on U.S. Highway 71, 5.2 mi north of Waldron. Drainage area is 0.92 mi^2.	1961-96	4-22-96 5-8-95	3.53 3.28	a a	05-13-68	9.42	689
07258500 Petit Jean River near Booneville	Lat 35°06'25", long 93°55'25", in NW1/4NW1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville. Drainage area is 241 mi^2.	1938-84f 1985-96	4-23-96	21.27	16,100	04-16-39	23.42	43,200
07260000 Dutch Creek at Waltreak	Lat 34°59'15", long 93°36'45", in SE1/4NW1/4 sec.24, T.4 N., R.25 W., Yell County, Hydrologic Unit 11110204, on left bank 0.2 mi north of Waltreak. Drainage area is 81.4 mi^2.	1945-75f 1976-96	4-22-96	10.23	2,800	07-26-69	22.38	24,500
07260640 Petit Jean River near Centerville	Lat 35°04'30", long 93°11'58", in NE1/4 sec.23, T.5 N., R.21 W. Yell County, Hydrologic Unit 11110204, on right bank 300 ft upstream from State Highway 7, 3.0 mi southeast of Centerville. Drainage area is 927 mi^2.	1988-90g 1991-94 1995-96g	4-25-96	16.24	--	05-05-90	26.40	--

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	ARKANSAS RIVER BASIN--CONTINUED							
*07260673 West Fork Point Remove Creek near Hattieville	Lat 35°19'25", long 92°52'22", in NE1/4SE1/4 sec.23, T.8 N., R.18 W., Pope County, Hydrologic Unit 11110203, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville. Drainage area is 222 mi^2.	1978-96	4-23-96	10.95	1,220	12-03-82	26.62	64,100
07260679 East Fork Point Remove Creek tributary near Saint Vincent	Lat 35°16'09", long 92°44'00", in NE1/4NE1/4 sec.7, T.7 N., R.16 W., Conway County, Hydrologic Unit 11110203, at culvert on State Highway 213, 2.2 mi south of Saint Vincent. Drainage area is 0.09 mi^2.	1967-96	--	<5.74	--	12-03-82	8.24	102
07261250 Cadron Creek near Conway	Lat 35°06'51", long 92°31'30", in NE1/4SE1/4 sec.31, T.6 N., R.14 W., Faulkner County, Hydrologic Unit 11110205, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway. Drainage area is 752 mi^2.	1979-94 199-965g	4-24-96	11.10	--	05-07-90	25.80	a
07261500 Fourche LaFave River near Gravelly	Lat 34°52'21", long 93°39'24", in NW1/4NW1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi downstream form Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7. Drainage area is 410 mi^2.	1939-94f 1995-96	6-1-96	9.11	4,530	120-3-82	b32.45	162,000
07261800 Brogran Creek near Rover	Lat 34°54'27", long 93°24'06", in NW1/4SE1/4 sec.13, T.3 N., R.23 W., Yell County, Hydrologic Unit 11110206, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche Lafave River tributary near Rover. Drainage area is 1.04 mi^2.	1963-96	4-23-96	4.16	79	12-03-82	b10.65	1,260
07263000 South Fourche LaFave River near Hollis	Lat 34°54'41, long 93°03'21", in SE1/4NE1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis, and at mile 5.6.Drainage area is 210 mi^2.	1941-95f 1996	5-7-96	6.71	2,930	12-3-82	24.55	L94,000
07263012 Fourche LaFave River near Aplin	Lat 34°57'37", long 92°58'50", in E1/2NE1/4 sec.35, T.4 N., R.19 W., Perry County, Hydrologic Unit 11110204, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin. Drainage area is 957 mi^2.	1980-96	6-7-96	17.69	8,570	12-03-82	36.10	a
07263100 Fourche LaFave Tributary near Perryville	Lat 35°01'14", long 92°46'06", in NW1/4SW1/4 sec.1, T.4 N., R.17 W., Perry County, Hydrologic Unit 11110206, at culvert on State Highway 60, 2.2 mi northeast o Perryville. Drainage area is 1.47 mi^2.	1962-96	6-6-96	7.18	76	12-03-82	11.45	1,150
07263115 Fourche LaFave River near Houston	Lat 35°00'44", long 92°43'24", in NW1/4NE1/4 sec.8, T.4 N., R.16 W., Perry County, Hydrologic Unit 11110206, at left bank at downstream side of bridge on State Highway 216, 2.4 mi southwest of Houston. Drainage area is 1,058 mi^2.	1988-94 1995-96g	4-25-96	23.47	a	05-08-90	37.35	a
07263400 Little Maumelle River at Ferndale	Lat 34°46'48", long 92°33'15", in NW1/4SE1/4 sec.25, T.2 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, at bridge on Congo Road, 0.2 mi northeast of Ferndale. Drainage area is 15.0 mi^2.	1963-86 1993-96	4-22-96	10.38	4,200	03-10-73	15.01	10,800
07263580 Rock Creek at Little Rock	Lat 34°43'13", long 92°21'32", in NW1/4SW1/4 sec.13, T.1 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, at west 36th Street bridge in Little Rock. Drainage area is 20.5 mi^2.	1978-88 1989-94g 1995-96	5-27-96	6.15	a	09-13-78	18.22	22,500
07263590 Coleman Creek at Little Rock	Lat 34°45'07", long 92°20'02", in SE1/4NW1/4 sec.6, T.1 N., R.12 W., Pulaski County, Hydrologic Unit 11110207, at Markham and N. Tyler in Little Rock. Drainage area is 1.08 mi^2.	1990-96	5-27-96 4-11-95	15.14 14.11	a a	05-19-90	17.50	a
07264050 Bayou Two Prairie near Cabot	Lat 34°51'32", long 91°58'48" in SW1/4NW1/4 sec.28, T.3 N., R.9 W., Lonoke County, Hydrologic Unit 08020402, at bridge on State Highway 89, 1.8 mi north of Furlow. Drainage area is 84.9 mi^2.	1988-96	5-11-96 3-9-92 1-6-91 3-8-90 11-19-88	8.51 c9.60 c9.98 c10.56 c10.13	a c1,360 c1,600 c2,350 c1,850	12-28-87	c12.12	c5,200
	RED RIVER BASIN							
07339500 Rolling Fork near DeQueen	Lat 34°02'51", long 94°24'47", in SW1/4SW1/4 sec.21, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near of span on downstream side of bridge on U.S Highway 70, 4.0 mi, west of DeQueen. Drainage area is 182 mi^2.	1948-80f 1981-96	4-16-96	7.41	1,360	12-10-71	24.23	71,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07340500 Cossatot River near DeQueen	Lat 34°02'45", long 94°12'42", in NE1/4NE1/4 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, 7.0 mi east of DeQueen. Drainage area is 360 mi^2.	1938-80f 1981-96	4-15-96	7.65	1,920	05-13-68	22.60	122,000
07341000 Saline River near Dierks	Lat 34°05'45", long 94°05'04", in NW1/4SW1/4 sec.3, T.8 S., R. 29 W., Howard County, Hydrologic Unit 11140109, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks. Drainage area is 121 mi^2.	1938-80f 1981-96	4-16-96	7.80	1,020	05-13-68	22.95	59,200
07341260 Dillard Creek near Nashville	Lat 33°26'04", long 93°54'45", in NE1/4NE1/4 sec.30, T.9 S., R.27 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 24, 4.1 mi west of Nashville. Drainage area is 5.82 mi^2.	1989-96	--	<7.86	--	05-08-96	9.07	a
07344280 Nix Creek at E. 12th Street at Texarkana	Lat 33°26'04", long 95°01'33", in NW1/4SW1/4 sec.20, T.15 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on E. 12th Street at Texarkana, 0.1 mi west of junction with U.S. Highway 67. Drainage area is 8.87 mi^2.	1993-96	8-28-96	14.85	a	01-18-96	16.76	a
07344285 Swampoodle Creek at Broad Street at Texarkana, Texas	Lat 33°25'06", long 95°02'57", in Bowie County, Texas, Hydrologic Unit 11140302, at bridge on Broad Street, 0.4 mi southwest of Arkansas-Texas state line. Drainage area is 424 mi^2.	1993-96	8-28-96	15.79	a	01-18-96	17.28	a
07348635 Big Creek tributary at Magnolia	Lat 33°15'51", long 93°13'56", in NW1/4NE1/4 sec.13, T.17 S., R.21 W., Columbia County, Hydrologic Unit 11140203, at Dudney and Grayson St. in Magnolia. Drainage area is 0.34 mi^2.	1990-96	6-2-96 5-10-93	16.38 b15.28	a a	04-28-91	17.70	a
07355800 Lewis Creek tributary near Mena	Lat 34°37'15", long 95°12'15", in NE1/4SW1/4 sec.33, T.1 S., R.30 W., Polk County, Hydrologic Unit 08040101, at culvert on U.S. Highway 71, 3.1 mi northeast of Mena. Drainage area is 0.65 mi^2.	1961-96	2-19-96	2.52	73	10-08-90	6.23	560
07357740 Bear Creek near Royal	Lat 34°30'30", long 93°15'21", in NE1/4NW1/4 sec.4, T.3 S., R.21 W., Garland County, Hydrologic Unit 08040101, at bridge on U.S. Highway 270, 1.0 mi west of Royal. Drainage area is 5.99 mi^2.	1989-96	5-11-96 5-8-95 12-3-93 11-19-88	3.70 h4.66 6.47 4.29	450 h780 h1,650 h640	03-08-90	6.42	h1,600
07357860 Stokes Creek at Kimery Road at Hot Springs	Lat 34°28'36", long 93°04'52", in SE1/4NW1/4 sec.18, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at bridge on Kimery Road, 2.8 mi southwest of Hot Springs Post Office. Drainage area is 3.02 mi^2.	1993-96	7-10-96 7-22-94 8-6-93	5.14 c6.40 c5.89	a a a	11-05-94	c6.49	a
07359710 Rock Creek near Glenwood	Lat 34°18'34", long 93°32'21", in NW1/4NE1/4 sec.14, T.5 S., R.24 W. Pike County, Hydrologic Unit 08040102, at bridge on State Highway 8, 1.3 mi southeast of Glenwood. Drainage area is 8.62 mi^2.	1989-96	8-2-96	7.73	1,600	05-20-90	13.58	7,450
07359805 Valley Creek near Point Cedar	Lat 34°19'17", long 93°15'24", in NW1/4NE1/4 sec.9, T.5 S., R.21 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi east of Point Cedar Drainage area is 7.62 mi^2	1989-96	4-13-96 2-27-95 1-27-94 3-29-89	5.77 10.09 8.72 10.62	265 c2,720 c1,700 h3,200	05-20-90	16.9	10,500
07360100 L'Eau Frais at Joan	Lat 34°06'27", long 92°55'22", in SW1/4NE1/4 sec.22, T.7 S., R.18 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 128, 0.7 mi southeast of Joan. Drainage area is 74.2 mi^2.	1989-96	8-2-96 c11-5-94	4.29 4.91	670 840	04-14-93	8.16	a
07360200 Little Missouri River near Langley	Lat 34°18'41", long 93°53'58", in NW1/4SW1/4 sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 3.3 mi west of Langley. Drainage area is 68.4 mi^2.	1989-96	5-11-96 11-5-94 12-3-93 12-9-91 10-8-90 11-19-88	13.04 c11.55 c16.55 c13.04 c13.52 c11.37	a a a a a a	03-08-90	c17.34	a
07360225 Little Blocker Creek near Langley	Lat 34°18'41", long 93°49'06", in SE1/4NE1/4 sec.18, T.5 S., R.26 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.3 mi east of Langley. Drainage area is 5.74 mi^2.	1989-96	5-7-96	6.50	a	12-03-93	11.79	a
07361180 South Fork Ozan Creek near Ozan	Lat 33°49'15", long 93°42'28", in SE1/4SW1/4 sec.5, T.11 S., R.25 W., Hempstead County, Hydrologic Unit 08040103, at bridge on State Highway 4, 2.0 mi south of Ozan. Drainage area is 17.7 mi^2.	1963-96	-- 4-11-95 12-3-93	<13.70 c16.26 c19.39	-- a a	04-19-73	25.06	8,360

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07361760 Bell Creek near Hollywood	Lat 34°05'47", long 93°16'53", in NW1/4NE1/4 sec.31, T.7 S., R.21 W.,Clark County, Hydrologic Unit 08040103, at bridge on State Highway 26, 2.0 mi west of Hollywood. Drainage area is 9.22 mi^2.	1988-96	5-7-96	6.97	a	12-26-87	14.0	a
07361894 Mill Creek near Holly Springs	Lat 33°46'01", long 92°39'52", in SE1/4SW1/4 sec.17, T.11 S., R.15 W., Ouachita County, Hydrologic Unit 08040102, at bridge on State Highway 203, 4.2 mi southeast of Holly Springs. Drainage area is 9.01 mi^2.	1989-96	8-2-96 1-19-95 2-22-94 4-8-93	8.29 11.08 10.75 8.75	113 c334 c305 c145	03-08-90	13.07	a
07362330 Dunn Creek near Hampton	Lat 33°32'05", long 92°30'55", in SE1/4NW1/4 sec.2, T.14 S., R.14 W., Calhoun County, Hydrologic Unit 08040201, at bridge on State Highway 4, 2.8 mi west of Hampton. Drainage area is 13.6 mi^2.	1962-96	3-25-96	4.83	120	05-01-66	10.11	4,240
07362500 Moro Creek near Fordyce	Lat 33°47'32", long 92°20'00, in NW1/4NW1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, Hydrologic Unit 08040201, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce. Drainage area is 240 mi^2.	1952-83f 1984-96	5-11-96	10.34	975	05-02-58	16.47	26,800
07362715 Big Creek near Crow	Lat 34°37'00", long 92°43'35", in NE1/4NW1/4 sec.28, T.1 S., R.16 W. Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 2.5 mi east of Crow. Drainage area is 4.7 mi^2.	1988-96	7-27-96 4-10-95 12-3-93 12-15-92 3-8-92 10-9-90 5-20-90 11-19-88	8.11 c6.69 c7.59 c8.02 c8.15 c8.63 c7.60 c9.26	2,160 h930 h1,610 h2,060 h2,200 h2,800 h1,610 h3,700	12-28-87	c9.68	h4,400
07363000 Saline River at Benton	Lat 34°34'05", long 92°36'40", in SE1/4NE1/4 sec.9, T.2 S., R.15 W. Saline County, Hydrologic Unit 08040203, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork. Drainage area is 550 mi^2.	1951-79f 1980-96	5-28-96	13.45	7,790	01-30-69	29.68	100,000
07363200 Saline River near Sheridan	Lat 34°06'56", long 92°24'21", in NE1/4NW1/4 sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan. Drainage area is 1,123 mi^2.	1971-82f 1983-96	4-18-96	13.31	3,490	12-28-87	22.66	73,900
07363435 Derrieusseaux Creek near Grapevine	Lat 34°08'44", long 92°14'38", in NE1/4NW1/4 sec.5, T.7 S., R.11 W.,Grant County, Hydrologic Unit 08040203, at bridge on State Highway 54, 4.2 mi east of Grapevine. Drainage area is 77.0 mi^2.	1989-96	2-19-96 1-19-95 1-28-94 3-10-92 4-29-91	6.80 9.14 9.62 8.15 10.44	320 c1,560 c2,200 c760 a	12-26-87	10.74	a
07364030 L'Aigle Creek tributary near Hermitage	Lat 33°24'30", long 92°12'30", in SE1/4NW1/4 sec.14, T.15 S., R.11 W., Bradley County, Hydrologic Unit 08040204, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage. Drainage area is 0.36 mi^2.	1963-96	3-25-96	3.73	9	04-14-91	7.06	a
07364110 Nevins Creek tributary near Pine Bluff	Lat 34°10'08", long 92°05'12", in NW1/4SE1/4 sec.26, T.6 S., R.10 W., Jefferson County, Hydrologic Unit 08040205, at culvert on U.S. Highway 79, 6.0 mi southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew Tributary near Pine Bluff. Drainage area is 0.75 mi^2.	1961-96	--	<3.75	<38	09-24-84	10.58	600
07364128 Deep Bayou near Grady	Lat 34°02'03", long 91°42'34", in NW1/4NW1/4 sec.16, T.8 S., R.6 W., Lincoln County, Hydrologic Unit 08040205, at bridge on State Highway 11, 2.7 mi south of Grady. Drainage area is 102 mi^2.	1989-96	3-25-96 1-19-95 1-29-94 12-1-91 4-22-91 4-15-93	9.90 14.29 15.40 15.30 15.85 13.18	750 c1,550 c1,800 c1,760 c1,900 c1,350	07-18-89	18.1	a
07364140 Ables Creek near Tyro	Lat 33°49'29", long 91°44'06", in NE1/4SE1/4 sec.20, T.10 S., R.6 W., Lincoln County, Hydrologic Unit 08040205, on left downstream bridge pier on State Highway 54, 1.3 mi southwest of Tyro. Drainage area is 36 mi^2.	1993-96	4-23-96	12.09	1,090	04-08-93	13.25	1,420
07364550 Caney Creek tributary near El Dorado	Lat 33°11'22", long 92°36'28", in NE1/4NW1/4 sec.1, T.18 S., R.15 W.,Union County, Hydrologic Unit 08040202, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado. Drainage area is 0.07 mi^2.	1961-96	3-24-96	8.20	85	06-08-74	12.40	978

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of Record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN--CONTINUED							
07365800 Cornie Bayou near Three Creeks	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, 6.0 mi southwest of Three Creeks. Drainage area is 180 mi^2.	1956-87f 1990-96	--	<9.05	<440	06-08-74	17.50	65,000

a Not determined
b From floodmarks
c Revised.
d Prior to December 20, 1989 at datum 2.00 ft higher
f Operated as a continuous-record gaging station
* Also a low-flow partial-record station
g Operated as a stage-only station
h Not previously published
i At site and datum then in use
j From rating curve extended above 35,400 ft^3/s
k From rating curve extended above 45,000 ft^3/s
L From rating curve extended above 35,000 ft^3/s

Special Study and Miscellaneous Sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 1996

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		ST. FRANCIS RIVER BASIN				
07047947 Second Creek near Palestine	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW1/4SE1/4 sec.17, T.5 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on county road 4.0 mi north of Palestine.	a	1986-95	1-9-96 4-4-96 7-18-96	14.4 96.5 6.27
		WHITE RIVER BASIN				
07048550 West Fork White River east of Fayetteville	White River	Lat 36°03'00", long 94°04'42", in NW1/4 sec.20, T.16 N., R.30 W. Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi north of State Highway 16, and 4.3 mi east of Fayetteville.	a	1985-95	10-17-95 3-27-96 6-18-96	4.31 129 12.0
07069170 Warm Fork Spring River near Thayer, Missouri	Black River	Lat 36°30'10", long 92°31'31", in SE1/4SE1/4 sec.5, T.21 N., R.5 W., Oregon County, Mo., Hydro-logic Unit 11010010 at bridge on county road, 0.6 mi east of U.S. Highway 63, 0.2 mi north of Missouri-Arkansas State line, and 1.1 mi southeast of Thayer, Mo.	a	1971-75, 1983-95	10-10-95 1-10-96 4-30-96	16.3 20.7 193
07069295 South Fork Spring River at Saddle	Spring River	Lat 36°21'00", long 92°38'00", in NW1/4NW1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	a	1974-95	2-29-96 6-29-96	55.8 46.3
07076950 Watensaw Bayou near Hazen	White River	Lat 34°52'34", long 92°33'56", in SE1/4SE1/4 sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301, at bridge on State Highway 11, 7.0 mi north of Hazen.	a	1984-95	11-13-95 4-8-96 7-8-96	0 35.1 33.8
07077660 Bayou DeView near Gibson	Cache River	Lat 35°47'36", long 90°50'18", in SW1/4SW1/4 sec.36, T.14 N., R.2 E., Craighead Coutny, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.	a	1974-88 1995	12-7-95 4-2-96 7-11-96	5.64 73.1 12.6
		ARKANSAS RIVER BASIN				
07195400 Illinois River near Siloam Springs	Arkansas River	Lat 36°08'41", long 94°29'41", in SW1/4SW1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1971-81[e] 1982-85 1986[c] 1987-95	7-31-96	151
07246940 Poteau River at Waldron	Arkansas River	Lat 34°53'46", long 94°03'57", in SW1/4SE1/4 sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on State Highway 80, in Waldron.	a	1986-95	11-29-98 1-11-96 1-23-96 3-5-96 4-3-96 5-21-96 6-25-96 6-26-96 8-22-96	0 7.16 9.53 2.20 2.15 5.50 [b]0.02 .839 200 [b]0.01
07246950 Poteau River northwest of Waldron	Arkansas River	Lat 34°54'47", long 94°06'28", in SE1/4SW1/4, sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	46.1	1993-95	11-29-95 1-1-96 2-20-96 4-3-96 5-21-96 6-26-96	2.14 13.3 4.66 38.1 4.22 3.27
07246960 Poteau River near Hon	Arkansas River	Lat 34°55'34", long 94°10'03", in SW1/2SE1/4, sec.10, T.3 N., R.30 W., Scott County, Hydrologic Unit 11110105, at bridge on State Highway 80, 1.1 mi southeast of Hon.	69.5	1993-95	11-29-95 1-11-96 2-20-96 4-3-96 5-21-96 6-26-96	1.97 18.4 6.37 56.8 9.22 9.75
07246980 Jones Creek near Hon	Poteau River	Lat 34°55'13" long 94°09'58", in SE1/4NE1/4, sec.15, T.3 N., R.30 W., Scott County, Hydrologic Unit 11110105, 500 ft east of county road, 1.6 mi southeast of Hon.	93.2	1993-95	11-21-95 1-11-96 2-20-96 4-3-96 5-21-96 6-26-96	.280 20.4 8.69 49.9 9.99 12.3
07260620 Chickalah Creek near Chickalah	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW1/4 sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.	a	1964-67[c] 1986-95	10-24-95 1-25-96 6-4-96	0 35.1 39.0

Discharge measurements made at special study and miscellaneous sites during water year 1996--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		RED RIVER BASIN				
07338720 Mountain Fork near Hatfield	Little River	Lat 34°30'18", long 94°25'50", in NE1/4NE1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108 at bridge on State Highway 246, 3.1 mi northwest of Hatfield.	168	1962-67[c] 1971-73 1986-95	10-18-95 3-20-96 6-25-96	50.0 177 11.2
07344300f Days Creek southeast of Texarkana	Sulphur River	Lat 33°19'06", long 94°00'16", in NE1/4SE1/4 sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 7.0 mi south or Texarkana.	78.5	1973-95	3-7-96 4-22-96	15.4 15.5
07359770 Caddo River near Amity	Ouachita River	Lat 34°17'05", long 93°24'56", in NW1/4SE1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.	292	1987-95	5-30-95 12-5-95 8-21-96	[d]206 56.0 76.8
07362550 Moro Creek near Banks	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.	385	1958-63[c] 1974-95	1-25-96 7-18-96	24.0 [b]0.5
07363270 Hurricane Creek near Sardis	Saline River	Lat 34°30'40", long 92°24'54", in SW1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	66.0	1974-95	10-27-95 1-26-96 5-24-96 9-13-96	114 42.6 13.6 11.0
07364115 Bayou Bartholomew near Ladd	Ouachita River	Lat 34°06'24", long 92°54'06", in NW1/4 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi south of Ladd.	[a]	1968, 1974-95	10-24-95 12-12-95 4-1-96 7-16-96 9-9-96	0 25.0 225 [b]3.0 [b]0.5
07364600 Bayou De Loutre near El Dorado	Ouachita River	Lat 33°05'55", long 92°35'32", in SE1/4NW1/4 sec.6. T.19 S., R.14 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 8.5 mi southeast of El Dorado.	78.4	1959-64, 1971-75, 1978-85, 1990-95	12-14-95 4-3-96 9-11-96	26.2 87.7 [b]20

a Not determined.

b Estimated.

c Operated as a low-flow partial-record station.

d Not previously published.

e Operated as a continuous-record station.

f Operated as a stage station by U.S. Army Corps of Engineers.

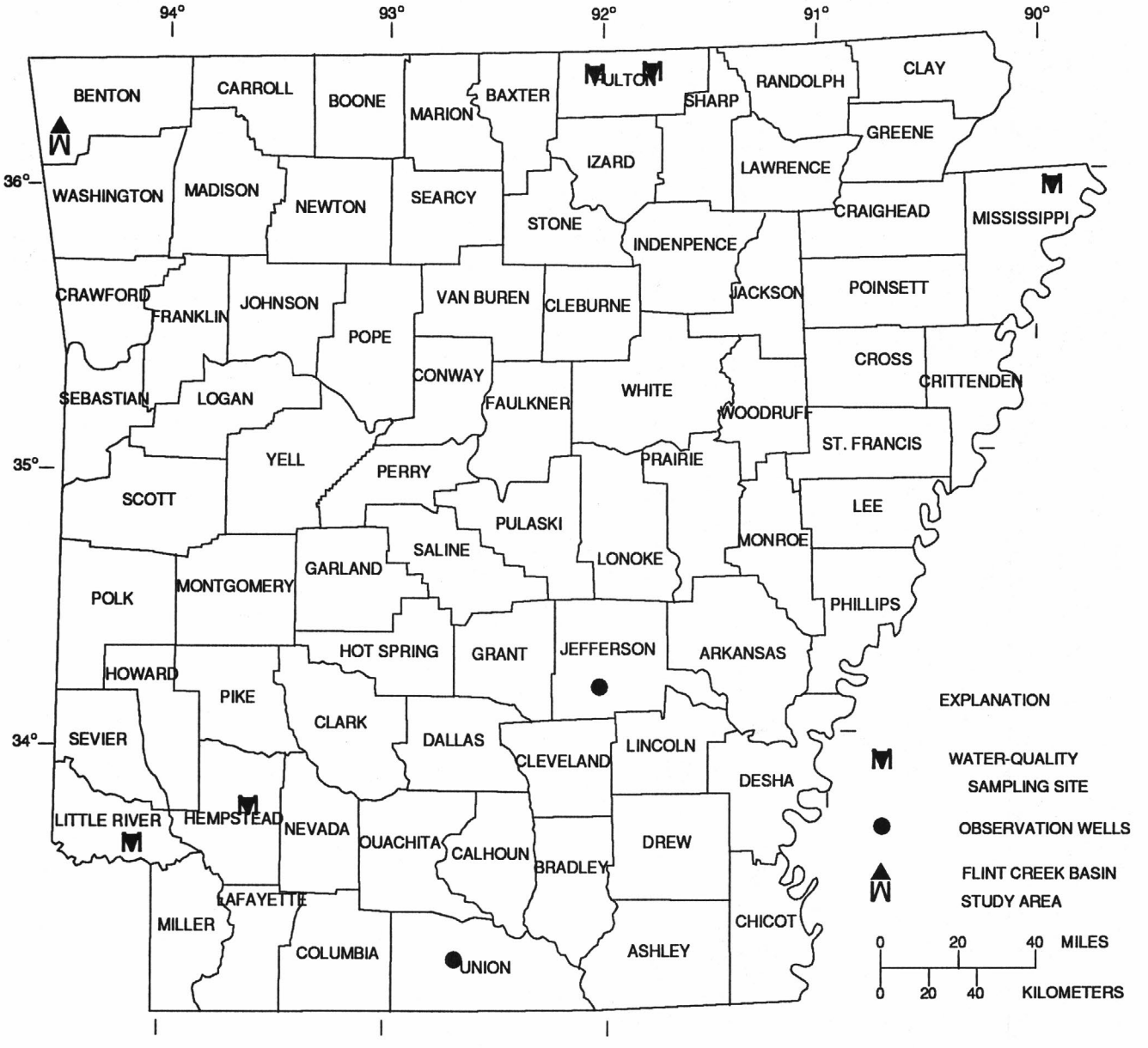

Figure 6. Locations of water-quality sampling sites and observation wells in Arkansas.

BENTON COUNTY
Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
361540094130701	08-29-96	1100	80513	80020	--	--	--	1100	--	--	327
361545094251501	07-25-95	1530	80513	80020	--	--	--	1195	--	--	--
	07-01-96	1100	80513	80020	--	--	--	1195	--	--	--
361547094251401	04-18-95	1100	80513	80020	16.14	16	7.5	1205	--	--	--
	07-25-95	1500	80513	80020	16.14	16	7.5	1205	--	--	--
	07-03-96	1000	80513	80020	16.14	16	7.5	1205	--	--	V1600
361547094251403	08-01-95	1500	80513	80020	150.00	150	130	1205	--	2.0	767
	09-05-95	1005	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1010	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1030	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1050	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1110	80513	80020	150.00	--	--	1205	--	--	--
	09-05-95	1300	80513	80020	150.00	--	--	1205	--	--	--
361617094245401	04-18-95	1500	80513	80020	55.00	50	14	1215	--	--	--
	07-19-95	0900	80513	80020	55.00	50	14	1215	--	--	399
	09-05-95	1020	80513	80020	55.00	--	--	1215	--	--	--
	09-05-95	1030	80513	80020	55.00	--	--	1215	--	--	--
	09-05-95	1040	80513	80020	55.00	--	--	1215	--	--	--
	07-16-96	1100	80513	80020	55.00	55	14	1215	--	2.5	332
361618094245501	04-19-95	1000	80513	80020	9.65	9.6	4.6	1210	--	--	--
	07-25-95	1300	80513	80020	9.65	9.6	4.6	1210	--	--	--
361631094240601	04-24-95	1500	80513	80020	200.00	200	160	1350	--	--	--
	07-18-95	1600	80513	80020	200.00	200	160	1350	--	--	V2000
	09-05-95	1010	80513	80020	200.00	--	--	1350	--	--	--
	09-05-95	1050	80513	80020	200.00	--	--	1350	--	--	--
	07-18-96	1000	80513	80020	200.00	203	160	1350	--	2.0	V3020
361631094240602	08-02-95	1100	80513	80020	67.10	67	56	1350	--	--	V1350
	07-17-96	1700	80513	80020	67.10	--	57	1350	--	--	V1510
361649094242901	04-19-95	1200	80513	80020	5.32	5.3	3.0	1235	--	--	--
	07-25-95	1000	80513	80020	5.32	5.3	3.0	1235	--	--	--
	09-05-95	1005	80513	80020	5.32	--	--	1235	--	--	--
	07-02-96	1300	80513	80020	5.32	5.3	3.0	1235	--	--	502
361745094234901	04-25-95	1100	80513	80020	120.00	120	80	1305	--	--	V2100
	07-18-95	1000	80513	80020	120.00	120	80	1305	--	2.0	V749
	09-05-95	1010	80513	80020	120.00	--	--	1305	--	--	--
	09-05-95	1020	80513	80020	120.00	--	--	1305	--	--	--
	09-05-95	1045	80513	80020	120.00	--	--	1305	--	--	--
	08-15-96	1400	80513	80020	120.00	120	80	1305	--	0.5	V1100
361745094234902	04-25-95	1400	80513	80020	34.20	34	24	1305	--	--	273
	07-19-95	1100	80513	80020	34.20	34	24	1305	--	2.0	256
	07-29-96	1400	80513	80020	34.20	34	34	1305	--	1.0	263
361745094234903	04-25-95	1730	80513	80020	34.65	35	33	1305	59	3.0	268
	07-19-95	1300	80513	80020	34.65	35	33	1305	12	2.0	258
	07-30-96	1000	80513	80020	34.65	35	33	1305	--	3.0	215
361804094233601	04-11-95	1030	80513	80020	29.68	30	20	1330	--	2.5	--
	07-19-95	1500	80513	80020	29.68	30	20	1330	--	2.0	156
	07-16-96	1500	80513	80020	29.68	30	20	1330	--	1.0	165
361804094233602	04-11-95	1300	80513	80020	120.00	120	80	1330	--	--	--
	07-18-95	1400	80513	80020	120.00	120	80	1330	--	--	251
	09-05-95	1010	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1030	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1040	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1108	80513	80020	120.00	--	--	1330	--	--	--
	09-05-95	1200	80513	80020	120.00	--	--	1330	--	--	--
	07-16-96	1600	80513	80020	120.00	120	80	1330	--	1.0	253

STATION NUMBER	DATE	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
361540094130701	08-29-96	7.2	26.0	14.5	7.3	59	1.5	4.0	1.1	129	5.7
361545094251501	07-25-95	6.8	--	20.0	4.7	32	1.6	3.8	2.5	72	2.4
	07-01-96	6.9	--	17.5	3.9	36	1.7	4.2	2.6	87	2.3
361547094251401	04-18-95	V12.3	--	13.0	0.8	V180	<0.03	V55	V99	--	81
	07-25-95	V12.5	--	--	--	V260	<0.10	V620	V1300	--	2.0
	07-03-96	--	25.5	16.0	10.6	V84	0.01	V31	V35	--	40
361547094251403	08-01-95	V9.0	30.0	17.0	0.8	33	3.6	V42	V83	--	110
361617094245401	04-18-95	7.5	--	13.5	2.3	48	1.5	4.8	2.6	--	3.3
	07-19-95	7.0	24.0	14.5	2.4	74	2.5	7.3	0.80	196	5.2
	07-16-96	7.3	--	13.5	0	61	2.9	8.8	0.80	158	3.1
361618094245501	04-19-95	--	--	--	--	81	4.0	9.8	3.9	--	20
	07-25-95	7.6	--	--	--	89	3.5	10	3.4	--	23
361631094240601	04-24-95	--	--	--	--	41	0.29	V43	V27	--	18
	07-18-95	V12.4	32.0	17.5	2.2	70	0.03	V95	0.80	--	38
	07-18-96	V12.3	--	18.5	0.3	96	<0.03	V120	V14	--	24
361631094240602	08-02-95	V12.6	26.5	--	--	V590	<0.10	V270	V560	--	1.6
	07-17-96	V11.6	--	--	--	V95	0.28	V110	V23	--	V290
361649094242901	04-19-95	7.1	--	13.5	0.8	79	2.2	5.9	1.3	--	6.6
	07-25-95	7.3	--	23.0	2.4	78	1.5	7.2	1.3	259	6.9
	07-02-96	7.4	25.5	19.5	0.4	68	1.1	20	1.4	216	9.1
361745094234901	04-25-95	V12.1	--	15.0	--	83	0.04	V87	V65	--	53
	07-18-95	V11.1	40.0	17.0	0.4	1.8	0.43	V100	V43	--	46
	08-15-96	V7.0	32.0	18.5	0.3	47	21	V160	V9.7	V438	7.3
361745094234902	04-25-95	6.9	--	15.5	6.8	49	0.86	4.5	0.50	--	1.1
	07-19-95	6.7	--	15.5	8.1	46	0.84	4.7	0.50	101	1.8
	07-29-96	6.6	--	15.5	7.6	51	0.92	4.8	0.50	--	1.7
361745094234903	04-25-95	6.9	--	15.5	7.3	48	0.81	4.4	0.50	--	1.6
	07-19-95	6.8	--	15.0	8.1	48	0.81	4.4	0.70	105	1.7
	07-30-96	6.6	--	15.0	7.8	48	0.86	4.7	0.50	--	1.6

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
361804094233601	04-11-95	6.0	--	14.0	7.9	26	1.0	3.9	1.6	--	2.8
	07-19-95	6.2	28.0	14.5	9.0	27	0.82	3.6	1.2	54	2.0
	07-16-96	6.2	--	14.5	8.0	25	0.87	3.6	1.3	68	0.90
361804094233602	04-11-95	V11.7	--	14.5	4.6	57	1.1	11	V16	--	66
	07-18-95	V9.1	29.0	16.0	1.4	6.5	1.6	33	V27	129	9.8
	07-16-96	V9.3	--	16.5	0	2.8	0.65	41	V18	--	8.9

STATION NUMBER	DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
361540094130701	08-29-96	7.0	<0.10	--	8.9	188	<0.010	4.50	<0.015	<0.20	0.020
361545094251501	07-25-95	6.4	--	0.030	9.5	120	<0.010	2.50	0.040	<0.20	0.030
	07-01-96	6.8	<0.10	0.030	9.7	141	<0.010	2.90	0.030	<0.20	0.050
361547094251401	04-18-95	9.4	0.70	<0.010	7.3	V788	1.40	18.0	0.180	1.0	0.020
	07-25-95	5.7	0.60	0.39	<0.10	V6290	0.020	0.220	1.20	4.9	<0.010
	07-03-96	4.7	0.40	--	11	V396	1.90	5.30	1.50	2.6	<0.010
361547094251403	08-01-95	13	0.20	<0.010	7.2	455	V1.00	V28.0	V0.170	0.50	0.010
361617094245401	04-18-95	5.4	0.10	0.030	9.8	150	0.020	0.560	0.040	<0.20	0.020
	07-19-95	5.4	0.40	0.060	10	236	<0.010	0.130	<0.015	<0.20	<0.010
	07-16-96	4.9	0.50	0.050	9.2	205	0.010	0.130	0.060	<0.20	<0.010
361618094245501	04-19-95	17	<0.10	0.050	13	342	0.030	16.0	0.260	0.40	0.010
	07-25-95	22	<0.10	0.050	14	462	0.040	24.0	0.510	0.70	0.020
361631094240601	04-24-95	14	0.10	0.040	10	193	0.880	1.30	0.060	0.40	0.010
	07-18-95	13	0.30	0.020	21	V588	0.350	0.570	0.160	0.40	<0.010
	07-18-96	8.5	0.40	--	4.7	V688	0.020	0.100	0.530	V2.1	<0.010
361631094240602	08-02-95	<0.10	0.50	<0.010	0.60	V3320	0.020	0.110	0.490	V3.7	0.020
	07-17-96	5.5	0.30	--	11	V844	1.90	2.30	0.930	V3.3	<0.010
361649094242901	04-19-95	4.7	<0.10	0.040	8.9	246	<0.010	0.110	0.140	0.20	<0.010
	07-25-95	4.7	--	0.030	10	250	0.010	0.090	0.220	0.40	0.020
	07-02-96	5.5	0.10	0.010	9.9	278	<0.010	0.060	0.210	0.40	0.020
361745094234901	04-25-95	8.9	1.0	<0.010	8.5	552	<0.010	0.940	0.180	0.30	<0.010
	07-18-95	11	1.7	<0.010	35	340	0.780	0.800	0.080	0.20	<0.010
	08-15-96	16	2.0	0.10	13	652	0.010	<0.050	0.110	<0.20	0.020
361745094234902	04-25-95	7.6	<0.10	0.060	11	164	<0.010	3.40	<0.015	<0.20	<0.010
	07-19-95	7.7	<0.10	0.070	10	170	<0.010	3.40	<0.015	<0.20	<0.010
	07-29-96	8.1	<0.10	0.060	11	167	0.010	3.10	0.020	<0.20	<0.010
361745094234903	04-25-95	7.8	<0.10	0.060	11	161	<0.010	3.50	<0.015	<0.20	<0.010
	07-19-95	7.7	<0.10	0.060	11	163	<0.010	3.30	0.020	<0.20	<0.010
	07-30-96	7.8	<0.10	0.060	11	159	0.010	3.50	<0.015	<0.20	<0.010
361804094233601	04-11-95	5.4	<0.10	0.60	12	1460	<0.010	2.40	<0.015	<0.20	<0.010
	07-19-95	5.6	<0.10	0.040	11	107	<0.010	2.40	0.030	<0.20	<0.010
	07-16-96	5.7	<0.10	0.22	12	111	<0.010	3.00	0.040	<0.20	<0.010
361804094233602	04-11-95	6.0	0.20	<0.010	16	371	0.010	2.40	0.020	0.40	<0.010
	07-18-95	5.3	0.70	0.020	13	166	0.660	1.20	0.080	<0.20	0.020
	07-16-96	5.2	1.5	0.020	11	160	<0.010	0.100	0.120	<0.20	0.090

STATION NUMBER	DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	TRITIUM TOTAL (PCI/L) (07000)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
361540094130701	08-29-96	0.030	3.0	<1	<3.0	<1.0	--	--	<0.035	<0.035	<0.035
361545094251501	07-25-95	0.050	30	<1	41	10	1.0	30	<0.035	<0.035	<0.035
	07-01-96	0.040	--	--	<3.0	5.0	0.90	30	--	--	--
361547094251401	04-18-95	<0.010	V640	<1	89	<3.0	--	14	<0.035	<0.035	<0.035
	07-25-95	<0.010	--	--	50	<10	--	--	--	--	--
	07-03-96	<0.010	--	--	23	<1.0	V3.4	16	--	--	--
361547094251403	08-01-95	0.020	--	--	17	2.0	--	13	--	--	--
361617094245401	04-18-95	0.020	10	<1	25	6.0	--	22	<0.035	<0.035	<0.035
	07-19-95	<0.010	<10	2	9.0	28	--	25	<0.035	<0.035	<0.035
	07-16-96	<0.010	--	--	63	59	--	23	--	--	--
361618094245501	04-19-95	0.030	<10	<1	7.0	930	--	--	--	--	--
	07-25-95	0.030	--	--	4.0	700	--	--	--	--	--
361631094240601	04-24-95	<0.010	V50	<1	6.0	<1.0	V96	34	<0.035	<0.035	<0.035
	07-18-95	<0.010	V230	1	8.0	<3.0	--	29	<0.035	<0.035	<0.035
	07-18-96	<0.010	--	--	<9.0	<3.0	--	--	--	--	--
361631094240602	08-02-95	<0.010	--	--	20	<10	--	--	--	--	--
	07-17-96	<0.010	--	--	14	<1.0	--	21	--	--	--
361649094242901	04-19-95	<0.010	10	<1	220	720	--	19	--	--	--
	07-25-95	<0.010	20	<1	14	410	1.7	--	<0.052	<0.052	<0.052
	09-05-95	--	--	--	--	--	--	--	--	--	--
	07-02-96	<0.010	--	--	910	250	--	17	--	--	--
361745094234901	04-25-95	<0.010	110	<1	7.0	<1.0	V17	15	<0.035	<0.035	<0.035
	07-18-95	0.010	50	1	14	<1.0	--	12	<0.035	<0.035	<0.035
	08-15-96	<0.010	--	--	100	2.0	--	<2.5	--	--	--
361745094234902	04-25-95	<0.010	190	<1	11	1.0	0.90	35	<0.035	<0.035	<0.035
	07-19-95	<0.010	20	<1	<3.0	<1.0	0.30	38	<0.035	<0.035	<0.035
	07-29-96	0.010	--	--	3.0	<1.0	--	34	--	--	--
361745094234903	04-25-95	<0.010	<10	<1	<3.0	2.0	0.30	37	<0.035	<0.035	<0.035
	07-19-95	0.010	10	<1	<3.0	1.0	--	36	<0.035	<0.035	<0.035
	07-30-96	<0.010	--	--	9.0	<1.0	--	32	--	--	--
361804094233601	04-11-95	<0.010	20	<1	13	56	0.30	37	<0.035	<0.035	<0.035
	07-19-95	0.020	<10	<1	<3.0	4.0	0.20	37	<0.035	<0.035	<0.035
	07-16-96	0.020	--	--	5.0	<1.0	--	35	--	--	--
361804094233602	04-11-95	<0.010	V40	<1	23	21	0.70	36	<0.035	<0.035	<0.035
	07-18-95	<0.010	V130	5	33	17	0.70	23	<0.035	<0.035	<0.035
	07-16-96	0.030	--	--	7.0	9.0	--	19	--	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLOR-AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
361540094130701	08-29-96	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	E0.004	<0.002
361545094251501	07-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	0.003	<0.002
	07-01-96	<0.002	--	<0.002	--	--	--	<0.002	--	0.009	E0.007
361547094251401	04-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-03-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361617094245401	04-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361631094240601	04-24-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361631094240602	07-17-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361649094242901	07-25-95	<0.002	<0.052	<0.002	<0.024	<0.031	<0.024	<0.002	<0.016	<0.001	E0.006
	07-02-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234901	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	08-15-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234902	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-29-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361745094234903	04-25-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-30-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361804094233601	04-11-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-19-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002
361804094233602	04-11-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-18-95	<0.002	<0.035	<0.002	<0.016	<0.021	<0.016	<0.002	<0.011	<0.001	<0.002
	07-16-96	<0.002	--	<0.002	--	--	--	<0.002	--	<0.001	<0.002

STATION NUMBER	DATE	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)
361540094130701	08-29-96	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
361545094251501	07-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-01-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361547094251401	04-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-03-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361617094245401	04-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361631094240601	04-24-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361631094240602	07-17-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361649094242901	07-25-95	<0.002	<0.021	<0.052	<0.052	<0.002	<0.003	<0.012	<0.003	<0.041	<0.021
	07-02-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234901	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	08-15-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234902	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-29-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361745094234903	04-25-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-30-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361804094233601	04-11-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-19-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--
361804094233602	04-11-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-18-95	<0.002	<0.014	<0.035	<0.035	<0.002	<0.003	<0.008	<0.003	<0.028	<0.014
	07-16-96	<0.002	--	--	--	<0.002	<0.003	--	<0.003	--	--

STATION NUMBER	DATE	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)
361540094130701	08-29-96	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
361545094251501	07-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-01-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361547094251401	04-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-03-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361617094245401	04-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361631094240601	04-24-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361631094240602	07-17-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361649094242901	07-25-95	<0.052	<0.004	<0.074	<0.004	<0.025	<0.002	<0.006	<0.002	<0.052	<0.030
	07-02-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361745094234901	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	08-15-96	--	<0.004	--	<0.004	--	E0.004	E0.002	<0.002	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	CHLORO-THALO-NIL, WAT FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)
361745094234902	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-29-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361745094234903	04-25-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-30-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--
361804094233601	04-11-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-19-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	E0.001	<0.002	--	--
361804094233602	04-11-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-18-95	<0.035	<0.004	<0.050	<0.004	<0.017	<0.002	<0.006	<0.002	<0.035	<0.020
	07-16-96	--	<0.004	--	<0.004	--	<0.002	<0.006	<0.002	--	--

STATION NUMBER	DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ESFEN-VAL-ERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
361540094130701	08-29-96	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
361545094251501	07-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	E0.010	<0.002	<0.019	<0.004	<0.003
	07-01-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361547094251401	04-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-03-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361617094245401	04-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361631094240601	04-24-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361631094240602	07-17-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361649094242901	07-25-95	<0.047	<0.001	<0.003	<0.052	<0.017	<0.030	<0.002	<0.028	<0.004	<0.003
	07-02-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003

STATION NUMBER	DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ESFEN-VAL-ERATE, WAT FLT GF 0.7U REC (UG/L) (49298)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
361745094234901	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	08-15-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361745094234902	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-29-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361745094234903	04-25-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-30-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361804094233601	04-11-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-19-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003
361804094233602	04-11-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-18-95	<0.032	<0.001	<0.003	<0.035	<0.017	<0.020	<0.002	<0.019	<0.004	<0.003
	07-16-96	--	<0.001	<0.003	--	<0.017	--	<0.002	--	<0.004	<0.003

STATION NUMBER	DATE	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FONOFOS WATER DISS REC (UG/L) (04095)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)
361540094130701	08-29-96	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
361545094251501	07-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-01-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361547094251401	04-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-03-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361617094245401	04-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361631094240601	04-24-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361631094240602	07-17-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361649094242901	07-25-95	<0.019	<0.003	<0.052	<0.004	<0.002	<0.027	<0.005	<0.074	<0.052	<0.038
	07-02-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234901	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	08-15-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234902	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-29-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361745094234903	04-25-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-30-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361804094233601	04-11-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-19-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--
361804094233602	04-11-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-18-95	<0.013	<0.003	<0.035	<0.004	<0.002	<0.018	<0.005	<0.050	<0.035	<0.026
	07-16-96	--	<0.003	--	<0.004	<0.002	--	<0.005	--	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	METHOMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	1-NAPHTHOL, WATER, FLTRD, GF 0.7U REC (UG/L) (49295)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)
361540094130701	08-29-96	<0.017	<0.001	--	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
361545094251501	07-25-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-01-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361547094251401	04-18-95	<0.017	<0.001	0.05	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-03-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361547094251403	08-01-95	--	--	0.05	--	--	--	--	--	--
361617094245401	04-18-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	0.02	<0.006	<0.002	E0.004	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361631094240601	04-24-95	<0.017	<0.001	0.04	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	0.04	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361631094240602	07-17-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361649094242901	04-19-95	--	--	0.25	--	--	--	--	--	--
	07-25-95	<0.025	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.010	<0.003
	07-02-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361745094234901	04-25-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	0.04	<0.006	<0.002	0.140	<0.004	<0.007	<0.003
	08-15-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361745094234902	04-25-95	<0.017	<0.001	0.03	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-29-96	--	<0.001	--	<0.006	E0.002	<0.004	<0.004	--	<0.003
361745094234903	04-25-95	<0.017	<0.001	0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-30-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361804094233601	04-11-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-19-95	<0.017	<0.001	<0.02	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003
361804094233602	04-11-95	<0.017	<0.001	0.10	<0.006	<0.002	<0.004	<0.004	<0.007	<0.003
	07-18-95	<0.017	<0.001	<0.02	<0.006	<0.002	0.032	<0.004	<0.007	<0.003
	07-16-96	--	<0.001	--	<0.006	<0.002	<0.004	<0.004	--	<0.003

STATION NUMBER	DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
361540094130701	08-29-96	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
361545094251501	07-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-01-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361547094251401	04-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-03-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361617094245401	04-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361631094240601	04-24-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361631094240602	08-02-95	--	--	--	--	--	--	--	--	--
	07-17-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361649094242901	04-19-95	--	--	--	--	--	--	--	--	--
	07-25-95	<0.022	<0.036	<0.052	<0.028	<0.027	<0.004	<0.004	<0.004	<0.005
	09-05-95	--	--	--	--	--	--	--	--	--
	07-02-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005

STATION NUMBER	DATE	NEBURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLURAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	ORYZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
361745094234901	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	08-15-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361745094234902	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-29-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361745094234903	04-25-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-30-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361804094233601	04-11-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-19-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005
361804094233602	04-11-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-18-95	<0.015	<0.024	<0.035	<0.019	<0.018	<0.004	<0.004	<0.004	<0.005
	07-16-96	--	--	--	--	--	<0.004	<0.004	<0.004	<0.005

STATION NUMBER	DATE	PICLORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPCHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PROPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROPOXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
361540094130701	08-29-96	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
361545094251501	07-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-01-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361547094251401	04-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-03-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361617094245401	04-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--

BENTON COUNTY--CONTINUED

Boone Formation

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1996

STATION NUMBER	DATE	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
361631094240601	04-24-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361631094240602	07-17-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361649094242901	07-25-95	<0.074	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.052	<0.052
	07-02-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234901	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	08-15-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234902	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-29-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361745094234903	04-25-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-30-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361804094233601	04-11-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-19-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--
361804094233602	04-11-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-18-95	<0.050	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	<0.035	<0.035
	07-16-96	--	<0.002	<0.018	<0.003	<0.007	<0.004	<0.013	--	--

STATION NUMBER	DATE	SILVEX, DIS-SOLVED (UG/L) (39762)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
361540094130701	08-29-96	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
361545094251501	07-25-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-01-96	--	<0.005	E0.007	<0.007	<0.013	<0.002	<0.001	--	<0.002
361547094251401	04-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-03-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361617094245401	04-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361631094240601	04-24-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361631094240602	07-17-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361649094242901	07-25-95	<0.031	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.074	<0.002
	07-02-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234901	04-25-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	08-15-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234902	04-25-95	<0.021	<0.005	0.110	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.120	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-29-96	--	<0.005	0.191	<0.007	<0.013	<0.002	<0.001	--	<0.002
361745094234903	04-25-95	<0.021	<0.005	0.120	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.150	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-30-96	--	<0.005	0.061	<0.007	<0.013	<0.002	<0.001	--	<0.002
361804094233601	04-11-95	<0.021	<0.005	0.053	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-19-95	<0.021	<0.005	0.097	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	0.049	<0.007	<0.013	<0.002	<0.001	--	<0.002
361804094233602	04-11-95	<0.021	<0.005	0.088	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-18-95	<0.021	<0.005	0.074	<0.007	<0.013	<0.002	<0.001	<0.050	<0.002
	07-16-96	--	<0.005	<0.010	<0.007	<0.013	<0.002	<0.001	--	<0.002

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.

LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply well, depth 1,280 ft.
DATUM.--Land surface, 660 ft above sea level.
REMARKS.--Water-quality records for January 1969, April 1975, June 1982, July 1991, and June 1996 are available in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 17...	1100	1280	660	80513	81213	450	7.2	747	17.0	5	240

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 17...	1100	50	28	1.3	1	0.0	1.0	219	1.7	1.8	<0.10

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
JUN 17...	1100	9.4	238	225	0.32	<0.010	0.140	<0.010	<0.20	<0.010	20

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 17...	1100	<0.50	12	<0.50	<1.0	<3.0	2.9	<3.0	<1.0	<1	<0.20

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 17...	1100	<2.0	<1.0	<1.0	30	<1	1.3	3.0	1.4	1.8	2.3

362359091590001. Local number, 20N09W18ACB1.

LOCATION.--Lat 36°23'59", long 90°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 8 in, depth 950 ft.
DATUM.-- Land surface, 860 ft above sea level. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982, July 1987, July 1992, and June 1996 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to March 1990, July 1992 and current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 125.76 ft below land surface, July 7, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JUN 17...	1340	950.00	860	80513	81213	358	7.6	740	18.0	<5

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUN 17...	1340	190	39	22	1.6	2	0.0	1.7	195	1.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
JUN 17...	1340	1.9	<0.10	11	192	196	0.26	<0.010	0.080	<0.010

FULTON COUNTY--CONTINUED

362359091590001. Local number, 20N09W18ACB1.--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)
JUN 17...	1340	<0.20	0.010	0.03	28	<0.50	11	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUN 17...	1340	<3.0	1.1	4.0	<1.0	1	0.40	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 17...	1340	<1.0	30	<1	12	3.2	4.6	2.6	2.1

HEMPSTEAD COUNTY

334337093380001. Local number, 12S25W12AAA1.

LOCATION.--Lat 33°43'37", long 93°38'00", Hydrologic Unit 11140201, at Hope (city well No. 3).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 24 in, depth 1,170 ft.
DATUM.--Land surface, 368 ft above sea level.
PERIOD OF RECORD.--September 1980, September 1990, and June 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
JUN 18...	1345	1134	368	80513	81213	524	8.0	752	23.0	5

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUN 18...	1345	190	70	4.0	38	30	1	2.4	230	20

DATE	TIME	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
JUN 18...	1345	18	0.10	35	322	326	0.44	<0.010	<0.020	0.100

DATE	TIME	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)
JUN 18...	1345	0.13	<0.20	0.050	0.15	18	<0.50	90	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUN 18...	1345	<3.0	35	160	2.0	20	13	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 18...	1345	<1.0	420	<1	2.3	3.6	2.2	3.3	5.1

JEFFERSON COUNTY

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 Ecocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 1,106 ft, cased 0-1,017 ft, 1,033-1053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.-- Land surface, 202.42 ft above sea level. Measuring point: Top of casing , 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1982, July 1987, July 1992, and June 1996 are in files of district office.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 251.40 ft below land surface, Jan. 19, 1996.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	248.35	DEC 20	248.30	FEB 21	249.50	APR 15	245.20	AUG 21	239.90
NOV 22	248.50	JAN 19	251.40	MAR 21	247.10	MAY 27	247.90		

LITTLE RIVER COUNTY

334202094084501. Local number 12S30W19CCA1

LOCATION.--Lat 33°42'02", long 94°08'45", Hydrologic Unit 11140109, at Ashdown (Mesamore well).
Owner: City of Ashdown.
AQUIFER.--Terrace Deposits of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 90 ft, cased 0-61 ft, screened 61-90 ft.
DATUM.--Land surface, 327 ft above sea level.
REMARKS.--Water-quality records for June 1996 are in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUN 19...	0930	327	80513	81213	264	7.5	753	20.0	5	100

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JUN 19...	0930	32	6.0	12	20	0.5	0.60	90	11	12

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)
JUN 19...	0930	0.10	41	182	173	0.25	<0.010	0.770	0.020	0.03

DATE	TIME	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JUN 19...	0930	<0.20	0.240	0.74	170	<0.50	25	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUN 19...	0930	<3.0	2.6	100	<1.0	10	39	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
JUN 19...	0930	<1.0	140	1	18	2.6	0.3	1.3	1.5

MISSISSIPPI COUNTY

355323089552101. Local number, 15N11E28CAC1.

LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand , Wilcox Group of Ecocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 8 in, depth 1,400 ft, cased 0-1,337 ft, screened 1,337-1,400 ft.
DATUM.--Land surface, 250 ft above sea level. Measuring point: Remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, June 1982, July 1987, July 1992, and August 1996 are available in files of district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
AUG 07...	1300	1400	250	80513	81213	219	6.7	762	23.5	50

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	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 WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
AUG 07...	1300	27	7.5	2.0	31	68	3	3.6	80	10

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
AUG 07...	1300	1.0	0.10	11	124	118	0.17	<0.010	<0.020	0.240

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
AUG 07...	1300	0.31	<0.20	0.010	0.03	99	<0.50	74	<0.50	<1.0

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 07...	1300	<3.0	<1.0	3200	1.4	26	120	<2.0	<1.0

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)
AUG 07...	1300	<1.0	330	<1	2.4	4.1	<1.4	1.5	0.86

UNION COUNTY

331438092411901. Local number, 17S15W18DBB1.

LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, at El Dorado.
Owner: Monsanto Chemical Company.
AQUIFER.--Sparta Sand of Ecocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.--Land surface, 182.93 ft above sea level. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.00 ft below land surface, 1942; lowest, 381.37 ft below land surface, Apr. 29, 1993.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	353.40	JAN 22	352.54	MAR 20	355.86	MAY 24	360.24	JUL 20	359.30
DEC 20	352.26	FEB 20	355.42	APR 20	356.02	JUN 20	359.17	AUG 20	359.39
SEP 21	359.31								

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY

PRECIPITATION QUALITY, October 1995 TO July 1996

LOCATION.--Lat 34°10'45", long 93°05'54", in NW1/4NW1/4 sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to July 1996.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain onsite precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Colorado 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Data can be obtained from the NADP/NTN home page on the World Wide Web (http://nadp.nrel.colostate.edu/NADP). Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey.

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIPITATION FOR DEFINED PERIOD (IN) (00193)	COLLECTOR EFFICIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUCTANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUCTANCE LAB ATM DEP WET TOT (US/CM) (83156)
OCT 1995 03-10	0900-0900	300	17003	--	--	--	5.57	--	2.6
OCT 10-17	0900-0900	300	17003	0.0	--	--	5.53	--	2.2
OCT 17-24	0900-0900	300	17003	0.10	66	4.88	7.00	56.2	52.7
OCT 24-31	0900-0900	300	17003	0.90	100	5.00	5.48	10.0	6.8
OCT 31-NOV 07	0900-0900	300	17003	2.14	100	4.99	4.78	9.2	10.4
NOV 07-14	0900-0900	300	17003	0.50	100	5.04	5.08	13.5	14.2
NOV 14-21	0900-0900	300	17003	0.0	--	--	--	--	--
NOV 21-28	0900-0900	300	17003	0.02	95	--	4.45	--	37.0
NOV 28-DEC 05	0900-0900	300	17003	0.02	120	--	4.84	--	20.6
DEC 05-12	0900-0900	300	17003	1.26	101	4.39	4.33	20.5	25.9
DEC 12-19	0900-0900	300	17003	1.68	101	4.68	4.72	13.9	11.3
DEC 19-26	0900-0900	300	17003	0.0	--	--	5.58	--	4.2
DEC 26 1995-JAN 02 1996	0900-0900	300	17003	1.50	101	4.42	4.40	17.8	22.0
JAN 02-09	0900-0900	300	17003	0.10	61	4.00	4.06	49.4	47.6
JAN 09-16	0900-0900	300	17003	--	--	--	3.98	--	70.2
JAN 16-23	0900-0900	300	17003	0.83	100	5.41	6.06	5.7	5.9
JAN 23-30	0900-0915	300	17003	0.32	96	4.81	4.71	11.8	12.8
JAN 30-FEB 06	0915-0930	300	17003	0.15	103	4.49	4.53	21.9	23.5
FEB 06-13	0930-0900	300	17003	0.01	124	--	4.06	--	60.4
FEB 13-20	0900-0915	300	17003	2.30	99	5.40	6.61	12.4	13.0
FEB 20-27	0915-0945	300	17003	0.0	--	--	--	--	--
FEB 27-MAR 05	0945-0900	300	17003	1.25	98	5.18	5.00	11.6	11.8
MAR 05-12	0900-0930	300	17003	0.11	101	5.57	6.29	32.7	34.0
MAR 12-19	0930-0900	300	17003	1.27	99	4.71	4.65	22.6	16.3
MAR 19-26	0900-0900	300	17003	--	--	5.61	5.52	9.4	7.5
MAR 26-APR 02	0900-0900	300	17003	--	--	4.37	4.30	24.6	26.0
APR 02-09	0900-0930	300	17003	0.08	111	4.95	4.83	23.7	25.2
APR 09-16	0930-0900	300	17003	2.05	96	5.01	4.97	11.7	13.2
APR 16-23	0900-0900	300	17003	0.55	104	5.24	5.47	18.4	17.9
APR 23-30	0900-0900	300	17003	0.43	101	5.18	4.85	32.1	16.3
APR 30-MAY 07	0900-0900	300	17003	4.37	97	5.06	4.86	13.9	11.1
MAY 07-14	0900-0900	300	17003	2.01	100	5.15	4.86	12.0	13.9
MAY 14-21	0900-0900	300	17003	--	--	--	4.50	--	19.7
MAY 21-28	0900-0900	300	17003	1.18	98	4.95	4.83	14.0	14.9
MAY 28-JUN 04	0900-0900	300	17003	0.95	82	--	--	--	--

CHEMICAL QUALITY OF PRECIPITATION

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY--CONTINUED

PRECIPITATION QUALITY, October 1995 TO July 1996

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHORUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
OCT 1995 03-10	0.010	0.003	0.016	0.109	0.030	0.23	0.16	<0.03	0.008
OCT 10-17	0.010	0.006	0.043	0.121	0.100	0.21	0.13	<0.03	0.006
OCT 17-24	1.58	1.09	8.25	1.41	0.110	0.11	2.48	7.30	0.062
OCT 24-31	0.310	0.073	0.333	0.123	<0.020	0.55	0.20	0.94	<0.003
OCT 31-NOV 07	0.130	0.015	0.010	0.120	0.170	0.64	0.16	0.92	<0.003
NOV 07-14	0.400	0.100	0.263	0.764	0.220	0.93	1.20	1.50	<0.003
NOV 14-21	--	--	--	--	--	--	--	--	--
NOV 21-28	1.25	0.127	0.085	0.810	0.890	4.94	0.81	4.36	<0.012
NOV 28-DEC 05	1.09	0.075	0.067	0.297	0.470	2.77	0.25	3.02	<0.008
DEC 05-12	0.140	0.014	0.025	0.070	0.360	1.25	0.09	2.63	<0.003
DEC 12-19	0.080	0.012	0.019	0.110	0.140	0.73	0.17	0.95	<0.003
DEC 19-26	0.070	0.013	0.163	0.399	0.110	0.15	0.58	0.06	<0.003
DEC 26 1995-JAN 02 1996	0.060	0.009	0.012	0.043	0.280	1.30	0.08	1.72	<0.003
JAN 02-09	0.100	0.025	0.062	0.182	0.920	4.33	0.24	3.46	<0.003
JAN 09-16	0.500	0.183	0.160	1.33	0.690	8.92	2.12	2.52	<0.017
JAN 16-23	0.430	0.043	0.073	0.219	<0.020	<0.03	0.34	0.60	<0.003
JAN 23-30	0.080	0.029	0.047	0.245	0.250	0.60	0.34	1.39	<0.003
JAN 30-FEB 06	0.680	0.070	0.055	0.181	0.310	2.42	0.18	2.63	<0.003
FEB 06-13	0.130	0.134	0.114	1.11	2.21	6.48	1.27	4.48	<0.020
FEB 13-20	1.12	0.112	0.106	0.401	0.290	0.92	0.39	1.73	<0.003
FEB 20-27	--	--	--	--	--	--	--	--	--
FEB 27-MAR 05	0.340	0.060	0.053	0.421	0.300	0.89	0.59	1.59	<0.003
MAR 05-12	2.89	0.179	0.155	0.787	1.58	5.01	0.79	5.67	<0.003
MAR 12-19	0.250	0.020	0.015	0.082	0.510	1.60	0.09	1.73	<0.003
MAR 19-26	0.270	0.050	0.083	0.261	0.230	0.62	0.39	0.93	<0.003
MAR 26-APR 02	0.210	0.021	0.017	0.069	0.290	2.21	0.10	2.15	<0.003
APR 02-09	0.690	0.169	0.356	1.05	0.620	3.13	1.41	2.65	<0.003
APR 09-16	0.320	0.050	0.083	0.298	0.320	1.18	0.42	1.54	<0.003
APR 16-23	0.700	0.194	0.725	0.769	0.410	1.69	1.16	2.36	<0.003
APR 23-30	0.490	0.064	0.075	0.295	0.540	1.72	0.37	2.01	<0.003
APR 30-MAY 07	0.080	0.019	0.220	0.155	0.220	0.72	0.39	0.94	<0.003
MAY 07-14	0.140	0.058	0.143	0.404	0.250	1.11	0.61	1.16	<0.003
MAY 14-21	--	--	--	--	--	--	--	--	--
MAY 21-28	0.390	0.077	0.099	0.366	0.240	1.43	0.51	1.52	<0.003
MAY 28-JUN 04	--	--	--	--	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	TOTAL PRECIP-ITATION FOR DEFINED PERIOD (IN) (00193)	COL-LECTOR EFFI-CIENCY WET DEPOS. PERCENT (82284)	PH FIELD ATM DEP WET T (UNITS) (83106)	PH LAB ATM DEP WET T (UNITS) (83107)	SPEC. CONDUC-TANCE FIELD ATM DEP WET TOT (US/CM) (83154)	SPEC. CONDUC-TANCE LAB ATM DEP WET TOT (US/CM) (83156)
JUN 1996 04-11	0900-0900	300	17003	0.70	61	--	--	--	--
JUN 11-18	0900-0900	300	17003	0.14	--	--	--	--	--
JUN 18-25	0900-0900	300	17003	0.10	99	4.94	4.79	17.2	18.3
JUN 25-JUL 02	0900-1000	300	17003	1.54	100	4.85	4.79	9.5	9.2

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG-NESIUM ATM DEP WET DIS (MG/L) (83002)	POTAS-SIUM ATM DEP WET DIS (MG/L) (83120)	SODIUM ATM DEP WET DIS (MG/L) (83138)	NI-TROGEN AMMON. ATM DEP WET DIS AS NH4 (MG/L) (83047)	NI-TROGEN NITRATE ATM DEP WET DIS AS NO3 (MG/L) (83071)	CHLO-RIDE ATM DEP WET DIS (MG/L) (82944)	SULFATE ATM DEP WET DIS AS SO4 (MG/L) (83160)	PHOS-PHORUS ORTHO ATM DEP WET DIS AS PO4 (MG/L) (83111)
JUN 1996 04-11	--	--	--	--	--	--	--	--	--
JUN 11-18	--	--	--	--	--	--	--	--	--
JUN 18-25	0.520	0.043	0.068	0.167	0.730	3.72	0.43	1.16	<0.003
JUN 25-JUL 02	0.020	0.011	0.016	0.134	0.130	0.56	0.18	0.58	<0.003

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

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

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