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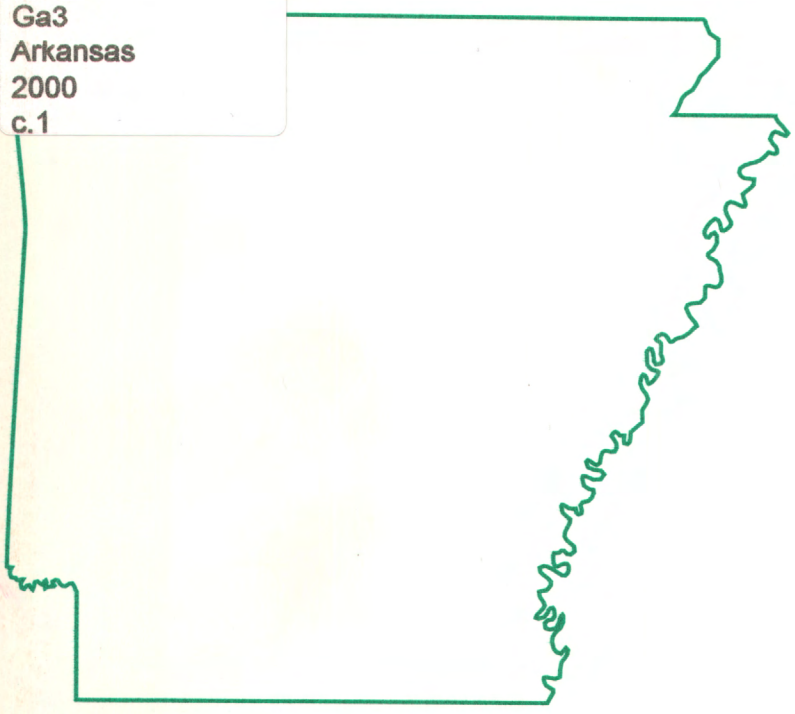
Water Resources Data
Arkansas
Water Year 2000

Water-Data Report AR-00-1



U.S. Department of the Interior
U.S. Geological Survey

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

CALENDAR FOR WATER YEAR 2000

1999

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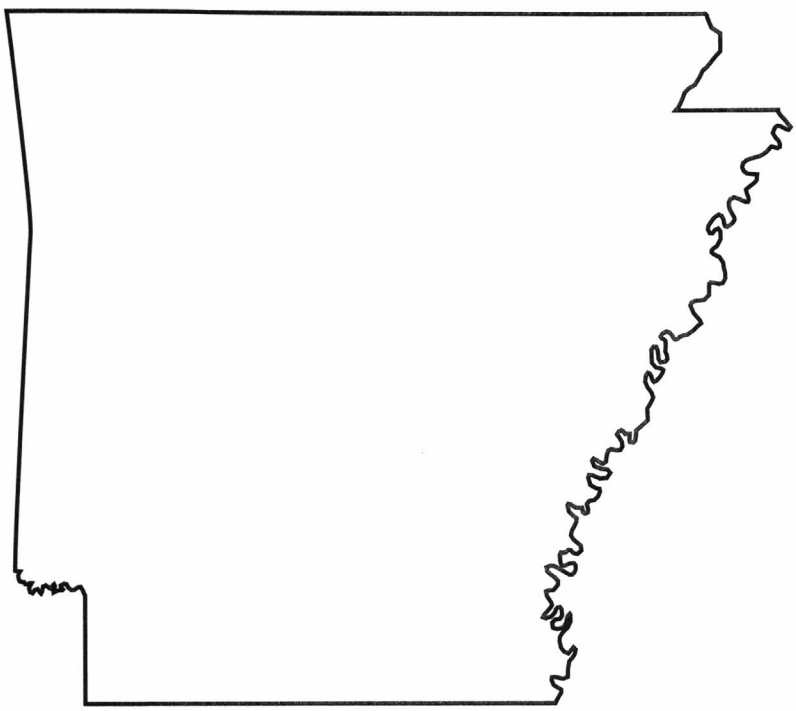
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data Arkansas Water Year 2000

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

Water-Data Report AR-00-1



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

U. S. DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, 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

2001

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.

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

Elizabeth Beavers
Troy "Bubba" Brossett
Johnny Douglas
Rene' Freret
Jaysson Funkhouser
Marsha Gipson
Alan Hall
Charles Heavener
Jan Jones
Bob Joseph
Ron Knott
Dwight Lasker
Autry Meeker
Matt Moix
Chris O'Dell
Jim Petersen
Tom Porter
Tony Schrader
Phil Stephens
Scott Wallace

Sharon Touschner assembled the text for the report and Steve Bearden modified the illustrations for the report.

This report was prepared in cooperation with the State of Arkansas and with other agencies under the general supervision of C. Shane Barks, Surveillance & Analysis Section Chief and John E. Terry, Acting District Chief, Arkansas.

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13. ABSTRACT *(Maximum 200 words)*

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 1999 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 also are included. This report contains daily discharge records for 81 surface-water gaging stations and 4 daily sediment stations; water-quality data for 62 surface-water stations, 5 wells and springs, and 1 precipitation-quality station; and water levels for 14 observation wells. Also included are data for 95 peak-discharge partial-record stations and 12 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.

14. SUBJECT TERMS
*Arkansas, *Missouri, *Oklahoma, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rates, Gaging stations, Lakes, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses

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CONTENTS

ILLUSTRATIONS

HYDROLOGIC-DATA STATIONS IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Note.--Data for partial-record stations and miscellaneous sites for surface-water quantity are printed in a separate section of this report.

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

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 database 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 National Water Information System (NWIS) and U.S. Environmental Protection Agency STORET databases.

Water resources data reported for the 2000 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 also are included. This report contains daily discharge records for 81 surface-water gaging stations and 4 daily sediment stations; water-quality data for 62 surface-water stations, 5 wells and springs, and 1 precipitation-quality station; and water levels for 14 observation wells. 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-00-1. 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 2000 are:

Arkansas Department of Environmental Quality, Richard A. Weiss, Interim Director
Arkansas Game and Fish Commission, Hugh Durham, Director
Arkansas Geological Commission, William Bush, State Geologist
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director
Arkansas State Highway and Transportation Department, Dan Flowers, Director
Arkansas Department of Parks and Tourism, Richard W. Davies, Director
Beaver Water District, Richard Starr, Engineer-Manager
City of Batesville, Joe M. Biard, City Mayor
City of Cabot, Joe Allman, City Mayor
City of Fayetteville, Jim Beavers, City Engineer
City of Fort Smith, Steve Parke, Director of Utilities
Little Rock Municipal Water Works, James T. Harvey, Manager
Rogers Water Utilities, Tom McAlister, Utility Manager
University of Arkansas at Pine Bluff, Dr. Leslie Glover, Chairman

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 Entergy 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 varies seasonally in Arkansas and generally reflects precipitation patterns unless a stream is regulated. Below-average rainfall resulted in slightly below average runoff in the northern part of the State and much below average runoff in the western and southern parts of the State during the 2000 water year. Streamflow for the year (as a percentage of the median for the base period 1961-1990) was 30 percent for the index station on the Saline River near Rye, in southern Arkansas, 85 percent for the index station on the Buffalo River near St. Joe, in northern Arkansas, 97 percent for the index station on the Big Piney Creek at Highway 164 near Dover, in west central Arkansas, and 36 percent for the index station on the James Fork near Hackett, in western Arkansas. Monthly and annual mean discharges for the 2000 water year, and median for the monthly and annual mean discharges for the base period 1961-1990 at the St. Joe, Hackett, Dover, and Rye sites are shown on figure 1.

Storm systems during the period June 17-21 produced moderate to heavy rainfall in the northwestern part of the State, which caused severe local flooding. Officials estimated that the flooding caused at least $2.2 million in property damage in five counties in northwestern Arkansas. However, no peaks exceeded the 50-year recurrence interval during this period.

Streamflow statistics for the 2000 water year compared to the streamflow statistics for the period of record at 10 stations are presented below.

Station identification	Period of record	Statistics of discharge during 2000 water year (cubic feet per second) Maximum instantaneous	Minimum instantaneous	Mean	Statistics of discharge during period of record (cubic feet per second) Maximum instantaneous	Minimum instantaneous	Mean
07047942 L'Anguille River near Colt	1970-00	3,740	3.1	325	16,600	0.99	717
07060710 North Sylamore Creek near Fifty-Six	1965-00	11,300	1.0	29.7	25,200	1.0	46.3
07077380 Cache River at Egypt	1964-00	3,850	0	659	8,490	0	858
07196900 Baron Fork at Dutch Mills	1958-00	20,300	0.30	47.8	20,900	0	45.7
07249400 James Fork near Hackett	1958-00	4,430	.54	49.3	30,000	0	145
07261000 Cadron Creek near Guy	1954-00	5,710	0	133	24,200	0	274
07264000 Bayou Meto near Lonoke	1954-00	754	0	99.2	5,750	0	289
07340300 Cossatot River near Vandervoort	1967-00	9,880	5.5	133	32,000	5.5	196
07356000 Ouachita River near Mt. Ida	1941-00	20,600	15	497	102,000	2.3	730
07364150 Bayou Bartholomew near McGehee	1938-42, 1945-00	1,960	12	216	6,870	0.20	686

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.

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 these point sources 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 wastewater-treatment plants, storage effects of the Arkansas River Navigation System, and tributary dams have moderated the effects of inflowing contaminants.

Retrieving data for water-quality sites now can be achieved via the internet. Real-time data from monitors and water-qaulity data from laboratory analyses can be retrieved from the website at:

http://water.usgs.gov

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 2000 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 2000 water year was 553 mg/L in the Red River at Index. Suspended-sediment concentrations, in milligrams per liter, for selected stream sampling sites are presented below.

	2000 water year		Period of record through 2000	
	Minimum	Maximum	Minimum	Maximum
Right Hand Chute of Little River at Rivervale	41	402	25	1,070
L'Anguille River near Colt	33	238	4	2,410
North Sylamore Creek near Fifty-Six	20	73	0	198
Arkansas River at David D. Terry Lock and Dam below Little Rock	7	89	2	4,140
Ouachita River at Camden	16	127	6	639
Red River at Index	124	553	16	8,200

The highest fecal-coliform bacteria density found in selected streams in 2000 water year was K780 colonies per 100 mL in Yocum Creek near Oak Grove. 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)]

	2000 water year		Period of record through 2000	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	72	410	<3	K6,800
Yocum Creek near Oak Grove	K6	K780	<1	K15,000
North Sylamore Creek near Fifty-Six	<1	33	<1	1,400
Ouachita River at Camden	23	170	<1	1,300

The highest dissolved-solids concentration found in selected streams in 2000 water year was 430 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.

	2000 water year		Period of record through 2000	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	125	424	46	424
Yocum Creek near Oak Grove	190	226	146	245
North Sylamore Creek near Fifty-Six	148	164	72	212
Arkansas River at David D. Terry Lock and Dam below Little Rock	249	430	85	690

The highest dissolved chloride concentration found in selected streams in 2000 water year was 121 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.

	2000 water year		Period of record through 2000	
	Minimum	Maximum	Minimum	Maximum
L'Anguille River near Colt	11	34	1.9	49
Yocum Creek near Oak Grove	8.3	11.4	4.6	13
North Sylamore Creek near Fifty-Six	15	2.4	.3	18
Arkansas River at David D. Terry Lock and Dam below Little Rock	46.1	121	11	290
Ouachita River at Camden	2.9	5.0	2.1	79

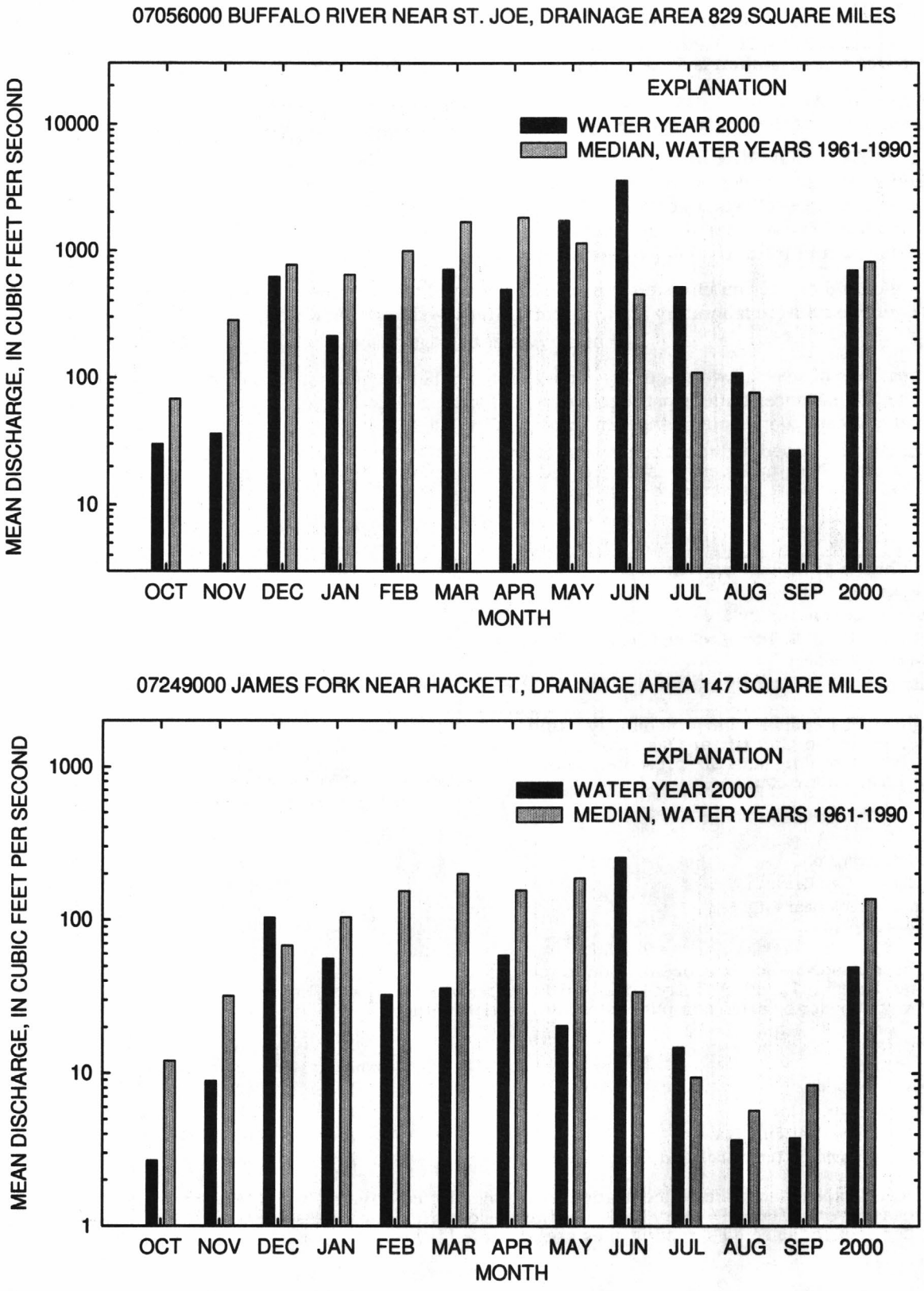
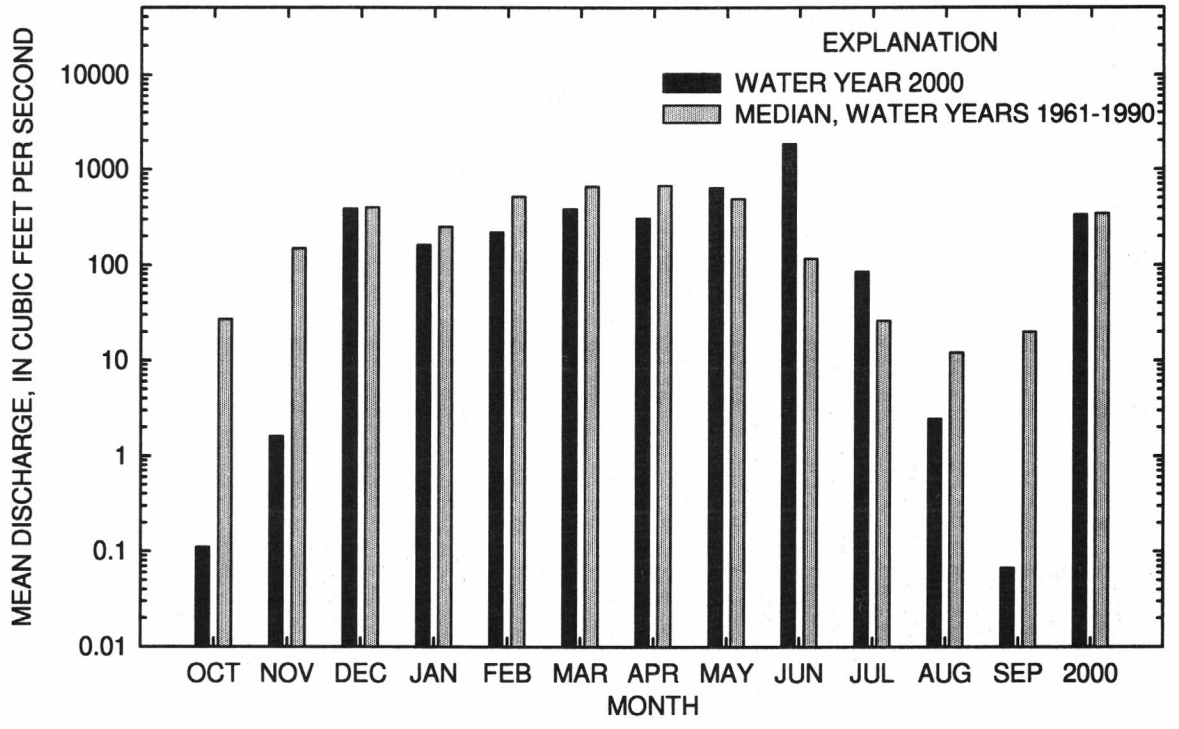


Figure 1.--Comparison of discharge at four representative long-term gaging stations for the 2000 water year with the median of the monthly and annual mean discharges for a 30-year base period.

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, DRAINAGE AREA 297 SQUARE MILES



07363500 SALINE RIVER NEAR RYE, DRAINAGE AREA 2,102 SQUARE MILES

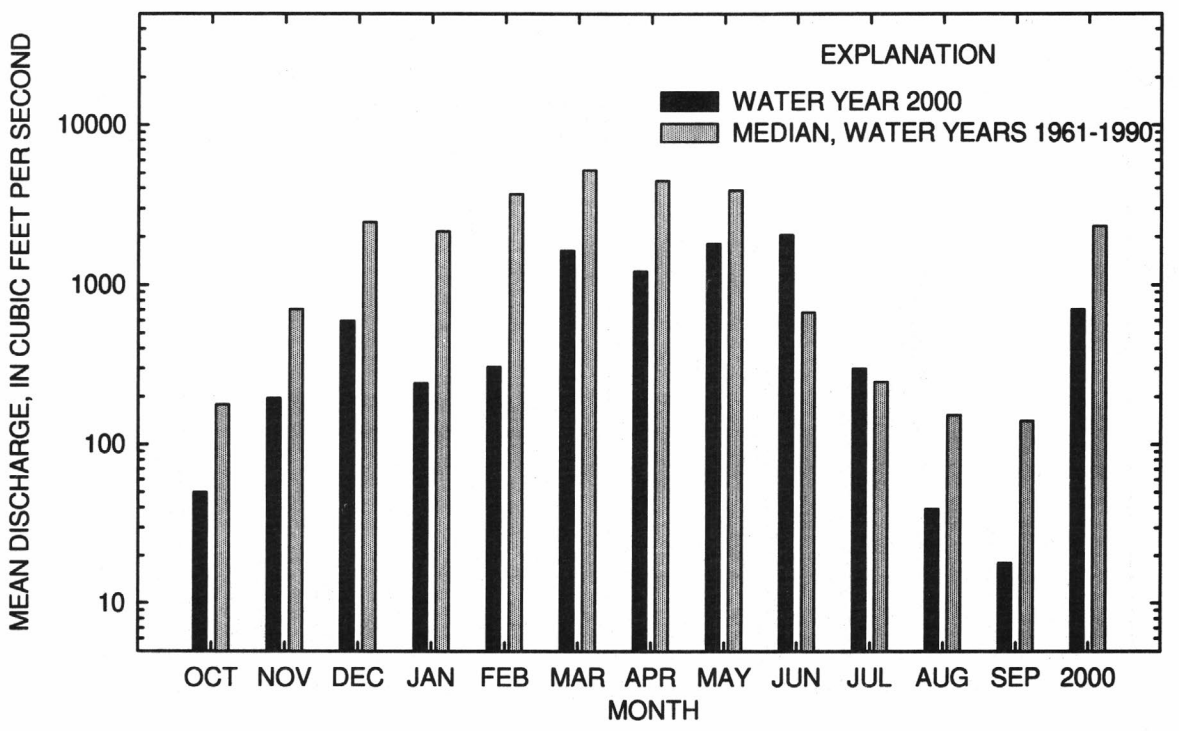


Figure 1.--Comparison of discharge at four representative long-term gaging stations for the 2000 water year with the median of the monthly and annual mean discharges for a 30-year base period-continued.

The highest total phosphorus concentration found in selected streams in 2000 water year was 0.127 mg/L in Arkansas River at David D. Terry Dam below Little Rock. Total phosphorus concentrations, in milligrams per liter, for selected sampling sites are presented below.

	2000		Period of record through 2000	
	Minimum	Maximum	Minimum	Maximum
Yocum Creek near Oak Grove	0.026	0.072	<0.01	0.45
North Sylamore Creek near Fifty-Six	<.008	<.008	<.004	.34
Arkansas River at David D. Terry Lock and Dam below Little Rock	.075	.127	<.01	.61
Ouachita River at Camden	.020	.090	<.01	.31

Ground-Water Levels

A majority of the ground-water consumption in Arkansas is from three major aquifers--the Mississippi River Valley alluvial aquifer (hereafter referred to as the alluvial aquifer), the Sparta aquifer, and the 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 and Memphis aquifers occur within the Sparta and Memphis Sands of the Claiborne Group of Eocene age and are the second and third most productive aquifers within the State. The Sparta and Memphis aquifers underlie the alluvial aquifer within the Mississippi Alluvial Plain and extend 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; the Sparta and Memphis aquifers provide 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 three 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; the second cone has developed west of Crowleys Ridge in Craighead, Cross, and Poinsett Counties. The third cone has developed in eastern Monroe and western Lee and St. Francis Counties.

The regional potentiometric gradient of the Sparta and Memphis aquifers generally is southeastward except where affected by large withdrawals. Three cones of depression, centered in Columbia, Union, and Jefferson Counties, have developed because of large withdrawals for industrial and public supplies in those areas. Additional large withdrawals for irrigation in the Grand Prairie region have resulted in a northeasterly elongation of the cone centered under Arkansas County. The deepest water level in the Sparta and Memphis aquifers during the spring and summer of 2000 was 476 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 is used to describe a well in which the water level is above the top of a confined 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 streamflow 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 presented 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.

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, phytoplankton, or zooplankton.

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.

Sample source denotes streams in overbank. Value of 67 equals main channel, value of 68 equals overbank.

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 without contact with the streambed.

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.

STATION IDENTIFICATION NUMBERS

Each data station, whether stream site or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The system used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water sites will differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells.

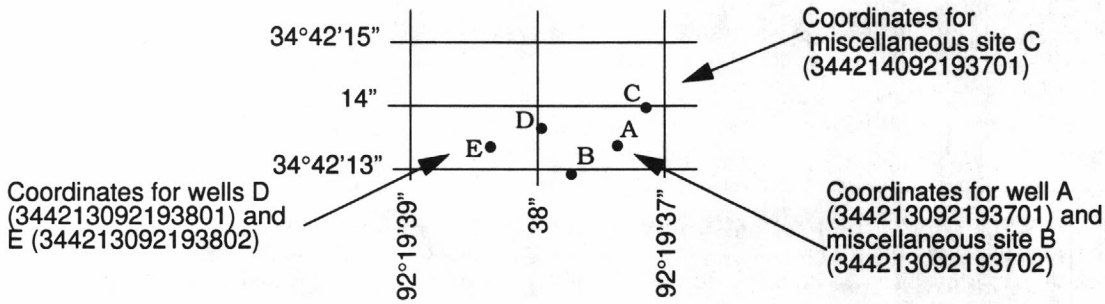
Downstream Order and Station Number

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 Benchmark 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 41 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. Data from the network, as well as information about individual sites, are available through the world wide web at:

http://water.usgs.gov/nasqan

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 more than 200 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, and (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.sws.uiuc.edu

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 52 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://water.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 continued in 2000 with two streams sampled with NAWQA support. 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. Additional information about the Ozark Plateaus NAWQA and the MISE NAWQA are available at:

http://ar.water.usgs.gov

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

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharge may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or any period of time. They may be obtained using a continuous stage-recording device, but need not be. Daily discharge records were computed and included in this report for 81 stations in Arkansas in 2000. Locations of surface-water stations are shown in figure 2 (page 34).

By contrast, partial records are obtained at stations where daily mean discharge values are not computed. Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Collection and Computation of Data

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

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

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

For 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. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

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 sea level 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.

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://ar.water.usgs.gov

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

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always require corresponding discharge data. Records of surface-water quality in this report may involve various types of data and measurement frequencies.

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. Sixty-two stations are included for 2000. The locations of these stations are shown in figure 3 (page 35).

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:

1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80020	National Water-Quality Laboratory, WRD, USGS
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 ensure 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, Illinois State Water Survey, 2204 Griffith Drive, Champaign, Illinois 61820.

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

Samples for biochemical-oxygen demand (BOD) and samples for indicator bacteria are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colorado, Ocala, Florida, or Rolla, Missouri. 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

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 14 wells in Arkansas (fig. 4, page 377). Three wells are measured manually one or more times each year. Eleven wells are measured using water-stage recorders. Each well is identified by means of a 15-digit number that is based on latitude and longitude (see diagram on page 12).

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 sites has been established. The monitoring sites for sampling ground water were selected from all major aquifers. Each year two or more sites are sampled from large aquifers such as those in the Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring sites at 5-year intervals. Sampling schedules are staggered so that five or six sites 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 2000, five sites 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 USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at

http://water.usgs.gov

Some water-quality and ground-water data are also available through the WWW. In addition, data can be provided in various machine-readable formats. 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-Al0. *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.

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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.

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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

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6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.

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

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9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling,* by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI Book 9, Chap. A1. 1998. 47 p.

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9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI Book 9, Chap. A3. 1998. 75 p.

9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI Book 9, Chap. A4. 1999. 156 p.

9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI Book 9, Chap. A5. 1999. 149 p.

9-A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F. D. Wilde and D.B. Radtke: USGS--TWRI Book 9, Chapter A6. 1998. Variously paginated.

9-A7. *National field manual for the collection of water-quality data: Biological indicators*, by D. N. Myers and F. D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997. 49 pages.

9-A8. *National field manual for the collection of water-quality data: Bottom material samples*, by D.B. Radtke: USGS--TWRI Book 9, Chapter A8. 1998. 48 pages.

9-A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS--TWRI Book 9, Chapter A9. 1998. 60 pages.

3DISCONTINUED 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
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland	83.1	1945-83
07048500	West Fork White River near Fayetteville	118	1937-45
07049500	White River near Rogers	1,020	1952-63
**07055000	White River near Flippin	6,081	1928-80
*07055608	Crooked Creek at Yellville	406	1988-94
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
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
*07074000	Strawberry River near Poughkeepsie	473	1936-94
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
07076620	Little Red River near Searcy	1,648	1983-96
*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
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
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

DISCONTINUED GAGING STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi^2)	Period of record
	ARKANSAS RIVER BASIN--CONTINUED		
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
*07258000	Arkansas River at Dardanelle	153670	1937-94
07259500	Petit Jean River near Waveland	516	1939-80
07262500	Fourche LaFave River near Nimrod	684	1936-80
07263465	Storm Ditch at Rolling Oaks Drive at Maumelle	0.36	1997
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
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
07363300	Hurricane Creek near Sheridan	204	1961-94
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
07040496	Cockle Burr Slough Ditch near Monette	Chem, Sed	1979-97
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	Penniscot Bayou near Yarbro	Chem.	1972-74
07047400	Penniscot 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 Parkin	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 1976-81
07049693	White River at Campground E near Busch	Temp., D.O.	1991-Dec 98
07049695	White River above Busch	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver	Chem.	1945-46, 1948-53, 1974-83

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
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
07060000	North Fork River at Norfork Dam	Temp., D.O.	1991-98
07060004	North Fork River near Salesville	Temp., D.O.	1993-94
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
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

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
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	1966, 1976-79, 1996-98
07077400	Cache River near Cash	Chem.	1974-83
07077555	Cache River near Cotton Plant	Chem	1987-90, Nov 1992-June 1993, Oct 1994-98
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

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	ARKANSAS RIVER BASIN		
07188910	Butler Creek near Sulphur Springs	Chem.	1969-93
07195686	North Flint Creek near Springtown	Chem	1995-96
07195800	Flint Creek at Springtown	Chem.	1975-79
			1996
07195850	Flint Creek North of Siloam Springs	Chem.	1972-81
07195855	Flint Creek near West Siloam Springs	Chem	1979-96
07196950	Evansville Creek at Evansville	Chem.	1958-59
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
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 Furlow (formerly published as "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

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
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	Wheeler 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
07361025	Prairie Creek near Murfreesboro	Chem.	1984-93
07361500	Antoine River at Antoine	Chem.	1976-79
07363080	Saline River near Tull	Chem.	1974-75
07363400	Hurricane Creek below 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
07365900	Three Creeks near Three Creeks	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou east of Junction City	Chem.	1973-74

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07367666	Big Bayou near Jerome	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot	Chem.	1973-74

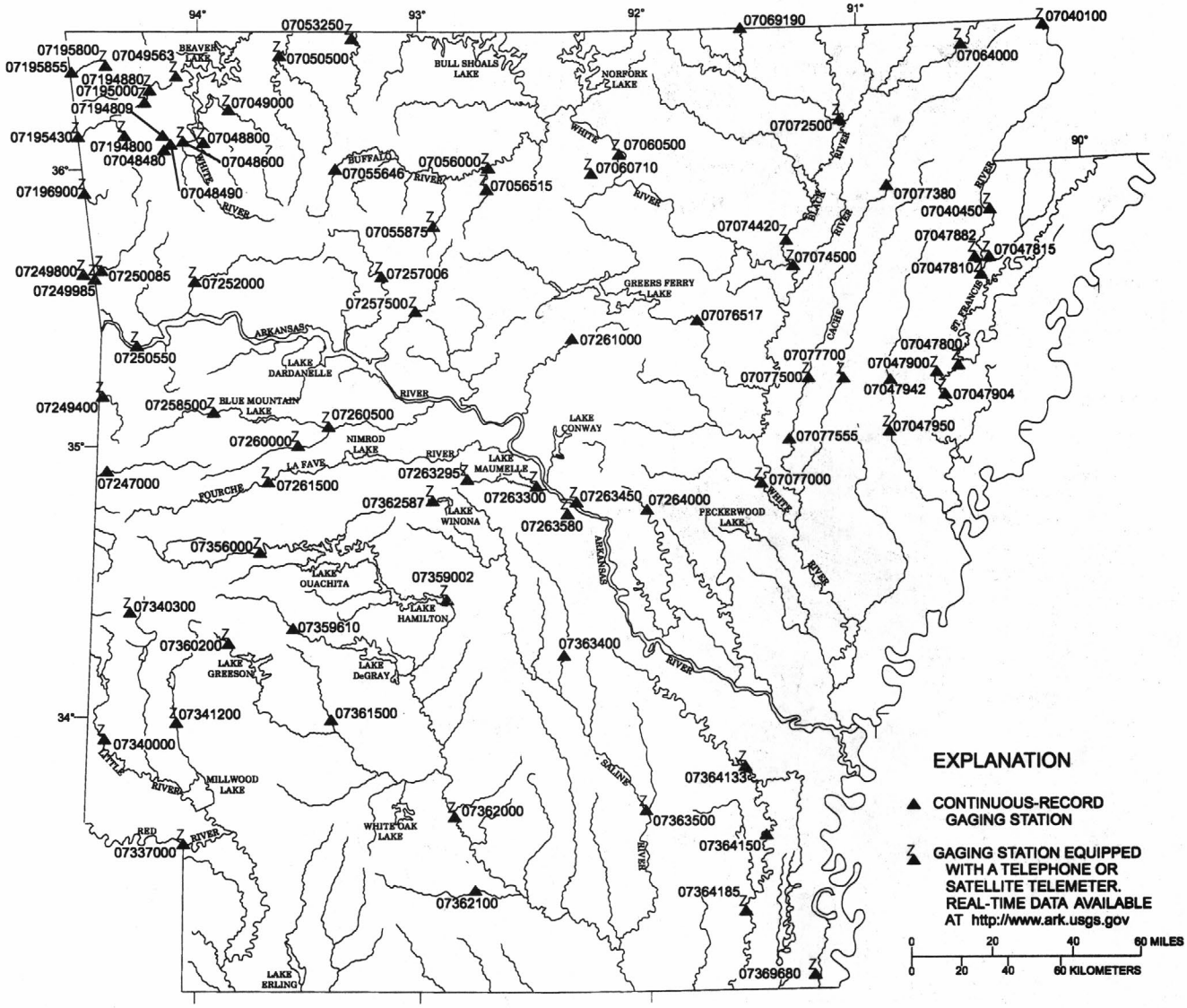


Figure 2.--Locations of continuous-record gaging stations in Arkansas.

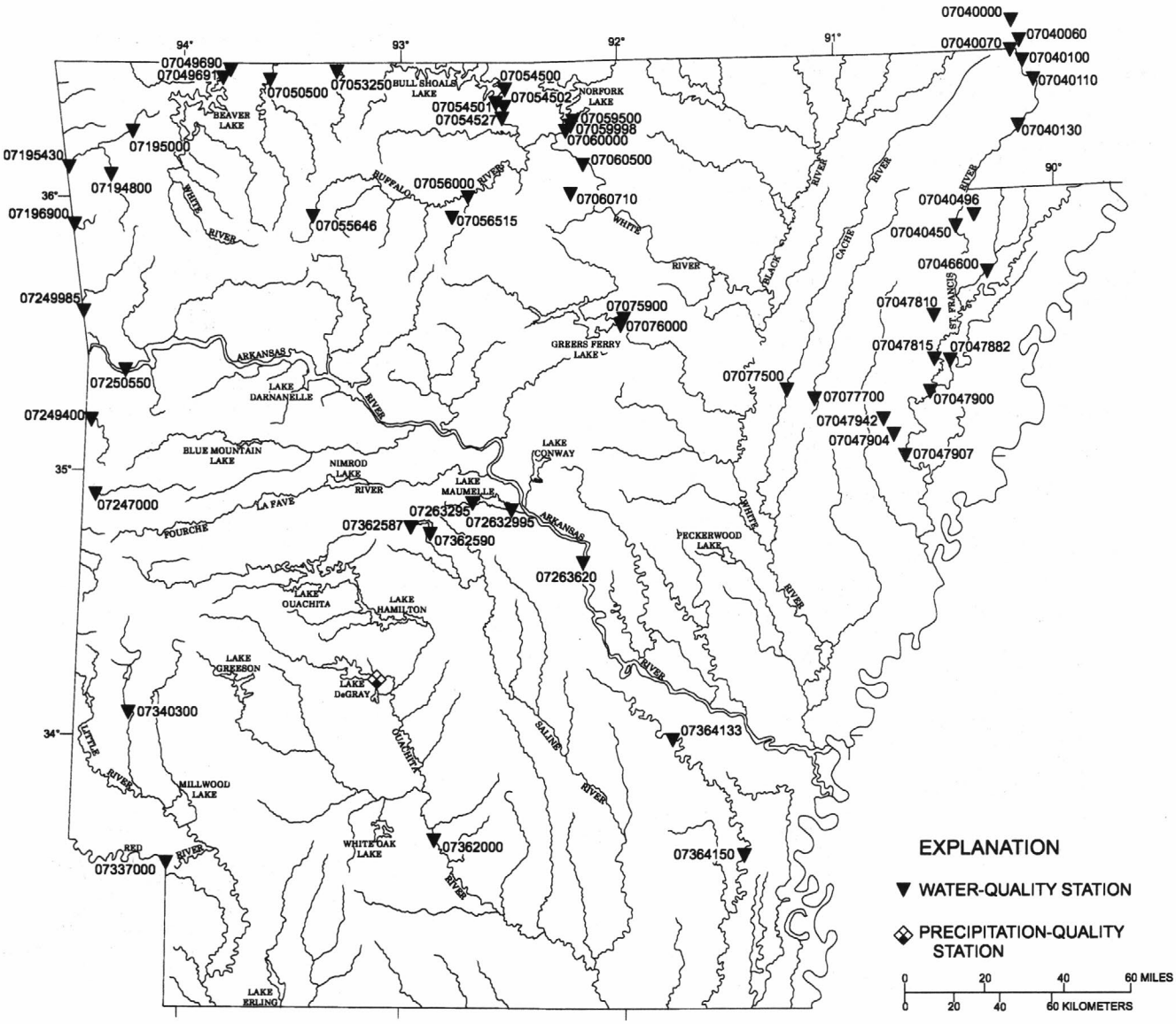


Figure 3.--Locations of water-quality stations in Arkansas.

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 State Highway 51, at Fisk, Missouri.

DRAINAGE AREA.--1,370 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to September 1941 and October 1997 to current year. Daily stages January 1917 to February 1922 and August 1992 to date, daily discharges January 1984 to date, and results of discharge measurements March 1935 to September 1997 in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 307.46 ft above sea level.

REMARKS.--Water-discharge records good except estimated daily discharges which are poor. Some regulation by Wapapello Lake, 36.3 mi upstream, since Aug. 1, 1941, capacity 625,000 acre-ft. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1917, 28.0 ft, from floodmark, Apr. 18, 1927.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e42	189	218	940	291	4600	1100	e85	671	2570	316	e110
2	e42	189	217	927	366	4490	997	e80	670	2300	e220	e100
3	e42	189	221	1280	375	4180	878	e100	669	2050	e190	e95
4	e41	189	225	1630	374	3840	777	e95	633	1800	e170	e90
5	e41	189	225	1370	371	3490	714	e90	540	1520	e160	e90
6	e41	188	222	1490	371	3150	635	e90	434	1350	e160	e110
7	e40	187	340	1560	371	2880	577	e95	301	1250	e180	e100
8	e50	187	536	1560	370	2630	586	e90	e175	1220	e190	e90
9	e120	187	723	1560	370	2390	653	e85	e142	1210	e200	e80
10	220	187	828	1540	370	2110	543	e115	e111	1210	e210	e80
11	418	187	917	1430	366	1820	375	e150	e96	1200	e220	e75
12	432	198	993	1310	371	1570	229	e130	e81	1130	e220	e70
13	321	212	1020	1180	383	1360	178	e95	e81	1100	e220	e65
14	232	213	1210	1050	528	1160	e140	e80	e220	1010	e220	e55
15	221	215	1590	935	511	1030	e135	e80	448	876	e210	e50
16	219	217	1940	900	520	916	e170	e95	476	819	e220	e50
17	219	217	2190	891	530	874	e240	e90	622	727	e200	e50
18	217	214	2240	878	977	806	e210	e80	897	678	e170	e50
19	217	215	2230	768	1930	783	e180	e90	692	662	e140	e55
20	217	217	2220	721	2360	844	e160	e95	1110	562	e130	e50
21	217	217	2200	711	2460	1010	e140	e95	1870	459	e140	e50
22	217	218	2180	648	2520	1300	e130	e80	2230	418	e130	e60
23	216	220	2150	586	2940	1400	e130	e70	2740	412	e140	e90
24	213	220	2040	576	3230	1650	e135	e90	2910	407	e130	e110
25	194	219	2000	573	3240	1790	e140	352	2920	404	e130	e140
26	191	217	1980	566	3250	1820	e150	372	2890	401	e230	e100
27	191	217	1940	482	3480	1730	e145	627	2890	393	e190	e60
28	191	217	1750	373	3950	1610	e125	515	2870	386	e160	e40
29	191	217	1550	264	4370	1310	e105	600	2840	406	e140	e30
30	190	215	1310	205	---	1200	e90	672	2780	400	e130	e30
31	189	---	1030	197	---	1180	---	673	---	388	e120	---
TOTAL	5592	6163	40435	29101	41545	60923	10767	6056	36009	29718	5586	2225
MEAN	180	205	1304	939	1433	1965	359	195	1200	959	180	74.2
MAX	432	220	2240	1630	4370	4600	1100	673	2920	2570	316	140
MIN	40	187	217	197	291	783	90	70	81	386	120	30
AC-FT	11090	12220	80200	57720	82400	120800	21360	12010	71420	58950	11080	4410

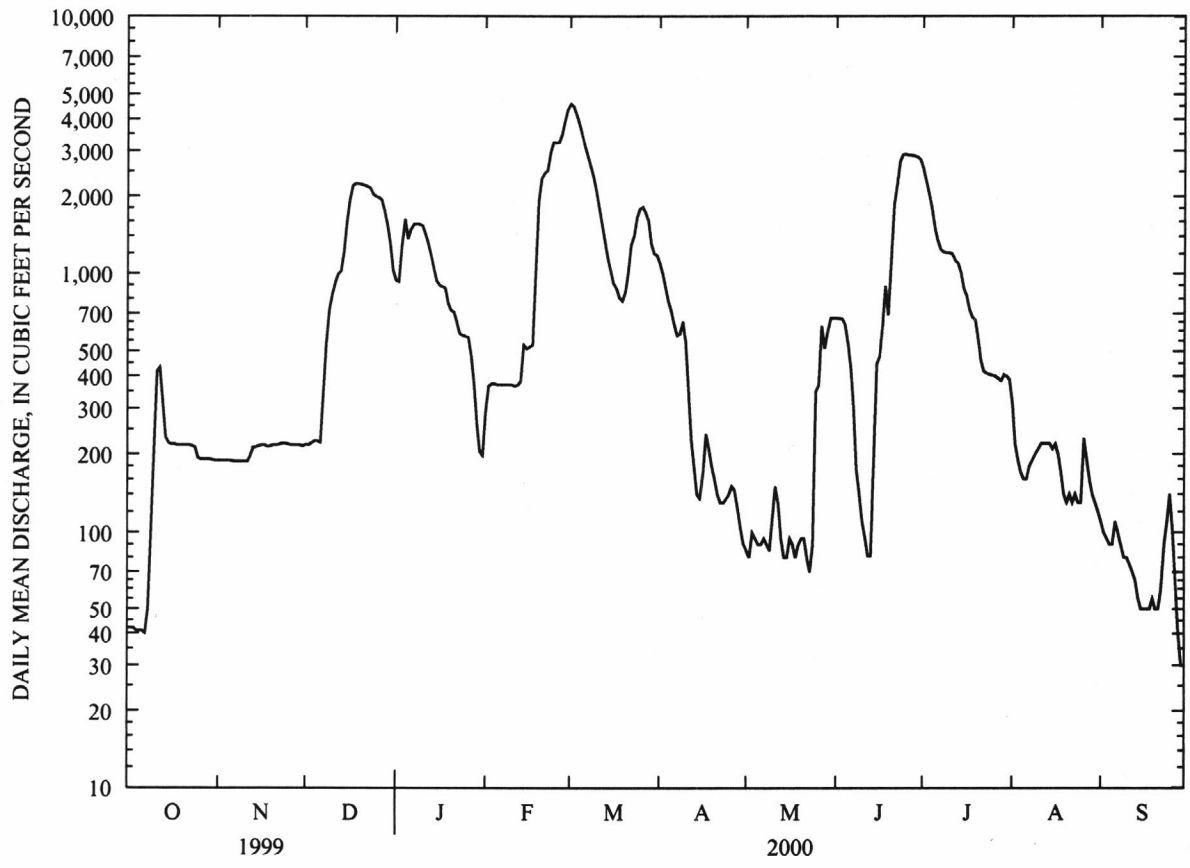
07040000 ST. FRANCIS RIVER AT FISK, MISSOURI--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928-41, 1998-00, BY WATER YEAR (WY)

MEAN	343	587	1210	2492	1866	2304	2640	1985	1397	555	393	243
MAX	1115	1587	3751	7905	4817	5506	5107	7016	8572	1780	2204	668
(WY)	1937	1937	1928	1937	1999	1935	1999	1933	1928	1928	1998	1934
MIN	125	205	243	272	319	328	326	195	148	112	101	58.8
(WY)	1941	2000	1939	1931	1934	1941	1941	2000	1936	1941	1936	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928-41, 1998-00	
ANNUAL TOTAL	637202		274120			
ANNUAL MEAN	1746		749		1332	
HIGHEST ANNUAL MEAN					2240	1929
LOWEST ANNUAL MEAN					437	1941
HIGHEST DAILY MEAN	7300	Apr 19	4600	Mar 1	36000	May 16 1933
LOWEST DAILY MEAN	40	Oct 7	30	Sep 29	8.0	Jul 25 1940
ANNUAL SEVEN-DAY MINIMUM	41	Oct 1	41	Oct 1	16	Jul 20 1940
INSTANTANEOUS PEAK FLOW			4630	Mar 1	49900	Mar 13 1935
INSTANTANEOUS PEAK STAGE			11.95	Mar 1	26.71	Mar 13 1935
INSTANTANEOUS LOW FLOW					5.0	Jul 26 1940
ANNUAL RUNOFF (AC-FT)	1264000		543700		964700	
10 PERCENT EXCEEDS	5110		2160		3260	
50 PERCENT EXCEEDS	542		359		516	
90 PERCENT EXCEEDS	70		88		142	

[e]Estimated



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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT 13...	1135	82913	80513	309	753	--	--	6.5	219
NOV 16...	1430	82913	80513	228	760	75	8.1	7.6	219
DEC 14...	1455	82913	80513	1220	753	88	10.1	7.3	233
JAN 10...	1450	82913	80513	1550	750	112	10.2	7.5	206
FEB 07...	1425	82913	80513	369	764	98	12.7	7.9	205
MAR 06...	1545	82913	80513	3310	760	104	11.1	7.7	132
APR 10...	1500	82913	80513	509	757	98	9.9	7.9	177
MAY 09...	1445	82913	80513	83	750	87	7.4	7.7	213
JUN 05...	1445	82913	80513	546	757	102	8.4	7.7	206
JUL 11...	1015	82913	80513	1300	756	79	6.0	8.0	173
AUG 08...	1035	82913	80513	182	757	78	6.0	7.7	206
SEP 05...	1030	82913	80513	90	760	72	5.8	6.6	228

DATE	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	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 16.0 MM (80172)
OCT 13...	19.5	.18	29	11	39	97	98	100	--
NOV 16...	12.0	.64	22	15	44	97	99	100	--
DEC 14...	8.8	.15	270	9	49	98	100	--	--
JAN 10...	19.0	.18	180	21	64	98	99	100	--
FEB 07...	4.6	.27	27	6	59	99	100	--	--
MAR 06...	12.4	.12	527	42	89	99	99	100	--
APR 10...	14.8	.21	59	2	4	51	97	100	--
MAY 09...	22.4	.27	8.7	3	18	95	99	100	--
JUN 05...	25.0	.09	93	5	32	98	100	--	--
JUL 11...	29.3	.21	246	10	12	38	64	68	100
AUG 08...	28.8	.37	26	17	66	98	100	--	--
SEP 05...	26.4	.27	12	15	34	94	100	--	--

DATE	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT 13...	--	--	--	35	100	--	--	--
NOV 16...	--	--	--	35	97	97	100	--
DEC 14...	--	--	--	82	94	94	100	--
JAN 10...	--	--	--	43	100	--	--	--
FEB 07...	--	--	--	27	95	95	95	100
MAR 06...	--	--	--	59	99	99	100	--
APR 10...	--	--	--	43	100	--	--	--
MAY 09...	--	--	--	39	96	96	96	100
JUN 05...	--	--	--	63	97	98	100	--
JUL 11...	69	70	74	70	98	98	100	--
AUG 08...	--	--	--	53	98	99	100	--
SEP 05...	--	--	--	50	99	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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)
NOV									
16...	1240	82913	80513	205	12.5	.67	22	3	4
DEC									
14...	1335	82913	80513	1910	7.5	.09	1100	12	58
JAN									
10...	1325	82913	80513	1760	20.0	.15	404	8	21
FEB									
08...	0930	82913	80513	538	4.0	.21	57	54	72
MAR									
07...	0930	82913	80513	3370	12.1	.09	1290	18	75
APR									
11...	0920	82913	80513	660	14.8	.18	64	9	60
MAY									
10...	0730	82913	80513	142	18.8	.37	32	25	68
JUN									
06...	0700	82913	80513	565	22.0	.09	108	31	36

DATE	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV									
16...	35	95	100	--	39	96	96	100	--
DEC									
14...	99	99	100	--	213	96	98	99	100
JAN									
10...	78	96	100	--	85	94	94	99	100
FEB									
08...	95	98	100	--	39	95	95	100	--
MAR									
07...	99	100	--	--	142	75	89	100	--
APR									
11...	98	100	--	--	36	81	87	100	--
MAY									
10...	96	97	99	100	83	79	79	86	100
JUN									
06...	69	97	100	--	71	98	98	98	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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)
NOV 16...	1200	82913	80513	227	13.0	.21	31	2	3
DEC 14...	1225	82913	80513	2060	7.5	.06	1460	0	0
JAN 10...	1215	82913	80513	1710	20.0	.15	466	10	27
FEB 07...	1305	82913	80513	522	4.5	.21	51	5	23
MAR 06...	1430	82913	80513	3750	12.8	.09	1340	10	41
APR 10...	1325	82913	80513	835	14.9	.09	124	1	6
MAY 09...	1320	82913	80513	168	22.8	.24	20	8	9
JUN 05...	1335	82913	80513	726	25.5	.09	147	10	19

DATE	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV 16...	64	99	100	50	97	100	--	--	--
DEC 14...	49	99	100	263	88	90	99	99	100
JAN 10...	86	98	100	101	85	91	99	100	--
FEB 07...	86	99	100	36	95	95	97	100	--
MAR 06...	94	99	100	132	81	96	98	100	--
APR 10...	90	99	100	55	98	98	100	--	--
MAY 09...	50	98	100	43	97	97	100	--	--
JUN 05...	92	100	--	75	98	98	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.

DRAINAGE AREA.--1,772 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1977 and October 1997 to current year in reports of Geological Survey. January 1930 to December 1946 in files of U. S. Army Corps of Engineers, Memphis District. January 1946 to December 1963 in reports of Mississippi River Commission. January 1964 to date in reports of Corps of Engineers. Gage-height records since 1916 in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 270.57 ft above sea level. Prior to Aug. 1, 1946, nonrecording gage.

REMARKS.--Water-discharge records good. Some regulation by Wappapello Lake (Missouri), 80 mi upstream, since Aug. 1, 1941, capacity 625,000 acre-ft. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	92	237	1070	414	4400	1430	169	1010	2770	659	181
2	74	95	238	1020	517	4510	1320	174	891	2560	470	178
3	74	90	250	6200	577	4450	1190	185	834	2270	309	181
4	73	87	253	10200	592	4270	1080	171	811	2010	218	172
5	72	86	259	6690	585	4000	992	172	740	1760	193	174
6	74	86	252	3780	572	3710	940	167	630	1550	187	167
7	73	86	248	2520	560	3410	849	204	517	1440	198	189
8	88	86	330	2100	567	3150	877	171	406	1340	223	206
9	166	85	525	1960	559	2920	909	163	313	1270	231	190
10	282	85	976	1870	548	2670	869	293	242	1240	236	169
11	258	85	1070	1850	544	2360	735	306	214	1240	254	157
12	391	91	1710	1740	536	2060	596	211	189	1220	256	157
13	404	191	2550	1590	549	1840	465	163	177	1170	254	152
14	319	227	1950	1440	711	1630	342	159	190	1140	258	144
15	244	226	1720	1310	868	1420	294	150	312	1040	242	138
16	230	230	1790	1210	806	1970	302	195	500	931	249	124
17	229	230	2010	1170	1000	1530	437	150	578	856	235	122
18	223	232	2170	1160	4690	1240	346	151	1910	791	202	121
19	223	233	2190	1120	4650	1390	328	188	1900	740	186	122
20	222	e234	2190	1010	3460	2220	288	185	1280	708	166	124
21	222	e236	2170	955	2970	1860	251	148	1740	837	167	123
22	225	e239	2160	934	2860	1590	239	129	2600	597	167	119
23	221	241	2140	823	2980	1720	238	125	2510	502	173	134
24	219	243	2090	759	3300	1810	238	121	2780	455	166	162
25	220	239	1990	757	3470	1970	239	3060	2840	419	170	203
26	193	238	1970	780	3570	2040	256	5170	2840	405	402	261
27	130	240	1940	747	4440	2030	223	7420	2910	399	321	189
28	100	239	1870	667	4280	1930	205	8080	2990	402	238	131
29	90	236	1710	586	4220	1770	189	4330	2940	596	195	110
30	87	236	1550	460	---	1640	178	2080	2860	1920	177	98
31	85	---	1300	399	---	1560	---	1260	---	936	182	---
TOTAL	5586	5244	43808	58877	55395	75070	16845	35650	40654	35514	7584	4698
MEAN	180	175	1413	1899	1910	2422	562	1150	1355	1146	245	157
MAX	404	243	2550	10200	4690	4510	1430	8080	2990	2770	659	261
MIN	72	85	237	399	414	1240	178	121	177	399	166	98
AC-FT	11080	10400	86890	116800	109900	148900	33410	70710	80640	70440	15040	9320

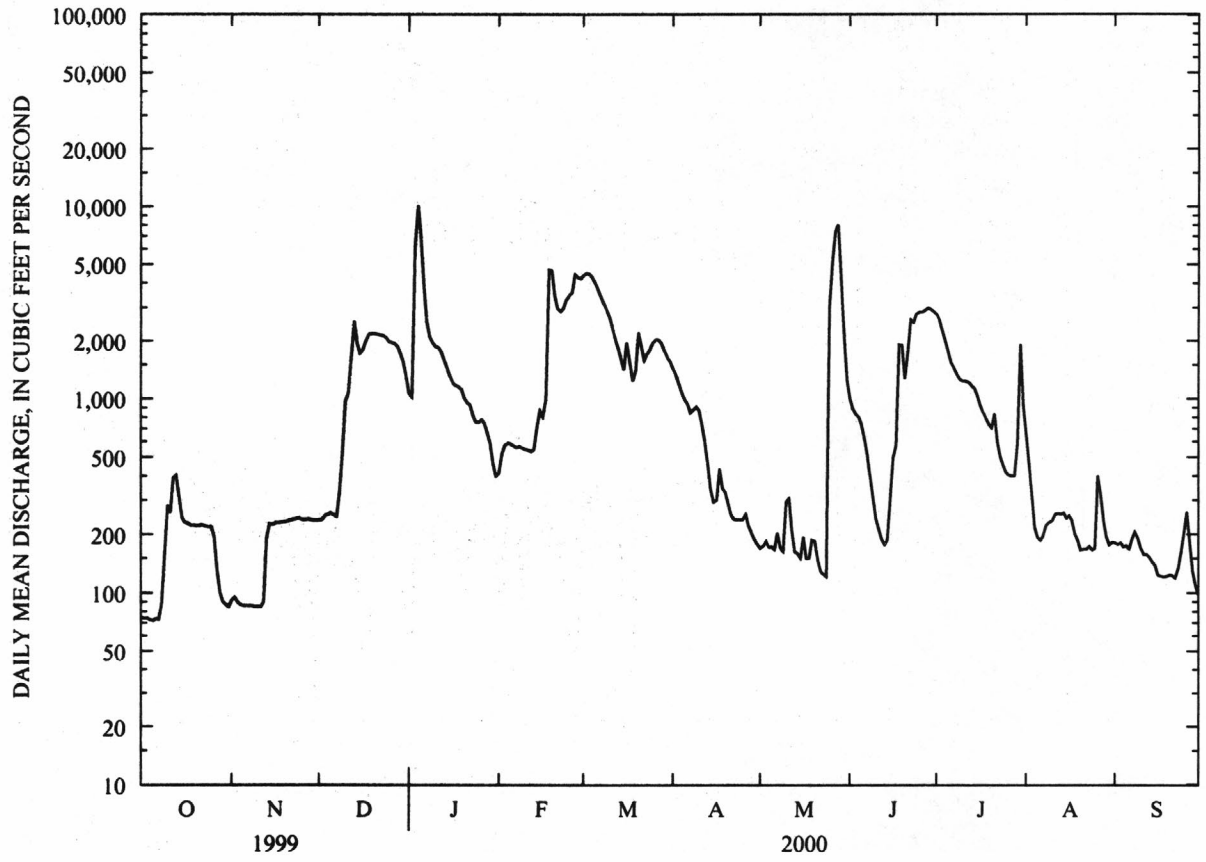
07040100 ST. FRANCIS RIVER AT ST. FRANCIS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-77, 1998-00, BY WATER YEAR (WY)

MEAN	552	1071	1836	3076	3146	3827	4257	3407	1943	1115	603	501
MAX	3754	5428	9014	13660	12300	9556	14680	11680	9294	6467	4514	1929
(WY)	1950	1973	1974	1950	1949	1935	1945	1945	1957	1945	1945	1951
MIN	91.5	77.7	254	306	344	384	473	308	211	194	121	95.9
(WY)	1957	1954	1954	1956	1963	1941	1941	1987	1936	1964	1965	1955

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931-77, 1998-00	
ANNUAL TOTAL	816015		384925			
ANNUAL MEAN	2236		1052		2091	
HIGHEST ANNUAL MEAN					4886	1973
LOWEST ANNUAL MEAN					548	1941
HIGHEST DAILY MEAN	15100	Jan 23	10200	Jan 4	37900	Mar 16 1935
LOWEST DAILY MEAN	72	Oct 5	72	Oct 5	55	Sep 20 1954
ANNUAL SEVEN-DAY MINIMUM	74	Oct 1	74	Oct 1	63	Nov 15 1953
INSTANTANEOUS PEAK FLOW			10800	Jan 4	39200	Mar 15 1935
INSTANTANEOUS PEAK STAGE			22.58	Jan 4	28.20	Mar 15 1935
INSTANTANEOUS LOW FLOW			71	Oct 5	[a]55	Sep 20 1954
ANNUAL RUNOFF (AC-FT)	1619000		763500		1515000	
10 PERCENT EXCEEDS	6490		2800		5630	
50 PERCENT EXCEEDS	925		446		891	
90 PERCENT EXCEEDS	104		130		181	

[a]Minimum instantaneous low flow for the period 1978-96, 48 ft^3/s Oct. 3, 1983
[e]Estimated



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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT 13...	1250	82913	80513	406	755	--	--	6.5	230	20.0	.27
NOV 17...	0715	82913	80513	241	762	69	7.8	7.1	201	10.0	.24
DEC 15...	0815	82913	80513	1790	755	85	10.1	7.1	217	7.3	.06
JAN 11...	0705	82913	80513	1700	758	108	10.0	7.3	201	19.0	.18
FEB 07...	1205	82913	80513	572	765	97	12.7	7.8	232	4.3	.18
MAR 06...	1315	82913	80513	4020	768	94	10.1	7.7	130	12.6	.09
APR 10...	1225	82913	80513	844	760	84	8.5	8.0	172	14.6	.18
MAY 09...	1150	82913	80513	160	752	93	7.9	7.6	297	22.7	.24
JUN 05...	1235	82913	80513	710	758	98	8.0	7.7	210	25.2	.09
JUL 11...	1205	82913	80513	1220	757	98	7.4	8.0	219	29.3	.18
AUG 08...	1225	82913	80513	236	760	100	7.5	7.7	266	30.0	.21
SEP 05...	1155	82913	80513	170	762	81	6.7	7.0	497	24.8	.21

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT 13...	83	12	55	97	99	100	76	99	100	--	--
NOV 17...	27	7	22	92	99	100	41	100	--	--	--
DEC 15...	783	16	46	98	100	--	162	95	99	100	--
JAN 11...	528	4	49	98	100	--	115	91	93	99	100
FEB 07...	54	56	77	99	100	--	35	99	99	100	--
MAR 06...	1700	12	66	99	100	--	157	84	94	98	100
APR 10...	392	14	63	99	100	--	172	73	98	100	--
MAY 09...	25	18	66	97	100	--	58	97	97	97	100
JUN 05...	165	1	3	79	100	--	86	99	99	100	--
JUL 11...	346	12	53	97	100	--	105	98	99	100	--
AUG 08...	50	29	66	96	98	100	78	96	96	100	--
SEP 05...	37	30	65	97	100	--	80	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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	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)
NOV										
16...	1105	82913	80513	209	12.5	.27	27	13	14	76
DEC										
14...	1105	82913	80513	1860	7.5	.06	1150	1	2	90
JAN										
10...	1100	82913	80513	1760	20.0	.12	475	1	2	52
FEB										
07...	1115	82913	80513	511	4.3	.21	54	0	1	66
MAR										
06...	1125	82913	80513	3660	12.3	.06	1460	0	1	70
06...	1200	82913	80513	44	12.5	.09	6.5	84	89	97
APR										
10...	1125	82913	80513	801	15.2	.12	180	1	2	63
MAY										
09...	1050	82913	80513	175	22.6	.27	34	5	6	67
JUN										
05...	1115	82913	80513	738	25.9	.09	141	1	2	48

DATE	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SAMPLE SOURCE (72005)
NOV									
16...	98	100	--	48	99	99	99	100	--
DEC									
14...	99	100	--	228	97	98	100	--	--
JAN									
10...	95	98	100	100	95	97	100	--	--
FEB									
07...	98	100	--	39	98	98	98	100	--
MAR									
06...	99	100	--	148	81	92	99	100	67
06...	99	100	--	55	95	95	100	--	68
APR									
10...	98	100	--	83	99	99	99	100	--
MAY									
09...	98	100	--	71	98	98	100	--	--
JUN									
05...	91	100	--	71	99	99	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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	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											
17...	0815	82913	80513	11.5	.27	10	22	84	98	100	--
DEC											
15...	0930	82913	80513	7.3	.09	31	45	85	97	98	100
JAN											
11...	0800	82913	80513	19.0	.12	28	39	86	98	100	--
11...	0830	82913	80513	19.0	.12	27	41	88	99	100	--
FEB											
08...	1150	82913	80513	5.0	.21	21	35	84	97	100	--
MAR											
07...	1100	82913	80513	12.5	.12	1	3	11	14	15	--
07...	1140	82913	80513	12.7	.15	3	9	35	43	45	--
APR											
11...	1045	82913	80513	14.8	.12	9	25	90	100	--	--
MAY											
10...	0925	82913	80513	21.7	.21	18	32	85	99	100	--
JUN											
06...	0845	82913	80513	24.2	.12	69	80	91	96	99	100
06...	0920	82913	80513	24.6	.06	23	37	88	99	100	--

DATE	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SAMPLE SOURCE (72005)
NOV											
17...	--	--	--	--	--	58	98	98	98	100	--
DEC											
15...	--	--	--	--	--	173	97	99	99	100	--
JAN											
11...	--	--	--	--	--	79	99	100	--	--	67
11...	--	--	--	--	--	89	100	--	--	--	68
FEB											
08...	--	--	--	--	--	36	96	96	98	100	--
MAR											
07...	39	15	100	15	16	127	97	99	99	100	67
07...	100	46	--	49	54	80	96	99	99	100	68
APR											
11...	--	--	--	--	--	62	99	99	99	100	--
MAY											
10...	--	--	--	--	--	99	97	97	97	100	--
JUN											
06...	--	--	--	--	--	98	71	79	93	100	67
06...	--	--	--	--	--	123	92	95	100	--	68

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1977, October to November 1997, September 1999 to current year. January 1931 to December 1945 in files of Corps of Engineers. January 1946 to December 1963 in reports of Mississippi River Commission. January 1964 to November 1997 and September 1999 to date in reports of Corps of Engineers. Gage-height records 1916 to November 1997 and September 1999 to date in files of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 217.69 ft above sea level. Prior to Sept. 1, 1948, non-recording gage at railroad bridge 0.1 mi downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation by Wappapello Lake (Missouri) 135 mi upstream since Apr. 1, 1941, capacity, 625,000 acre-feet.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1916, 14.4 ft April 3, 1979.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	146	223	2320	806	5030	2470	577	11500	3130	670	272
2	43	139	222	2350	777	4940	2440	564	10100	3100	676	263
3	42	124	227	3990	733	5250	2340	586	7730	3060	716	257
4	40	107	237	5370	693	5540	2170	592	5330	3010	769	237
5	40	93	254	5030	658	5660	1990	604	3590	2930	839	221
6	41	89	258	4870	635	5720	1800	601	2440	2840	812	215
7	39	93	256	4550	632	5780	1620	572	1710	2700	701	208
8	43	98	252	5160	641	5690	1440	531	1260	2490	574	209
9	586	94	253	6880	647	5490	1270	513	1030	2240	460	215
10	639	88	286	7350	646	5160	1100	691	925	1990	400	221
11	478	91	329	6430	653	4750	1110	670	857	1730	364	221
12	360	93	946	4980	661	4340	1230	651	802	1520	336	228
13	271	94	2420	3910	662	4000	1110	768	729	1370	323	230
14	220	90	3540	3180	666	3700	1030	713	660	1230	318	224
15	197	89	2980	2740	666	3430	972	625	697	1120	315	206
16	197	91	2310	2480	660	3910	902	570	723	1060	317	184
17	204	100	1780	2300	677	4410	834	524	688	1020	317	170
18	205	115	1490	2130	805	4080	778	484	712	987	320	165
19	196	132	1470	1950	1200	4830	735	463	1080	946	319	157
20	189	152	1570	1750	1870	5160	686	483	1540	935	311	145
21	183	170	1690	1550	2110	4590	648	506	1880	1010	300	136
22	176	183	1810	1420	2180	3890	620	481	1850	987	282	131
23	172	194	1960	1320	2900	3120	593	456	1870	921	256	125
24	167	203	2120	1230	3900	2630	979	441	1900	846	256	152
25	165	212	2240	1120	4280	2510	1210	449	1810	785	303	286
26	166	215	2330	1040	4550	2430	943	602	1820	727	360	283
27	169	214	2380	975	5440	2290	786	2410	2580	678	351	235
28	173	217	2400	920	5320	2190	698	8180	2670	630	317	205
29	173	224	2410	888	5320	2190	645	10500	2920	591	297	192
30	170	226	2400	860	---	2320	608	10200	3120	649	295	187
31	157	---	2360	825	---	2450	---	11200	---	674	288	---
TOTAL	5945	4176	45403	91868	51388	127480	35757	57207	76523	47906	13162	6180
MEAN	192	139	1465	2963	1772	4112	1192	1845	2551	1545	425	206
MAX	639	226	3540	7350	5440	5780	2470	11200	11500	3130	839	286
MIN	39	88	222	825	632	2190	593	441	660	591	256	125
AC-FT	11790	8280	90060	182200	101900	252900	70920	113500	151800	95020	26110	12260

07040450 ST. FRANCIS RIVER AT LAKE CITY--CONTINUED

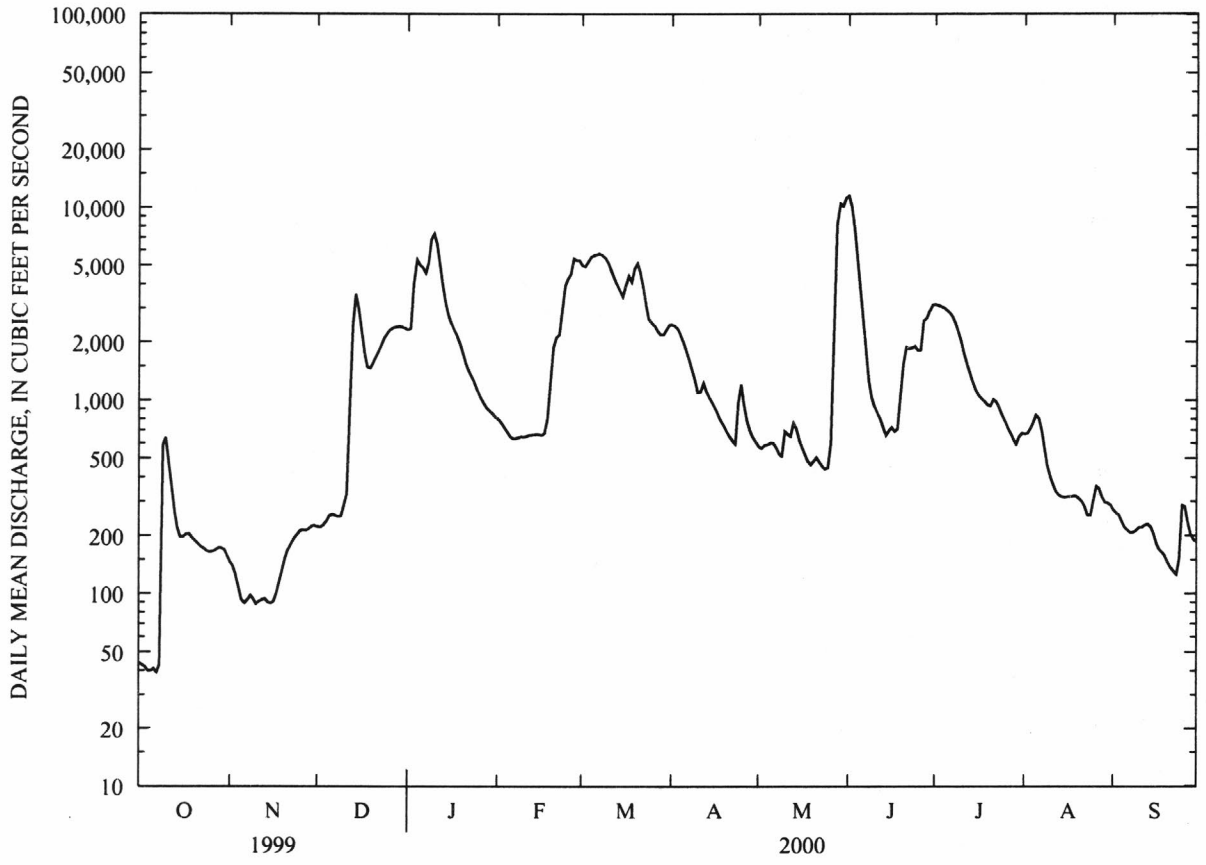
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-77, 1999-00, BY WATER YEAR (WY)

MEAN	753	1500	2386	4298	4561	5225	5639	4669	2748	1611	885	726
MAX	5125	9582	11010	18200	17270	10710	18160	14440	13370	7720	5303	2494
(WY)	1950	1958	1952	1950	1950	1975	1945	1973	1945	1957	1945	1965
MIN	111	114	227	496	553	836	831	671	202	187	109	126
(WY)	1954	1954	1954	1944	1977	1941	1941	1941	1932	1934	1936	1941

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1931-77, 1999-00	
ANNUAL TOTAL	562995			
ANNUAL MEAN	1538		2940	
HIGHEST ANNUAL MEAN			6937	1973
LOWEST ANNUAL MEAN			782	1941
HIGHEST DAILY MEAN	11500	Jun 1	36700	Jan 22 1937
LOWEST DAILY MEAN	39	Oct 7	39	Oct 7 1999
ANNUAL SEVEN-DAY MINIMUM	41	Oct 2	41	Oct 2 1999
INSTANTANEOUS PEAK FLOW	11700	Jun 1	[a]36700	Jan 22-24 1937
INSTANTANEOUS PEAK STAGE	8.38	Jun 1	[b]13.3	Jan 22-24 1937
INSTANTANEOUS LOW FLOW	37	Oct 8	37	Oct 8 1999
ANNUAL RUNOFF (AC-FT)	1117000		2130000	
10 PERCENT EXCEEDS	4360		7500	
50 PERCENT EXCEEDS	712		1420	
90 PERCENT EXCEEDS	165		280	

[a]Maximum discharge for period of record, 42,700 ft^3/s Apr. 3, 1979

[b]Maximum gage height for period of record, 14.37 ft, Apr.3, 1979



07040450 ST. FRANCIS RIVER AT LAKE CITY--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT										
13...	1450	82913	80513	266	760	--	--	6.4	266	22.0
NOV										
17...	1015	82913	80513	97	765	69	7.4	7.4	199	12.5
DEC										
15...	1110	82913	80513	1480	760	76	9.1	6.8	116	7.5
JAN										
11...	1215	82913	80513	1400	760	102	9.2	7.1	107	20.0
11...	1255	82913	80513	5000	760	95	8.6	7.0	112	20.0
FEB										
08...	1425	82913	80513	632	769	88	11.0	7.8	257	6.3
MAR										
07...	1415	82913	80513	1760	764	88	9.1	7.6	144	14.0
07...	1450	82913	80513	4420	764	82	8.5	7.6	150	14.0
APR										
11...	1225	82913	80513	1000	767	71	7.1	7.5	203	15.8
MAY										
10...	1430	82913	80513	714	760	93	7.8	7.2	184	24.2
JUN										
06...	1240	82913	80513	1440	767	66	5.8	7.1	154	21.9
06...	1315	82913	80513	1060	767	68	6.0	7.0	171	22.1
JUL										
11...	1415	82913	80513	1590	758	80	6.1	8.0	247	28.9
AUG										
09...	0625	82913	80513	458	760	67	5.1	7.5	345	29.3
SEP										
05...	1435	82913	80513	226	762	69	5.5	7.2	361	27.2

DATE	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	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)
OCT									
13...	.21	57	9	16	58	94	100	--	--
NOV									
17...	.37	17	15	34	74	97	100	--	--
DEC									
15...	.09	420	8	19	71	96	99	--	99
JAN									
11...	.09	423	14	24	65	96	100	--	--
11...	.12	1430	30	52	83	96	100	--	--
FEB									
08...	.12	77	54	67	83	97	100	--	--
MAR									
07...	.12	228	12	22	67	95	98	--	99
07...	.18	561	19	30	67	91	95	--	95
APR									
11...	.15	151	38	59	81	95	100	--	--
MAY									
10...	.09	657	65	69	85	98	100	--	--
JUN									
06...	.12	323	26	36	73	96	100	--	--
06...	.15	223	25	55	91	97	99	100	--
JUL									
11...	.21	240	2	2	60	98	100	--	--
AUG									
09...	.24	87	24	37	69	92	95	--	98
SEP									
05...	.27	47	11	29	70	90	94	--	96

DATE	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SAMPLE SOURCE (72005)
OCT									
13...	--	--	79	99	99	100	--	--	--
NOV									
17...	--	--	65	98	98	99	100	--	--
DEC									
15...	100	--	105	98	98	98	100	--	--
JAN									
11...	--	--	112	98	98	99	100	--	67
11...	--	--	106	98	98	100	--	--	68
FEB									
08...	--	--	45	95	95	95	95	100	--
MAR									
07...	100	--	48	95	95	99	100	--	67
07...	96	100	47	92	92	92	100	--	68
APR									
11...	--	--	56	96	96	100	--	--	--
MAY									
10...	--	--	341	100	--	--	--	--	--
JUN									
06...	--	--	83	98	100	--	--	--	67
06...	--	--	78	97	97	100	--	--	68
JUL									
11...	--	--	56	98	98	99	100	--	--
AUG									
09...	100	--	70	98	98	100	--	--	--
SEP									
05...	100	--	77	98	98	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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT 14...	0730	82913	80513	474	760	--	--	6.4	233
NOV 17...	1120	82913	80513	104	765	74	7.5	7.9	210
DEC 15...	1235	82913	80513	8210	760	79	9.6	6.8	164
JAN 11...	1050	82913	80513	6450	760	93	8.6	7.0	117
FEB 08...	1320	82913	80513	638	770	94	11.8	7.6	322
MAR 07...	1305	82913	80513	1490	764	94	9.6	7.4	257
APR 11...	1325	82913	80513	987	763	81	8.2	7.8	371
MAY 10...	1150	82913	80513	893	760	103	8.7	7.9	435
JUN 06...	1115	82913	80513	3780	766	58	5.0	6.9	147
JUL 12...	0645	82913	80513	1010	758	93	6.9	7.9	359
AUG 09...	0745	82913	80513	507	760	86	6.5	7.6	349
SEP 06...	0640	82913	80513	243	762	59	4.7	7.7	440

DATE	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	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 14...	20.0	.64	52	4	8	70	97	100
NOV 17...	14.8	.40	15	8	29	84	98	100
DEC 15...	6.9	.09	8910	10	27	92	97	100
JAN 11...	19.0	.09	3950	4	9	49	84	100
FEB 08...	6.0	.09	208	21	60	98	98	100
MAR 07...	14.5	.21	579	9	24	84	99	100
APR 11...	15.0	.49	376	30	57	86	93	98
MAY 10...	23.4	.76	244	5	23	91	100	--
JUN 06...	23.1	.06	1390	8	53	97	100	--
JUL 12...	30.9	.37	210	13	38	90	98	100
AUG 09...	30.0	.46	105	18	35	82	97	100
SEP 06...	27.2	.46	62	5	13	39	54	55

DATE	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT 14...	--	--	--	41	100	--	--	--
NOV 17...	--	--	--	54	95	100	--	--
DEC 15...	--	--	--	402	93	96	99	100
JAN 11...	--	--	--	227	95	97	99	100
FEB 08...	--	--	--	121	98	98	100	--
MAR 07...	--	--	--	144	99	99	100	--
APR 11...	98	100	--	141	89	96	98	100
MAY 10...	--	--	--	101	98	98	100	--
JUN 06...	--	--	--	136	98	99	99	100
JUL 12...	--	--	--	77	99	99	99	100
AUG 09...	--	--	--	77	98	99	100	--
SEP 06...	55	62	100	95	98	98	98	100

07047800 ST. FRANCIS RIVER AT PARKIN

LOCATION.--Lat 35°16'23", long 90°33'33", in NE1/4SE1/4 sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0.

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

PERIOD OF RECORD.--October 1965 to September 1994 and October 1997 to current year in reports of Geological Survey. January 1930 to date in reports of Mississippi River Commission. Gage-height records since December 1892 in reports of Mississippi River Commission and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 175.30 ft above sea level. Prior to Sept. 11, 1948, nonrecording gage, and Sept. 11, 1948 to Apr. 24, 1968, water-stage recorder at site 1.8 mi downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 4.0 mi northwest of Marked Tree, and is not included in records for this station. Diverted flow is included in records for St. Francis Bay at Riverfront and returns to the St. Francis River below Marianna (see station 07047900). Some regulation by Wappapello Lake (Missouri), 207 mi upstream since Apr. 1, 1941, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

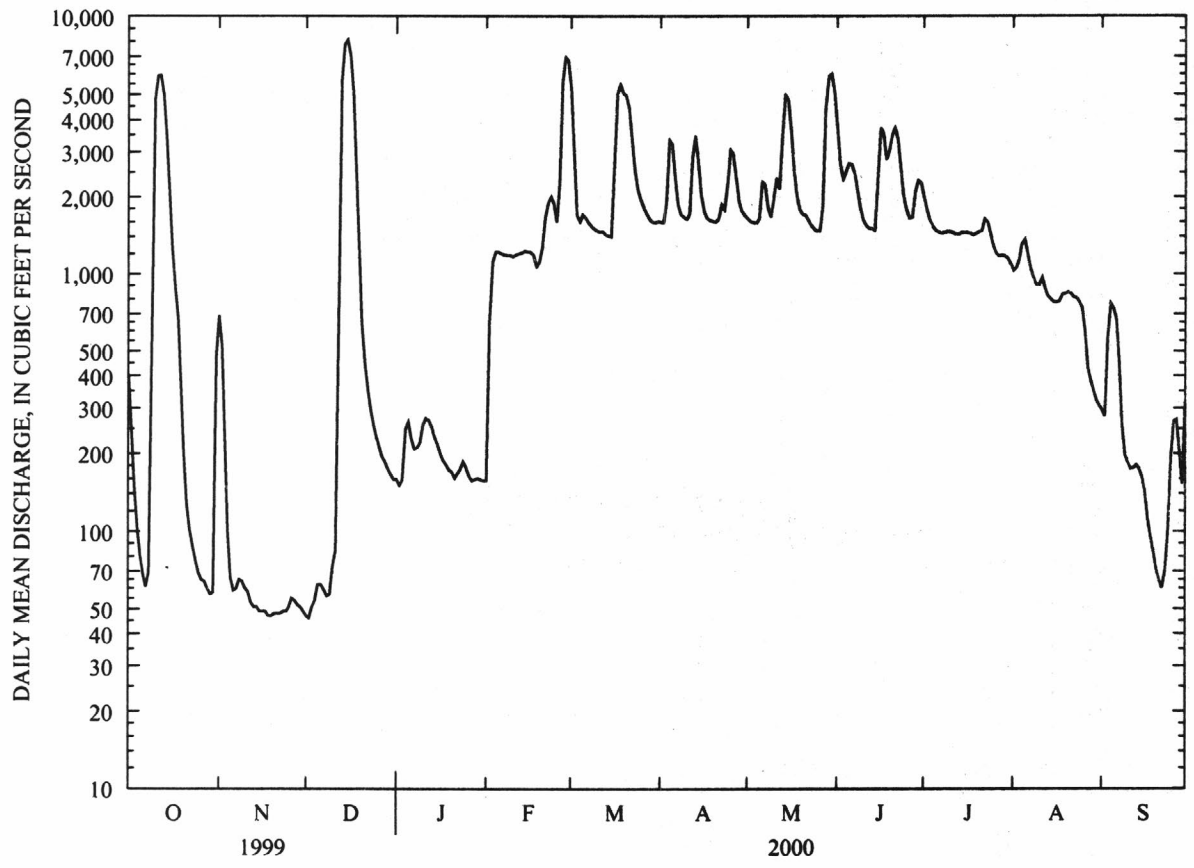
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	405	690	47	159	157	5270	1600	1650	3710	2020	1030	252
2	242	523	46	151	654	3220	1590	1610	2690	1780	1060	228
3	149	223	51	159	1120	1690	1920	1590	2350	1620	1140	489
4	104	100	54	249	1220	1600	3340	1580	2530	1530	1320	672
5	81	66	62	265	1220	1710	3200	1650	2700	1480	1370	635
6	69	59	62	229	1200	1660	2370	2290	2680	1460	1200	575
7	61	60	59	209	1190	1590	1860	2240	2460	1440	1050	371
8	69	65	56	211	1180	1540	1710	1830	2120	1450	970	191
9	1680	64	57	221	1180	1510	1670	1670	1800	1460	908	141
10	4800	60	73	258	1170	1480	1640	1980	1620	1460	908	133
11	5910	58	85	274	1190	1460	1720	2380	1550	1450	971	127
12	5930	53	1250	270	1200	1460	2850	2150	1510	1430	882	130
13	4990	51	5660	254	1210	1430	3480	3520	1500	1430	822	136
14	3400	51	7840	232	1230	1410	2770	4990	1480	1450	801	134
15	1980	49	8140	217	1220	1400	2050	4780	2470	1450	780	126
16	1240	49	7100	201	1220	2550	1750	3670	3730	1450	776	112
17	884	49	5060	189	1180	5040	1650	2570	3530	1440	786	88
18	671	47	2730	182	1070	5480	1620	2020	2800	1420	833	75
19	401	47	1200	174	1120	5070	1610	1790	3040	1440	842	65
20	196	48	634	170	1270	4970	1600	1710	3500	1460	853	57
21	128	48	455	161	1660	4470	1650	1700	3710	1480	845	51
22	102	48	360	168	1900	3480	1870	1620	3370	1640	812	49
23	87	49	300	175	2010	2580	1780	1550	2560	1600	810	58
24	77	49	261	186	1890	2160	2230	1500	2010	1440	778	86
25	69	51	233	177	1600	1970	3060	1470	1780	1290	739	171
26	65	55	213	164	2270	1840	2950	1470	1650	1200	596	244
27	64	54	195	157	5590	1730	2350	1840	1660	1170	421	246
28	60	52	186	159	6960	1650	1930	4370	2110	1180	367	187
29	57	51	175	161	6730	1600	1760	5870	2320	1170	326	134
30	58	49	166	159	---	1590	1690	6010	2270	1150	290	294
31	475	---	159	157	---	1610	---	5100	---	1090	268	---
TOTAL	34504	2918	42969	6098	52811	76220	63270	80170	73210	44530	25554	6257
MEAN	1113	97.3	1386	197	1821	2459	2109	2586	2440	1436	824	209
MAX	5930	690	8140	274	6960	5480	3480	6010	3730	2020	1370	672
MIN	57	47	46	151	157	1400	1590	1470	1480	1090	268	49
AC-FT	68440	5790	85230	12100	104800	151200	125500	159000	145200	88330	50690	12410

07047800 ST. FRANCIS RIVER AT PARKIN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-94, 1998-00, BY WATER YEAR (WY)

MEAN	1158	1661	2300	3326	4103	3947	4043	3510	2727	2078	1537	1257
MAX	3898	6532	6635	14140	18100	9627	14360	12900	8172	4038	3998	3920
(WY)	1946	1958	1932	1932	1932	1932	1933	1933	1933	1945	1998	1950
MIN	155	97.3	201	197	382	928	1080	1054	685	879	376	209
(WY)	1988	2000	1990	2000	1964	1954	1954	1977	1977	1941	1990	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931-94, 1998-00	
ANNUAL TOTAL	628024		508511			
ANNUAL MEAN	1721		1389		2638	
HIGHEST ANNUAL MEAN					6511	1933
LOWEST ANNUAL MEAN					1145	1977
HIGHEST DAILY MEAN	8790	Jan 25	8140	Dec 15	21600	Jan 31 1932
LOWEST DAILY MEAN	46	Dec 2	46	Dec 2	42	Nov 8 1987
ANNUAL SEVEN-DAY MINIMUM	48	Nov 16	48	Nov 16	48	Nov 16 1999
INSTANTANEOUS PEAK FLOW			8260	Dec 15	25300	Jan 31 1930
INSTANTANEOUS PEAK STAGE			18.68	Dec 15	34.20	Feb 4 1937
INSTANTANEOUS LOW FLOW			44	Dec 2	44	Dec 2 1999
ANNUAL RUNOFF (AC-FT)	1246000		1009000		1911000	
10 PERCENT EXCEEDS	3980		3260		5520	
50 PERCENT EXCEEDS	1530		1200		1910	
90 PERCENT EXCEEDS	62		60		492	



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., Poincett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63 3.6 mi west of Marked Tree.

DRAINAGE AREA.--Not determined

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1931, July 1934 to September 1970, October 1990 to current year. Results of discharge measurements April 1973 to March 1977 and daily stages and flows February 1977 to date in reports of U.S. Army Corps of Engineers. Prior to October 1, 1965 published as "07047000 St. Francis River Floodway near Marked Tree (Dam)".

GAGE.--Water-stage recorder. Datum of gage is 188.83 ft above sea level. Prior to October 1, 1965 non-recording gage 4.8 mi upstream at datum 3.25 ft higher. Prior to February 1977 non-recording gage at present site and datum.

REMARKS.--Water-discharge records good, except estimated daily discharges which are poor. Flow diverted from St. Francis River bypasses Marked Tree and returns to St. Francis River below Parkin. Some regulation by Wappapello Lake (Missouri) since April 1, 1941 (capacity, 625,000 acre-ft). Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35	e90	e265	2210	1250	9930	1900	349	12200	3570	e980	e300
2	e35	e100	e270	2210	1750	9960	1280	332	13400	2900	e980	e150
3	e30	e180	e270	2260	2140	8870	3730	416	14500	2540	e870	e110
4	e30	e270	e270	3860	1370	7480	3140	411	14700	2850	e450	e85
5	e30	e90	e270	5980	846	5140	2850	584	13600	2900	e630	e50
6	e25	e90	e280	6850	809	4750	1880	763	12100	2350	e930	e30
7	e25	e95	e290	8230	638	5030	1690	537	10500	2060	e880	e70
8	e70	e95	e300	9860	221	4940	1910	454	8040	2450	e540	e260
9	e180	e95	e320	11200	134	4340	1930	375	4520	2630	490	e300
10	e90	e100	e340	12100	151	4480	1610	534	3340	2270	e370	e300
11	e50	e110	e380	12500	157	4590	1640	726	2350	2170	e300	280
12	e200	e120	e1400	11800	245	4420	1610	982	2310	1810	e200	269
13	e70	e125	e3300	10400	329	3850	1710	1310	1830	1350	e170	294
14	e50	e130	4560	8740	301	3590	1690	2860	1570	1200	e130	280
15	e50	e135	5650	7400	302	3420	1470	2600	1620	1100	e100	319
16	e55	e140	6140	6380	755	3720	1330	1340	1980	1090	e100	359
17	e60	e140	6580	5640	1830	6220	940	897	2440	812	e100	357
18	e65	e135	6550	4780	1160	7840	1260	246	2780	559	e85	322
19	e70	e140	5920	3590	2590	7990	2040	378	3080	690	e60	401
20	e90	e145	5240	3330	4020	7690	1240	490	3720	669	e30	373
21	e100	e150	3850	2560	4990	7890	350	401	4290	930	e60	215
22	e120	e150	e3000	2610	7530	8380	1090	519	5330	e1100	e70	88
23	e130	e155	e2200	2660	4880	8490	1160	374	3900	e1300	e60	114
24	e160	e160	e1900	2730	3370	7910	1070	219	3640	e1000	e30	159
25	e175	e170	e1800	2800	3780	5790	1400	215	2240	e1000	e70	182
26	e180	e175	e1900	2790	5150	4200	2230	134	2380	e820	e130	219
27	e200	e175	2100	2720	7450	3140	2090	2170	2260	e820	e260	275
28	e220	e180	2170	2710	8620	2740	1280	6300	2610	e630	e330	277
29	e190	e190	2180	2640	9330	1730	669	7500	3100	e300	e450	154
30	e160	e225	2190	2570	---	2710	745	9070	3490	e450	e410	97
31	e100	---	2190	2260	---	2740	---	10900	---	e780	e300	---
TOTAL	3045	4255	74075	168370	76098	173970	48934	54386	163820	47100	10565	6689
MEAN	98.2	142	2390	5431	2624	5612	1631	1754	5461	1519	341	223
MAX	220	270	6580	12500	9330	9960	3730	10900	14700	3570	980	401
MIN	25	90	265	2210	134	1730	350	134	1570	300	30	30
AC-FT	6040	8440	146900	334000	150900	345100	97060	107900	324900	93420	20960	13270

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-70, 1991-00, BY WATER YEAR (WY)

MEAN	837	1811	4051	6852	7929	8316	8849	6778	4367	2128	1064	606
MAX	5933	19780	17470	31060	30990	22970	30180	20530	23550	12630	12880	3970
(WY)	1950	1958	1952	1950	1950	1997	1945	1945	1957	1957	1998	1965
MIN	.000	.000	.000	39.1	190	225	441	.39	.000	.000	.000	.000
(WY)	1935	1944	1944	1944	1936	1941	1941	1941	1941	1941	1936	1935

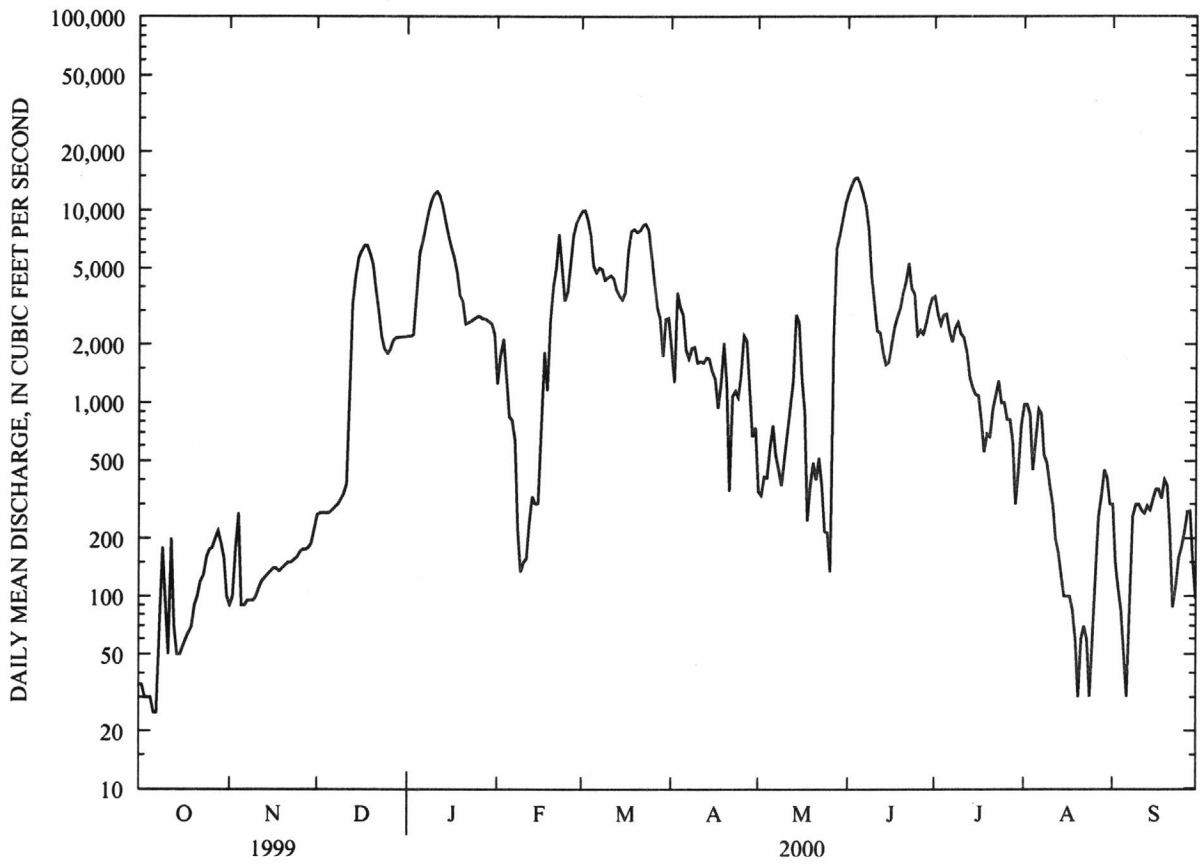
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1935-70,1991-00	
ANNUAL TOTAL	1710546		831307			
ANNUAL MEAN	4686		2271		4446	
HIGHEST ANNUAL MEAN					10390	1950
LOWEST ANNUAL MEAN					258	1941
HIGHEST DAILY MEAN	30800	Jan 31	14700	Jun 4	48300	Jan 27 1937
LOWEST DAILY MEAN	25	Oct 6	25	Oct 6	[a].00	Oct 1 1934
ANNUAL SEVEN-DAY MINIMUM	30	Oct 1	30	Oct 1	.00	Oct 1 1934
INSTANTANEOUS PEAK FLOW			15400	Jun 4	[b]48300	Jan 26-28 1937
INSTANTANEOUS PEAK STAGE			19.91	Jun 4	[c]31.10	Jan 26-28 1937
ANNUAL RUNOFF (AC-FT)	3393000		1649000		3221000	
10 PERCENT EXCEEDS	10600		6660		12100	
50 PERCENT EXCEEDS	2900		1000		2020	
90 PERCENT EXCEEDS	60		95		.00	

[a]No flow at times in most years prior to 1965

[b]Maximum discharge for the period of record, 67,000 ft^3/s Apr. 7, 1979

[c]At former site and datum

[e]Estimated



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

WATER-QUALITY RECORDS

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, 2,340 mg/L, March 7, 1997; minimum daily mean, 16 mg/L, December 14-18, 1995.

SEDIMENT DISCHARGE: Maximum daily, 229,000 tons, March 7, 1997; minimum daily, 5.5 tons, September 6, 1999.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 785 mg/L, January 5; minimum daily mean, 23 mg/L, December 7-9.

SEDIMENT DISCHARGE: Maximum daily, 13,200 tons, May 28; minimum daily, 5.5 tons, September 6.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	e35	111	10	e90	31	7.5	e265	27	20
2	e35	107	10	e100	33	8.9	e270	25	18
3	e30	103	8.3	e180	47	23	e270	24	18
4	e30	98	7.9	e270	48	35	e270	24	18
5	e30	94	7.6	e90	44	11	e270	24	18
6	e25	89	6.0	e90	41	10	e280	24	18
7	e25	85	5.7	e95	37	9.4	e290	23	18
8	e70	80	15	e95	36	9.2	e300	23	19
9	e180	76	37	e95	36	9.2	e320	23	20
10	e90	71	17	e100	36	9.7	e340	24	22
11	e50	67	9.1	e110	35	10	e380	29	29
12	e200	64	34	e120	35	11	e1400	45	170
13	e70	59	11	e125	35	12	e3300	69	612
14	e50	58	7.8	e130	35	12	4560	354	4360
15	e50	58	7.8	e135	35	13	5650	365	5570
16	e55	58	8.6	e140	35	13	6140	271	4490
17	e60	57	9.3	e140	36	13	6580	187	3320
18	e65	57	10	e135	34	12	6550	130	2300
19	e70	57	11	e140	34	13	5920	119	1910
20	e90	56	14	e145	34	13	5240	95	1350
21	e100	55	15	e150	33	13	3850	86	889
22	e120	52	17	e150	33	13	e3000	77	622
23	e130	51	18	e155	33	14	e2200	68	401
24	e160	46	20	e160	32	14	e1900	58	296
25	e175	44	21	e170	32	15	e1800	49	240
26	e180	39	19	e175	32	15	e1900	44	226
27	e200	37	20	e175	31	15	2100	40	225
28	e220	33	20	e180	31	15	2170	34	202
29	e190	32	16	e190	28	15	2180	28	166
30	e160	31	13	e225	28	17	2190	25	150
31	e100	31	8.4	---	---	---	2190	25	148
TOTAL	3045	---	434.5	4255	---	400.9	74075	---	27865

e Estimated

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	2210	25	150	1250	34	114	9930	256	6850
2	2210	27	162	1750	29	137	9960	204	5480
3	2260	44	269	2140	28	160	8870	136	3270
4	3860	214	2230	1370	44	162	7480	110	2230
5	5980	785	12700	846	52	119	5140	96	1340
6	6850	516	9540	809	56	123	4750	88	1140
7	8230	321	7120	638	52	90	5030	84	1140
8	9860	236	6290	221	50	30	4940	77	1030
9	11200	196	5940	134	47	17	4340	77	902
10	12100	180	5860	151	45	18	4480	76	921
11	12500	160	5390	157	42	18	4590	72	890
12	11800	148	4700	245	40	27	4420	71	848
13	10400	155	4360	329	36	32	3850	66	684
14	8740	152	3590	301	35	28	3590	59	573
15	7400	152	3030	302	36	30	3420	50	458
16	6380	122	2100	755	53	108	3720	45	450
17	5640	126	1920	1830	101	501	6220	166	2780
18	4780	120	1550	1160	78	244	7840	350	7410
19	3590	110	1060	2590	87	612	7990	286	6170
20	3330	100	895	4020	118	1290	7690	222	4620
21	2560	89	613	4990	260	3500	7890	176	3760
22	2610	79	553	7530	342	6940	8380	194	4390
23	2660	73	522	4880	229	3020	8490	234	5350
24	2730	67	494	3370	160	1460	7910	185	3950
25	2800	62	467	3780	124	1260	5790	138	2160
26	2790	57	428	5150	196	2720	4200	118	1340
27	2720	56	412	7450	443	8910	3140	94	794
28	2710	52	378	8620	336	7820	2740	89	660
29	2640	50	358	9330	295	7420	1730	85	396
30	2570	45	312	---	---	---	2710	84	614
31	2260	40	242	---	---	---	2740	79	584
TOTAL	168370	---	83635	76098	---	46910	173970	---	73184
		APRIL			MAY			JUNE	
1	1900	81	413	349	72	68	12200	160	5270
2	1280	92	318	332	71	64	13400	153	5530
3	3730	105	1060	416	67	75	14500	171	6690
4	3140	123	1040	411	65	72	14700	171	6790
5	2850	119	917	584	65	102	13600	114	4180
6	1880	108	546	763	64	132	12100	98	3200
7	1690	94	431	537	59	85	10500	94	2670
8	1910	81	416	454	58	71	8040	96	2080
9	1930	68	356	375	57	58	4520	86	1050
10	1610	61	266	534	54	78	3340	83	746
11	1640	57	251	726	51	100	2350	78	497
12	1610	55	240	982	50	132	2310	71	441
13	1710	54	249	1310	59	210	1830	63	313
14	1690	49	222	2860	146	1130	1570	59	250
15	1470	47	187	2600	143	1000	1620	55	240
16	1330	42	150	1340	119	430	1980	51	272
17	940	45	113	897	104	251	2440	49	324
18	1260	75	254	246	91	60	2780	66	493
19	2040	111	610	378	78	80	3080	122	1010
20	1240	93	311	490	66	87	3720	189	1900
21	350	74	70	401	54	58	4290	213	2460
22	1090	101	297	519	43	61	5330	121	1740
23	1160	118	371	374	38	38	3900	59	621
24	1070	108	312	219	35	21	3640	54	530
25	1400	108	406	215	31	18	2240	54	327
26	2230	115	695	134	30	11	2380	54	347
27	2090	99	559	2170	195	1140	2260	54	331
28	1280	80	278	6300	776	13200	2610	56	392
29	669	74	133	7500	595	12000	3100	55	461
30	745	73	147	9070	303	7430	3490	55	520
31	---	---	---	10900	205	6040	---	---	---
TOTAL	48934	---	11618	54386	---	44302	163820	---	51675

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	3570	56	539	e980	51	135	e300	56	45
2	2900	57	444	e980	52	138	e150	56	23
3	2540	60	414	e870	53	124	e110	57	17
4	2850	61	469	e450	53	65	e85	60	14
5	2900	61	479	e630	54	92	e50	64	8.6
6	2350	63	397	e930	54	136	e30	68	5.5
7	2060	68	377	e880	55	130	e70	72	14
8	2450	76	501	e540	55	80	e260	76	53
9	2630	76	543	490	56	74	e300	80	65
10	2270	73	446	e370	56	56	e300	84	68
11	2170	68	398	e300	56	45	280	89	68
12	1810	64	315	e200	56	30	269	102	74
13	1350	65	237	e170	56	26	294	109	86
14	1200	66	214	e130	56	20	280	123	93
15	1100	67	199	e100	56	15	319	129	111
16	1090	68	200	e100	56	15	359	136	132
17	812	68	150	e100	56	15	357	151	145
18	559	65	98	e85	56	13	322	155	135
19	690	65	121	e60	56	9.1	401	167	181
20	669	65	118	e30	56	4.5	373	180	181
21	930	62	157	e60	56	9.1	215	179	104
22	e1100	61	182	e70	56	11	88	169	40
23	e1300	58	202	e60	56	9.1	114	167	51
24	e1000	58	156	e30	56	4.5	159	165	71
25	e1000	58	157	e70	56	11	182	155	76
26	e820	58	129	e130	56	20	219	151	89
27	e820	55	121	e260	56	39	275	141	104
28	e630	55	94	e330	56	50	277	137	102
29	e300	55	45	e450	56	68	154	126	53
30	e450	51	62	e410	56	62	97	125	33
31	e780	51	107	e300	56	45	---	---	---
TOTAL	47100	---	8071	10565	---	1551.3	6689	---	2242.1
YEAR	831307		351888.8						

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 (discontinued). 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 sre poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e39	74	358	3010	2110	10300	3320	654	12000	4730	1200	841
2	e38	84	352	3010	1870	10600	1250	342	13100	4370	1700	416
3	e37	1980	349	3020	2910	10000	3630	399	13900	3360	1740	e230
4	e36	446	351	3780	2340	8860	4800	372	14200	3700	910	e70
5	e35	73	340	6540	1280	7160	3280	463	13900	3830	535	e60
6	e34	74	373	7360	1120	5750	3140	707	12900	3620	851	e50
7	e32	79	384	8470	1020	6180	2080	733	11500	2570	1060	e100
8	107	84	394	9920	617	6110	2440	351	9780	3070	1070	362
9	773	87	423	11200	271	5700	2590	382	6510	3390	534	516
10	764	92	472	12000	201	5470	2170	492	5090	3280	424	504
11	447	95	462	12500	206	5720	2240	644	3510	2700	435	506
12	702	99	1400	12400	196	5640	2390	949	3470	2720	269	527
13	2600	104	2700	11400	360	5170	2130	1770	2660	2040	204	527
14	511	114	5360	10100	388	4570	2260	2840	2460	1750	196	507
15	92	116	6640	8840	357	4420	1790	4000	2280	1500	85	544
16	e60	117	6830	7830	369	4710	1750	1850	2740	1450	e70	594
17	e65	118	7240	7070	2120	6150	1150	1620	3130	1430	e50	650
18	e75	126	7420	6410	1700	8560	1310	501	3720	799	e80	614
19	e86	134	7080	4890	2250	9150	2060	365	4050	894	e90	630
20	e100	161	6410	4530	4800	8950	2330	622	4640	902	e80	618
21	120	159	5420	3630	5380	8730	452	554	5200	1140	e70	554
22	138	165	3660	3500	7950	9100	854	542	6350	1330	e50	224
23	166	164	2370	3520	7050	9320	1400	586	5170	1530	e40	e180
24	207	190	2080	3590	4180	9010	1610	262	4870	1560	e30	227
25	231	210	2260	3670	4640	7760	1490	194	3440	1170	e30	337
26	243	239	2470	3670	5430	5720	2300	154	3280	1200	e40	380
27	249	247	2890	3610	8140	4580	2730	910	3070	711	68	467
28	255	250	2950	3560	8960	3750	2000	7220	3350	781	403	503
29	258	270	2980	3480	9820	2580	990	8660	3980	445	1240	440
30	190	336	2980	3380	---	3190	922	9420	4520	357	980	201
31	86	---	2990	3280	---	3540	---	10800	---	561	729	---
TOTAL	8776	6487	88388	193170	88035	206450	62858	59358	188770	62890	15263	12379
MEAN	283	216	2851	6231	3036	6660	2095	1915	6292	2029	492	413
MAX	2600	1980	7420	12500	9820	10600	4800	10800	14200	4730	1740	841
MIN	32	73	340	3010	196	2580	452	154	2280	357	30	50
MED	120	122	2470	4530	2110	6110	2100	622	4580	1530	269	485
AC-FT	17410	12870	175300	383200	174600	409500	124700	117700	374400	124700	30270	24550

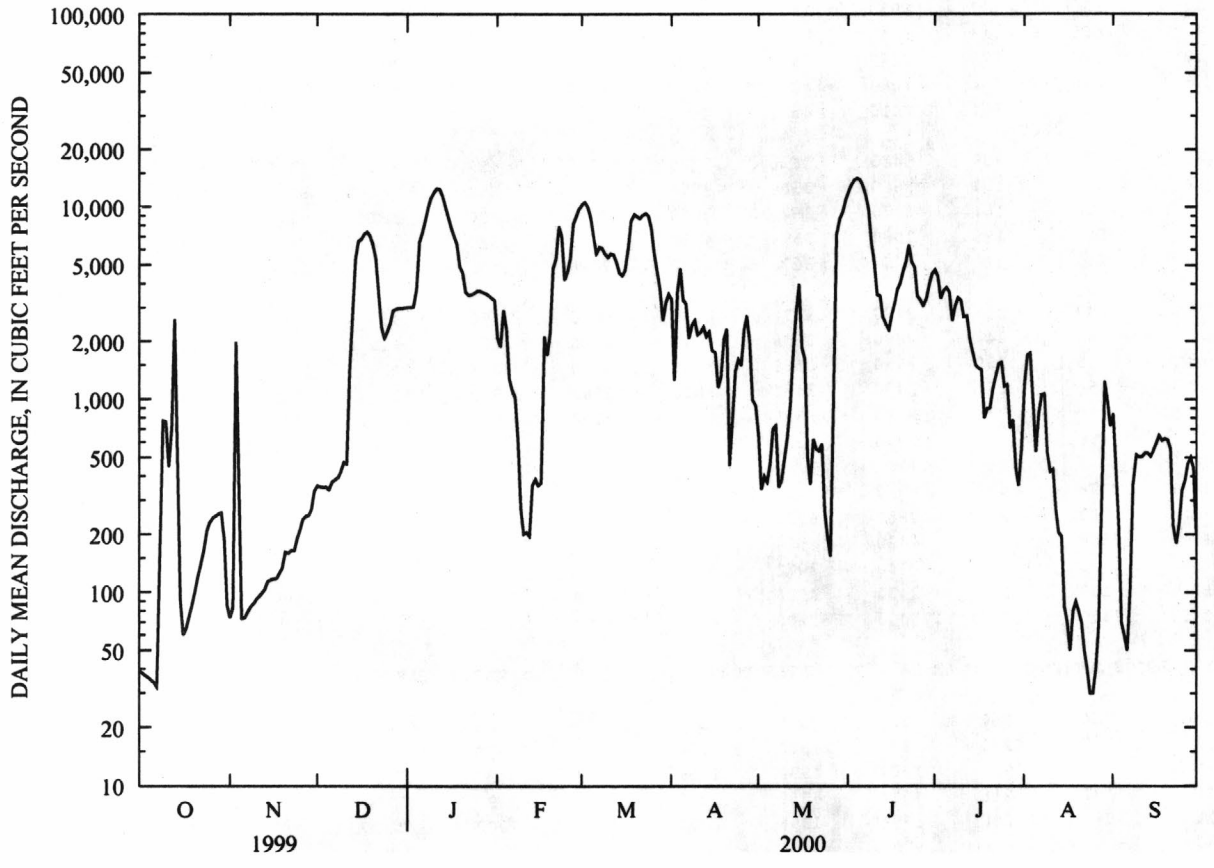
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	1284	1861	4632	7589	8069	10030	7864	6592	5951	2358	3198	646
MAX	4537	6289	12320	11320	15170	24900	15970	12890	8273	3670	12270	1367
(WY)	1999	1997	1997	1999	1999	1997	1997	1998	1997	1998	1998	1998
MIN	137	216	1624	4950	3036	2028	2095	1915	2968	1017	230	60.2
(WY)	1998	2000	1996	1996	2000	1996	2000	2000	1999	1996	1999	1999

07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	1721525		992824			
ANNUAL MEAN	4717		2713		4995	
HIGHEST ANNUAL MEAN					8309	1997
LOWEST ANNUAL MEAN					2713	2000
HIGHEST DAILY MEAN	25700	Feb 2	14200	Jun 4	34400	Mar 11 1997
LOWEST DAILY MEAN	32	Oct 7	30	Aug 24	30	Aug 24 2000
ANNUAL SEVEN-DAY MINIMUM	36	Oct 1	36	Oct 1	36	Oct 1 1999
INSTANTANEOUS PEAK FLOW			14300	Jun 4	34600	Mar 11 1997
INSTANTANEOUS PEAK STAGE			31.11	Jun 4	41.13	Mar 11 1997
ANNUAL RUNOFF (AC-FT)	3415000		1969000		3618000	
10 PERCENT EXCEEDS	10300		7780		11500	
50 PERCENT EXCEEDS	2980		1400		3170	
90 PERCENT EXCEEDS	74		92		196	

[e]Estimated



07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: October 1996 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,390 mg/L, June 1, 2000; minimum daily mean, 13 mg/L, September 30, 1998.

SEDIMENT DISCHARGE: Maximum daily, 48,800 tons, June 2, 2000; minimum daily, 2.3 tons, October 4, 1999.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,390 mg/L, June 1; minimum daily mean, 19 mg/L, January 3.

SEDIMENT DISCHARGE: Maximum daily, 48,800 tons, June 2; minimum daily, 2.3 tons, October 4.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	e39	67	7.0	74	51	10	358	28	27
2	e38	48	5.0	84	96	22	352	38	37
3	e37	30	3.0	1980	135	721	349	57	54
4	e36	24	2.3	446	187	225	351	48	45
5	e35	40	3.8	73	105	21	340	42	39
6	e34	54	4.9	74	67	13	373	55	55
7	e32	66	5.7	79	55	12	384	51	53
8	107	121	35	84	56	13	394	43	46
9	773	214	447	87	53	13	423	47	53
10	764	213	438	92	62	15	472	51	65
11	447	173	208	95	62	16	462	70	87
12	702	206	391	99	54	14	1400	186	702
13	2600	128	902	104	52	15	2700	248	1810
14	511	86	119	114	48	15	5360	548	7940
15	92	89	22	116	42	13	6640	979	17600
16	e60	61	9.9	117	37	12	6830	473	8720
17	e65	62	11	118	34	11	7240	194	3790
18	e75	95	19	126	33	11	7420	103	2060
19	e86	117	27	134	36	13	7080	82	1570
20	e100	100	27	161	45	19	6410	87	1500
21	120	99	32	159	46	20	5420	86	1260
22	138	71	26	165	49	22	3660	79	780
23	166	72	32	164	49	22	2370	67	427
24	207	56	31	190	52	27	2080	55	308
25	231	56	35	210	54	31	2260	45	274
26	243	73	48	239	47	30	2470	37	247
27	249	77	52	247	43	28	2890	31	245
28	255	58	40	250	55	37	2950	31	250
29	258	54	38	270	38	27	2980	44	352
30	190	41	21	336	38	34	2980	41	333
31	86	48	11	---	---	---	2990	29	237
TOTAL	8776	---	3053.6	6487	---	1482	88388	---	50966

e Estimated

07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	3010	20	159	2110	85	484	10300	202	5620
2	3010	20	166	1870	78	396	10600	131	3740
3	3020	19	156	2910	105	827	10000	102	2740
4	3780	30	309	2340	75	474	8860	95	2280
5	6540	278	4900	1280	72	250	7160	87	1690
6	7360	360	7160	1120	70	211	5750	96	1490
7	8470	270	6160	1020	63	172	6180	94	1570
8	9920	247	6620	617	65	109	6110	91	1490
9	11200	174	5280	271	68	50	5700	91	1400
10	12000	181	5880	201	57	31	5470	93	1380
11	12500	189	6380	206	45	25	5720	108	1660
12	12400	193	6460	196	53	28	5640	109	1650
13	11400	211	6480	360	63	62	5170	77	1070
14	10100	215	5870	388	52	54	4570	48	594
15	8840	221	5280	357	51	49	4420	41	491
16	7830	276	5840	369	87	87	4710	48	616
17	7070	291	5560	2120	71	406	6150	100	1660
18	6410	310	5370	1700	88	402	8560	236	5450
19	4890	261	3450	2250	268	1630	9150	281	6950
20	4530	182	2230	4800	454	5880	8950	260	6270
21	3630	161	1580	5380	500	7260	8730	203	4790
22	3500	133	1260	7950	474	10200	9100	160	3920
23	3520	128	1220	7050	363	6910	9320	194	4880
24	3590	135	1310	4180	246	2780	9010	310	7540
25	3670	133	1320	4640	194	2430	7760	307	6420
26	3670	122	1210	5430	272	3980	5720	246	3800
27	3610	96	933	8140	283	6220	4580	175	2160
28	3560	96	926	8960	280	6780	3750	156	1580
29	3480	89	832	9820	255	6750	2580	129	896
30	3380	90	820	---	---	---	3190	89	765
31	3280	95	837	---	---	---	3540	87	833
TOTAL	193170	---	101958	88035	---	64937	206450	---	87395
		APRIL			MAY			JUNE	
1	3320	76	678	654	65	115	12000	1390	45000
2	1250	62	208	342	48	45	13100	1380	48800
3	3630	50	485	399	35	37	13900	619	23200
4	4800	87	1130	372	36	36	14200	372	14300
5	3280	197	1750	463	55	69	13900	215	8060
6	3140	114	965	707	74	141	12900	156	5430
7	2080	96	541	733	93	185	11500	142	4420
8	2440	83	544	351	84	79	9780	196	5180
9	2590	71	496	382	87	90	6510	252	4430
10	2170	69	402	492	157	209	5090	303	4160
11	2240	55	335	644	169	293	3510	226	2140
12	2390	61	393	949	275	705	3470	209	1960
13	2130	54	310	1770	466	2230	2660	178	1280
14	2260	50	304	2840	621	4760	2460	124	823
15	1790	46	222	4000	517	5590	2280	129	792
16	1750	42	200	1850	382	1900	2740	132	976
17	1150	42	130	1620	259	1130	3130	147	1240
18	1310	46	162	501	179	242	3720	119	1200
19	2060	47	264	365	161	159	4050	131	1430
20	2330	73	459	622	165	277	4640	316	3960
21	452	66	81	554	127	190	5200	591	8300
22	854	56	128	542	91	133	6350	1090	18600
23	1400	65	247	586	73	116	5170	845	11800
24	1610	104	451	262	62	44	4870	378	4970
25	1490	153	616	194	75	39	3440	258	2400
26	2300	128	793	154	224	93	3280	161	1430
27	2730	144	1060	910	421	1040	3070	127	1060
28	2000	140	756	7220	544	10600	3350	109	983
29	990	87	232	8660	601	14000	3980	130	1390
30	922	68	169	9420	921	23400	4520	172	2100
31	---	---	---	10800	1110	32400	---	---	---
TOTAL	62858	---	14511	59358	---	100347	188770	---	231814

07047815 CROSS COUNTY DITCH NEAR BIRDEYE--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	4730	211	2690	1200	50	163	841	245	557
2	4370	270	3190	1700	63	288	416	196	221
3	3360	293	2660	1740	87	407	e230	150	93
4	3700	194	1940	910	112	276	e70	108	20
5	3830	158	1630	535	106	153	e60	89	14
6	3620	165	1620	851	96	220	e50	102	14
7	2570	139	965	1060	127	364	e100	315	85
8	3070	121	1000	1070	112	325	362	496	485
9	3390	142	1300	534	59	86	516	495	690
10	3280	138	1220	424	38	43	504	498	678
11	2700	124	903	435	39	45	506	613	838
12	2720	89	657	269	41	30	527	659	938
13	2040	55	304	204	50	27	527	526	749
14	1750	44	208	196	54	29	507	406	556
15	1500	42	170	85	60	14	544	315	463
16	1450	38	147	e70	56	11	594	252	404
17	1430	43	167	e50	59	7.9	650	210	369
18	799	57	123	e80	68	15	614	166	276
19	894	61	146	e90	82	20	630	130	220
20	902	53	129	e80	87	19	618	103	172
21	1140	41	127	e70	97	18	554	94	140
22	1330	36	128	e50	105	14	224	92	55
23	1530	53	220	e40	77	8.3	e180	84	41
24	1560	93	391	e30	77	6.2	227	84	52
25	1170	64	201	e30	91	7.4	337	102	92
26	1200	73	235	e40	93	10	380	177	181
27	711	67	129	68	130	24	467	214	269
28	781	55	116	403	242	264	503	192	260
29	445	42	50	1240	186	624	440	156	185
30	357	43	41	980	164	435	201	128	69
31	561	43	65	729	208	408	---	---	---
TOTAL	62890	---	22872	15263	---	4361.8	12379	---	9186
YEAR	992824		692883.4						

e Estimated

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to September 2000 (discontinued). 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 due to varying backwater at times. Satellite telemeter at station.

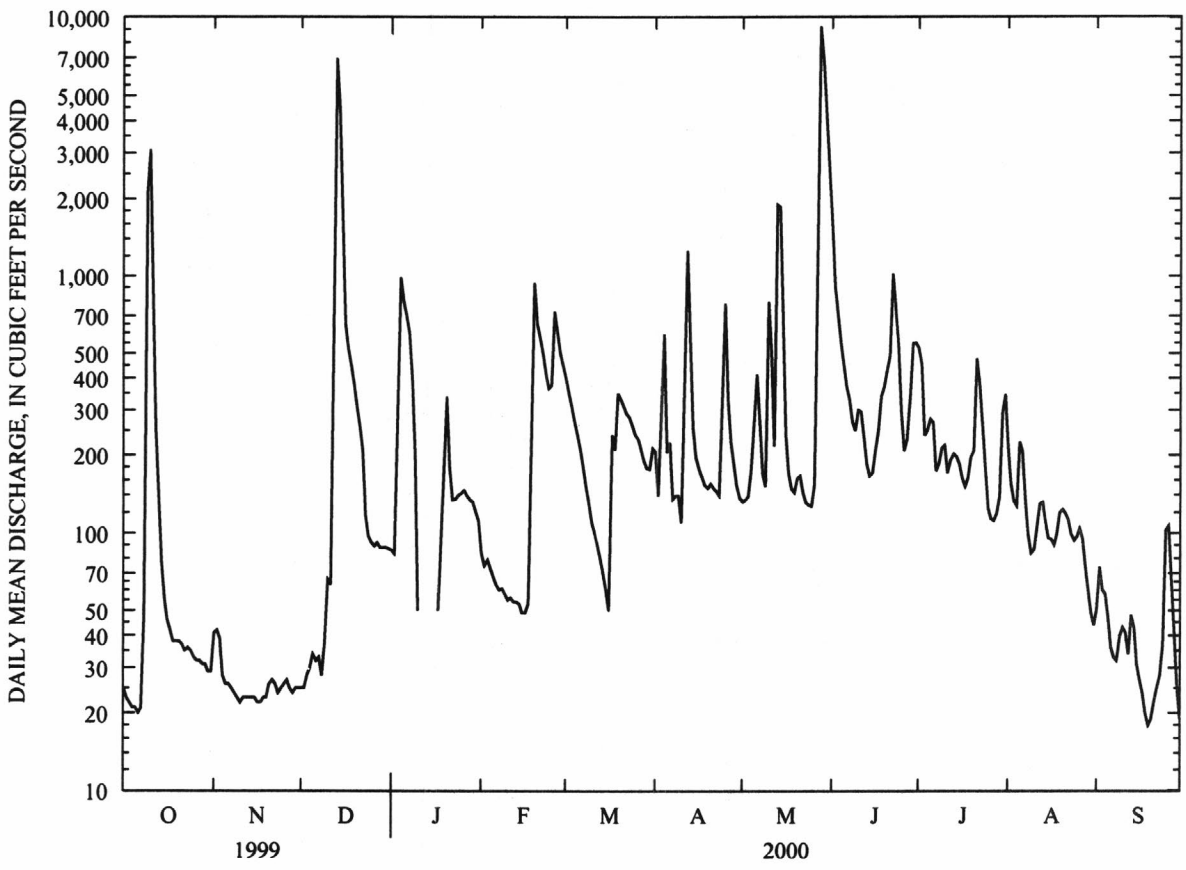
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	41	25	86	84	e400	205	132	e1600	523	213	51
2	23	42	25	83	75	e350	139	134	e900	453	154	74
3	22	39	28	218	79	e310	269	138	e700	239	133	60
4	21	28	30	986	73	e270	593	174	e550	252	127	58
5	21	26	34	e800	68	e240	205	264	e450	276	225	47
6	20	26	32	e700	63	e210	223	413	e370	268	206	36
7	21	25	33	e600	60	e180	135	264	e330	173	135	33
8	48	24	28	e400	61	150	139	170	e270	185	99	32
9	2120	23	38	e200	58	e130	139	151	e250	213	84	40
10	3090	22	66	e50	55	e110	e110	792	e300	219	87	43
11	807	23	63	e.00	56	e100	e295	497	296	171	105	41
12	250	23	2020	e.00	54	e90	1260	217	235	193	130	34
13	137	23	6980	e.00	54	e80	475	1900	185	203	132	48
14	78	23	e4400	e.00	53	e70	255	1860	166	198	111	43
15	56	23	e2200	e.00	49	e60	196	597	e170	185	96	31
16	46	22	e650	e.00	49	e50	176	238	e210	163	95	27
17	42	22	e520	e50	53	e240	164	170	e250	151	90	24
18	38	23	e450	e100	287	e210	153	148	e340	163	100	20
19	38	23	e380	e200	939	e350	149	143	e370	197	120	18
20	38	26	e310	339	651	e330	155	162	e430	209	123	19
21	37	27	e260	181	575	e310	149	166	e490	478	119	22
22	35	26	209	134	e500	e290	145	143	1020	380	113	25
23	36	24	117	135	e420	e280	139	131	763	248	99	28
24	35	25	97	140	364	e260	325	128	538	173	94	37
25	33	26	92	142	375	e240	781	127	298	125	97	103
26	32	27	89	146	726	e230	330	155	208	114	104	107
27	32	25	92	139	e600	e210	225	2210	230	112	95	70
28	31	24	88	134	e500	e190	e188	9230	e340	119	74	41
29	31	25	88	132	e450	178	e153	6620	549	139	61	26
30	29	25	88	121	---	176	e136	3740	550	293	49	19
31	29	---	87	112	---	212	---	e2400	---	346	44	---
TOTAL	7301	781	19619	6328.00	7431	6506	8006	33614	13358	7161	3514	1257
MEAN	236	26.0	633	204	256	210	267	1084	445	231	113	41.9
MAX	3090	42	6980	986	939	400	1260	9230	1600	523	225	107
MIN	20	22	25	.00	49	50	110	127	166	112	44	18
AC-FT	14480	1550	38910	12550	14740	12900	15880	66670	26500	14200	6970	2490
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)												
MEAN	339	395	700	771	765	728	447	491	332	212	429	93.1
MAX	873	1322	2030	1222	1423	2061	584	1084	445	270	1332	159
(WY)	1999	1997	1997	1999	1997	1997	1997	2000	2000	1998	1998	1997
MIN	61.1	26.0	146	204	2.14	210	258	250	231	138	113	30.9
(WY)	1996	2000	1996	2000	1999	2000	1998	1997	1996	1996	2000	1999

07047882 STRAIGHT SLOUGH NEAR BIRDEYE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	132432.00		114876.00			
ANNUAL MEAN	363		314		475	
HIGHEST ANNUAL MEAN					841	1997
LOWEST ANNUAL MEAN					314	2000
HIGHEST DAILY MEAN	6980	Dec 13	9230	May 28	9230	May 28 2000
LOWEST DAILY MEAN	.00	Feb 3	.00	Jan 11	.00	Feb 3 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 3	7.1	Jan 10	.00	Feb 3 1999
INSTANTANEOUS PEAK FLOW			10100	May 28	10100	May 28 2000
INSTANTANEOUS PEAK STAGE			21.38	May 28	[a]33.14	Mar 12 1997
INSTANTANEOUS LOW FLOW			[a].00	at times	[a].00	at times
ANNUAL RUNOFF (AC-FT)	262700		227900		344000	
10 PERCENT EXCEEDS	701		549		1000	
50 PERCENT EXCEEDS	170		134		200	
90 PERCENT EXCEEDS	21		25		50	

[a]Backwater
[e]Estimated



07047882 STRAIGHT SLOUGH NEAR BIRDEYE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1977 to September 1984, September 1996 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: October 1996 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,930 mg/L, April 25, 2000; minimum daily mean, 0.0 mg/L, January 11-16, 2000.

SEDIMENT DISCHARGE: Maximum daily, 17,400 tons, January 22, 1999; minimum daily, 0 tons, February 3-28, 1999 and January 11-16, 2000.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,930 mg/L, April 25; minimum daily mean, 0.0 mg/L, January 11-16.

SEDIMENT DISCHARGE: Maximum daily, 7,840 tons, December 13; minimum daily, 0 tons, January 11-16.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	25	143	9.7	41	333	37	25	40	2.7
2	23	143	8.9	42	302	34	25	38	2.6
3	22	143	8.5	39	240	25	28	38	2.9
4	21	143	8.1	28	162	12	30	38	3.1
5	21	143	8.1	26	120	8.5	34	38	3.5
6	20	143	7.7	26	116	8.1	32	38	3.3
7	21	143	8.1	25	116	7.8	33	38	3.4
8	48	313	41	24	116	7.5	28	38	2.9
9	2120	1330	7600	23	115	7.1	38	37	3.8
10	3090	799	6660	22	115	6.8	66	37	6.6
11	807	455	990	23	106	6.6	63	37	6.3
12	250	311	210	23	77	4.8	2020	432	2360
13	137	257	95	23	77	4.8	6980	416	7840
14	78	138	29	23	95	5.9	e4400	242	2870
15	56	57	8.6	23	76	4.7	e2200	124	737
16	46	50	6.2	22	69	4.1	e650	106	186
17	42	50	5.7	22	73	4.3	e520	104	146
18	38	50	5.1	23	76	4.7	e450	94	114
19	38	50	5.1	23	76	4.7	e380	66	68
20	38	50	5.1	26	73	5.2	e310	61	51
21	37	49	4.9	27	73	5.3	e260	57	40
22	35	49	4.6	26	71	5.0	209	65	37
23	36	49	4.8	24	67	4.3	117	68	21
24	35	49	4.6	25	65	4.4	97	67	18
25	33	49	4.4	26	64	4.5	92	67	17
26	32	49	4.2	27	59	4.3	89	67	16
27	32	48	4.2	25	57	3.9	92	66	16
28	31	43	3.6	24	53	3.4	88	66	16
29	31	42	3.5	25	51	3.4	88	66	16
30	29	49	3.8	25	45	3.0	88	69	16
31	29	137	11	---	---	---	87	73	17
TOTAL	7301	---	15773.5	781	---	245.1	19619	---	14643.1

e Estimated

07047882 STRAIGHT SLOUGH NEAR BIRDEYE--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	86	65	15	84	48	11	e400	176	190
2	83	66	15	75	44	8.8	e350	146	138
3	218	71	42	79	39	8.3	e310	129	108
4	986	153	406	73	41	8.0	e270	120	87
5	e800	626	1350	68	42	7.7	e240	115	74
6	e700	438	827	63	44	7.4	e210	104	59
7	e600	282	456	60	49	8.0	e180	92	45
8	e400	190	205	61	51	8.4	150	81	33
9	e200	175	94	58	52	8.2	e130	74	26
10	e50	166	22	55	53	7.9	e110	67	20
11	e.00	0	.00	56	53	8.0	e100	62	17
12	e.00	0	.00	54	50	7.2	e90	56	14
13	e.00	0	.00	54	50	7.3	e80	50	11
14	e.00	0	.00	53	51	7.3	e70	45	8.4
15	e.00	0	.00	49	51	6.8	e60	39	6.3
16	e.00	0	.00	49	47	6.2	e50	45	6.0
17	e50	62	8.4	53	47	6.7	e240	180	117
18	e100	125	34	287	399	309	e210	335	190
19	e200	235	127	939	390	989	e350	270	256
20	339	149	136	651	230	404	e330	227	202
21	181	104	51	575	185	286	e310	188	157
22	134	79	29	e500	166	224	e290	156	122
23	135	71	26	e420	270	306	e280	139	105
24	140	69	26	364	256	251	e260	128	90
25	142	67	26	375	274	277	e240	116	75
26	146	65	26	726	512	1000	e230	108	67
27	139	63	24	e600	373	604	e210	102	58
28	134	60	22	e500	263	356	e190	99	51
29	132	58	21	e450	228	277	178	82	40
30	121	55	18	---	---	---	176	88	42
31	112	51	15	---	---	---	212	102	59
TOTAL	6328.00	---	4021.40	7431	---	5416.2	6506	---	2473.7

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	205	101	56	132	412	147	e1600	492	2120
2	139	106	40	134	402	146	e900	235	570
3	269	312	226	138	382	142	e700	100	189
4	593	259	415	174	345	162	e550	57	84
5	205	132	73	264	623	444	e450	71	86
6	223	85	51	413	1210	1350	e370	91	91
7	135	104	38	264	972	693	e330	84	74
8	139	104	39	170	761	349	e270	73	53
9	139	92	34	151	722	294	e250	68	46
10	e110	90	27	792	1190	2540	e300	70	56
11	e295	150	119	497	636	853	296	76	60
12	1260	476	1620	217	757	443	235	73	47
13	475	382	490	1900	985	5050	185	74	37
14	255	240	165	1860	1350	6780	166	76	34
15	196	166	88	597	1170	1890	e170	77	36
16	176	144	68	238	899	578	e210	81	46
17	164	136	60	170	673	309	e250	82	55
18	153	128	53	148	426	170	e340	85	78
19	149	121	49	143	328	127	e370	86	85
20	155	114	48	162	486	212	e430	88	103
21	149	107	43	166	480	215	e490	89	117
22	145	101	39	143	332	128	1020	91	252
23	139	127	48	131	219	77	763	91	188
24	325	640	562	128	166	57	538	96	140
25	781	1930	4070	127	133	46	298	326	262
26	330	1480	1320	155	95	40	208	604	339
27	225	841	511	2210	94	560	230	364	226
28	e188	623	316	9230	89	2220	e340	365	335
29	e153	546	225	6620	112	2010	549	382	566
30	e136	434	159	3740	112	1130	550	370	549
31	---	---	---	e2400	617	4000	---	---	---
TOTAL	8006	---	11052	33614	---	33162	13358	---	6924

e Estimated

07047882 STRAIGHT SLOUGH NEAR BIRDEYE--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	MEAN SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	523	334	471	213	212	122	51	80	11
2	453	292	357	154	166	69	74	152	30
3	239	253	163	133	148	53	60	158	26
4	252	234	160	127	131	45	58	157	25
5	276	213	159	225	185	112	47	156	20
6	268	189	137	206	198	110	36	153	15
7	173	161	75	135	154	56	33	149	13
8	185	148	74	99	126	34	32	147	13
9	213	136	78	84	110	25	40	139	15
10	219	123	73	87	106	25	43	138	16
11	171	111	51	105	105	30	41	137	15
12	193	104	54	130	98	34	34	131	12
13	203	98	54	132	97	35	48	151	20
14	198	97	52	111	97	29	43	160	19
15	185	98	49	96	97	25	31	157	13
16	163	99	44	95	96	25	27	150	11
17	151	100	41	90	88	21	24	149	9.7
18	163	100	44	100	87	23	20	148	8.0
19	197	101	54	120	86	28	18	140	6.8
20	209	102	57	123	79	26	19	139	7.1
21	478	180	232	119	78	25	22	138	8.2
22	380	167	172	113	78	24	25	130	8.8
23	248	123	82	99	77	20	28	129	9.8
24	173	105	49	94	69	18	37	139	14
25	125	96	32	97	68	18	103	217	60
26	114	94	29	104	68	19	107	228	66
27	112	90	27	95	68	17	70	200	38
28	119	90	29	74	68	14	41	179	20
29	139	90	34	61	68	11	26	159	11
30	293	183	144	49	69	9.1	19	144	7.4
31	346	262	244	44	69	8.2	---	---	---
TOTAL	7161	---	3321	3514	---	1110.3	1257	---	548.8

YEAR 114876.00 98691.10

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1994 and October 1997 to current year in reports of Geological Survey. January 1935 to date in reports of Mississippi River Commission.

GAGE.--Nonrecording gage read once daily. Datum of gage is 171.25 ft above sea level. Aug. 20, 1948 to Jan. 6, 1999, water-stage recorder at present site and datum. Prior to Aug. 20, 1948, nonrecording gage at present site and datum. Water-stage recorder from Clark Corner Cut-Off near Colt (07047904) 9.1 mi downstream at datum 154.87 ft above sea level used as auxiliary gage for this station since October 1, 1997.

REMARKS.--Water-discharge records fair, except estimated daily discharges which are poor. Part of the flow at this station is diverted from the St. Francis River at lock and dam about 4.0 mi northwest of Marked Tree (see station 07047800). Some regulation by Wappapelo Lake (Missouri) since Apr. 1, 1941, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	148	404	2820	e3600	9940	2520	783	11600	4210	1150	e700
2	99	136	436	2830	2530	10200	1670	566	12500	e4200	1360	e450
3	117	180	436	3070	2480	10100	2620	469	13800	2990	1430	e250
4	149	465	442	4290	3040	9620	4010	542	14600	e3480	1320	e130
5	100	284	442	6410	2710	7920	2790	597	14500	e3640	675	e110
6	100	118	446	6540	1670	4990	2680	1120	13500	e3530	545	e100
7	100	e115	428	7290	679	4990	1630	914	11900	2370	863	e150
8	390	e115	392	8870	599	5290	1780	594	9790	2480	962	e350
9	2160	e120	418	10800	364	5070	2050	535	6940	e3220	579	e450
10	3150	e120	484	11500	233	4430	1810	618	4500	e3240	548	e450
11	1790	e120	553	12100	216	4700	1740	1060	3280	e2520	515	e440
12	1620	e125	1620	12100	322	4660	1750	1060	2860	e2650	490	e430
13	1620	e125	6080	11200	466	4270	1840	2240	2350	e1980	452	e450
14	750	e130	7920	9930	538	3580	1650	3870	2110	e1710	286	e430
15	109	e135	8090	8460	523	3790	1240	3200	2470	e1470	140	e400
16	94	e140	6820	7230	498	4860	1310	1480	3010	e1430	137	e420
17	96	e140	6790	6540	916	6220	1150	1530	2810	e1460	133	e450
18	95	e140	6750	5660	2590	7460	1080	1330	3040	e914	141	e480
19	92	e145	6720	5010	1970	9170	1710	647	3790	e976	163	430
20	90	e150	6470	4690	3810	9960	1790	532	4100	e966	162	429
21	90	e155	5120	4360	4600	8710	855	e622	4730	e1180	150	364
22	119	e155	3390	e4000	6580	8280	542	482	5740	e1420	152	229
23	189	e155	2320	e3900	6860	8240	1110	e592	5010	e1610	127	e150
24	171	e160	2010	e4100	5420	8230	1660	409	4240	1480	116	155
25	155	e170	2020	e4200	4290	7230	1810	e160	3320	e1240	111	258
26	255	e180	1870	e4300	6120	4860	2030	136	2880	1090	114	309
27	304	194	1810	e4200	7850	4080	2170	481	2930	660	156	348
28	388	435	2190	e4000	8920	4150	1670	8050	3340	e931	364	399
29	388	582	2790	e3900	9440	3580	1080	10600	3600	518	e950	336
30	283	405	2830	e3800	---	2350	853	10300	3890	471	e700	161
31	110	---	2820	e3700	---	2560	---	10900	---	668	e500	---
TOTAL	15273	5742	91311	191800	89834	193490	52600	66419	183130	60704	15491	10208
MEAN	493	191	2946	6187	3098	6242	1753	2143	6104	1958	500	340
MAX	3150	582	8090	12100	9440	10200	4010	10900	14600	4210	1430	700
MIN	90	115	392	2820	216	2350	542	136	2110	471	111	100
AC-FT	30290	11390	181100	380400	178200	383800	104300	131700	363200	120400	30730	20250

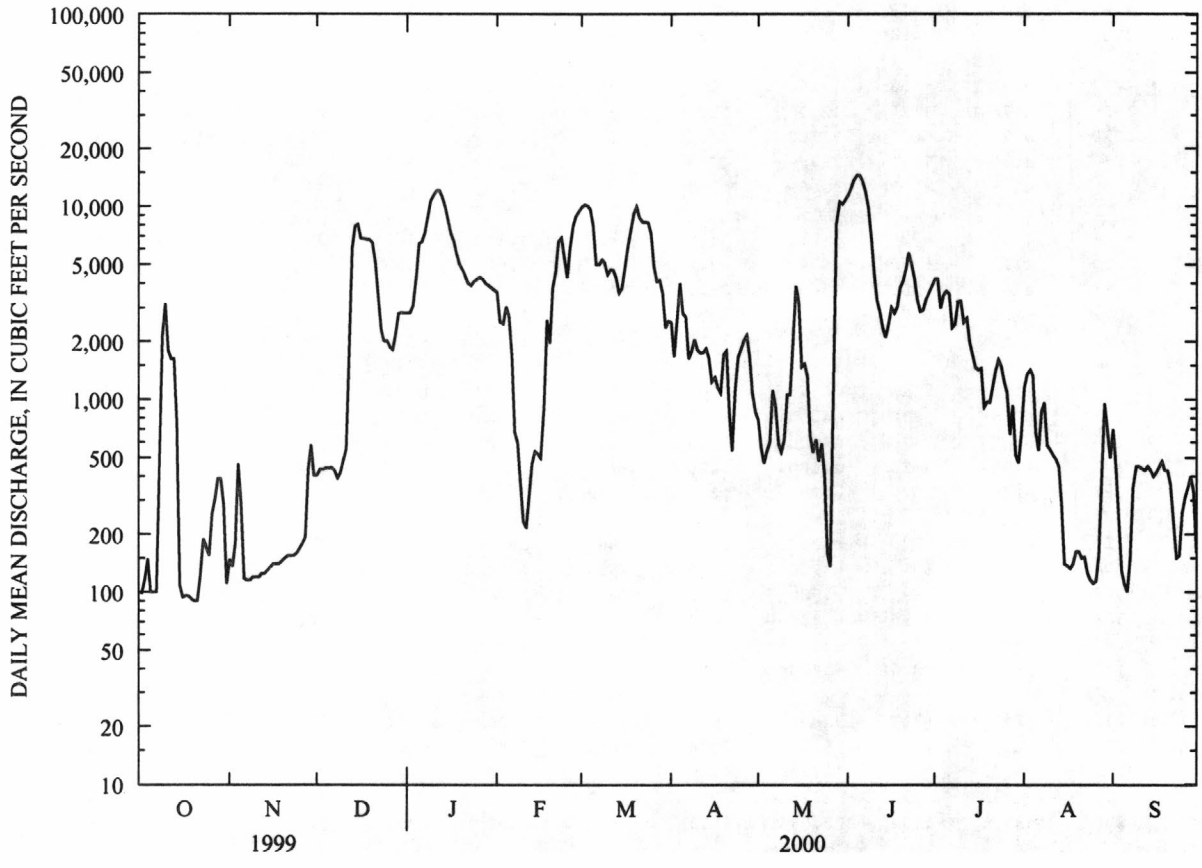
07047900 ST. FRANCIS BAY AT RIVERFRONT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936-94, 1998-00, BY WATER YEAR (WY)

MEAN	1197	2240	5222	7858	9395	10140	10390	8405	5076	2622	1538	1061
MAX	6413	16410	23870	30270	37420	27400	36220	33660	27120	14280	13240	3942
(WY)	1950	1958	1958	1950	1937	1979	1979	1973	1957	1957	1998	1965
MIN	36.8	24.7	89.0	103	336	465	625	292	78.3	70.0	61.0	48.0
(WY)	1940	1942	1941	1944	1936	1941	1941	1941	1941	1941	1936	1941

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1936-94,1998-00	
ANNUAL TOTAL	1830107		976002			
ANNUAL MEAN	5014		2667		5459	
HIGHEST ANNUAL MEAN					13580	1973
LOWEST ANNUAL MEAN					344	1941
HIGHEST DAILY MEAN	30000	Feb 1	14600	Jun 4	53000	Apr 8 1979
LOWEST DAILY MEAN	90	Sep 28	90	Oct 20	.00	Nov 17 1941
ANNUAL SEVEN-DAY MINIMUM	95	Oct 15	95	Oct 15	.00	Nov 17 1941
INSTANTANEOUS PEAK FLOW			14700	Jun 4	54700	Apr 8 1979
INSTANTANEOUS PEAK STAGE			[a]19.70	Jun 4	[b]39.03	May 3 1973
INSTANTANEOUS LOW FLOW					.00	Nov 17 1941
ANNUAL RUNOFF (AC-FT)	3630000		1936000		3955000	
10 PERCENT EXCEEDS	10800		7580		14600	
50 PERCENT EXCEEDS	2900		1440		2670	
90 PERCENT EXCEEDS	130		139		234	

[a]From graph based on once-daily gage readings
[b]Backwater from Mississippi River
[e]Estimated



07047900 ST. FRANCIS BAY AT RIVERFRONT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT 14...	1540	82913	80513	540	760	--	--	6.3	339
NOV 17...	1425	82913	80513	141	763	98	10.2	7.5	198
DEC 16...	1535	82913	80513	6530	760	83	9.9	6.7	159
JAN 12...	1455	82913	80513	11900	760	114	10.0	7.1	127
FEB 10...	0830	82913	80513	239	757	90	10.5	7.7	308
MAR 09...	0715	82913	80513	5230	760	82	8.1	7.4	162
APR 13...	0800	82913	80513	1920	764	74	7.7	7.4	176
MAY 11...	1110	82913	80513	1240	757	84	7.2	7.3	195
JUN 07...	1200	82913	80513	11500	766	61	5.2	6.9	130
JUL 12...	1415	82913	80513	2670	758	110	8.3	8.0	273
AUG 09...	1435	82913	80513	592	762	103	7.4	7.6	356
SEP 06...	1340	82913	80513	109	763	104	8.4	7.6	492

DATE	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT 14...	22.0	.37	96	8	15	70	98	100	--
NOV 17...	13.5	.46	15	39	56	78	95	98	--
DEC 16...	7.6	.09	6720	7	9	55	97	100	--
JAN 12...	21.5	.09	5650	44	49	70	95	99	--
FEB 10...	8.4	.12	42	13	65	99	100	--	--
MAR 09...	15.6	.12	1360	14	26	92	99	100	--
APR 13...	13.7	.09	700	23	61	95	99	100	--
MAY 11...	22.5	.09	1710	29	60	94	98	100	--
JUN 07...	23.7	.09	3820	5	6	24	91	100	--
JUL 12...	29.6	.12	634	68	90	98	98	100	--
AUG 09...	32.9	.15	94	40	71	95	99	100	--
SEP 06...	26.1	.46	25	0	1	57	97	99	100

DATE	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT 14...	--	--	--	66	99	99	99	100
NOV 17...	99	100	--	40	99	99	99	100
DEC 16...	--	--	--	381	96	100	--	--
JAN 12...	99	99	100	176	89	97	99	100
FEB 10...	--	--	--	65	97	97	97	100
MAR 09...	--	--	--	96	90	95	98	100
APR 13...	--	--	--	135	99	99	100	--
MAY 11...	--	--	--	512	100	--	--	--
JUN 07...	--	--	--	123	88	94	99	100
JUL 12...	--	--	--	88	98	98	100	--
AUG 09...	--	--	--	59	98	100	--	--
SEP 06...	--	--	--	84	97	97	97	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 (discontinued). 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. Oct. 1, 1995 to Jan. 6, 1999, 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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	203	255	2300	2100	10300	3080	946	10700	4090	1020	e600
2	137	175	261	2320	1330	10800	1950	700	12100	4030	1330	e450
3	136	688	274	2360	1970	10800	2180	634	14000	3260	1500	e300
4	132	944	271	3070	2050	9730	4240	691	15600	3090	1230	e200
5	134	256	285	5190	1270	8140	3090	792	15900	3300	730	e150
6	140	157	273	6200	897	5780	3100	1360	14600	3310	916	e130
7	150	137	284	7000	832	5460	2010	1120	12300	2490	984	e200
8	240	130	291	8310	699	5440	2020	822	10100	2370	1040	e350
9	2890	124	302	9700	455	5210	2180	705	7150	2710	801	e380
10	3630	121	442	10900	341	4680	2040	1040	4690	2860	642	e410
11	1970	114	389	11800	312	4830	2110	1270	3490	2350	578	e400
12	911	119	2140	12300	308	4890	2770	1030	2870	2330	580	e400
13	1700	127	5790	11700	343	4690	2490	2100	2500	1950	521	e420
14	1300	134	7200	10300	428	4130	2180	3530	2110	1620	468	e420
15	330	139	7910	8790	411	3950	1920	3630	2690	1420	447	e400
16	192	146	6830	7500	399	4520	1710	2420	3080	1320	348	e430
17	159	153	6550	6560	876	5490	1410	1550	3030	1300	313	e470
18	143	157	6700	5880	1640	7140	1190	1040	3250	1020	306	500
19	140	163	6580	4790	1830	9140	1520	616	3630	887	325	453
20	140	168	6050	4040	3790	10100	2150	695	3910	985	340	485
21	162	176	5360	3500	4350	8810	1230	869	4260	1130	327	447
22	190	176	3800	2980	5680	8280	727	708	4880	1430	325	384
23	202	179	2470	2950	6940	8430	1210	756	4960	1390	311	246
24	220	176	1500	2980	4600	8240	1660	640	4190	1430	289	264
25	240	187	1540	3050	4040	7420	1770	491	3570	1150	282	368
26	251	201	1690	3080	5470	5590	1920	493	2790	1100	284	438
27	258	212	2040	3020	8200	4460	2300	1100	2840	888	307	440
28	261	211	2250	2970	9410	3570	1950	7040	3320	815	394	456
29	262	210	2280	2900	9800	2970	1330	10100	3480	724	e1000	436
30	255	227	2290	2800	---	2390	943	9450	3910	634	e700	349
31	203	---	2280	2700	---	3070	---	9530	---	830	e500	---
TOTAL	17226	6310	86577	173940	80771	198450	60380	67868	185900	58213	19133	11376
MEAN	556	210	2793	5611	2785	6402	2013	2189	6197	1878	617	379
MAX	3630	944	7910	12300	9800	10800	4240	10100	15900	4090	1500	600
MIN	132	114	255	2300	308	2390	727	491	2110	634	282	130
AC-FT	34170	12520	171700	345000	160200	393600	119800	134600	368700	115500	37960	22560

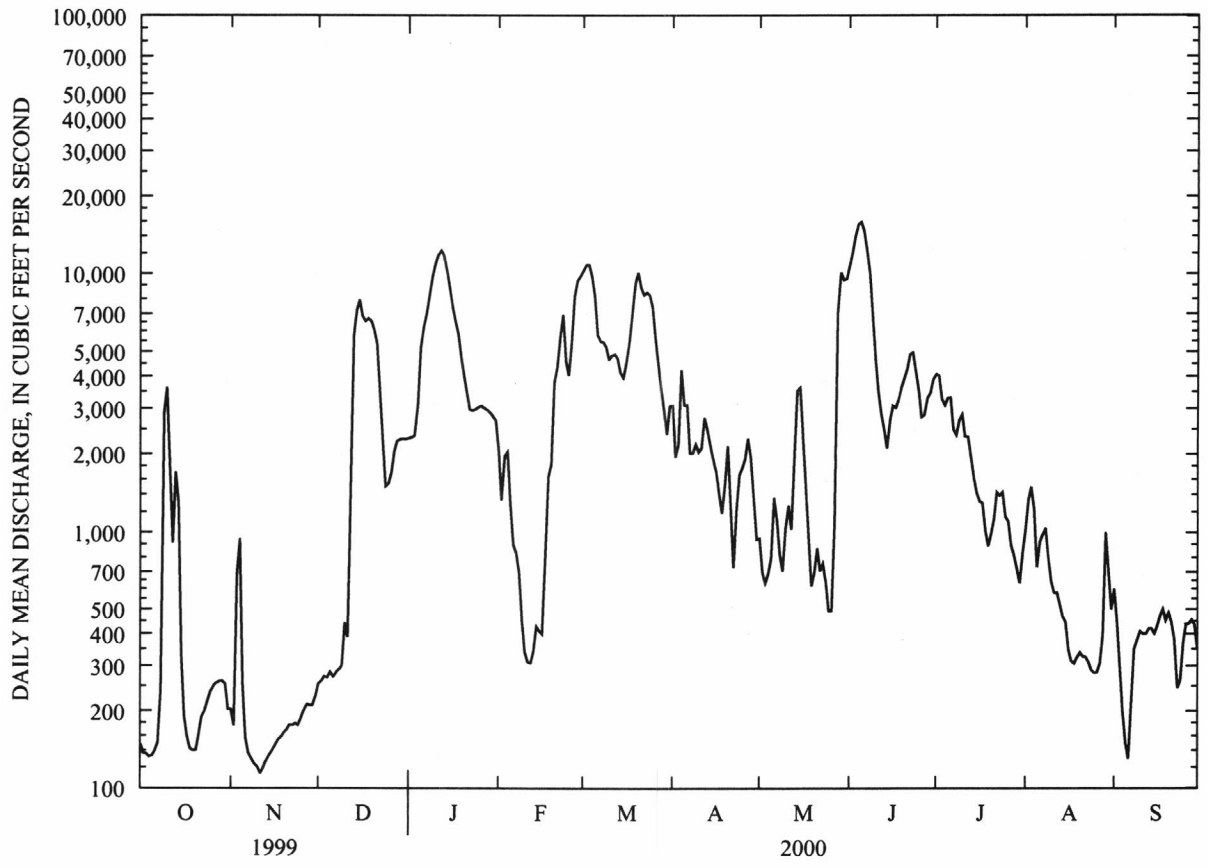
07047904 CLARK CORNER CUT-OFF NEAR COLT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	1918	2589	4419	8881	8264	9710	8420	7494	6220	2539	4461	751
MAX	6365	9381	11000	14820	15660	22320	18450	13850	7873	4303	17420	1452
(WY)	1999	1997	1997	1999	1999	1997	1997	1998	1998	1998	1998	1998
MIN	330	210	1761	5099	2785	2078	2013	2189	4141	1133	402	173
(WY)	1998	2000	1998	1996	2000	1996	2000	2000	1999	1996	1999	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	1992478		966149			
ANNUAL MEAN	5459		2640		5463	
HIGHEST ANNUAL MEAN					8574	1997
LOWEST ANNUAL MEAN					2640	2000
HIGHEST DAILY MEAN	34700	Feb 1	15900	Jun 5	37700	Apr 13 1997
LOWEST DAILY MEAN	114	Nov 11	114	Nov 11	114	Nov 11 1999
ANNUAL SEVEN-DAY MINIMUM	124	Nov 8	124	Nov 8	124	Nov 8 1999
INSTANTANEOUS PEAK FLOW			16100	Jun 5	40800	Apr 12 1997
INSTANTANEOUS PEAK STAGE			30.95	Jun 5	47.57	Mar 14 1997
INSTANTANEOUS LOW FLOW			225	Sep 23	120	Sep 28 1999
ANNUAL RUNOFF (AC-FT)	3952000		1916000		3958000	
10 PERCENT EXCEEDS	13200		7270		12700	
50 PERCENT EXCEEDS	3070		1380		3250	
90 PERCENT EXCEEDS	163		191		343	

[e]Estimated



07047904 CLARK CORNER CUTOFF NEAR COLT--CONTINUED

WATER-QUALITY RECORDS

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, 1,720 mg/L, May 28; minimum daily mean, 45 mg/L, January 30.

SEDIMENT LOADS: Maximum daily, 46,700 tons, May 29; minimum daily, 23 tons, November 11-12 & 14.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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	148	175	70	203	51	28	255	147	101
2	137	172	63	175	51	24	261	134	95
3	136	161	59	688	192	356	274	126	93
4	132	156	56	944	172	439	271	119	87
5	134	147	53	256	97	67	285	112	86
6	140	142	54	157	83	35	273	106	78
7	150	142	57	137	80	30	284	104	80
8	240	306	198	130	78	28	291	99	78
9	2890	1430	11100	124	78	26	302	100	81
10	3630	424	4150	121	75	24	442	108	129
11	1970	425	2260	114	75	23	389	100	104
12	911	321	790	119	71	23	2140	201	1160
13	1700	199	914	127	69	24	5790	387	6050
14	1300	227	798	134	64	23	7200	290	5640
15	330	156	139	139	63	24	7910	336	7170
16	192	139	72	146	63	25	6830	324	5980
17	159	129	55	153	63	26	6550	304	5370
18	143	120	46	157	63	27	6700	272	4920
19	140	115	44	163	64	28	6580	209	3710
20	140	108	41	168	64	29	6050	149	2440
21	162	103	45	176	64	30	5360	123	1780
22	190	96	49	176	64	30	3800	110	1130
23	202	92	50	179	64	31	2470	94	628
24	220	85	50	176	64	30	1500	87	350
25	240	81	53	187	64	32	1540	98	410
26	251	75	51	201	64	35	1690	71	324
27	258	71	49	212	64	37	2040	61	336
28	261	63	44	211	63	36	2250	56	339
29	262	57	40	210	70	39	2280	56	344
30	255	54	37	227	120	73	2290	55	343
31	203	54	30	---	---	---	2280	52	323
TOTAL	17226	---	21517	6310	---	1682	86577	---	49759

07047904 CLARK CORNER CUTOFF NEAR COLT--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	2300	52	323	2100	383	2170	10300	338	9390
2	2320	54	336	1330	840	3020	10800	226	6600
3	2360	65	411	1970	200	1070	10800	164	4800
4	3070	89	739	2050	126	698	9730	152	4000
5	5190	393	5510	1270	136	467	8140	128	2800
6	6200	797	13300	897	151	365	5780	127	1980
7	7000	485	9170	832	145	325	5460	117	1720
8	8310	323	7240	699	149	281	5440	110	1620
9	9700	249	6520	455	221	272	5210	99	1400
10	10900	229	6740	341	211	194	4680	98	1230
11	11800	209	6670	312	183	154	4830	107	1400
12	12300	203	6740	308	164	136	4890	114	1500
13	11700	167	5280	343	152	141	4690	81	1030
14	10300	151	4200	428	161	186	4130	74	826
15	8790	158	3750	411	121	134	3950	83	885
16	7500	141	2860	399	93	100	4520	192	2350
17	6560	122	2170	876	118	279	5490	414	6140
18	5880	112	1770	1640	138	613	7140	473	9130
19	4790	118	1530	1830	370	1830	9140	407	10000
20	4040	118	1290	3790	648	6630	10100	314	8570
21	3500	98	928	4350	511	6010	8810	250	5940
22	2980	81	652	5680	351	5380	8280	254	5680
23	2950	67	532	6940	293	5490	8430	258	5870
24	2980	71	571	4600	256	3180	8240	226	5030
25	3050	73	605	4040	232	2540	7420	208	4170
26	3080	60	503	5470	244	3600	5590	196	2960
27	3020	60	492	8200	277	6130	4460	170	2050
28	2970	55	439	9410	401	10200	3570	153	1470
29	2900	52	407	9800	390	10300	2970	134	1070
30	2800	45	337	---	---	---	2390	218	1400
31	2700	55	401	---	---	---	3070	304	2520
TOTAL	173940	---	92416	80771	---	71895	198450	---	115531
		APRIL			MAY			JUNE	
1	3080	205	1700	946	310	792	10700	518	15000
2	1950	128	676	700	309	584	12100	321	10500
3	2180	352	2070	634	302	516	14000	294	11100
4	4240	373	4270	691	305	570	15600	338	14200
5	3090	236	1960	792	387	828	15900	310	13300
6	3100	198	1660	1360	432	1580	14600	155	6120
7	2010	185	1000	1120	337	1020	12300	130	4300
8	2020	185	1010	822	274	607	10100	127	3460
9	2180	148	874	705	280	532	7150	125	2410
10	2040	124	681	1040	464	1300	4690	122	1550
11	2110	124	709	1270	483	1660	3490	120	1130
12	2770	160	1190	1030	514	1430	2870	117	909
13	2490	152	1020	2100	1500	8490	2500	117	790
14	2180	152	894	3530	1480	14100	2110	117	667
15	1920	149	771	3630	774	7590	2690	122	888
16	1710	148	682	2420	492	3210	3080	145	1210
17	1410	141	538	1550	364	1520	3030	131	1070
18	1190	181	582	1040	299	839	3250	124	1090
19	1520	348	1430	616	272	452	3630	156	1520
20	2150	308	1790	695	281	527	3910	165	1740
21	1230	242	802	869	289	678	4260	159	1830
22	727	232	455	708	228	436	4880	252	3320
23	1210	468	1530	756	200	407	4960	262	3510
24	1660	856	3840	640	178	307	4190	203	2300
25	1770	735	3510	491	158	210	3570	159	1540
26	1920	661	3430	493	149	199	2790	143	1080
27	2300	634	3940	1100	287	853	2840	152	1170
28	1950	484	2550	7040	1720	32800	3320	139	1250
29	1330	358	1280	10100	1710	46700	3480	153	1440
30	943	290	737	9450	1130	28700	3910	214	2260
31	---	---	---	9530	733	18800	---	---	---
TOTAL	60380	---	47581	67868	---	178237	185900	---	112654

07047904 CLARK CORNER CUTOFF NEAR COLT--CONTINUED

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	4090	205	2260	1020	257	709	e600	168	272
2	4030	167	1820	1330	210	754	e450	159	193
3	3260	147	1290	1500	165	670	e300	151	122
4	3090	146	1220	1230	138	459	e200	142	77
5	3300	174	1550	730	133	262	e150	133	54
6	3310	146	1300	916	147	363	e130	122	43
7	2490	136	914	984	131	349	e200	105	57
8	2370	137	876	1040	116	324	e350	104	98
9	2710	158	1160	801	100	215	e380	104	107
10	2860	149	1150	642	83	144	e410	104	115
11	2350	135	855	578	80	125	e400	104	112
12	2330	106	667	580	80	126	e400	104	112
13	1950	84	441	521	81	114	e420	104	118
14	1620	82	359	468	82	104	e420	104	118
15	1420	78	298	447	83	100	e400	109	118
16	1320	77	275	348	84	79	e430	145	168
17	1300	73	255	313	85	72	e470	178	225
18	1020	71	196	306	86	71	500	184	248
19	887	67	160	325	87	76	453	167	205
20	985	69	182	340	88	81	485	160	209
21	1130	113	346	327	89	79	447	155	187
22	1430	129	498	325	90	79	384	146	151
23	1390	117	438	311	91	76	246	138	91
24	1430	104	403	289	92	72	264	147	105
25	1150	99	306	282	92	70	368	162	161
26	1100	98	291	284	93	71	438	156	184
27	888	93	223	307	95	79	440	146	173
28	815	93	205	394	112	120	456	135	166
29	724	93	182	e1000	187	505	436	125	147
30	634	96	164	e700	214	404	349	116	110
31	830	162	364	e500	179	242	---	---	---
TOTAL	58213	---	20648	19138	---	6994	11376	---	4246
YEAR	966149		723160						

e Estimated

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT												
15...	1030	82913	80513	576	756	--	--	6.0	332	19.0	.12	100
NOV												
18...	0920	82913	80513	189	764	77	8.2	7.8	201	12.5	.24	25
DEC												
16...	1400	82913	80513	7080	760	77	9.2	6.7	165	7.5	.09	6710
JAN												
13...	1045	82913	80513	11300	772	107	9.8	7.2	129	20.5	.09	4970
FEB												
09...	1305	82913	80513	635	765	95	11.7	7.6	263	6.5	.12	480
MAR												
08...	1340	82913	80513	5670	760	103	10.1	7.4	161	16.0	.12	1580
APR												
12...	0910	82913	80513	2590	770	77	7.8	7.1	198	15.0	.09	1230
MAY												
11...	1320	82913	80513	1490	756	98	8.1	7.3	261	24.5	.09	1410
JUN												
07...	1530	82913	80513	12100	765	66	5.4	6.8	129	25.6	.09	3070
JUL												
13...	1035	82913	80513	2450	760	93	6.9	7.9	250	30.6	.12	648
AUG												
10...	0850	82913	80513	728	762	79	5.9	7.6	312	30.3	.21	134
SEP												
07...	1050	82913	80513	156	762	79	6.6	7.4	485	24.4	.46	34

DATE	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT											
15...	62	82	96	96	99	100	64	99	99	99	100
NOV											
18...	19	37	93	98	99	100	49	100	--	--	--
DEC											
16...	11	12	53	95	100	--	351	100	--	--	--
JAN											
13...	39	59	98	100	--	--	163	98	99	100	--
FEB											
09...	17	60	99	100	--	--	280	94	98	100	--
MAR											
08...	8	55	95	98	100	--	103	98	99	100	--
APR											
12...	62	95	98	100	--	--	176	100	--	--	--
MAY											
11...	68	94	100	--	--	--	350	98	100	--	--
JUN											
07...	45	73	98	99	100	--	94	99	99	99	100
JUL											
13...	29	64	99	99	100	--	98	97	97	100	--
AUG											
10...	58	82	98	98	100	--	68	99	99	100	--
SEP											
07...	5	11	58	92	100	--	80	98	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 mi².

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	78	5.2	311	64	744	511	93	813	219	147	133
2	12	133	4.7	245	56	693	470	72	748	205	174	138
3	9.0	79	7.5	188	58	639	471	246	676	202	204	136
4	7.8	42	13	139	73	595	478	205	621	196	224	130
5	7.3	24	16	105	75	552	443	189	575	173	233	115
6	7.5	16	17	102	77	518	440	378	533	142	226	100
7	7.7	12	15	115	74	484	424	280	492	115	204	88
8	9.6	7.6	15	123	66	447	410	172	448	98	188	83
9	1170	6.3	21	129	67	415	355	118	401	71	171	78
10	1740	6.7	183	133	74	378	295	335	350	45	139	76
11	1410	8.0	109	121	87	338	373	254	288	40	106	82
12	1500	12	719	111	107	299	593	241	220	43	85	82
13	1400	7.3	2250	105	102	263	480	442	163	35	81	86
14	1110	5.0	2780	90	86	226	437	573	125	34	72	101
15	895	4.6	3170	80	72	191	404	624	902	44	72	111
16	792	4.3	3090	81	63	446	362	647	986	55	78	105
17	696	3.7	2630	81	60	518	324	624	835	60	72	92
18	599	3.3	2090	65	64	522	274	577	901	60	74	84
19	502	3.6	1650	54	71	914	225	527	884	60	78	77
20	428	4.2	1300	47	95	1060	181	480	828	51	97	68
21	349	4.6	1030	43	123	1270	142	452	759	70	100	54
22	268	5.0	905	42	145	1330	112	402	690	92	106	43
23	188	5.3	841	48	165	1150	88	357	623	104	114	39
24	122	6.4	790	47	173	969	217	311	559	96	102	44
25	81	6.3	737	49	173	869	205	263	504	83	101	88
26	56	5.6	684	53	549	821	169	243	450	62	108	129
27	40	5.3	629	60	1120	771	189	490	402	53	114	150
28	27	5.8	570	59	821	720	189	863	347	52	125	173
29	15	6.2	510	53	779	666	163	769	291	59	134	184
30	8.6	5.8	448	54	---	617	127	799	249	80	141	178
31	7.7	---	377	68	---	563	---	837	---	115	141	---
TOTAL	13483.2	516.9	27606.4	3001	5539	19988	9551	12863	16663	2814	4011	3047
MEAN	435	17.2	891	96.8	191	645	318	415	555	90.8	129	102
MAX	1740	133	3170	311	1120	1330	593	863	986	219	233	184
MIN	7.3	3.3	4.7	42	56	191	88	72	125	34	72	39
AC-FT	26740	1030	54760	5950	10990	39650	18940	25510	33050	5580	7960	6040
CFSM	.81	.03	1.66	.18	.36	1.21	.60	.78	1.04	.17	.24	.19
IN.	.94	.04	1.92	.21	.39	1.39	.66	.89	1.16	.20	.28	.21

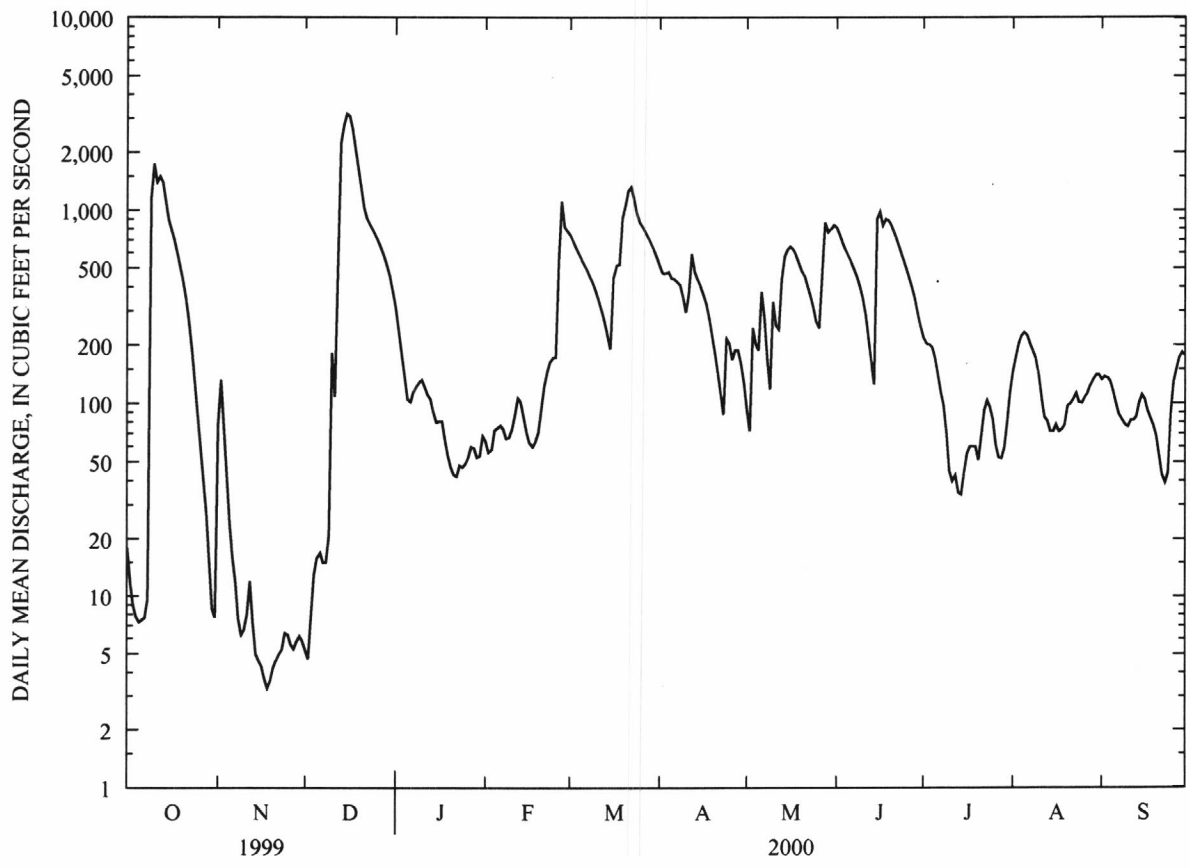
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	310	657	1167	1005	1090	1114	1098	742	505	253	261	433
MAX	1509	2807	3145	2857	4091	2977	3428	3033	2617	1507	800	2784
(WY)	1991	1989	1979	1991	1989	1975	1991	1983	1974	1994	1998	1978
MIN	5.10	9.91	11.9	43.2	151	222	228	39.6	25.3	23.8	63.8	65.1
(WY)	1995	1999	1990	1986	1972	1982	1998	1992	1988	1993	1980	1998

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	208881.6		119083.5			
ANNUAL MEAN	572		325		717	
HIGHEST ANNUAL MEAN					1321	1989
LOWEST ANNUAL MEAN					271	1972
HIGHEST DAILY MEAN	5000	Jan 31	3170	Dec 15	15000	Dec 29 1987
LOWEST DAILY MEAN	3.3	Nov 18	3.3	Nov 18	1.0	Oct 27 1971
ANNUAL SEVEN-DAY MINIMUM	4.0	Nov 15	4.0	Nov 15	1.0	Oct 9 1992
INSTANTANEOUS PEAK FLOW			3740	Dec 15	16600	Apr 29 1991
INSTANTANEOUS PEAK STAGE			13.69	Dec 15	[a]17.34	Dec 30 1987
INSTANTANEOUS LOW FLOW			3.1	Nov 18	.99	Jul 20 1980
ANNUAL RUNOFF (AC-FT)	414300		236200		519600	
ANNUAL RUNOFF (CFSM)	1.07		.61		1.34	
ANNUAL RUNOFF (INCHES)	14.52		8.28		18.22	
10 PERCENT EXCEEDS	1410		815		1870	
50 PERCENT EXCEEDS	258		140		354	
90 PERCENT EXCEEDS	9.6		13		31	

[a]From floodmark



07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT												
15...	0705	82913	80513	923	755	--	--	5.9	252	19.0	--	--
NOV												
18...	0730	80513	80513	3.5	--	--	--	--	--	--	--	--
22...	1130	81213	80513	5.0	748	41	4.3	7.5	350	12.5	120	30
DEC												
17...	0955	82913	80513	2410	760	83	9.8	6.4	144	7.8	--	--
17...	1025	82913	80513	700	760	76	9.1	6.5	115	7.6	--	--
JAN												
13...	0715	82913	80513	106	769	84	7.8	7.2	306	19.5	--	--
26...	1030	81213	80513	52	771	77	10.8	7.7	323	2.1	110	27
FEB												
09...	1415	82913	80513	67	765	93	11.2	7.5	331	7.5	--	--
MAR												
08...	0745	81213	80513	552	776	62	6.4	7.0	276	14.6	97	24
09...	1010	82913	80513	427	760	64	6.3	7.2	285	16.3	--	--
APR												
12...	0730	82913	80513	621	770	53	5.5	6.3	80	14.6	--	--
18...	0830	81213	80513	279	765	60	5.8	7.7	202	17.1	67	17
MAY												
12...	0735	82913	80513	246	756	51	4.3	7.0	194	23.0	--	--
JUN												
08...	0720	82913	80513	451	764	70	6.1	6.7	157	21.9	--	--

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV												
22...	11	11	.6	16	21	115	24	14	.030	1.2	--	<.020
JAN												
26...	10	7.5	.6	15	22	101	20	19	.130	.81	--	.220
MAR												
08...	8.9	7.8	.6	13	21	103	18	11	.010	1.0	--	.060
APR												
18...	5.9	5.4	.4	8.4	20	60	11	14	.110	.95	.220	.240

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV												
22...	1.2	--	.04	--	--	<.010	.25	.120	.080	.270	.30	2.96
JAN												
26...	.68	1.0	.17	--	--	<.010	.12	.070	.040	.190	.32	33.1
MAR												
08...	.99	1.1	.01	--	--	<.010	.15	.060	.050	.180	.24	261
APR												
18...	.84	1.2	.14	.97	.07	.020	.18	.080	.060	.340	.17	94.2

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	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												
15...	--	--	.21	--	--	--	164	77	79	85	92	97
NOV												
22...	219	175	--	K39	87	56	.45	--	--	--	--	--
DEC												
17...	--	--	.09	--	--	--	1070	32	34	38	44	53
17...	--	--	.15	--	--	--	68	70	73	79	86	97
JAN												
13...	--	--	.09	--	--	--	26	98	99	99	99	99
26...	236	160	--	170	410	K39	8.1	--	--	--	--	--
FEB												
09...	--	--	.09	--	--	--	16	97	98	99	100	--
MAR												
08...	175	145	--	200	370	110	94	--	--	--	--	--
09...	--	--	.06	--	--	--	169	97	98	99	99	100
APR												
12...	--	--	.09	--	--	--	399	65	67	69	72	75
18...	125	99	--	K100	110	130	102	--	--	--	--	--
MAY												
12...	--	--	.06	--	--	--	139	98	98	98	98	99
JUN												
08...	--	--	.06	--	--	--	209	95	95	96	98	100

DATE	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLE SOURCE (72005)
OCT												
15...	--	97	100	--	66	100	--	--	--	--	--	--
NOV												
22...	--	--	--	--	33	--	--	--	--	--	99	--
DEC												
17...	--	54	68	100	165	100	--	--	--	--	--	67
17...	--	99	100	--	36	97	97	97	97	97	--	68
JAN												
13...	100	--	--	--	91	99	99	99	99	100	--	--
26...	--	--	--	--	58	--	--	--	--	--	97	--
FEB												
09...	--	--	--	--	90	96	100	--	--	--	--	--
MAR												
08...	--	--	--	--	63	--	--	--	--	--	88	--
09...	--	--	--	--	147	99	100	--	--	--	--	--
APR												
12...	--	77	78	100	238	99	99	99	99	100	--	--
18...	--	--	--	--	136	--	--	--	--	--	99	--
MAY												
12...	--	99	100	--	209	99	99	100	--	--	--	--
JUN												
08...	--	--	--	--	172	99	99	100	--	--	--	--

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)
JUL							
11...	1400	81213	80513	748	48	3.5	7.7
11...	1405	80513	80513	748	50	3.7	7.7
11...	1406	80513	80513	748	47	3.5	7.6
11...	1407	80513	80513	748	48	3.5	7.6
11...	1408	80513	80513	748	47	3.5	7.5
11...	1409	80513	80513	748	47	3.4	7.4
11...	1410	80513	80513	748	46	3.4	7.4
11...	1411	80513	80513	748	46	3.4	7.4
11...	1412	80513	80513	748	46	3.4	7.4
11...	1413	80513	80513	748	46	3.4	7.4
11...	1414	80513	80513	748	47	3.5	7.4

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)
JUL						
11...	591	30.2	--	--	--	--
11...	575	30.4	1.00	30.0	97.0	.50
11...	576	30.3	1.00	30.0	95.0	.50
11...	579	30.3	2.00	30.0	92.0	1.00
11...	580	30.2	2.00	30.0	89.0	1.00
11...	580	30.2	2.00	30.0	86.0	1.00
11...	580	30.2	2.00	30.0	83.0	1.00
11...	581	30.2	2.00	30.0	80.0	1.00
11...	581	30.2	2.00	30.0	77.0	1.00
11...	581	30.2	1.00	30.0	74.0	.50
11...	581	30.2	1.00	30.0	71.0	.50

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUL												
11...	1400	26	230	55	22	4.5	.8	27	20	205	30	32

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JUL												
11...	.160	.91	1.03	1.10	.75	2.0	.21	4.6	.23	.070	.40	.150

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL												
11...	.130	.240	.48	24.7	352	299	46	72	56	7.4	105	99

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
AUG										
09...	1330	82913	80513	145	760	60	4.5	7.4	551	30.2
31...	0815	81213	80513	116	757	55	4.2	7.1	710	28.9
SEP										
06...	1455	82913	80513	77	761	64	5.2	7.2	722	25.3

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
AUG										
31...	290	68	30	4.3	.9	34	20	269	34	29

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG										
31...	.040	.52	.110	.48	.63	.05	<.010	.55	.170	.180

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG										
09...	--	--	--	--	--	.12	--	--	--	58
31...	.250	.58	133	424	362	--	K68	120	84	53
SEP										
06...	--	--	--	--	--	.15	--	--	--	30

DATE	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)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG										
09...	99	99	99	100	147	99	99	99	100	--
31...	--	--	--	--	169	--	--	--	--	89
SEP										
06...	96	99	99	100	144	98	98	100	--	--

07047950 L'ANGUILLE RIVER AT PALESTINE

LOCATION.--Lat 34°58'20", long 90°53'10", in NW1/4 sec.10, T.4 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on U.S. Highway 70 1.0 mi east of Palestine, and at mile 33.6.

DRAINAGE AREA.--786 mi^2.

PERIOD OF RECORD.--October 1965 to September 1977 and October 1997 to current year in reports of Geological Survey. January 1949 to December 1963 in reports of Mississippi River Commission. January 1964 to date in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 166.68 ft above sea level. Prior to Nov. 1, 1949, nonrecording gage. Prior to Jan. 1, 1952, datum of gage was 0.32 ft below sea level.

REMARKS.--No estimated daily discharges. Records fair, except those below 50 ft^3/s which are poor. The stage-discharge relation affected by backwater during high stages of Mississippi River. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1933, 39.7 ft Feb. 13, 1937, at present site and datum, from records of U.S. Army Corps of Engineers (backwater from Mississippi River).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	52	25	641	65	2010	983	113	1290	392	189	169
2	18	103	29	478	69	1830	914	78	1200	300	251	153
3	12	171	34	338	76	1660	926	97	1090	257	269	148
4	6.2	139	34	245	82	1470	1050	268	983	239	287	143
5	3.0	74	42	160	100	1290	1060	379	900	228	315	130
6	1.4	31	37	114	102	1130	1010	817	828	184	330	116
7	.79	10	37	98	91	1010	911	929	755	143	294	103
8	9.4	2.6	47	106	93	902	796	779	667	112	256	88
9	854	.11	54	116	74	796	676	475	580	98	230	80
10	1360	.00	70	125	71	693	581	431	487	82	200	78
11	1530	.00	177	125	97	584	495	540	404	52	162	85
12	1640	.00	677	114	125	480	673	493	307	34	127	95
13	1710	.00	1710	106	148	388	882	745	197	29	101	101
14	1750	.01	2190	103	146	307	991	850	122	28	88	108
15	1710	1.1	2750	85	120	240	975	895	775	25	88	113
16	1650	2.2	3200	68	98	524	832	993	1420	28	95	112
17	1520	5.0	3480	70	74	941	647	1070	1750	44	109	104
18	1350	9.0	3510	72	114	1110	494	1020	2030	65	108	90
19	1210	12	3250	61	181	1340	374	876	2170	72	99	76
20	1080	14	2850	47	174	1560	270	760	2090	68	96	65
21	930	15	2420	37	188	1740	194	674	1950	65	115	50
22	742	16	2080	33	180	1850	143	621	1780	78	135	34
23	502	15	1860	34	175	1860	111	570	1600	112	145	26
24	278	14	1680	36	193	1800	186	478	1420	127	145	20
25	142	18	1510	36	219	1730	395	370	1240	125	138	25
26	80	21	1350	35	760	1640	467	281	1120	113	137	72
27	48	23	1220	41	1770	1520	380	368	1040	90	160	163
28	28	25	1120	51	2050	1370	294	787	878	84	166	205
29	15	25	1030	57	2110	1230	224	1080	701	77	171	222
30	4.4	24	919	59	---	1130	164	1230	527	84	178	215
31	.28	---	795	57	---	1060	---	1310	---	123	179	---
TOTAL	20201.47	822.02	40187	3748	9745	37195	18098	20377	32301	3558	5363	3189
MEAN	652	27.4	1296	121	336	1200	603	657	1077	115	173	106
MAX	1750	171	3510	641	2110	2010	1060	1310	2170	392	330	222
MIN	.28	.00	25	33	65	240	111	78	122	25	88	20
AC-FT	40070	1630	79710	7430	19330	73780	35900	40420	64070	7060	10640	6330
CFSM	.83	.03	1.65	.15	.43	1.53	.77	.84	1.37	.15	.22	.14
IN.	.96	.04	1.90	.18	.46	1.76	.86	.96	1.53	.17	.25	.15

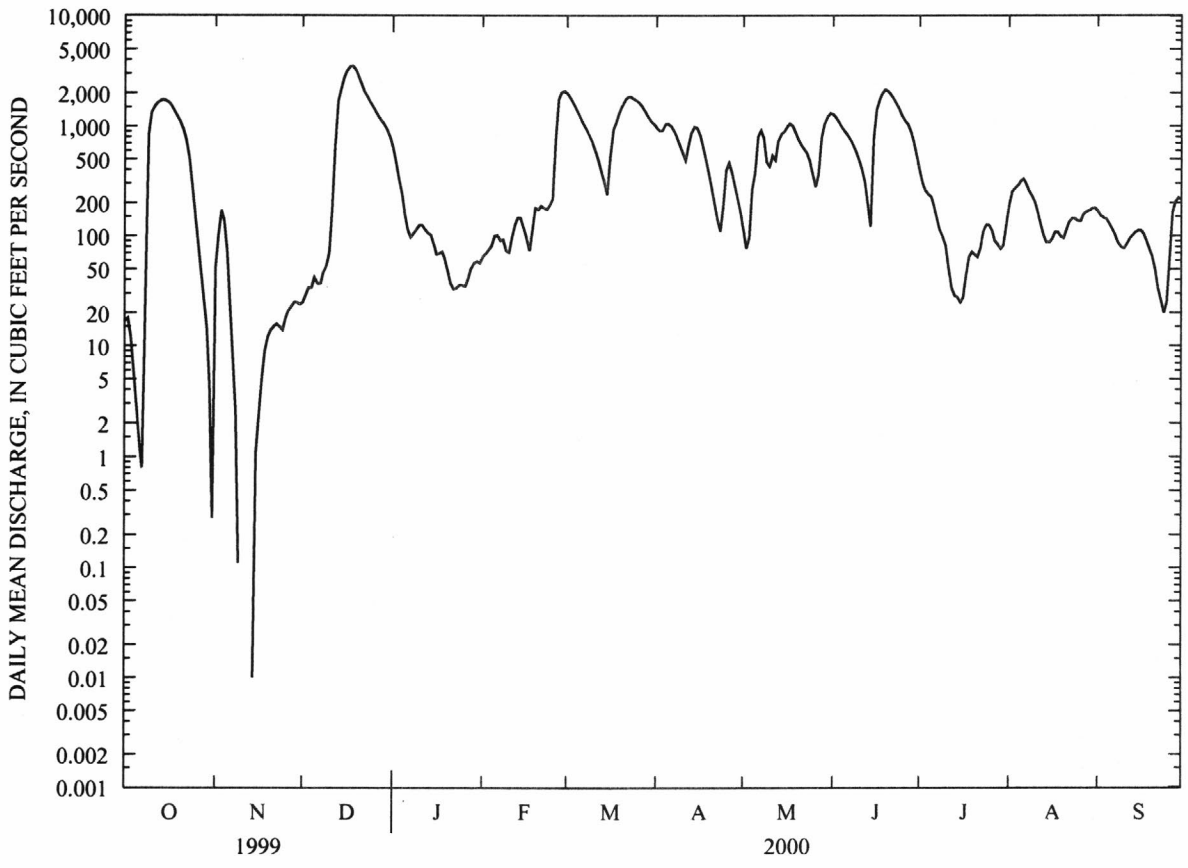
07047950 L'ANGUILLE RIVER AT PALESTINE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-77, 1998-00, BY WATER YEAR (WY)

MEAN	335	659	1176	1592	2330	2103	1694	1499	594	415	423	599
MAX	1670	5578	4736	6531	7854	5720	4938	6587	3919	1636	1713	2130
(WY)	1950	1958	1962	1950	1950	1975	1973	1953	1974	1967	1966	1950
MIN	1.97	.000	3.71	34.5	136	631	200	44.9	26.0	.065	19.0	66.7
(WY)	1964	1955	1966	1963	1963	1972	1967	1959	1952	1954	1954	1954

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950-77,1998-00	
ANNUAL TOTAL	288272.99		194784.49			
ANNUAL MEAN	790		532		1112	
HIGHEST ANNUAL MEAN					2592	1950
LOWEST ANNUAL MEAN					455	1963
HIGHEST DAILY MEAN	5580	Feb 2	3510	Dec 18	15500	May 19 1953
LOWEST DAILY MEAN	.00	Nov 10	.00	Nov 10	.00	Jun 27 1952
ANNUAL SEVEN-DAY MINIMUM	.17	Nov 9	.17	Nov 9	.00	Jul 21 1952
INSTANTANEOUS PEAK FLOW			3570	Dec 17-18	15600	May 20 1953
INSTANTANEOUS PEAK STAGE			23.33	Dec 17-18	[a]30.92	Feb 3 1950
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	571800		386400		805300	
ANNUAL RUNOFF (CFSM)	1.00		.68		1.41	
ANNUAL RUNOFF (INCHES)	13.64		9.22		19.22	
10 PERCENT EXCEEDS	1860		1570		2870	
50 PERCENT EXCEEDS	447		180		463	
90 PERCENT EXCEEDS	18		25		35	

[a]Backwater from Mississippi River



07048480 TOWN BRANCH AT B.R. 62 AT FAYETTEVILLE

LOCATION.--Lat 36°03'24", long 94°10'32", in SW1/4SW1/4 sec.16, T.16 N., R.30 W., Washington County, Hydrologic Unit 11110001, on upstream side of culvert at B.R. U.S. 62 at Fayetteville.

DRAINAGE AREA.--0.86 mi².

PERIOD OF RECORD.--September 1996 to current year.

GAGE.-Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.16	.86	.21	.35	1.0	.97	.77	9.7	.25	.92	.40	.25
2	.16	.02	.34	.76	.97	3.9	.77	.30	.46	6.8	.40	.29
3	.18	.00	5.1	15	1.2	1.9	.71	1.0	.21	.98	.40	.31
4	.25	.00	5.3	1.1	.89	.91	.69	.21	.20	.80	.40	.29
5	.20	.03	.96	.83	.85	.78	.85	.16	3.0	.74	.40	.39
6	.20	.05	.57	.74	.85	.74	.70	7.6	.20	.74	.40	.40
7	.32	.05	.41	.76	.85	.74	.17	.63	.10	.74	.40	.40
8	.34	.08	.25	1.4	.85	1.4	.16	.29	.10	.69	.43	.40
9	.23	.10	11	.80	.83	.78	.10	2.1	5.4	.65	.43	.40
10	.16	.12	1.3	.76	.85	.84	.10	.35	6.0	.65	.40	.40
11	.16	.16	6.1	.75	.96	1.3	5.9	.18	1.6	.65	.40	.41
12	.16	.16	10	.73	.93	.85	.24	.16	.60	.65	.40	7.3
13	.16	.16	.99	.70	.82	.78	.16	.16	.31	.65	.40	.40
14	.16	.16	.76	.68	.85	.74	.14	.16	15	.65	.40	.40
15	.29	.16	.77	.66	.85	.74	.10	.16	1.3	.65	.35	.40
16	.49	.16	.51	.65	.85	.74	1.1	.31	.80	.65	.25	.36
17	.22	.14	.42	.69	7.9	.74	.16	1.0	47	.65	.32	.27
18	.10	.11	.40	.75	2.0	1.0	.14	.31	2.1	.50	.40	.30
19	.10	.15	.38	.72	1.4	.75	.13	.25	1.2	.40	.40	.27
20	.10	.16	.40	.74	1.2	.69	1.2	.25	.81	4.7	.40	.25
21	.14	.16	.40	.74	1.0	.65	.10	.35	39	1.6	.40	.25
22	.16	.23	.39	.74	.97	.94	.10	.18	2.3	1.3	.40	.25
23	.16	5.1	.40	.76	.97	.97	.14	.10	1.1	.54	.40	6.0
24	.23	.53	.40	.74	.98	.83	.05	.49	15	.40	.40	19
25	.25	.40	.40	.78	1.4	.74	.05	6.2	1.4	.40	.43	.89
26	.25	.37	.40	.79	1.1	1.1	.05	3.4	5.6	.40	.34	.68
27	.30	.40	.40	.80	1.0	.78	.06	17	1.1	.89	.28	.72
28	.28	.40	.40	.93	.97	.74	.05	.77	40	.49	.29	.65
29	.23	.40	.40	1.2	.97	1.2	.05	.43	2.4	4.4	.26	.40
30	6.8	.49	.60	1.7	---	.64	.15	.30	1.2	.67	.39	.40
31	2.8	---	1.1	1.3	---	.49	---	.25	---	.56	.33	---
TOTAL	15.74	11.31	51.46	40.05	36.26	30.37	15.09	54.75	195.74	35.51	11.70	43.13
MEAN	.51	.38	1.66	1.29	1.25	.98	.50	1.77	6.52	1.15	.38	1.44
MAX	6.8	5.1	11	15	7.9	3.9	5.9	17	47	6.8	.43	19
MIN	.10	.00	.21	.35	.82	.49	.05	.10	.10	.40	.25	.25
AC-FT	31	22	102	79	72	60	30	109	388	70	23	86
CFSM	.59	.44	1.93	1.50	1.45	1.14	.58	2.05	7.59	1.33	.44	1.67
IN.	.68	.49	2.23	1.73	1.57	1.31	.65	2.37	8.47	1.54	.51	1.87

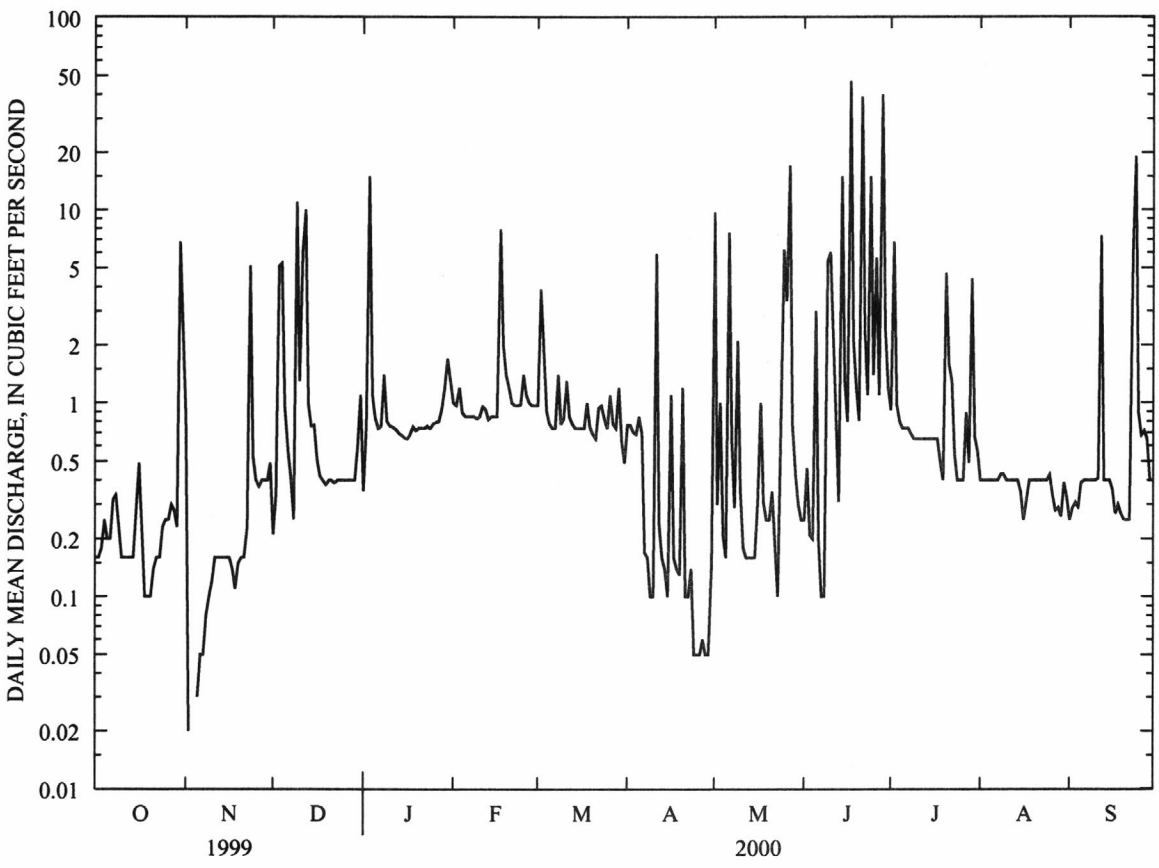
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	1.40	2.18	1.27	1.97	1.90	2.37	1.13	1.78	3.13	.77	.67	1.00
MAX	1.86	5.90	1.66	4.84	3.24	3.99	2.24	3.38	6.52	1.15	1.37	1.44
(WY)	1999	1997	2000	1998	1997	1998	1999	1999	2000	2000	1997	2000
MIN	.51	.38	1.01	.18	1.25	.98	.50	.90	.86	.50	.28	.71
(WY)	2000	2000	1999	1997	2000	2000	2000	1997	1998	1999	1998	1999

07048480 TOWN BRANCH AT B.R. 62 AT FAYETTEVILLE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	590.23		541.11			
ANNUAL MEAN	1.62		1.48		1.63	
HIGHEST ANNUAL MEAN					1.79	1999
LOWEST ANNUAL MEAN					1.48	2000
HIGHEST DAILY MEAN	55	Jun 30	47	Jun 17	77	Sep 26 1996
LOWEST DAILY MEAN	.00	Nov 3	.00	Nov 3	.00	Jan 10 1997
ANNUAL SEVEN-DAY MINIMUM	.03	Nov 2	.03	Nov 2	.00	Jan 10 1997
INSTANTANEOUS PEAK FLOW			[a]479	Jun 28	[a]1440	Jun 30 1999
INSTANTANEOUS PEAK STAGE			5.50	Jun 28	9.11	Jun 30 1999
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	1170		1070		1180	
ANNUAL RUNOFF (CFSM)	1.88		1.72		1.89	
ANNUAL RUNOFF (INCHES)	25.53		23.41		25.70	
10 PERCENT EXCEEDS	4.1		2.0		3.3	
50 PERCENT EXCEEDS	.65		.49		.52	
90 PERCENT EXCEEDS	.16		.16		.11	

[a]From rating extended above 100 ft^3/s on basis of culvert Type IV flow computations



07048490 TOWN BRANCH TRIBUTARY AT HWY 16 AT FAYETTEVILLE

LOCATION.--Lat 36°02'54", long 94°09'42", in SE1/4NE1/4 sec.21, T.16 N., R.30 W., Washington County, Hydrologic Unit 11110001, on upstream side of culvert at State Highway 16 at Fayetteville.

DRAINAGE AREA.--1.36 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.-Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.27	1.0	.23	.12	.22	.50	.87	11	.23	.91	.35	.28
2	.27	.35	.28	.37	.19	9.1	.58	.44	.25	11	.34	.28
3	.27	.29	5.8	16	.29	3.8	.56	1.3	.22	1.1	.34	.28
4	.28	.26	6.5	.29	.17	1.2	.51	.38	1.7	.76	.34	.29
5	.28	.25	.62	.17	.15	.86	.51	.34	1.7	.61	.31	.29
6	.28	.25	.32	.14	.14	.74	.51	9.7	.21	.55	.30	.29
7	.30	.24	.31	.10	.14	.68	.50	.75	.19	.49	.30	.32
8	1.0	.25	.35	.57	.14	3.6	.45	.53	.19	.47	.30	.29
9	.43	.24	11	.12	.14	.76	.45	2.6	8.4	.43	.35	.28
10	.33	.25	.50	.10	.15	.79	.47	.48	4.0	.40	.30	.28
11	.36	.23	6.6	.09	.24	1.6	7.9	.42	1.2	.41	.29	.28
12	.29	.23	9.6	.09	.14	.78	.70	.40	.59	.39	.29	9.9
13	.31	.24	.36	.08	.15	.71	.59	.34	.43	.38	.29	.30
14	.31	.24	.21	.08	.14	.71	.56	.32	17	.35	.29	.28
15	.35	.24	.17	.08	.15	.67	.51	.32	1.1	.34	.28	.29
16	.36	.28	.13	.08	.14	.64	1.5	.44	.66	.34	.28	.28
17	.42	.30	.13	.09	15	.60	.51	1.0	56	.35	.28	.28
18	.28	.35	.14	.09	1.5	1.9	.51	.31	2.0	.33	.28	.28
19	.28	.38	.12	.10	.80	.66	.51	.28	1.3	.31	.29	.29
20	.30	.38	.12	.10	.65	.57	2.1	.28	.89	6.0	.28	.29
21	.27	.38	.11	.10	.59	.57	.49	.41	48	1.4	.28	.28
22	.28	.42	.10	.10	.57	1.1	.45	.28	2.1	.93	.28	.28
23	.28	5.8	.10	.10	.57	1.3	.53	.28	1.2	.40	.28	7.8
24	.29	.26	.10	.10	.52	.75	.45	.88	13	.36	.28	22
25	.33	.21	.10	.10	1.6	.61	.45	7.7	1.3	.35	.28	.58
26	.36	.23	.10	.12	.58	1.5	.45	3.9	5.5	.34	.28	.37
27	.37	.23	.10	.23	.51	.63	.45	18	1.0	1.1	.28	.32
28	.38	.23	.11	.38	.51	.58	.45	.63	48	.36	.28	.31
29	.51	.23	.11	.25	.51	2.3	.45	.36	2.2	4.6	.28	.30
30	7.9	.24	.12	.46	---	.70	.73	.31	1.3	.45	.28	.30
31	3.4	---	.11	.36	---	.61	---	.27	---	.37	.28	---
TOTAL	21.34	14.48	44.65	21.16	26.60	41.52	25.70	64.65	221.86	36.58	9.16	47.89
MEAN	.69	.48	1.44	.68	.92	1.34	.86	2.09	7.40	1.18	.30	1.60
MAX	7.9	5.8	11	16	15	9.1	7.9	18	56	11	.35	22
MIN	.27	.21	.10	.08	.14	.50	.45	.27	.19	.31	.28	.28
AC-FT	42	29	89	42	53	82	51	128	440	73	18	95
CFSM	.51	.35	1.06	.50	.67	.98	.63	1.53	5.44	.87	.22	1.17
IN.	.58	.40	1.22	.58	.73	1.14	.70	1.77	6.07	1.00	.25	1.31

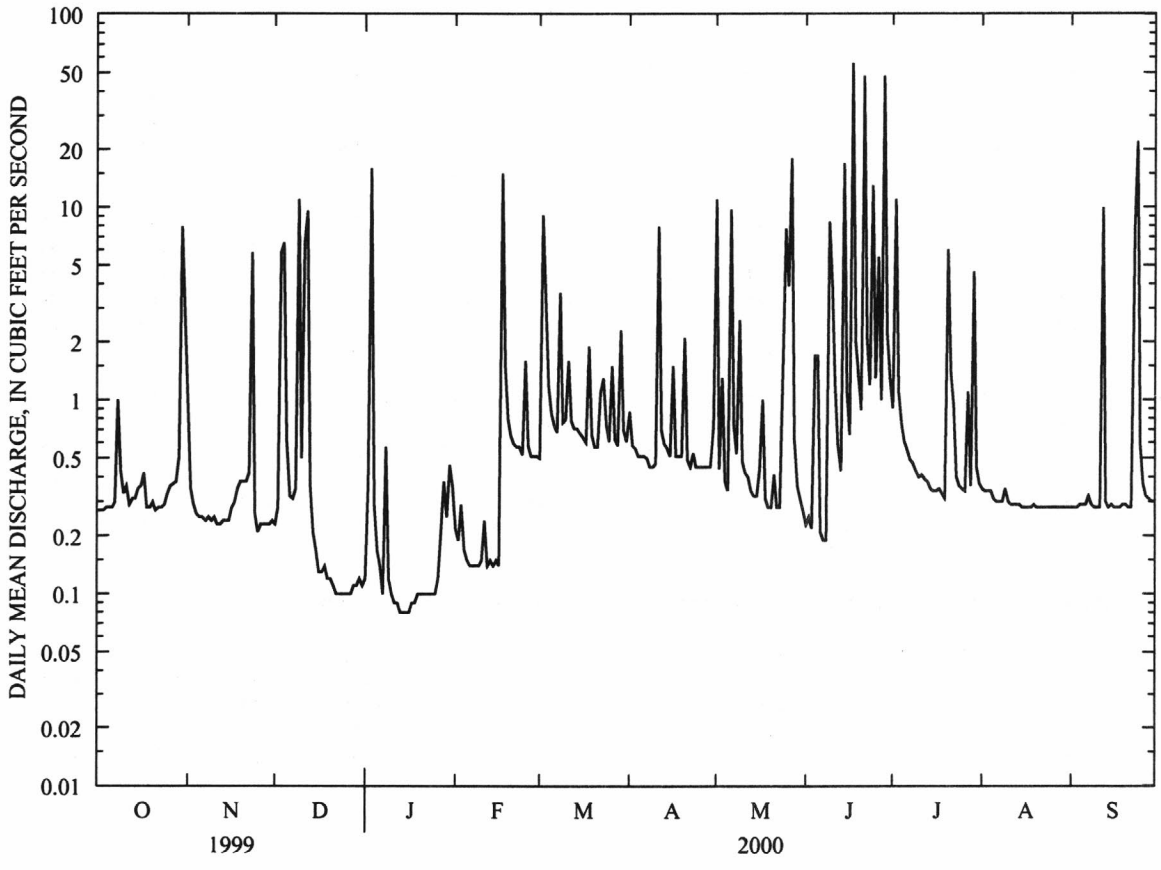
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	1.77	3.03	1.48	2.84	2.91	2.87	1.60	2.49	3.88	1.24	1.06	1.60
MAX	2.50	7.69	1.69	7.60	4.73	5.97	2.12	5.09	7.40	1.75	2.34	2.50
(WY)	1998	1997	1999	1998	1997	1998	1999	1999	2000	1999	1997	1997
MIN	.69	.48	1.37	.68	.92	1.34	.86	1.05	.75	.69	.30	1.02
(WY)	2000	2000	1998	2000	2000	2000	2000	1997	1998	1998	2000	1998

07048490 TOWN BRANCH TRIBUTARY AT HWY 16 AT FAYETTEVILLE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	752.17		575.59			
ANNUAL MEAN	2.06		1.57		2.22	
HIGHEST ANNUAL MEAN					2.54	1997
LOWEST ANNUAL MEAN					1.57	2000
HIGHEST DAILY MEAN	72	Jun 30	56	Jun 17	79	Jan 4 1998
LOWEST DAILY MEAN	.10	Dec 22	.08	Jan 13	.08	Oct 18 1996
ANNUAL SEVEN-DAY MINIMUM	.10	Dec 21	.08	Jan 11	.08	Jan 11 2000
INSTANTANEOUS PEAK FLOW			[a]521	Jun 28	[a]1070	Jun 30 1999
INSTANTANEOUS PEAK STAGE			4.58	Jun 28	7.58	Jun 30 1999
INSTANTANEOUS LOW FLOW			.05	Jan 2	.05	Jan 2 2000
ANNUAL RUNOFF (AC-FT)	1490		1140		1610	
ANNUAL RUNOFF (CFSM)	1.52		1.16		1.63	
ANNUAL RUNOFF (INCHES)	20.57		15.74		22.20	
10 PERCENT EXCEEDS	4.8		2.1		4.6	
50 PERCENT EXCEEDS	.75		.35		.75	
90 PERCENT EXCEEDS	.26		.14		.27	

[a]From rating extended above 100 ft^3/s on basis of culvert Type 1 flow computations



07048600 WHITE RIVER NEAR FAYETTEVILLE

LOCATION.--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.--400 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to September 1994, October 1998 to current year. Annual maximum, water years 1995-98.

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

GAGE.-Water-stage recorder. Datum of gage is 1,138.25 ft above sea level.

REMARKS.--Records good except estimated daily discharges, which are fair. Some regulation at low flow by Lake Sequoyah Dam 0.8 mi upstream. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	17	7.6	67	59	298	242	335	637	781	36	1.3
2	2.3	5.1	12	65	59	286	239	290	616	930	29	1.2
3	2.6	3.5	26	433	60	999	221	247	607	981	25	1.1
4	2.9	4.1	100	400	72	848	200	235	448	678	20	.91
5	2.4	3.7	708	285	85	611	181	202	393	534	17	.73
6	2.5	3.0	379	238	86	515	164	762	311	430	13	.73
7	2.5	3.2	e290	212	83	451	151	1090	252	345	12	.68
8	2.7	2.1	e240	206	81	489	146	672	207	282	11	.91
9	2.8	2.7	e230	196	82	451	135	553	181	227	7.9	1.0
10	3.8	3.2	515	184	79	381	127	517	317	183	7.3	.99
11	3.1	2.2	410	168	78	387	782	421	295	149	6.4	1.0
12	3.1	2.6	4410	155	78	373	885	349	341	123	5.5	14
13	3.0	3.2	2090	142	72	335	582	305	323	106	5.2	3.7
14	3.1	2.4	974	129	73	302	481	277	1070	90	5.2	1.1
15	4.6	3.3	656	119	69	278	421	226	1750	74	4.2	.56
16	5.0	3.8	490	110	64	258	395	194	925	61	4.3	.35
17	4.8	4.5	394	107	239	244	351	182	11300	51	3.7	.28
18	4.6	5.7	327	99	269	229	314	144	7060	45	3.7	.24
19	4.7	12	277	91	267	242	286	131	2500	38	3.2	.30
20	4.5	12	237	87	239	249	322	142	1710	80	2.9	.81
21	4.5	12	203	83	218	228	375	120	15300	77	3.0	1.6
22	4.7	12	176	75	207	222	310	104	7030	67	2.7	2.7
23	4.8	28	155	72	195	212	281	87	2390	57	2.6	17
24	4.6	9.8	139	70	193	223	267	73	1970	46	2.7	99
25	5.3	5.7	124	63	200	249	246	199	1340	36	2.6	16
26	6.1	4.2	110	62	488	255	223	133	1100	30	1.9	13
27	7.3	3.4	97	67	452	360	198	11500	869	29	1.6	9.9
28	8.8	2.8	e75	70	373	336	183	6830	6780	27	1.7	8.2
29	10	3.4	e75	69	326	322	165	1810	2370	81	1.5	7.1
30	15	5.7	e73	62	---	300	150	1120	e1090	91	1.4	7.2
31	25	---	68	60	---	264	---	812	---	51	1.3	---
TOTAL	163.4	186.3	14067.6	4246	4846	11197	9023	30062	71482	6780	245.5	213.59
MEAN	5.27	6.21	454	137	167	361	301	970	2383	219	7.92	7.12
MAX	25	28	4410	433	488	999	885	11500	15300	981	36	99
MIN	2.3	2.1	7.6	60	59	212	127	73	181	27	1.3	.24
AC-FT	324	370	27900	8420	9610	22210	17900	59630	141800	13450	487	424
CFSM	.01	.02	1.13	.34	.42	.90	.75	2.42	5.96	.55	.02	.02
IN.	.02	.02	1.31	.39	.45	1.04	.84	2.80	6.65	.63	.02	.02

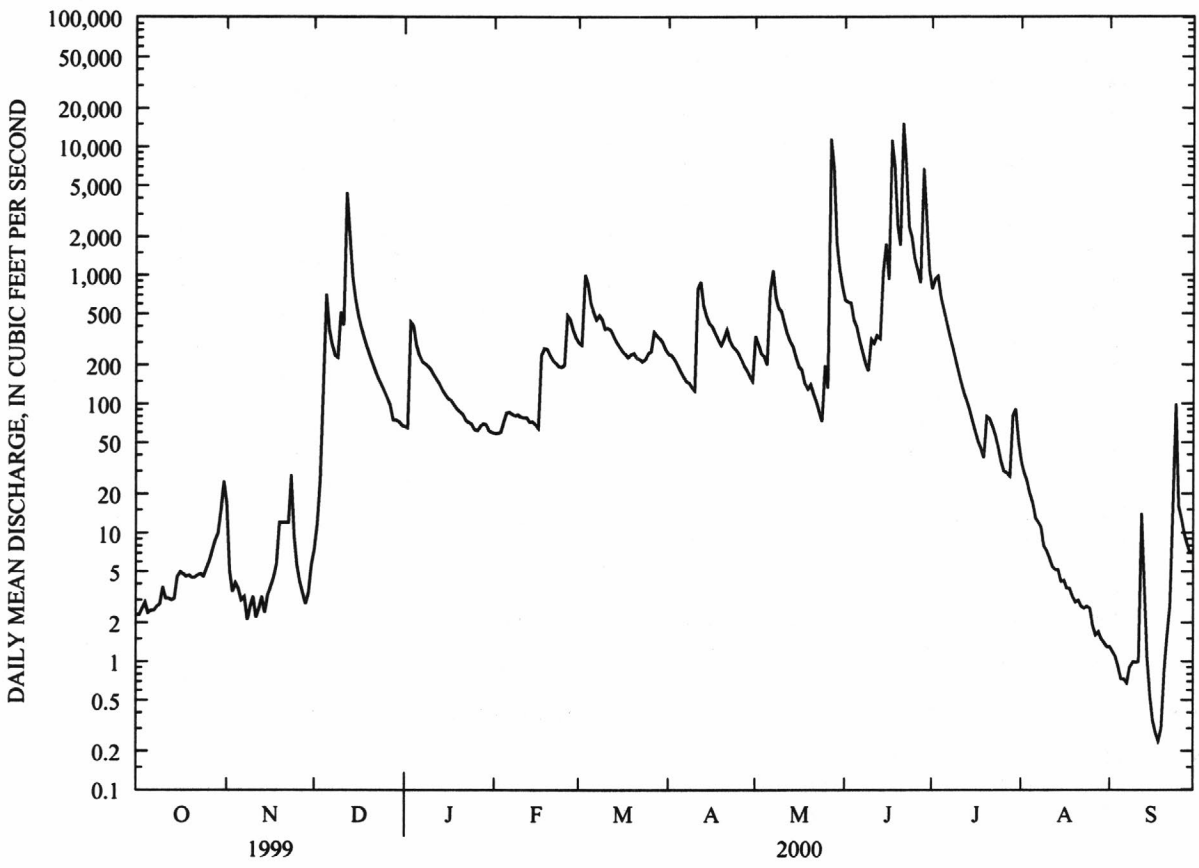
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964-94, 1990-00, BY WATER YEAR (WY)

MEAN	262	646	711	505	769	1091	1097	854	474	78.8	39.5	127
MAX	2353	2808	2365	1287	2438	2828	2745	3615	2383	335	330	1346
(WY)	1971	1986	1988	1991	1989	1973	1973	1990	2000	1979	1981	1974
MIN	1.86	2.13	2.75	5.14	7.23	97.2	293	40.3	18.6	3.75	3.02	2.80
(WY)	1990	1990	1990	1964	1964	1967	1977	1977	1977	1970	1969	1969

07048600 WHITE RIVER NEAR FAYETTEVILLE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964-94, 1999-00	
ANNUAL TOTAL	190370.5		152512.39			
ANNUAL MEAN	522		417		552	
HIGHEST ANNUAL MEAN					1043	1973
LOWEST ANNUAL MEAN					158	1980
HIGHEST DAILY MEAN	7990	Jun 30	15300	Jun 21	48000	Nov 19 1985
LOWEST DAILY MEAN	2.1	Nov 8	.24	Sep 18	.12	Oct 2 1982
ANNUAL SEVEN-DAY MINIMUM	2.5	Oct 1	.52	Sep 14	.28	Oct 18 1989
INSTANTANEOUS PEAK FLOW			28900	Jun 21	[a]81600	Nov 19 1985
INSTANTANEOUS PEAK STAGE			22.27	Jun 21	30.45	Nov 19 1985
ANNUAL RUNOFF (AC-FT)	377600		302500		399700	
ANNUAL RUNOFF (CFSM)	1.30		1.04		1.38	
ANNUAL RUNOFF (INCHES)	17.70		14.18		18.74	
10 PERCENT EXCEEDS	1370		674		1310	
50 PERCENT EXCEEDS	197		102		170	
90 PERCENT EXCEEDS	4.2		2.6		6.1	

[a]From rating curve extended above 35,400 ft^3/s
[e]Estimated



07048600 WHITE RIVER NEAR FAYETTEVILLE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1958 (Aug), October 1975 to September 1981, November 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV										
04...	1200	81213	80513	11	733	63	6.4	7.6	252	13.0
DEC										
09...	1330	81213	80513	188	728	85	9.0	7.1	110	11.0
12...	1715	81213	80513	6350	733	91	10.1	7.8	71	9.2
FEB										
09...	0945	81213	80513	86	733	87	10.5	7.4	155	5.7
APR										
13...	1200	81213	80513	620	735	96	9.4	7.9	92	14.6
MAY										
07...	1700	81213	80513	1020	726	97	8.3	7.6	96	20.4
25...	1010	81213	80513	345	728	82	6.5	7.5	187	24.5
26...	0840	81213	80513	112	731	78	6.2	6.8	140	24.7
27...	1500	81213	80513	18100	727	77	6.7	7.0	84	19.7
JUN										
14...	1900	81213	80513	2460	728	88	7.3	7.8	123	22.7
14...	2240	81213	80513	3180	728	91	7.6	7.4	132	22.0
17...	1315	81213	80513	14400	732	90	8.0	7.9	68	18.9
17...	1745	81213	80513	20600	730	91	8.1	6.9	52	19.1
18...	1140	81213	80513	5060	736	98	8.8	7.0	62	18.6
AUG										
08...	1030	81213	80513	19	732	62	4.7	7.6	195	28.0

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
NOV										
04...	110	35	4.6	3.6	.3	6.7	12	5.3	41	.030
DEC										
09...	39	12	2.1	1.7	.2	2.8	13	2.8	13	.020
12...	24	7.5	1.4	1.5	.1	1.7	12	1.9	7.0	.030
FEB										
09...	54	17	2.7	1.1	.3	5.2	17	5.0	21	<.010
APR										
13...	34	11	1.7	1.2	.2	2.5	13	2.5	9.5	.020
MAY										
07...	40	13	1.9	1.4	.1	1.7	8	2.0	9.3	.100
25...	69	22	3.3	1.5	.3	5.8	15	3.2	25	.040
26...	53	17	2.5	1.6	.2	4.0	14	2.6	16	.050
27...	26	8.3	1.3	2.6	.1	1.4	9	1.4	5.4	.080
JUN										
14...	49	16	2.3	2.3	.2	3.1	11	2.6	12	.050
14...	47	15	2.3	1.8	.2	3.1	12	2.6	12	.060
17...	31	10	1.5	2.8	.1	1.8	10	1.8	5.5	.070
17...	22	6.8	1.2	2.7	.1	1.3	10	1.4	3.2	.050
18...	23	7.1	1.3	1.8	.1	1.6	12	1.5	4.5	.030
AUG										
08...	80	26	3.6	2.0	.2	4.9	11	3.5	18	.080

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV										
04...	.31	.350	.360	.28	.67	.04	1.5	.03	.010	.03
DEC										
09...	.33	.850	.860	.31	1.2	.03	3.8	.03	.010	--
12...	.64	--	1.20	.61	1.8	.04	--	--	<.010	--
FEB										
09...	<.20	--	.800	--	--	--	--	--	<.010	--
APR										
13...	.38	--	.460	.36	.84	.03	--	--	<.010	--
MAY										
07...	.42	--	.290	.32	.71	.13	--	--	<.010	--
25...	.33	--	.210	.29	.54	.05	--	--	<.010	--
26...	.33	--	.230	.28	.56	.06	--	--	<.010	--
27...	2.6	--	.430	2.5	3.0	.10	--	--	<.010	.03
JUN										
14...	.92	.400	.420	.87	1.3	.06	1.8	.07	.020	.15
14...	.91	.390	.410	.85	1.3	.08	1.7	.07	.020	.06
17...	1.9	.390	.400	1.8	2.3	.09	1.7	.03	.010	.34
17...	2.0	.390	.400	2.0	2.4	.06	1.7	.03	.010	.31
18...	.62	--	.580	.59	1.2	.04	--	--	<.010	.09
AUG										
08...	.36	--	.160	.28	.52	.10	--	--	<.010	.03

07048600 WHITE RIVER NEAR FAYETTEVILLE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
04...	.020	.010	.030	171	40	45	K16	1.2	39	93
DEC										
09...	<.020	<.010	.050	--	110	220	280	18	36	96
12...	.050	<.010	.130	44	550	1600	K12000	2860	167	96
FEB										
09...	<.020	<.010	<.020	86	K15	K5	K6	7.4	32	75
APR										
13...	<.020	<.010	.030	59	460	580	420	72	43	93
MAY										
07...	<.020	<.010	.050	58	1900	2000	5800	154	56	90
25...	<.020	<.010	.060	108	1100	410	1600	59	63	84
26...	<.020	<.010	.050	82	1300	K1200	1700	12	39	96
27...	.040	.010	.600	53	15000	K24000	20000	36100	738	96
JUN										
14...	.040	.050	.200	80	9400	11000	31000	1370	206	88
14...	<.020	.020	.140	73	4800	10000	16000	1620	189	93
17...	.110	.110	.420	56	27000	26000	71000	16400	421	93
17...	.100	.100	.520	48	26000	20000	56000	30100	542	96
18...	.030	.030	.140	45	2900	3300	6300	1520	111	92
AUG										
08...	<.020	.010	.030	117	44	49	200	--	--	--

07048800 RICHLAND CREEK AT GOSHEN

LOCATION.--Lat 36°06'10", long 94°00'26", in NW1/4NW1/4 sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11110001, on downstream left end of bridge on Ark. Hwy. 45, 0.9 mi west of Goshen, 0.2 mi upstream from Mill Branch, 0.5 mi upstream from White River.

DRAINAGE AREA.--138 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements water years 1954, 1956-63 and 1987-89. October 1998 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records good. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.1	1.0	6.1	6.1	60	65	31	107	411	19	1.1
2	1.0	1.7	1.0	6.4	5.9	54	59	38	295	315	15	1.1
3	1.1	1.5	3.5	68	6.1	210	55	38	204	264	9.2	1.1
4	1.2	1.4	2.0	72	7.1	290	48	30	135	216	8.0	1.1
5	1.1	1.3	2.0	62	7.7	209	38	25	107	178	7.1	1.0
6	1.1	1.2	12	49	7.5	162	33	54	90	145	5.8	1.0
7	.99	1.3	14	32	7.5	132	29	230	75	124	5.0	1.1
8	1.1	1.3	11	25	8.0	120	27	161	52	111	4.6	1.2
9	1.4	1.3	12	23	8.1	106	25	110	38	94	3.6	1.3
10	1.8	1.3	43	21	8.2	89	23	91	35	79	2.5	1.3
11	1.7	1.2	47	19	8.1	84	42	81	33	65	2.2	1.2
12	1.5	1.1	776	17	7.8	86	157	66	34	52	2.1	1.5
13	1.3	1.1	384	15	7.6	81	138	52	46	41	1.8	1.6
14	1.2	1.1	195	13	7.5	74	105	37	116	35	1.8	1.3
15	1.3	.99	122	13	7.5	66	88	29	277	31	1.7	.99
16	1.3	1.0	77	12	7.5	59	80	25	174	25	1.6	.96
17	1.4	1.0	52	12	20	52	73	22	3470	22	1.4	.96
18	1.4	.98	38	11	61	47	65	21	1910	e18	1.4	.88
19	1.5	.96	30	11	34	43	57	19	530	e15	1.4	.87
20	1.5	.98	23	10	23	44	52	18	402	e15	1.2	.87
21	1.4	1.0	18	9.5	19	40	58	17	4540	14	1.2	.84
22	1.3	1.0	16	8.9	19	35	59	16	2530	13	1.2	.80
23	1.4	1.5	14	8.7	18	35	53	14	818	13	1.1	1.6
24	1.4	1.2	12	8.2	16	39	49	13	609	12	1.1	7.0
25	1.3	1.1	11	7.7	17	44	43	19	439	12	1.1	2.3
26	1.4	1.1	9.8	7.5	52	59	34	15	328	12	.95	1.3
27	1.4	1.1	9.1	7.8	109	64	29	2460	281	11	.92	1.1
28	1.4	1.0	8.4	7.0	85	76	26	1570	2450	11	1.1	1.1
29	1.1	1.0	7.8	6.5	69	80	23	314	1140	20	1.2	.96
30	1.5	1.0	7.4	6.7	---	78	21	208	585	20	1.1	.93
31	2.1	---	6.7	6.2	---	72	---	146	---	19	1.1	---
TOTAL	41.79	35.81	1965.7	582.2	660.2	2690	1654	5970	21850	2413	108.47	40.36
MEAN	1.35	1.19	63.4	18.8	22.8	86.8	55.1	193	728	77.8	3.50	1.35
MAX	2.1	2.1	776	72	109	290	157	2460	4540	411	19	7.0
MIN	.99	.96	1.0	6.1	5.9	35	21	13	33	11	.92	.80
AC-FT	83	71	3900	1150	1310	5340	3280	11840	43340	4790	215	80
CFSM	.01	.01	.46	.14	.16	.63	.40	1.40	5.28	.56	.03	.01
IN.	.01	.01	.53	.16	.18	.73	.45	1.61	5.89	.65	.03	.01

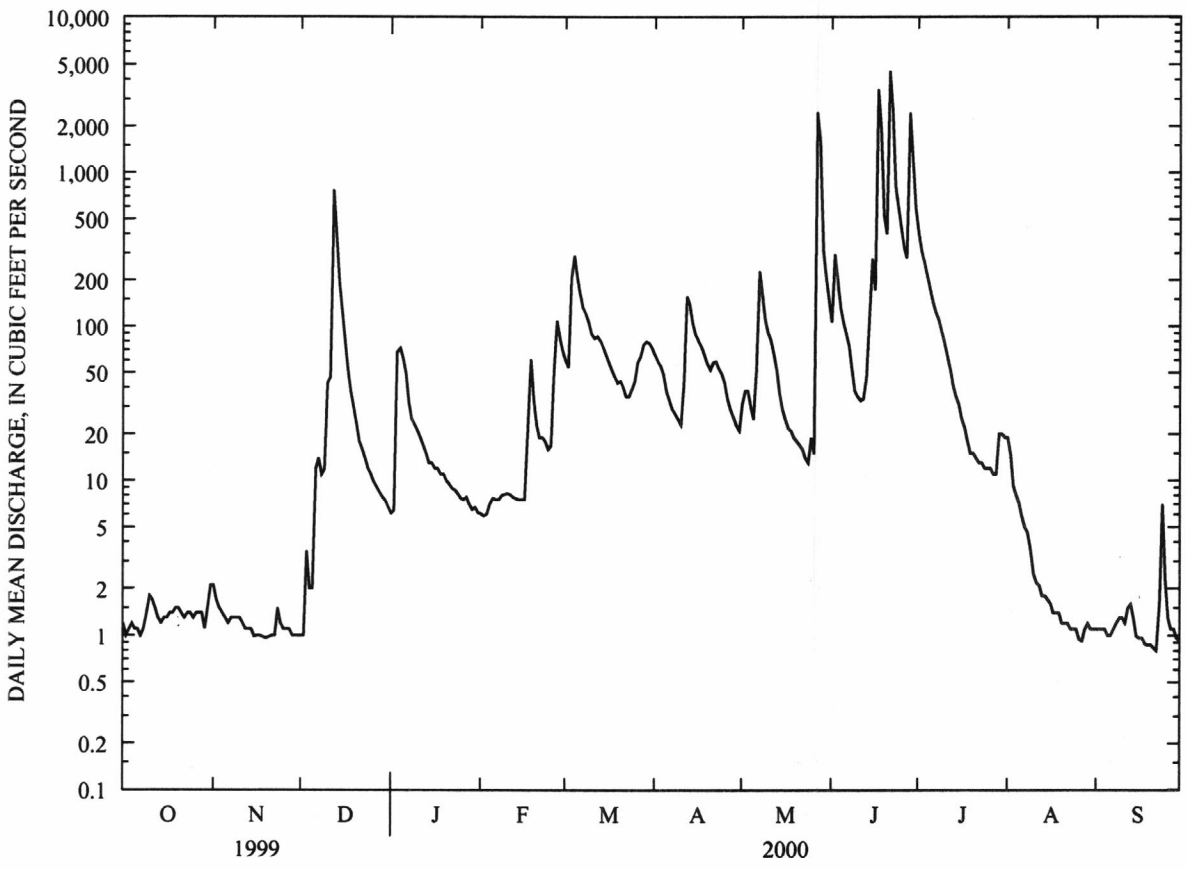
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	26.8	21.4	104	77.6	178	205	264	379	488	95.8	2.73	1.35
MAX	52.2	41.5	145	136	340	323	473	566	728	114	3.50	1.36
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	2000	1999	2000	1999
MIN	1.35	1.19	63.4	18.8	22.8	86.8	55.1	193	247	77.8	1.96	1.35
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	1999	2000	1999	2000

07048800 RICHLAND CREEK AT GOSHEN--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	68597.40		38011.53			
ANNUAL MEAN	188		104		153	
HIGHEST ANNUAL MEAN					203	1999
LOWEST ANNUAL MEAN					104	2000
HIGHEST DAILY MEAN	4060	Jun 30	4540	Jun 21	4540	Jun 21 2000
LOWEST DAILY MEAN	.96	Nov 19	.80	Sep 22	.80	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	.99	Nov 15	.88	Sep 16	.88	Sep 16 2000
INSTANTANEOUS PEAK FLOW			[a]7110	Jun 21	[a]8630	Jun 30 1999
INSTANTANEOUS PEAK STAGE			14.06	Jun 21	16.41	Jun 30 1999
INSTANTANEOUS LOW FLOW			.73	Sep 23	.73	Sep 23 2000
ANNUAL RUNOFF (AC-FT)	136100		75400		110900	
ANNUAL RUNOFF (CFSM)	1.36		.75		1.11	
ANNUAL RUNOFF (INCHES)	18.49		10.25		15.07	
10 PERCENT EXCEEDS	510		158		399	
50 PERCENT EXCEEDS	56		14		36	
90 PERCENT EXCEEDS	1.2		1.1		1.2	

[a]From rating curve extended above 5,200 ft^3/s
[e]Estimated



07049000 WAR EAGLE CREEK NEAR HINDSVILLE

LOCATION.--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, and at mile 22.4.

DRAINAGE AREA.--263 mi^2.

PERIOD OF RECORD.--June 1952 to September 1970, October 1998 to current year. Annual maximum, water years 1971-77 and 1985-98.

GAGE.-Water-stage recorder. Datum of gage is 1,168.06 ft above sea level. Prior to Oct. 1, 1964, at datum 200 ft higher. Prior to Jan. 1, 1965, at same site on right bank.

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

EXTREMES OUTSIDE PERIOD OF RECORD.-Flood of May 10, 1943, reached a stage of 30.1 ft, present datum, from information by local resident (discharge, about 50,000 ft^3/s).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	12	37	33	101	133	75	188	662	52	11
2	12	32	12	37	32	94	121	82	217	465	43	11
3	12	18	23	113	33	153	113	96	250	363	37	11
4	13	14	83	232	34	356	103	88	180	295	34	11
5	12	13	370	214	34	322	90	80	138	228	30	11
6	12	13	223	161	34	257	81	82	113	185	27	10
7	12	13	120	130	35	211	75	233	93	155	26	11
8	13	12	82	113	35	181	69	269	74	131	24	11
9	15	13	75	101	35	157	63	191	65	112	22	11
10	19	13	147	93	35	139	60	153	62	98	20	11
11	16	13	227	85	35	129	73	130	66	86	19	11
12	14	13	2470	78	35	126	321	108	65	78	18	11
13	14	13	1430	72	33	122	269	93	65	76	17	11
14	14	14	520	64	33	112	207	77	84	73	16	11
15	14	14	328	61	32	105	172	69	202	66	15	11
16	14	14	230	57	32	99	151	61	244	59	14	10
17	13	13	176	55	53	92	134	56	5720	53	14	10
18	13	13	142	53	167	88	118	53	6940	50	14	10
19	13	13	120	51	136	85	107	51	1760	46	14	10
20	13	12	102	47	120	86	106	40	999	52	13	9.8
21	15	13	88	45	109	89	140	37	5390	56	12	9.7
22	14	12	77	43	94	82	140	36	4940	64	12	9.9
23	12	21	69	42	84	80	120	33	1460	55	12	16
24	13	23	62	40	77	86	109	31	849	48	20	48
25	13	18	57	38	75	87	104	86	677	43	23	39
26	13	14	52	37	90	96	95	91	486	39	16	24
27	13	14	48	36	119	119	86	2340	377	36	14	19
28	14	13	45	38	126	164	78	2470	2510	35	13	16
29	13	13	44	39	110	161	73	686	2920	47	12	14
30	14	13	41	37	---	164	69	399	1100	77	11	13
31	16	---	39	35	---	153	---	266	---	71	11	---
TOTAL	420	451	7514	2284	1900	4296	3580	8562	38234	3904	625	422.4
MEAN	13.5	15.0	242	73.7	65.5	139	119	276	1274	126	20.2	14.1
MAX	19	32	2470	232	167	356	321	2470	6940	662	52	48
MIN	12	12	12	35	32	80	60	31	62	35	11	9.7
AC-FT	833	895	14900	4530	3770	8520	7100	16980	75840	7740	1240	838

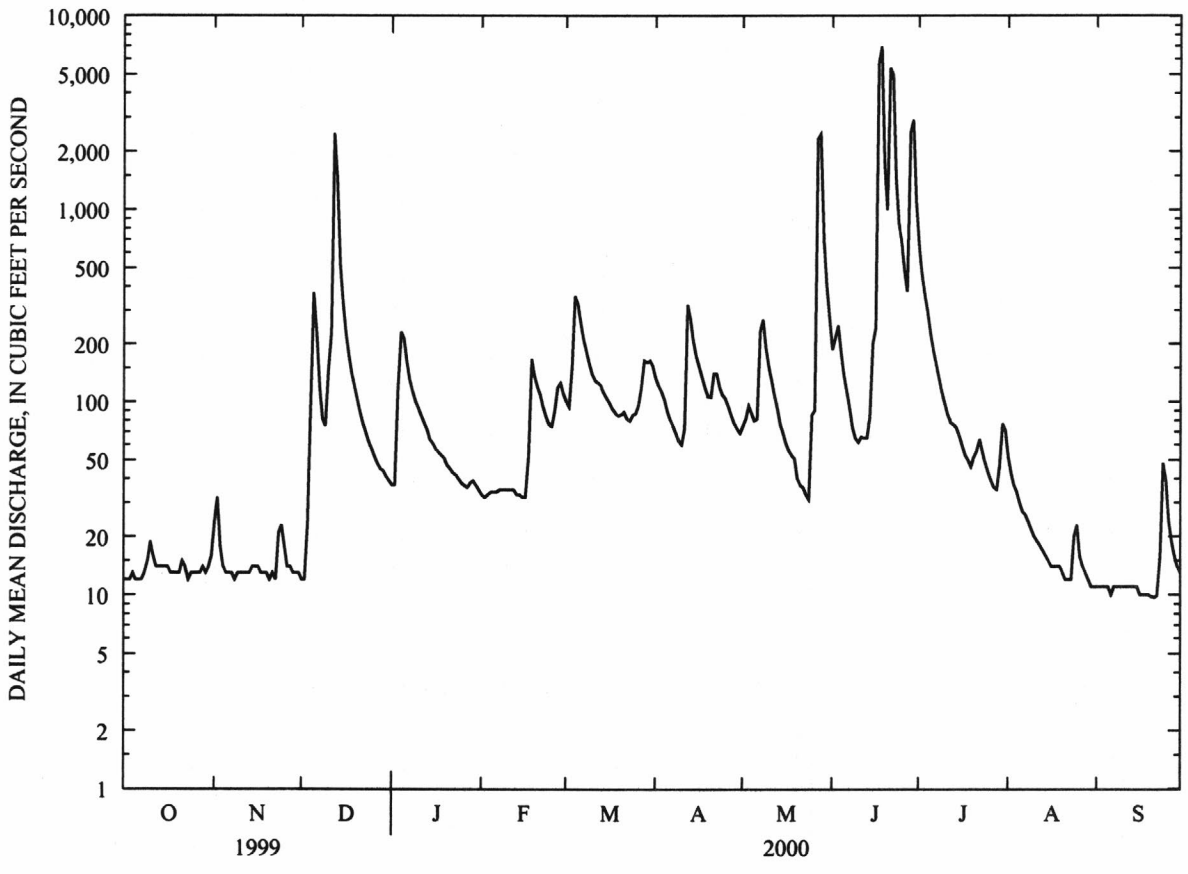
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-70, 1999-00, BY WATER YEAR (WY)

MEAN	123	171	237	208	331	488	628	686	240	141	67.0	52.1
MAX	849	820	1026	640	1176	1228	2254	2582	1274	795	524	344
(WY)	1968	1969	1969	1969	1966	1968	1957	1957	2000	1960	1958	1970
MIN	3.72	7.21	8.03	7.81	15.9	62.0	104	133	23.3	2.63	1.49	2.29
(WY)	1957	1964	1964	1964	1964	1967	1963	1963	1954	1954	1954	1954

07049000 WAR EAGLE CREEK NEAR HINDSVILLE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952-70, 1999-2000	
ANNUAL TOTAL	140420		72192.4			
ANNUAL MEAN	385		197		281	
HIGHEST ANNUAL MEAN					641	1957
LOWEST ANNUAL MEAN					47.7	1954
HIGHEST DAILY MEAN	6370	Jun 30	6940	Jun 18	19000	May 23 1957
LOWEST DAILY MEAN	11	Sep 26	9.7	Sep 21	.20	Aug 18 1954
ANNUAL SEVEN-DAY MINIMUM	12	Sep 26	9.9	Sep 16	.33	Aug 13 1954
INSTANTANEOUS PEAK FLOW			15200	Jun 18	[a]49000	Nov 19 1985
INSTANTANEOUS PEAK STAGE			16.79	Jun 18	[a]28.49	Nov 19 1985
INSTANTANEOUS LOW FLOW			9.6	Sep 20,21	[a].20	Aug 18-19 1954
ANNUAL RUNOFF (AC-FT)	278500		143200		203700	
10 PERCENT EXCEEDS	928		236		583	
50 PERCENT EXCEEDS	162		56		72	
90 PERCENT EXCEEDS	13		12		9.2	

[a]Occurred during period of computation of annual maximum only, water years 1985-98



07049563 PRAIRIE CREEK NORTHEAST OF ROGERS

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 State Highway 35, 6.0 mi south of Sheridan.

DRAINAGE AREA.--2.6 mi^2.

PERIOD OF RECORD.--April to September 2000.

GAGE.-Water-stage recorder.

REMARKS.--Records fair. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September 243 ft^3/s May 23, June 21, gage height 2.25 ft; minimum daily 0.84 ft^3/s June 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

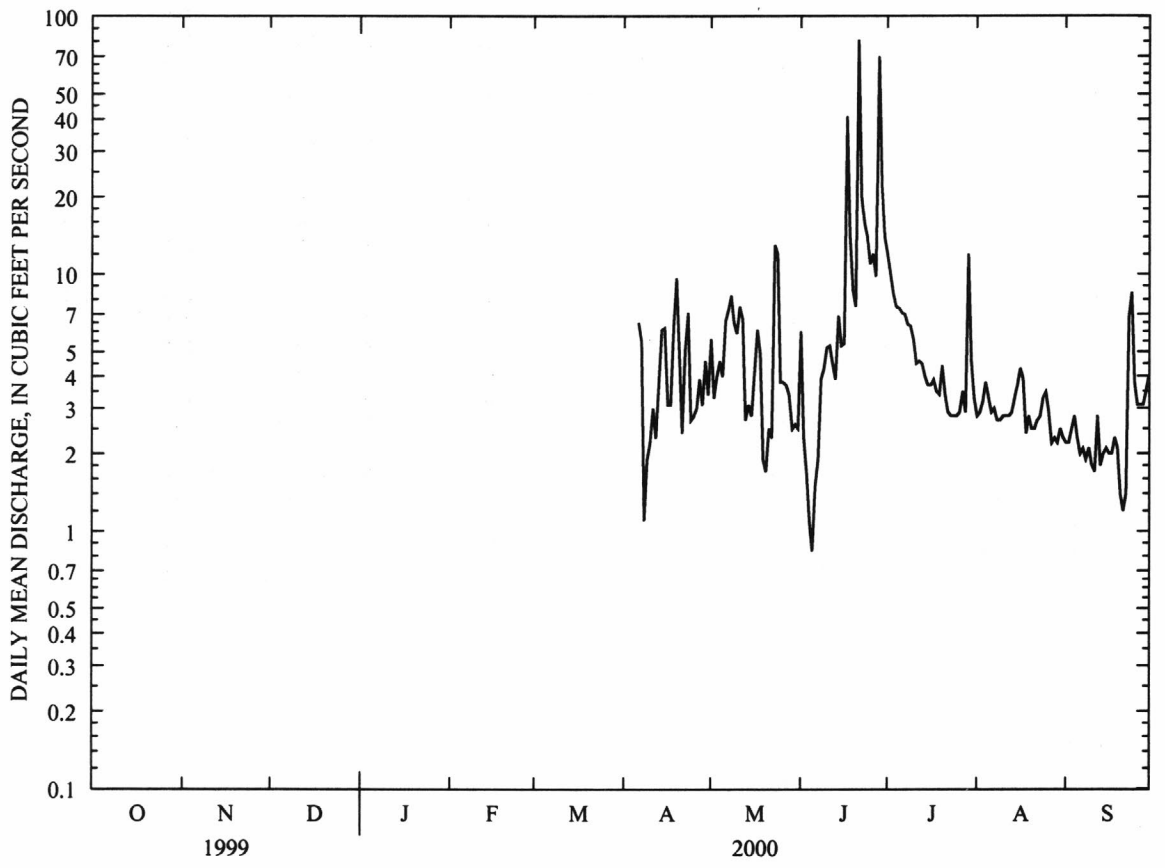
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	5.6	6.0	12	2.8	e2.2
2	---	---	---	---	---	---	---	3.3	2.3	10	2.9	e2.2
3	---	---	---	---	---	---	---	4.0	1.7	8.4	3.2	e2.5
4	---	---	---	---	---	---	---	4.6	1.1	7.5	3.8	2.8
5	---	---	---	---	---	---	---	4.0	.84	7.4	3.3	2.3
6	---	---	---	---	---	---	6.5	6.6	1.5	7.1	2.9	2.0
7	---	---	---	---	---	---	5.5	7.3	1.9	7.0	3.0	2.1
8	---	---	---	---	---	---	1.1	8.3	3.9	6.4	2.7	1.9
9	---	---	---	---	---	---	1.9	6.5	4.3	6.3	2.7	2.1
10	---	---	---	---	---	---	2.2	5.9	5.2	5.6	2.8	1.8
11	---	---	---	---	---	---	3.0	7.5	5.3	4.5	2.8	1.7
12	---	---	---	---	---	---	2.3	6.7	4.5	4.6	2.8	2.8
13	---	---	---	---	---	---	3.9	2.7	3.9	4.5	2.9	1.8
14	---	---	---	---	---	---	6.1	3.1	6.9	4.0	3.3	2.0
15	---	---	---	---	---	---	6.2	2.8	5.3	3.7	3.7	2.1
16	---	---	---	---	---	---	3.1	4.3	5.4	3.7	4.3	2.0
17	---	---	---	---	---	---	3.1	6.1	41	3.9	3.9	2.0
18	---	---	---	---	---	---	6.3	4.9	14	3.5	2.4	2.3
19	---	---	---	---	---	---	9.7	1.9	8.7	3.4	2.8	2.1
20	---	---	---	---	---	---	4.6	1.7	7.5	4.4	2.5	1.4
21	---	---	---	---	---	---	2.4	2.5	81	3.4	2.5	1.2
22	---	---	---	---	---	---	5.1	2.3	20	2.9	2.7	1.4
23	---	---	---	---	---	---	7.1	13	16	2.8	2.8	6.8
24	---	---	---	---	---	---	2.7	12	14	2.8	3.3	8.5
25	---	---	---	---	---	---	2.8	3.8	11	2.8	3.5	3.8
26	---	---	---	---	---	---	3.0	3.8	12	2.9	2.9	3.1
27	---	---	---	---	---	---	3.9	3.7	9.8	3.5	2.2	3.1
28	---	---	---	---	---	---	3.1	3.4	70	2.9	2.3	3.1
29	---	---	---	---	---	---	4.6	2.5	22	12	2.2	3.5
30	---	---	---	---	---	---	3.4	2.6	14	4.6	2.5	4.0
31	---	---	---	---	---	---	---	2.5	---	3.3	e2.3	---
TOTAL	---	---	---	---	---	---	---	149.9	401.04	161.8	90.7	80.6
MEAN	---	---	---	---	---	---	---	4.84	13.4	5.22	2.93	2.69
MAX	---	---	---	---	---	---	---	13	81	12	4.3	8.5
MIN	---	---	---	---	---	---	---	1.7	.84	2.8	2.2	1.2
AC-FT	---	---	---	---	---	---	---	297	795	321	180	160

07049563 PRAIRIE CREEK NORTHEAST OF ROGERS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	4.84	13.4	5.22	2.93	2.69
MAX	---	---	---	---	---	---	---	4.84	13.4	5.22	2.93	2.69
(WY)	---	---	---	---	---	---	---	2000	2000	2000	2000	2000
MIN	---	---	---	---	---	---	---	4.84	13.4	5.22	2.93	2.69
(WY)	---	---	---	---	---	---	---	2000	2000	2000	2000	2000

[e] Estimated



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
06...	1033	80513	80513	742	91	7.9	8.2	142	21.0	179	7.00	.00
06...	1034	80513	80513	742	99	8.6	8.2	148	20.9	179	--	10.0
06...	1035	80513	80513	742	99	8.6	8.2	148	20.9	179	--	20.0
06...	1036	80513	80513	742	100	8.7	8.2	148	20.9	179	--	30.0
06...	1037	80513	80513	742	100	8.7	8.2	148	20.9	179	--	40.0
06...	1039	80513	80513	742	81	7.2	7.7	149	20.3	179	--	48.0
06...	1040	80513	80513	742	65	5.8	7.2	150	19.9	179	--	50.0
06...	1041	80513	80513	742	49	4.4	7.0	150	19.0	179	--	51.0
06...	1042	80513	80513	742	41	3.8	7.0	149	18.4	179	--	53.0
06...	1043	80513	80513	742	34	3.2	6.9	150	17.4	179	--	56.0
06...	1044	80513	80513	742	30	2.9	6.9	151	16.7	179	--	60.0
06...	1045	80513	80513	742	22	2.2	6.8	149	15.7	179	--	66.0
06...	1046	80513	80513	742	20	2.0	6.8	149	15.3	179	--	70.0
06...	1047	80513	80513	742	18	1.8	6.8	148	14.4	179	--	80.0
06...	1048	80513	80513	742	17	1.8	6.7	146	13.4	179	--	90.0
06...	1049	80513	80513	742	19	2.0	6.7	144	12.0	179	--	100
06...	1050	80513	80513	742	19	2.0	6.7	142	11.4	179	--	110
06...	1051	80513	80513	742	18	1.9	6.6	142	10.6	179	--	120
06...	1052	80513	80513	742	13	1.5	6.6	142	10.2	179	--	130
06...	1053	80513	80513	742	9	1.0	6.6	143	9.6	179	--	140
06...	1054	80513	80513	742	7	.8	6.6	145	9.4	179	--	150
06...	1055	80513	80513	742	5	.6	6.6	147	9.1	179	--	160
06...	1056	80513	80513	742	4	.5	6.6	149	9.0	179	--	170
06...	1057	80513	80513	742	5	.6	6.6	151	8.9	179	--	179
NOV												
03...	1258	80513	80513	742	86	8.1	7.9	147	17.4	180	5.20	.00
03...	1259	80513	80513	742	87	8.1	7.9	147	17.5	180	--	10.0
03...	1300	80513	80513	742	86	8.0	7.9	147	17.4	180	--	20.0
03...	1301	80513	80513	742	84	7.8	7.9	147	17.4	180	--	30.0
03...	1302	80513	80513	742	84	7.8	7.9	147	17.4	180	--	40.0
03...	1303	80513	80513	742	82	7.7	7.8	147	17.4	180	--	50.0
03...	1304	80513	80513	742	81	7.6	7.8	147	17.4	180	--	60.0
03...	1305	80513	80513	742	37	3.5	7.2	148	16.7	180	--	65.0
03...	1306	80513	80513	742	3	.3	6.9	148	15.7	180	--	65.0
03...	1307	80513	80513	742	2	.2	6.9	148	15.2	180	--	70.0
03...	1308	80513	80513	742	3	.3	6.8	146	14.0	180	--	80.0
03...	1309	80513	80513	742	4	.4	6.8	146	13.4	180	--	90.0
03...	1310	80513	80513	742	6	.7	6.8	144	12.5	180	--	100
03...	1311	80513	80513	742	6	.7	6.8	142	11.6	180	--	110
03...	1312	80513	80513	742	3	.3	6.7	141	10.9	180	--	120
03...	1313	80513	80513	742	2	.3	6.7	142	10.3	180	--	130
03...	1314	80513	80513	742	6	.6	6.7	143	9.8	180	--	140
03...	1315	80513	80513	742	6	.7	6.7	146	9.4	180	--	150
03...	1316	80513	80513	742	5	.6	6.7	149	9.2	180	--	160
03...	1317	80513	80513	742	5	.5	6.8	152	9.0	180	--	170
03...	1318	80513	80513	742	5	.6	6.8	158	8.9	180	--	180
DEC												
02...	1007	80513	80513	739	77	7.6	7.3	141	14.6	183	4.50	.00
02...	1008	80513	80513	739	74	7.3	7.3	141	14.6	183	--	10.0
02...	1012	80513	80513	739	73	7.2	7.3	141	14.6	183	--	20.0
02...	1013	80513	80513	739	72	7.1	7.3	141	14.6	183	--	30.0
02...	1014	80513	80513	739	72	7.1	7.3	141	14.6	183	--	40.0
02...	1015	80513	80513	739	73	7.2	7.3	141	14.6	183	--	50.0
02...	1016	80513	80513	739	73	7.2	7.3	141	14.6	183	--	60.0
02...	1017	80513	80513	739	73	7.2	7.3	141	14.6	183	--	70.0
02...	1018	80513	80513	739	73	7.2	7.3	141	14.6	183	--	80.0
02...	1019	80513	80513	739	63	6.2	7.2	141	14.5	183	--	90.0
02...	1020	80513	80513	739	4	.5	6.7	140	12.8	183	--	100
02...	1021	80513	80513	739	3	.3	6.6	138	12.0	183	--	110
02...	1022	80513	80513	739	3	.3	6.6	137	11.1	183	--	120
02...	1023	80513	80513	739	3	.3	6.6	138	10.4	183	--	130
02...	1024	80513	80513	739	3	.3	6.6	140	9.9	183	--	140
02...	1025	80513	80513	739	2	.3	6.6	142	9.6	183	--	150
02...	1026	80513	80513	739	3	.3	6.6	145	9.4	183	--	160
02...	1027	80513	80513	739	3	.3	6.7	149	9.1	183	--	170
02...	1028	80513	80513	739	6	.6	6.7	153	9.0	183	--	180
02...	1029	80513	80513	739	6	.6	6.7	153	9.0	183	--	183

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
MAR												
20...	1058	80513	80513	737	94	10.1	7.6	144	10.7	185	8.60	.00
20...	1059	80513	80513	737	91	9.8	7.6	145	10.5	185	--	10.0
20...	1100	80513	80513	737	91	9.9	7.6	144	10.4	185	--	20.0
20...	1101	80513	80513	737	91	9.8	7.6	144	10.4	185	--	30.0
20...	1102	80513	80513	737	90	9.7	7.6	144	10.4	185	--	40.0
20...	1103	80513	80513	737	92	10.0	7.6	144	10.3	185	--	50.0
20...	1104	80513	80513	737	89	9.8	7.5	144	9.6	185	--	60.0
20...	1105	80513	80513	737	85	9.4	7.4	144	9.4	185	--	70.0
20...	1106	80513	80513	737	83	9.3	7.3	144	8.9	185	--	80.0
20...	1107	80513	80513	737	79	8.9	7.2	144	8.6	185	--	90.0
20...	1108	80513	80513	737	79	8.9	7.2	144	8.4	185	--	100
20...	1109	80513	80513	737	75	8.6	7.2	144	8.2	185	--	110
20...	1110	80513	80513	737	71	8.2	7.1	144	7.9	185	--	120
20...	1111	80513	80513	737	71	8.1	7.1	143	7.9	185	--	130
20...	1112	80513	80513	737	70	8.0	7.1	143	7.8	185	--	140
20...	1113	80513	80513	737	67	7.7	7.0	143	7.7	185	--	150
20...	1114	80513	80513	737	66	7.6	7.0	143	7.7	185	--	160
20...	1115	80513	80513	737	65	7.5	7.0	143	7.7	185	--	170
20...	1116	80513	80513	737	62	7.2	6.9	143	7.7	185	--	180
20...	1117	80513	80513	737	59	6.8	6.9	143	7.7	185	--	185
AUG												
16...	1207	80513	80513	745	103	7.6	8.0	135	30.4	181	7.60	.00
16...	1208	80513	80513	745	103	7.6	8.1	143	29.9	181	--	10.0
16...	1209	80513	80513	745	103	7.6	8.1	144	29.8	181	--	20.0
16...	1210	80513	80513	745	113	8.5	8.1	144	29.0	181	--	25.0
16...	1211	80513	80513	745	131	10.0	8.2	144	28.0	181	--	26.0
16...	1212	80513	80513	745	139	10.9	8.3	141	26.7	181	--	28.0
16...	1213	80513	80513	745	127	10.1	8.3	138	25.8	181	--	30.0
16...	1214	80513	80513	745	127	10.2	8.3	138	25.0	181	--	32.0
16...	1215	80513	80513	745	101	8.3	8.0	136	23.9	181	--	34.0
16...	1216	80513	80513	745	81	6.8	7.7	135	22.9	181	--	36.0
16...	1217	80513	80513	745	66	5.6	7.5	133	22.2	181	--	38.0
16...	1218	80513	80513	745	52	4.5	7.4	133	21.7	181	--	40.0
16...	1219	80513	80513	745	33	2.9	7.2	132	20.8	181	--	44.0
16...	1220	80513	80513	745	26	2.3	7.1	134	20.2	181	--	50.0
16...	1221	80513	80513	745	52	4.7	7.1	139	18.8	181	--	60.0
16...	1222	80513	80513	745	58	5.5	7.2	137	16.6	181	--	70.0
16...	1223	80513	80513	745	46	4.6	7.2	136	14.4	181	--	80.0
16...	1224	80513	80513	745	40	4.2	7.2	135	13.1	181	--	90.0
16...	1225	80513	80513	745	37	3.9	7.1	136	11.9	181	--	100
16...	1226	80513	80513	745	34	3.6	7.1	134	11.3	181	--	110
16...	1227	80513	80513	745	31	3.3	7.0	134	10.5	181	--	120
16...	1228	80513	80513	745	26	2.9	6.9	134	9.9	181	--	130
16...	1229	80513	80513	745	22	2.5	6.9	133	9.5	181	--	140
16...	1230	80513	80513	745	17	1.9	6.8	134	9.2	181	--	150
16...	1231	80513	80513	745	11	1.2	6.7	134	9.1	181	--	160
16...	1232	80513	80513	745	8	.9	6.7	134	9.0	181	--	170
16...	1233	80513	80513	745	5	.5	6.6	136	8.9	181	--	180
16...	1234	80513	80513	745	5	.5	6.6	136	9.0	181	--	181
SEP												
12...	0959	80513	80513	740	132	10.0	7.8	155	27.7	180	4.90	.00
12...	1000	80513	80513	740	132	10.1	7.8	155	27.7	180	--	10.0
12...	1001	80513	80513	740	131	10.0	7.9	155	27.7	180	--	20.0
12...	1002	80513	80513	740	131	10.1	7.9	155	27.3	180	--	30.0
12...	1003	80513	80513	740	118	9.2	7.7	153	26.3	180	--	32.0
12...	1005	80513	80513	740	121	9.6	7.4	148	25.4	180	--	36.0
12...	1006	80513	80513	740	116	9.4	7.3	146	24.6	180	--	38.0
12...	1007	80513	80513	740	106	8.7	7.2	145	23.9	180	--	40.0
12...	1008	80513	80513	740	70	5.8	7.1	144	22.8	180	--	44.0
12...	1009	80513	80513	740	37	3.2	6.9	140	22.1	180	--	46.0
12...	1010	80513	80513	740	7	.6	6.9	137	20.7	180	--	50.0
12...	1012	80513	80513	740	7	.6	6.8	140	20.0	180	--	54.0
12...	1014	80513	80513	740	18	1.6	6.8	145	19.0	180	--	60.0
12...	1015	80513	80513	740	38	3.5	6.8	153	17.8	180	--	70.0
12...	1016	80513	80513	740	44	4.2	6.9	152	15.9	180	--	80.0
12...	1017	80513	80513	740	41	4.0	7.0	147	14.3	180	--	90.0
12...	1018	80513	80513	740	33	3.4	7.1	148	12.7	180	--	100
12...	1019	80513	80513	740	26	2.7	7.2	149	11.7	180	--	110
12...	1020	80513	80513	740	18	2.0	7.1	148	11.1	180	--	120
12...	1021	80513	80513	740	11	1.2	7.1	148	10.5	180	--	130
12...	1022	80513	80513	740	7	.8	7.1	147	10.0	180	--	140
12...	1023	80513	80513	740	2	.2	7.0	147	9.7	180	--	150
12...	1024	80513	80513	740	1	.2	7.0	148	9.6	180	--	160
12...	1025	80513	80513	740	1	.2	6.9	150	9.4	180	--	170
12...	1026	80513	80513	740	1	.2	6.9	151	9.2	180	--	180

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 mi².

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1999 to current year.

DISSOLVED OXYGEN: June 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT									
06...	1117	80513	80513	754	78	8.1	7.1	148	13.1
NOV									
03...	1338	80513	80513	747	44	4.6	6.9	148	13.1
DEC									
02...	1048	80513	80513	745	74	7.8	7.0	146	12.0
MAR									
20...	1140	80513	80513	742	88	9.6	7.3	145	10.4

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
16...	1328	80513	80513	746	54	5.8	8.4
16...	1329	80513	80513	746	53	5.7	8.1
16...	1330	80513	80513	746	52	5.6	7.8
16...	1332	80513	80513	746	52	5.6	7.4
16...	1333	80513	80513	746	52	5.6	7.3

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG						
16...	133	11.4	11.0	50.0	5.0	5.50
16...	133	11.3	11.0	50.0	15.0	5.50
16...	134	11.2	11.0	50.0	25.0	5.50
16...	134	11.2	9.00	50.0	35.0	4.50
16...	134	11.2	7.00	50.0	45.0	3.50

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP									
12...	1051	80513	80513	746	92	9.5	7.6	150	12.7

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.3	4.6	6.5	9.2	4.4	5.8	10.0	5.1	7.4	---	---	---
2	9.1	4.8	6.8	7.2	3.6	5.7	8.4	5.3	6.9	---	---	---
3	8.1	4.1	6.2	---	---	---	8.2	5.3	6.8	---	---	---
4	9.8	4.1	6.8	8.4	3.4	5.8	8.5	5.1	6.1	---	---	---
5	9.6	4.6	6.5	7.7	4.1	6.1	8.9	5.5	7.0	---	---	---
6	9.6	3.7	6.7	8.2	5.0	6.2	9.6	5.6	7.2	---	---	---
7	9.2	3.0	5.8	8.2	5.1	6.2	9.0	5.7	7.0	---	---	---
8	7.5	3.3	5.4	8.1	3.7	6.2	8.2	5.3	6.6	---	---	---
9	6.2	3.5	4.9	9.1	3.6	6.4	8.1	5.3	6.8	---	---	---
10	7.6	2.4	4.6	9.8	4.5	6.6	8.9	5.9	7.0	---	---	---
11	6.9	3.4	5.3	8.2	4.5	6.5	8.2	6.3	7.1	---	---	---
12	5.3	2.7	4.3	8.8	5.1	6.6	8.2	5.8	7.0	---	---	---
13	8.7	3.5	5.8	8.0	5.0	6.1	9.8	5.8	7.0	---	---	---
14	7.7	3.7	5.6	8.6	5.1	6.0	9.0	6.2	7.3	---	---	---
15	6.7	3.0	5.1	7.4	4.0	5.7	11.2	7.0	8.7	---	---	---
16	7.6	4.5	5.5	8.7	5.0	6.6	11.2	7.4	8.5	---	---	---
17	8.8	4.6	6.1	7.1	3.3	5.6	12.0	6.7	8.3	---	---	---
18	7.9	2.5	5.1	8.2	3.9	6.2	9.1	6.5	7.4	---	---	---
19	5.6	2.2	3.9	9.0	5.1	6.6	9.6	6.9	7.9	---	---	---
20	5.6	2.0	3.9	9.4	5.7	6.7	10.7	6.7	7.8	---	---	---
21	7.0	2.5	4.7	8.8	4.9	6.4	10.4	6.7	8.2	---	---	---
22	5.7	2.6	4.1	8.4	4.9	5.9	9.4	7.1	8.2	---	---	---
23	9.1	5.1	6.5	8.0	5.0	6.3	10.1	7.1	8.5	---	---	---
24	8.5	5.1	6.2	8.4	5.1	6.4	10.1	6.7	7.9	---	---	---
25	7.0	2.1	4.7	9.2	5.9	7.0	9.1	7.0	7.7	---	---	---
26	7.2	2.2	4.8	9.0	5.5	6.8	11.5	7.8	9.0	---	---	---
27	7.2	3.2	5.5	8.7	5.7	6.7	8.7	6.7	7.7	---	---	---
28	7.4	4.7	5.7	8.9	4.8	6.8	9.9	7.3	8.8	---	---	---
29	7.4	4.5	5.5	9.1	4.2	6.7	9.8	8.3	8.9	---	---	---
30	7.0	4.5	5.2	8.1	4.4	6.1	9.7	6.5	8.7	---	---	---
31	7.8	4.3	5.3	---	---	---	9.2	6.7	8.2	---	---	---
MONTH	9.8	2.0	5.5	---	---	---	12.0	5.1	7.7	---	---	---

		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	12.0	10.4	11.2
3	---	---	---	---	---	---	---	---	---	12.0	10.4	11.1
4	---	---	---	---	---	---	---	---	---	11.9	10.4	11.1
5	---	---	---	---	---	---	---	---	---	11.9	10.4	11.1
6	---	---	---	---	---	---	---	---	---	12.1	10.4	11.1
7	---	---	---	---	---	---	---	---	---	11.8	10.3	11.1
8	---	---	---	---	---	---	---	---	---	11.9	10.1	11.0
9	---	---	---	---	---	---	---	---	---	11.5	9.8	10.6
10	---	---	---	---	---	---	---	---	---	11.3	10.1	10.6
11	---	---	---	---	---	---	---	---	---	11.1	9.8	10.5
12	---	---	---	---	---	---	---	---	---	11.5	9.8	10.6
13	---	---	---	---	---	---	---	---	---	11.5	9.9	10.7
14	---	---	---	---	---	---	---	---	---	11.5	10.3	10.9
15	---	---	---	---	---	---	---	---	---	11.9	10.1	10.9
16	---	---	---	---	---	---	---	---	---	11.6	9.8	10.6
17	---	---	---	---	---	---	---	---	---	11.4	9.8	10.5
18	---	---	---	---	---	---	---	---	---	11.4	9.8	10.6
19	---	---	---	---	---	---	---	---	---	11.9	9.7	10.7
20	---	---	---	---	---	---	---	---	---	11.9	9.7	10.7
21	---	---	---	---	---	---	---	---	---	11.7	9.6	10.7
22	---	---	---	---	---	---	---	---	---	11.6	9.7	10.6
23	---	---	---	---	---	---	---	---	---	13.1	9.4	11.1
24	---	---	---	---	---	---	---	---	---	12.5	9.7	11.0
25	---	---	---	---	---	---	---	---	---	11.6	9.6	10.7
26	---	---	---	---	---	---	---	---	---	11.1	9.3	10.3
27	---	---	---	---	---	---	---	---	---	11.8	9.4	10.2
28	---	---	---	---	---	---	---	---	---	11.5	9.6	10.5
29	---	---	---	---	---	---	---	---	---	11.2	9.5	10.4
30	---	---	---	---	---	---	---	---	---	11.8	9.5	10.5
31	---	---	---	---	---	---	---	---	---	12.4	9.6	10.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.0	9.7	10.8	7.9	7.7	7.8	11.1	6.9	9.2	9.4	5.6	7.5
2	13.6	10.0	11.3	7.8	7.6	7.7	11.1	6.7	8.9	9.7	6.6	8.1
3	11.9	10.1	11.0	9.5	7.6	8.4	10.5	6.2	8.4	9.4	5.6	7.3
4	12.9	10.0	11.2	9.2	7.3	8.3	10.5	6.1	8.1	9.9	6.5	7.7
5	12.1	10.0	11.0	10.2	7.3	8.4	10.5	6.1	8.0	10.6	6.2	8.1
6	12.2	10.5	11.2	10.2	7.2	8.5	10.1	5.7	7.9	9.7	6.2	8.3
7	11.9	10.2	11.1	10.3	7.2	8.5	9.9	5.4	7.8	9.0	6.6	7.6
8	11.7	10.2	10.9	10.6	7.5	9.0	9.7	5.1	7.4	10.1	7.2	8.3
9	12.3	10.0	11.0	9.7	7.7	8.9	9.8	5.0	7.3	9.0	5.9	7.4
10	12.1	9.9	11.0	10.4	7.6	8.7	10.1	6.5	7.8	9.0	6.4	7.5
11	12.0	9.7	10.8	10.6	7.6	9.1	11.2	6.2	8.0	9.5	6.4	7.1
12	12.5	9.9	11.0	10.5	8.0	9.3	11.5	7.3	8.7	---	---	---
13	12.7	9.5	10.9	10.1	7.4	9.0	10.5	7.2	8.5	9.0	4.4	6.3
14	11.4	9.8	10.6	10.3	7.3	9.0	10.1	6.1	7.2	---	---	---
15	11.5	9.8	10.6	10.4	8.4	9.3	10.1	5.9	7.3	---	---	---
16	11.4	9.6	10.5	10.3	8.3	9.1	9.4	6.2	7.4	---	---	---
17	11.3	9.6	10.5	10.7	7.6	9.0	9.2	6.2	7.3	9.0	6.0	7.0
18	12.1	9.7	10.6	10.8	7.3	9.2	9.7	5.9	7.5	---	---	---
19	12.0	9.4	10.6	12.1	9.0	10.1	9.9	7.3	8.3	9.3	5.7	7.2
20	11.7	9.7	10.5	11.0	8.4	9.5	9.3	6.5	7.8	8.9	5.2	6.9
21	11.0	9.3	10.2	11.8	7.5	9.7	10.6	7.0	8.3	9.2	5.1	7.0
22	11.1	8.4	9.4	11.1	8.3	9.4	10.5	6.8	8.4	8.9	4.1	6.3
23	8.5	8.2	8.4	11.7	7.4	9.7	9.5	6.3	7.7	8.3	4.0	7.1
24	8.4	8.2	8.3	11.3	8.6	9.8	10.4	6.6	7.9	8.9	5.6	7.0
25	8.3	8.1	8.2	11.1	8.7	9.8	10.0	7.0	8.5	---	---	---
26	8.2	8.0	8.1	11.2	8.6	9.8	9.7	7.4	8.0	9.5	5.9	7.2
27	9.9	8.0	8.4	10.5	7.0	9.0	10.1	7.0	7.9	9.1	5.8	7.0
28	9.9	7.8	8.7	10.9	7.0	8.9	9.3	6.0	7.6	8.7	5.6	7.0
29	10.0	7.8	8.4	10.7	7.8	9.4	10.4	6.2	8.2	9.1	5.6	6.8
30	7.9	7.8	7.9	11.1	8.3	9.5	10.3	6.0	8.1	8.2	5.6	6.8
31	---	---	---	11.1	6.9	9.1	9.6	5.4	7.9	---	---	---
MONTH	13.6	7.8	10.1	12.1	6.9	9.1	11.5	5.0	8.0	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.1	9.2	10.8	13.1	9.5	10.9	11.9	9.2	10.5	---	---	---
2	14.4	9.2	11.0	11.6	8.9	9.8	12.1	10.0	10.9	---	---	---
3	11.9	9.9	10.8	---	---	---	11.9	10.3	11.0	---	---	---
4	12.8	9.4	10.7	12.1	9.9	11.5	11.3	10.3	10.7	---	---	---
5	13.3	8.8	10.5	12.0	10.1	11.1	10.4	9.1	9.7	---	---	---
6	14.8	9.2	11.1	12.1	9.9	10.7	11.7	8.9	10.2	---	---	---
7	11.8	9.1	10.7	12.2	9.8	10.6	11.6	9.0	10.2	---	---	---
8	12.5	10.3	10.9	12.2	9.6	10.7	11.7	9.3	10.7	---	---	---
9	11.3	10.2	10.6	11.8	9.7	10.8	11.7	9.9	10.8	---	---	---
10	13.4	10.3	11.1	13.8	10.4	11.3	10.7	9.1	9.7	---	---	---
11	12.3	10.3	11.1	12.2	9.3	10.7	10.4	9.0	9.7	---	---	---
12	11.4	10.1	11.0	12.2	9.4	10.7	10.3	9.7	9.9	---	---	---
13	15.5	9.8	11.2	12.0	9.6	10.6	11.0	9.0	9.8	---	---	---
14	13.1	9.6	10.8	12.4	9.6	10.6	10.4	9.0	9.6	---	---	---
15	12.3	9.8	10.9	11.8	9.2	10.6	10.5	8.8	9.8	---	---	---
16	12.2	10.5	11.1	12.3	9.2	10.5	10.3	8.9	9.5	---	---	---
17	13.1	9.2	10.6	12.1	9.4	11.1	11.1	9.2	10.0	---	---	---
18	12.4	9.1	10.7	12.2	10.2	11.1	10.3	9.2	9.7	---	---	---
19	11.6	9.7	11.0	12.3	9.6	10.8	10.6	8.9	9.7	---	---	---
20	11.6	9.1	11.0	12.4	9.1	10.1	9.7	8.8	9.2	---	---	---
21	11.8	9.7	11.2	11.9	9.2	10.3	10.7	8.5	9.4	---	---	---
22	11.7	10.3	11.2	11.9	10.0	10.7	9.9	8.6	9.1	---	---	---
23	13.0	9.0	10.4	12.1	9.9	10.8	10.4	8.7	9.3	---	---	---
24	12.6	8.7	10.0	12.0	9.3	10.5	10.1	8.8	9.4	---	---	---
25	11.9	9.1	11.1	10.7	9.0	9.8	10.2	8.6	9.2	---	---	---
26	12.0	10.0	11.4	11.9	8.9	10.1	10.6	8.8	9.6	---	---	---
27	12.0	9.9	11.1	12.1	9.6	10.7	9.8	8.7	9.1	---	---	---
28	12.1	9.5	10.5	11.7	9.3	10.6	10.4	7.9	9.1	---	---	---
29	12.3	10.1	10.8	11.6	9.1	10.5	10.8	8.9	9.6	---	---	---
30	11.8	10.2	10.7	11.9	9.6	11.2	11.2	9.3	9.9	---	---	---
31	11.5	10.4	10.8	---	---	---	10.8	8.9	9.5	---	---	---
MONTH	15.5	8.7	10.9	---	---	---	12.1	7.9	9.8	---	---	---

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	10.2	8.3	8.8
3	---	---	---	---	---	---	---	---	---	10.7	8.3	8.9
4	---	---	---	---	---	---	---	---	---	11.0	8.3	9.0
5	---	---	---	---	---	---	---	---	---	10.4	8.3	9.1
6	---	---	---	---	---	---	---	---	---	9.5	8.4	8.9
7	---	---	---	---	---	---	---	---	---	10.7	8.5	9.3
8	---	---	---	---	---	---	---	---	---	11.2	8.4	9.4
9	---	---	---	---	---	---	---	---	---	10.5	8.4	9.1
10	---	---	---	---	---	---	---	---	---	10.7	8.2	9.2
11	---	---	---	---	---	---	---	---	---	10.9	8.6	9.5
12	---	---	---	---	---	---	---	---	---	11.4	8.5	9.4
13	---	---	---	---	---	---	---	---	---	12.5	8.2	9.8
14	---	---	---	---	---	---	---	---	---	11.1	7.4	9.1
15	---	---	---	---	---	---	---	---	---	9.4	7.8	8.6
16	---	---	---	---	---	---	---	---	---	10.3	8.3	9.0
17	---	---	---	---	---	---	---	---	---	10.5	8.7	9.4
18	---	---	---	---	---	---	---	---	---	11.0	8.7	9.6
19	---	---	---	---	---	---	---	---	---	10.8	8.4	9.4
20	---	---	---	---	---	---	---	---	---	11.4	8.5	9.2
21	---	---	---	---	---	---	---	---	---	10.5	8.4	9.2
22	---	---	---	---	---	---	---	---	---	10.7	8.4	9.3
23	---	---	---	---	---	---	---	---	---	10.8	8.8	9.5
24	---	---	---	---	---	---	---	---	---	10.6	8.7	9.5
25	---	---	---	---	---	---	---	---	---	10.6	8.7	9.5
26	---	---	---	---	---	---	---	---	---	11.6	8.8	9.5
27	---	---	---	---	---	---	---	---	---	10.9	8.4	9.2
28	---	---	---	---	---	---	---	---	---	12.5	8.6	9.9
29	---	---	---	---	---	---	---	---	---	11.0	8.6	9.5
30	---	---	---	---	---	---	---	---	---	11.1	8.6	9.4
31	---	---	---	---	---	---	---	---	---	10.9	8.4	9.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.9	8.5	9.1	9.8	9.6	9.7	11.8	9.3	10.0	11.6	10.4	11.2
2	13.7	8.6	9.3	10.0	9.6	9.8	11.5	9.3	10.0	13.8	10.4	11.2
3	10.4	8.5	9.1	10.0	9.7	9.8	11.5	9.5	10.0	11.8	10.3	11.0
4	10.3	8.6	9.2	9.9	9.6	9.8	10.9	9.5	9.9	12.1	10.4	11.2
5	11.6	8.5	9.5	9.9	9.1	9.7	11.1	9.5	10.0	11.7	10.4	11.1
6	10.4	8.0	9.0	10.0	9.2	9.8	11.0	9.8	10.1	13.1	10.3	11.4
7	11.1	8.0	9.1	10.0	9.1	9.8	10.9	9.6	10.1	11.7	10.2	11.2
8	11.7	8.0	9.2	10.0	9.1	9.5	11.2	9.7	10.2	11.5	10.4	10.9
9	10.1	8.4	9.0	11.5	9.0	9.6	11.6	9.7	10.2	12.4	10.4	11.2
10	9.6	8.7	9.0	10.6	9.0	9.6	11.1	9.7	10.3	13.4	10.5	11.3
11	10.1	8.6	9.0	10.2	9.1	9.7	11.5	9.8	10.3	11.8	10.4	11.2
12	10.6	8.6	9.2	10.3	9.4	9.7	11.9	9.7	10.3	11.8	10.8	11.4
13	10.8	8.6	9.3	10.0	9.1	9.6	12.1	9.3	10.2	---	---	---
14	9.9	8.5	9.1	10.2	9.0	9.6	10.6	9.5	10.2	---	---	---
15	11.1	8.5	9.3	11.3	9.0	9.8	10.7	9.8	10.3	13.4	10.0	11.3
16	10.4	8.6	9.3	11.0	9.1	9.8	11.2	9.9	10.4	13.5	9.7	11.1
17	10.1	8.6	9.2	10.5	9.2	9.6	11.0	9.9	10.5	12.5	9.6	10.8
18	9.8	8.6	9.1	10.3	9.2	9.7	10.8	10.0	10.4	13.0	9.7	11.1
19	10.2	8.7	9.2	11.7	9.2	9.9	12.1	9.9	10.6	12.5	9.8	11.2
20	10.2	8.7	9.1	11.4	9.4	9.9	12.4	9.8	10.6	11.9	10.5	11.2
21	9.7	8.5	8.9	11.6	9.3	10.0	11.8	9.7	10.5	12.0	9.6	10.9
22	9.0	8.5	8.8	10.1	9.3	9.5	11.7	9.9	10.5	12.1	10.3	11.3
23	9.1	8.9	9.0	11.2	9.2	9.8	12.1	9.8	10.6	12.2	11.2	11.8
24	9.2	9.0	9.1	11.3	9.1	9.9	11.5	10.0	10.6	12.1	10.9	11.5
25	9.3	9.1	9.2	11.2	9.1	9.8	---	---	---	12.1	10.1	11.0
26	9.4	9.2	9.3	11.6	9.1	10.1	11.1	10.1	10.6	13.0	10.0	11.2
27	9.5	9.2	9.4	10.8	9.3	9.8	11.1	10.1	10.7	12.9	9.9	11.1
28	9.4	9.2	9.3	11.7	9.4	9.9	11.2	10.0	10.8	13.7	10.0	11.2
29	9.6	9.2	9.4	11.8	9.3	10.2	11.4	10.1	11.0	14.4	9.8	11.3
30	9.6	9.5	9.6	12.5	9.3	10.1	11.4	10.2	10.9	12.6	9.8	11.2
31	---	---	---	12.8	9.3	10.0	11.7	10.5	11.3	---	---	---
MONTH	13.7	8.0	9.2	12.8	9.0	9.8	---	---	---	---	---	---

07050500 KINGS RIVER NEAR BERRYVILLE

LOCATION.--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.--527 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1939 to September 1975, October 1992 to September 1995, October 1998 to current year. Annual maximum, water years 1976-92, and 1996-98. Monthly discharge only for April 1939, published in WSP 1311.

REVISED RECORDS.--WRD Ark. 1995: 1991 (M), 1992 (M), 1993 (M), 1994 (M).

GAGE.--Water-stage recorder. Datum of gage is 963.10 ft above sea level. Apr. 4 to July 11, 1939, nonrecording gage and July 12, 1939 to Sept. 30, 1951 water-stage recorder at site 5.0 mi upstream at datum 27.71 ft higher. Oct. 1, 1951 to Oct. 22, 1952 and July 18, 1975 to Sept. 30, 1975 nonrecording gage at present site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 4, 1927, reached a stage of about 38.0 ft, present site and datum, from information by local residents, discharge 62,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	25	34	62	63	160	311	148	357	1110	312	36
2	12	25	33	60	62	e100	279	143	586	817	255	42
3	11	28	56	200	62	e300	252	142	1170	647	217	38
4	11	30	78	325	64	553	228	143	497	521	185	31
5	9.7	34	148	304	68	492	207	138	352	437	161	25
6	10	32	139	280	69	426	189	145	276	373	143	21
7	11	30	128	234	66	361	176	165	221	322	126	21
8	12	27	123	206	68	318	161	168	182	286	116	21
9	38	26	161	186	67	280	146	217	153	254	107	21
10	102	29	258	168	e67	249	137	212	137	224	100	20
11	38	29	182	153	e66	237	156	182	135	204	93	19
12	30	29	687	140	e66	220	175	158	126	334	89	17
13	27	29	1940	129	e65	203	250	139	117	369	83	18
14	24	28	762	117	e65	195	313	122	130	310	77	20
15	21	25	461	107	e64	187	280	107	240	258	76	19
16	19	25	333	99	e64	177	256	101	239	216	72	18
17	19	26	258	92	e90	167	235	95	5800	185	69	17
18	16	26	211	90	466	166	215	86	9110	168	67	16
19	15	26	180	86	396	200	200	79	2760	154	65	13
20	17	27	155	81	283	184	186	74	1540	169	63	11
21	17	27	136	78	231	170	174	71	3650	173	59	11
22	17	25	120	76	209	164	170	71	8260	161	57	9.9
23	17	34	108	73	188	157	181	77	2730	152	56	16
24	17	41	98	69	168	150	171	70	1600	142	54	83
25	17	40	88	68	160	146	163	154	1100	134	51	107
26	15	41	80	65	169	145	162	177	794	123	49	97
27	17	36	75	65	159	140	154	789	619	115	57	82
28	18	34	74	67	152	145	142	3970	1960	111	50	68
29	19	33	71	67	172	261	133	1300	4490	927	42	55
30	19	33	69	65	---	436	124	674	1960	527	41	45
31	21	---	66	62	---	357	---	472	---	372	39	---
TOTAL	648.7	900	7312	3874	3889	7446	5926	10589	51291	10295	3031	1017.9
MEAN	20.9	30.0	236	125	134	240	198	342	1710	332	97.8	33.9
MAX	102	41	1940	325	466	553	313	3970	9110	1110	312	107
MIN	9.7	25	33	60	62	100	124	70	117	111	39	9.9
AC-FT	1290	1790	14500	7680	7710	14770	11750	21000	101700	20420	6010	2020
CFSM	.04	.06	.45	.24	.25	.46	.37	.65	3.24	.63	.19	.06
IN.	.05	.06	.52	.27	.27	.53	.42	.75	3.62	.73	.21	.07

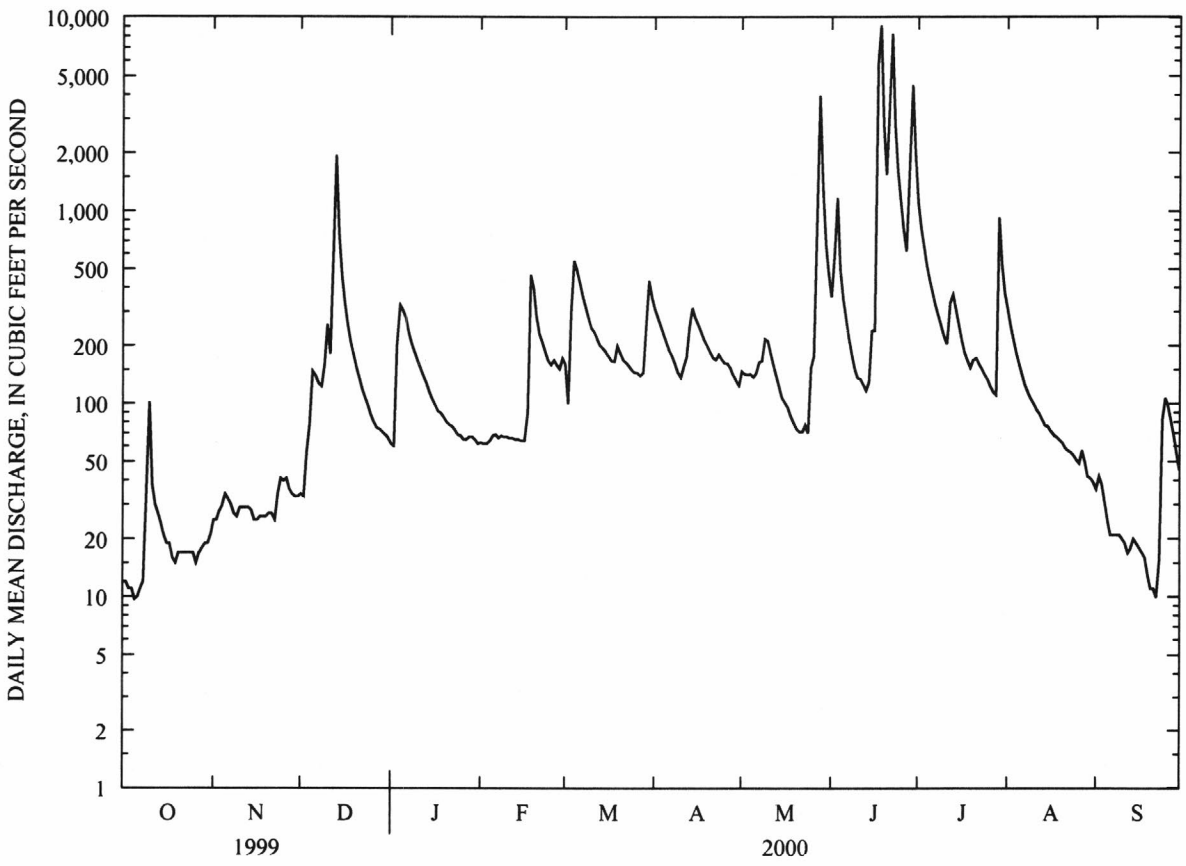
07050500 KINGS RIVER NEAR BERRYVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-75, 1990-00, BY WATER YEAR (WY)

MEAN	195	557	504	579	813	992	1212	1252	544	228	108	122
MAX	1471	2330	2100	2119	2792	3472	5184	4570	2494	1252	923	789
(WY)	1971	1975	1969	1950	1951	1945	1945	1961	1957	1960	1950	1970
MIN	1.49	6.14	14.0	12.9	35.7	94.3	128	199	38.2	9.21	1.08	4.25
(WY)	1964	1964	1964	1964	1964	1972	1963	1963	1972	1954	1954	1953

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939-75, 1993-95, 1999-00	
ANNUAL TOTAL	195491.7		106219.6			
ANNUAL MEAN	536		290		588	
HIGHEST ANNUAL MEAN					1251	1945
LOWEST ANNUAL MEAN					88.3	1954
HIGHEST DAILY MEAN	10400	Jul 1	9110	Jun 18	37300	Apr 15 1945
LOWEST DAILY MEAN	9.7	Oct 5	9.7	Oct 5	.20	Aug 17 1954
ANNUAL SEVEN-DAY MINIMUM	11	Oct 1	11	Oct 1	.40	Aug 13 1954
INSTANTANEOUS PEAK FLOW			13300	Jun 18	[a]66000	Nov 19 1985
INSTANTANEOUS PEAK STAGE			16.44	Jun 18	[a]38.91	Nov 19 1985
INSTANTANEOUS LOW FLOW			9.0	Sep 23	.10	Aug 27-28 1954
ANNUAL RUNOFF (AC-FT)	387800		210700		426200	
ANNUAL RUNOFF (CFSM)	1.02		.55		1.12	
ANNUAL RUNOFF (INCHES)	13.80		7.50		15.17	
10 PERCENT EXCEEDS	1240		436		1350	
50 PERCENT EXCEEDS	256		124		175	
90 PERCENT EXCEEDS	20		20		20	

[a]Occurred during period of computation of annual maximum only, water years 1976-92
[e]Estimated



07050500 KINGS RIVER NEAR BERRYVILLE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV										
04...	1630	81213	80513	28	738	110	11.1	8.4	378	13.5
DEC										
13...	0800	81213	80513	2490	742	92	10.4	6.8	185	8.8
MAY										
25...	1555	81213	80513	318	760	93	8.0	7.8	266	22.5
JUN										
17...	1300	81213	80513	6340	743	92	8.5	7.9	187	17.9
17...	2245	81213	80513	12600	745	96	8.9	7.9	149	17.5
18...	0945	81213	80513	12100	746	94	8.7	8.0	98	18.0
21...	1730	81213	80513	4700	740	97	8.6	8.0	236	19.6
22...	0430	81213	80513	12200	740	82	7.5	7.1	111	18.2
22...	1415	81213	80513	6780	740	101	9.0	6.8	141	19.5
29...	1000	81213	80513	5100	745	92	8.5	7.9	189	18.1

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
NOV										
04...	130	36	9.8	5.1	1	31	33	23	12	.020
DEC										
13...	83	25	4.9	1.9	.1	2.2	5	3.9	7.0	.020
MAY										
25...	110	32	8.0	2.2	.4	9.8	16	7.6	6.0	.030
JUN										
17...	87	22	7.9	3.9	.1	1.5	3	2.0	3.3	.050
17...	67	21	3.6	2.4	.1	1.2	4	1.6	3.7	.030
18...	42	13	2.2	2.1	.1	1.0	5	1.2	2.7	.020
21...	110	30	8.3	2.5	.1	2.1	4	2.8	5.0	.030
22...	47	15	2.3	1.8	.1	1.2	5	1.7	3.2	.020
22...	61	19	3.3	1.7	.1	1.5	5	2.0	3.7	.020
29...	86	27	4.5	2.0	.1	1.6	4	2.3	4.2	.010

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV										
04...	.23	--	.200	.21	.43	.03	--	--	<.010	3.1
DEC										
13...	.82	--	1.70	.80	2.5	.03	--	--	<.010	.15
MAY										
25...	.46	--	.220	.43	.68	.04	--	--	<.010	1.1
JUN										
17...	1.8	.580	.590	1.8	2.4	.06	2.6	.03	.010	1.1
17...	2.5	.770	.780	2.5	3.3	.04	3.4	.03	.010	.18
18...	1.5	.540	.550	1.5	2.0	.03	2.4	.03	.010	.12
21...	.59	--	.880	.56	1.5	.04	--	--	<.010	.37
22...	.94	--	.570	.92	1.5	.03	--	--	<.010	.09
22...	.38	--	.750	.36	1.1	.03	--	--	<.010	.06
29...	.57	--	.930	.56	1.5	.01	--	--	<.010	.15

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
04...	1.10	1.00	1.10	222	K13	K9	30	3.4	44	99
DEC										
13...	.060	.050	.150	114	3000	K6400	K13000	760	113	90
MAY										
25...	.390	.360	.430	152	860	150	720	42	49	92
JUN										
17...	.360	.360	.590	119	K44000	K36000	K38000	6500	380	73
17...	.070	.060	.380	94	13000	9600	K21000	20100	591	77
18...	.050	.040	.290	67	5700	7600	K21000	12700	390	82
21...	.150	.120	.210	140	5400	14000	11000	1840	145	73
22...	.050	.030	.220	78	2000	10000	14000	12400	377	66
22...	.040	.020	.100	89	K670	2500	5400	1900	104	81
29...	.080	.050	.140	111	4300	K3000	K10000	1490	108	84

07050500 KINGS RIVER NEAR BERRYVILLE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
01...	1225	80513	80513	740	104	8.3	7.9
01...	1226	80513	80513	740	104	8.4	7.8
01...	1227	80513	80513	740	103	8.2	7.8
01...	1228	80513	80513	740	103	8.3	7.8
01...	1229	80513	80513	740	103	8.2	7.7
01...	1230	80513	80513	740	103	8.2	7.7
01...	1231	80513	80513	740	103	8.3	7.7
01...	1232	80513	80513	740	104	8.3	7.7
01...	1233	80513	80513	740	105	8.4	7.7
01...	1234	80513	80513	740	105	8.4	7.7

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG						
01...	317	24.9	1.00	70.0	233	.50
01...	317	24.7	1.00	70.0	240	.50
01...	316	24.8	1.00	70.0	247	.50
01...	315	24.8	1.00	70.0	254	.50
01...	314	24.8	1.00	70.0	261	.50
01...	314	24.8	1.00	70.0	268	.50
01...	314	24.9	1.00	70.0	275	.50
01...	314	25.0	1.00	70.0	282	.50
01...	314	25.1	1.00	70.0	289	.50
01...	314	25.1	1.00	70.0	296	.50

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, 0.4 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 low-flow measurements 1964-67, 1987-88.

GAGE.-Water-stage recorder.

REMARKS.--Water-discharge records good, except those below 20 ft^3/s during the period of unstable control conditions July 15 to September 30, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	10	5.7	13	15	20	51	13	29	63	157	16
2	7.7	7.1	5.7	14	14	20	41	10	71	52	128	19
3	9.5	6.6	9.4	31	15	40	32	10	157	40	105	14
4	9.4	6.7	9.2	53	16	92	25	9.4	88	27	85	11
5	7.6	6.7	14	42	18	82	20	9.6	65	18	76	16
6	7.4	6.8	14	33	18	66	18	11	50	13	76	13
7	7.6	8.3	11	27	18	49	17	15	45	13	71	13
8	8.8	9.0	9.3	23	16	38	15	17	49	17	56	13
9	11	6.8	10	23	15	26	14	17	52	14	48	15
10	19	6.5	12	22	16	21	14	17	88	12	42	20
11	22	e6.4	13	19	16	19	14	16	80	9.7	33	20
12	17	e6.3	48	17	15	17	13	16	74	121	27	22
13	14	e6.2	49	16	17	16	12	16	64	84	24	21
14	12	e6.2	31	16	17	14	11	18	79	43	20	21
15	11	e6.1	22	16	15	13	11	18	81	27	15	20
16	11	e6.0	16	17	14	13	12	18	77	18	13	22
17	11	5.9	14	16	24	12	11	18	529	9.0	13	22
18	10	6.1	12	14	82	12	10	17	361	12	15	21
19	8.3	6.2	11	14	66	13	10	18	258	14	13	16
20	7.7	5.9	11	14	57	13	10	18	197	16	14	17
21	7.7	7.1	10	14	50	12	9.4	20	362	15	15	17
22	7.4	7.3	9.4	14	44	11	9.7	20	295	14	17	14
23	7.2	8.0	9.3	15	38	11	11	17	213	13	16	16
24	8.7	6.8	9.4	16	31	11	10	16	168	11	16	29
25	9.2	6.3	9.8	15	29	11	9.1	54	132	8.9	16	26
26	7.1	6.2	11	14	27	11	e8.7	66	97	7.9	16	20
27	6.8	6.4	11	14	26	11	8.4	95	69	8.0	21	16
28	6.5	7.0	11	15	24	10	8.0	105	90	7.4	22	14
29	6.8	7.0	12	15	21	20	8.7	68	118	200	17	12
30	6.4	6.1	12	16	---	70	11	50	80	240	16	12
31	8.1	---	11	16	---	65	---	39	---	194	17	---
TOTAL	301.4	204.0	443.2	604	774	839	455.0	852.0	4118	1341.9	1220	528
MEAN	9.72	6.80	14.3	19.5	26.7	27.1	15.2	27.5	137	43.3	39.4	17.6
MAX	22	10	49	53	82	92	51	105	529	240	157	29
MIN	6.4	5.9	5.7	13	14	10	8.0	9.4	29	7.4	13	11
AC-FT	598	405	879	1200	1540	1660	902	1690	8170	2660	2420	1050
CFSM	.18	.13	.27	.37	.51	.51	.29	.52	2.60	.82	.75	.33
IN.	.21	.14	.31	.43	.55	.59	.32	.60	2.90	.95	.86	.37

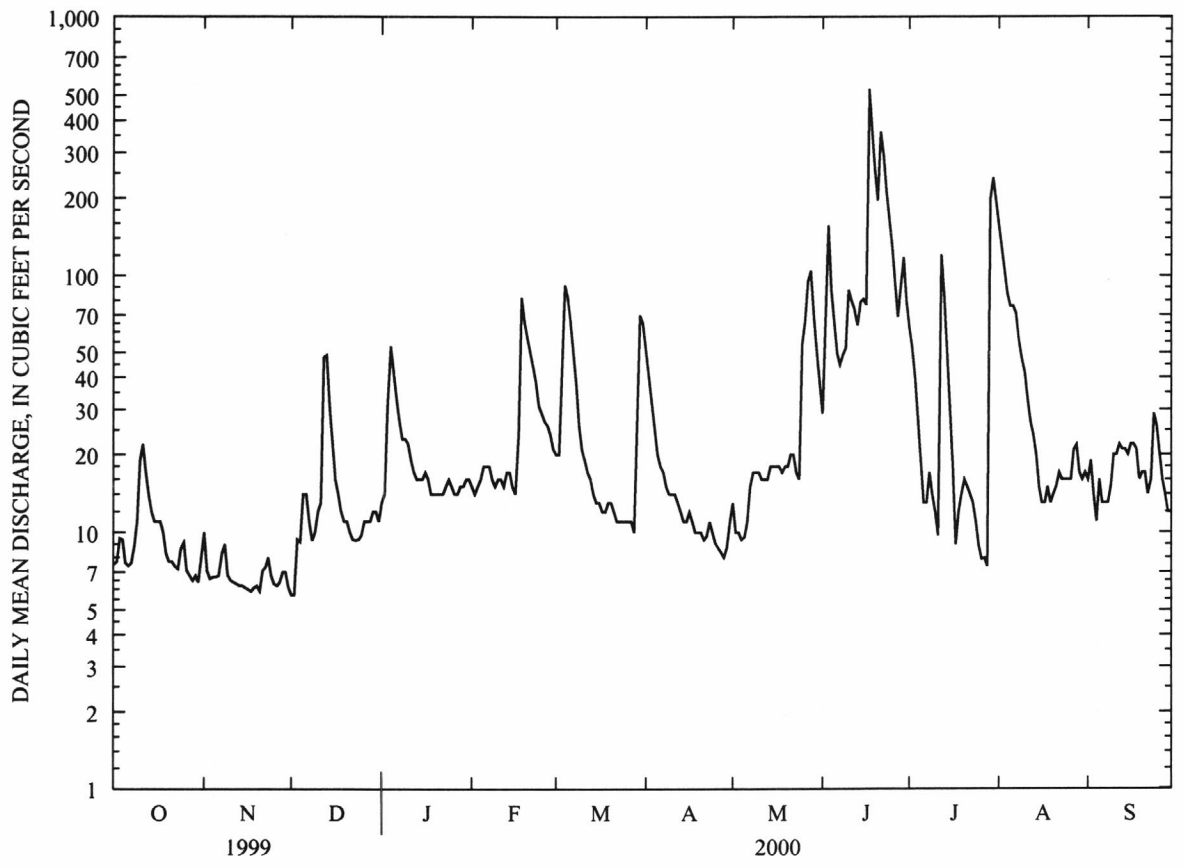
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	13.3	63.5	37.2	71.0	66.3	95.7	77.4	56.1	54.1	30.5	20.2	19.4
MAX	21.3	233	68.3	208	134	175	144	99.9	137	63.2	39.4	45.0
(WY)	1994	1997	1997	1998	1998	1998	1994	1995	2000	1993	2000	1996
MIN	7.71	6.80	14.2	19.5	26.7	27.1	15.2	27.5	12.3	12.8	11.9	8.73
(WY)	1995	2000	1999	2000	2000	2000	2000	1997	1998	1997	1994	1999

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	14249.4		11680.5			
ANNUAL MEAN	39.0		31.9		49.5	
HIGHEST ANNUAL MEAN					63.0	1994
LOWEST ANNUAL MEAN					31.9	2000
HIGHEST DAILY MEAN	354	Feb 7	529	Jun 17	1940	Jan 5 1998
LOWEST DAILY MEAN	5.7	Dec 1	5.7	Dec 1	2.5	Feb 9 1998
ANNUAL SEVEN-DAY MINIMUM	6.1	Nov 14	6.1	Nov 14	3.0	Feb 4 1998
INSTANTANEOUS PEAK FLOW			1290	Jun 17	[a]3740	Jan 5 1998
INSTANTANEOUS PEAK STAGE			8.07	Jun 17	10.05	Oct 15 1997
INSTANTANEOUS LOW FLOW			5.7	[b]Nov 20,30	2.3	Feb 9,10 1998
ANNUAL RUNOFF (AC-FT)	28260		23170		35850	
ANNUAL RUNOFF (CFSM)	.74		.60		.94	
ANNUAL RUNOFF (INCHES)	10.04		8.23		12.74	
10 PERCENT EXCEEDS	91		75		114	
50 PERCENT EXCEEDS	21		16		23	
90 PERCENT EXCEEDS	7.4		7.4		9.2	

[a]From rating curve extended above 930 ft^3/s
[b]Also Dec. 1-2
[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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
OCT												
21...	0820	80020	80513	7.7	730	94	9.5	8.4	355	13.1	170	21
NOV												
17...	0810	80020	80513	5.9	728	87	9.1	8.0	360	11.2	170	13
DEC												
21...	1045	80020	80513	10	735	97	11.4	8.3	356	6.8	160	18
JAN												
24...	1440	80020	80513	17	730	97	10.8	8.5	340	8.6	160	29
FEB												
22...	1530	80020	80513	43	727	128	12.7	8.3	360	13.8	160	26
MAR												
15...	0815	80020	80513	14	726	99	10.7	7.9	361	9.8	160	16
APR												
11...	1330	80020	80513	15	730	113	11.1	8.0	349	14.1	160	--
25...	1215	80020	80513	8.9	728	116	10.8	8.2	325	16.6	--	--
MAY												
10...	0900	80020	80513	17	727	88	8.3	7.7	368	15.4	170	12
23...	1200	80020	80513	17	719	102	8.8	8.2	321	20.0	--	--
JUN												
07...	0850	80020	80513	42	732	90	8.4	7.4	373	16.8	170	14
19...	1210	80020	80513	257	729	95	8.6	8.0	337	17.8	--	--
JUL												
05...	1530	80020	80513	17	726	131	10.3	7.8	356	24.8	160	23
19...	0800	80020	80513	14	744	91	7.8	7.5	460	21.4	--	--
AUG												
03...	1615	80020	80513	99	726	113	9.0	7.9	363	24.3	170	18
16...	0955	80020	80513	13	731	89	7.3	7.8	376	22.9	--	--
SEP												
06...	1450	80020	80513	13	729	117	9.1	7.8	355	26.0	170	32
19...	0720	80020	80513	17	723	72	6.4	8.1	374	18.1	--	--

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT												
21...	62	3.1	2.2	.1	4.1	5	150	146	178	0	9.3	<.10
NOV												
17...	64	3.0	2.3	.1	4.0	5	156	159	194	0	10	<.10
DEC												
21...	59	3.2	2.0	.2	4.9	6	140	142	173	0	11	<.10
JAN												
24...	60	3.2	2.2	.2	4.8	6	137	134	163	0	11	<.10
FEB												
22...	59	3.4	2.4	.2	5.6	7	135	134	164	0	11	<.10
MAR												
15...	59	3.4	2.4	.2	5.2	6	146	147	179	0	11	<.10
APR												
11...	57	3.1	2.3	.2	4.3	6	156	157	192	0	8.9	<.10
MAY												
10...	61	3.2	2.2	.2	4.7	6	154	154	188	0	9.8	<.10
JUN												
07...	62	3.5	3.5	.2	5.2	6	155	155	189	0	10	<.10
JUL												
05...	58	3.6	3.3	.2	4.6	6	140	138	168	0	9.4	<.10
AUG												
03...	62	3.3	3.2	.1	4.2	5	149	149	182	0	8.3	<.10
SEP												
06...	62	3.1	2.9	.2	4.5	5	134	135	165	0	9.0	<.10

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)
OCT											
21...	9.7	4.6	<.020	E.10	E.09	--	--	3.06	--	--	--
NOV											
17...	8.8	3.9	<.020	E.10	E.09	--	--	2.55	--	--	--
DEC											
21...	8.0	4.6	<.020	E.10	E.08	--	--	4.83	--	--	--
JAN											
24...	5.6	6.1	<.020	E.10	.11	--	--	3.91	4.0	--	--
FEB											
22...	7.6	7.1	<.020	.12	.22	4.7	4.56	4.57	4.8	20	.05
MAR											
15...	8.1	6.7	<.020	.10	.13	4.2	--	4.08	4.2	--	--
APR											
11...	9.2	5.7	<.020	.11	.14	3.7	--	3.58	3.7	--	--
MAY											
10...	11	5.5	<.020	E.10	.10	--	--	2.60	2.7	--	--
JUN											
07...	11	7.6	<.020	.15	.17	3.8	--	3.66	3.8	--	--
JUL											
05...	9.4	5.0	<.020	.17	.16	4.2	--	4.03	4.2	--	--
AUG											
03...	11	4.7	<.020	.14	.14	4.8	4.63	4.64	4.8	21	.04
SEP											
06...	12	4.3	<.020	.10	.12	3.3	--	3.17	3.3	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
21...	<.010	.11	.042	.035	.041	.28	4.28	206	196	K12	27
NOV											
17...	<.010	.08	.035	.026	.039	.27	3.19	200	203	K11	K16
DEC											
21...	<.010	.08	.036	.026	.035	.27	5.45	202	199	K10	K13
JAN											
24...	<.010	.04	.025	.012	.027	.26	8.72	190	191	K4	K6
FEB											
22...	.015	.11	.050	.036	.053	.30	25.7	221	197	62	83
MAR											
15...	<.010	.10	.038	.032	.039	.28	7.82	207	202	120	210
APR											
11...	<.010	.08	.037	.027	.045	.27	7.90	195	201	920	K780
MAY											
10...	<.010	.09	.038	.029	.026	.29	9.73	212	201	150	150
JUN											
07...	<.010	.18	.072	.059	.072	.31	25.6	226	212	130	150
JUL											
05...	<.010	.19	.070	.062	.068	.29	9.87	215	194	110	110
AUG											
03...	.011	.14	.071	.045	.072	.29	57.7	216	206	150	300
SEP											
06...	<.010	.13	.053	.042	.062	.29	7.58	216	193	K17	K13

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
OCT											
21...	49	<10	<2.2	--	--	--	--	--	--	--	--
NOV											
17...	39	<10	<2.2	--	--	--	--	--	--	--	--
DEC											
21...	34	<10	<2.2	--	--	--	--	--	--	--	--
JAN											
24...	K7	<10	E1.2	--	--	--	--	--	--	--	--
FEB											
22...	71	<10	E1.3	--	--	--	--	--	--	--	--
MAR											
15...	53	<10	E1.4	--	--	--	--	--	--	--	--
APR											
11...	260	<10	E1.8	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
25...	--	--	--	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
MAY											
10...	92	<10	E1.9	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
JUN											
07...	370	<10	E2.2	<.0030	<.0020	<.002	<.0020	E.004	<.0020	<.0020	<.0030
19...	--	--	--	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
JUL											
05...	56	<10	3.1	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
19...	--	--	--	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
AUG											
03...	97	<10	2.6	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
16...	--	--	--	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
SEP											
06...	72	<10	E1.9	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030
19...	--	--	--	<.0017	<.0041	<.002	<.0046	<.007	<.0100	<.0020	<.0410

DATE	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
APR											
11...	<.0030	<.0040	<.0040	<.0020	<.0020	97.5	<.002	<.001	<.0170	<.0020	<.0040
25...	<.0030	<.0040	<.0040	<.0020	<.0020	105	<.002	<.001	<.0170	<.0020	<.0040
MAY											
10...	<.0030	<.0040	<.0040	<.0020	<.0020	121	<.002	<.001	<.0170	<.0020	<.0040
JUN											
07...	<.0030	<.0040	<.0040	<.0020	<.0020	94.9	<.002	<.001	<.0170	<.0020	<.0040
19...	<.0030	<.0040	<.0040	<.0020	<.0020	87.2	<.002	<.001	<.0170	<.0020	<.0040
JUL											
05...	<.0030	<.0040	<.0040	<.0020	<.0020	102	<.002	<.001	<.0170	<.0020	<.0040
19...	<.0030	<.0040	<.0040	<.0020	<.0020	95.4	<.002	<.001	<.0170	<.0020	<.0040
AUG											
03...	<.0030	<.0040	<.0040	<.0020	<.0020	81.9	<.002	<.001	<.0170	<.0020	<.0040
16...	<.0030	<.0040	<.0040	<.0020	<.0020	99.8	<.002	<.001	<.0170	<.0020	<.0040
SEP											
06...	<.0030	<.0040	<.0040	<.0020	<.0020	99.0	<.002	<.001	<.0170	<.0020	<.0040
19...	<.0200	<.0050	<.0180	<.0030	<.0060	93.7	<.005	<.005	<.0210	<.0020	<.0090

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	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)
APR											
11...	<.0030	<.0030	84.3	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
25...	<.0030	<.0030	85.7	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
MAY											
10...	<.0030	<.0030	74.0	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
JUN											
07...	<.0030	<.0030	68.0	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
19...	<.0030	<.0030	57.7	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
JUL											
05...	<.0030	<.0030	73.5	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
19...	<.0030	<.0030	70.7	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
AUG											
03...	<.0030	<.0030	68.8	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
16...	<.0030	<.0030	96.8	<.004	<.0020	<.005	<.0010	<.0100	<.002	<.004	<.0040
SEP											
06...	<.0030	<.0030	94.4	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004	<.0040
19...	<.0050	<.0027	84.5	<.004	<.0350	<.027	<.0500	<.0060	<.013	<.006	<.0016

DATE	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	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)	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)
APR											
11...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
25...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
MAY											
10...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
JUN											
07...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
19...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
JUL											
05...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
19...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
AUG											
03...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
16...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
SEP											
06...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070	<.0040
19...	<.0070	<.0025	<.007	<.0016	<.0100	<.0060	<.0110	<.0150	<.0041	<.0100	<.0110

DATE	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
21...	--	--	--	--	--	--	--	--	1.8	85	59
NOV											
17...	--	--	--	--	--	--	--	--	1.4	89	90
DEC											
21...	--	--	--	--	--	--	--	--	1.3	48	96
JAN											
24...	--	--	--	--	--	--	--	--	1.8	40	85
FEB											
22...	--	--	--	--	--	--	--	--	4.3	37	94
MAR											
15...	--	--	--	--	--	--	--	--	1.6	43	70
APR											
11...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.1	26	91
25...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	--	--	--
MAY											
10...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	3.7	81	84
23...	--	--	--	--	--	--	--	--	--	--	--
JUN											
07...	<.0130	<.0050	.0195	<.0070	<.0130	<.0020	<.0010	<.0020	8.1	71	55
19...	<.0130	<.0050	.0113	<.0070	<.0130	<.0020	<.0010	<.0020	--	--	--
JUL											
05...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.6	35	95
19...	<.0130	<.0050	.0132	<.0070	<.0130	<.0020	<.0010	<.0020	--	--	--
AUG											
03...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	9.9	37	90
16...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	--	--	--
SEP											
06...	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.3	37	93
19...	<.0230	<.0110	<.0160	<.0340	<.0170	<.0048	<.0023	<.0090	--	--	--

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 mi².

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT											
06...	1404	80513	80513	762	89	7.8	8.4	215	21.9	2.70	.00
06...	1405	80513	80513	762	89	7.8	8.4	215	21.4	--	10.0
06...	1406	80513	80513	762	87	7.8	8.4	215	20.8	--	20.0
06...	1407	80513	80513	762	92	8.2	8.3	214	20.8	--	30.0
06...	1408	80513	80513	762	91	8.1	8.3	218	20.8	--	40.0
06...	1410	80513	80513	762	21	1.9	7.3	246	19.3	--	50.0
06...	1411	80513	80513	762	14	1.3	7.2	251	18.4	--	51.0
06...	1412	80513	80513	762	13	1.2	7.2	253	17.7	--	54.0
06...	1413	80513	80513	762	11	1.1	7.2	254	17.0	--	60.0
06...	1414	80513	80513	762	10	1.0	7.2	248	16.2	--	70.0
06...	1415	80513	80513	762	9	.9	7.2	241	15.7	--	80.0
06...	1416	80513	80513	762	7	.8	7.1	230	15.2	--	90.0
06...	1417	80513	80513	762	7	.7	7.1	220	14.8	--	100
06...	1418	80513	80513	762	11	1.1	7.0	206	14.1	--	110
06...	1419	80513	80513	762	11	1.1	7.0	204	13.7	--	120
06...	1420	80513	80513	762	9	1.0	6.9	191	13.3	--	130
06...	1421	80513	80513	762	5	.6	7.0	209	13.0	--	140
06...	1422	80513	80513	762	5	.5	6.9	205	12.5	--	150
06...	1423	80513	80513	762	4	.5	6.9	216	12.2	--	160
06...	1424	80513	80513	762	5	.5	6.9	236	11.8	--	170
06...	1425	80513	80513	762	5	.5	6.9	238	11.6	--	173
NOV											
03...	1113	80513	80513	749	85	8.0	8.1	224	17.2	1.90	.00
03...	1114	80513	80513	749	78	7.3	8.2	223	17.2	--	10.0
03...	1115	80513	80513	749	75	7.1	8.2	222	17.2	--	20.0
03...	1116	80513	80513	749	75	7.0	8.2	222	17.2	--	30.0
03...	1117	80513	80513	749	74	7.0	8.2	223	17.2	--	40.0
03...	1118	80513	80513	749	73	6.9	8.2	222	17.2	--	50.0
03...	1119	80513	80513	749	73	6.9	8.2	222	17.2	--	60.0
03...	1120	80513	80513	749	72	6.8	8.2	224	17.2	--	70.0
03...	1121	80513	80513	749	69	6.5	8.2	223	17.2	--	80.0
03...	1122	80513	80513	749	9	.9	7.4	237	15.9	--	85.0
03...	1123	80513	80513	749	3	.3	7.3	235	15.7	--	90.0
03...	1124	80513	80513	749	3	.3	7.3	231	15.3	--	100
03...	1125	80513	80513	749	2	.2	7.2	221	14.5	--	110
03...	1126	80513	80513	749	2	.2	7.2	216	14.2	--	120
03...	1127	80513	80513	749	2	.2	7.2	220	13.8	--	130
03...	1128	80513	80513	749	2	.2	7.2	218	13.5	--	140
03...	1129	80513	80513	749	2	.2	7.2	224	13.1	--	150
03...	1130	80513	80513	749	2	.2	7.1	233	12.5	--	160
03...	1131	80513	80513	749	2	.2	7.1	241	11.8	--	170
DEC											
02...	1312	80513	80513	743	62	6.1	7.5	213	15.0	3.80	.00
02...	1313	80513	80513	743	57	5.6	7.5	213	15.0	--	10.0
02...	1314	80513	80513	743	55	5.4	7.5	213	14.9	--	20.0
02...	1315	80513	80513	743	55	5.4	7.5	213	14.9	--	30.0
02...	1316	80513	80513	743	55	5.4	7.5	213	14.9	--	40.0
02...	1317	80513	80513	743	54	5.3	7.5	214	14.9	--	50.0
02...	1318	80513	80513	743	54	5.3	7.5	213	14.9	--	60.0
02...	1319	80513	80513	743	53	5.2	7.5	214	14.9	--	70.0
02...	1320	80513	80513	743	53	5.2	7.5	214	14.9	--	80.0
02...	1321	80513	80513	743	53	5.2	7.5	213	14.9	--	90.0
02...	1322	80513	80513	743	47	4.6	7.4	212	14.8	--	100
02...	1323	80513	80513	743	17	1.7	7.1	202	14.4	--	110
02...	1324	80513	80513	743	2	.2	7.0	196	14.1	--	120
02...	1325	80513	80513	743	2	.2	6.9	197	13.7	--	130
02...	1326	80513	80513	743	2	.2	6.9	202	13.3	--	140
02...	1327	80513	80513	743	2	.2	6.9	207	12.8	--	150
02...	1328	80513	80513	743	2	.2	6.9	218	12.2	--	160
02...	1329	80513	80513	743	2	.2	6.9	227	11.7	--	170

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
MAR											
20...	1408	80513	80513	742	97	10.4	8.0	224	11.3	5.80	.00
20...	1409	80513	80513	742	98	10.7	7.9	223	10.5	--	10.0
20...	1410	80513	80513	742	100	11.1	7.9	223	9.9	--	20.0
20...	1411	80513	80513	742	100	11.0	7.9	223	9.8	--	30.0
20...	1412	80513	80513	742	99	10.9	7.8	224	9.7	--	40.0
20...	1413	80513	80513	742	94	10.5	7.7	225	9.2	--	50.0
20...	1414	80513	80513	742	91	10.2	7.6	224	9.1	--	60.0
20...	1415	80513	80513	742	88	9.9	7.6	224	8.9	--	70.0
20...	1416	80513	80513	742	87	9.8	7.5	224	8.8	--	80.0
20...	1417	80513	80513	742	80	9.1	7.5	225	8.5	--	90.0
20...	1418	80513	80513	742	77	8.8	7.4	225	8.3	--	100
20...	1419	80513	80513	742	73	8.4	7.4	225	8.1	--	110
20...	1420	80513	80513	742	70	8.0	7.3	226	8.0	--	120
20...	1421	80513	80513	742	68	7.9	7.3	227	7.9	--	130
20...	1422	80513	80513	742	66	7.6	7.3	228	7.9	--	140
20...	1423	80513	80513	742	62	7.2	7.3	231	7.7	--	150
20...	1424	80513	80513	742	59	6.8	7.2	235	7.7	--	160
20...	1425	80513	80513	742	56	6.5	7.2	241	7.6	--	170
20...	1426	80513	80513	742	56	6.5	7.2	243	7.6	--	180
JUN											
20...	1423	80513	80513	750	105	8.6	8.3	219	24.6	4.0	.00
20...	1424	80513	80513	750	105	8.6	8.3	219	24.5	--	10.0
20...	1425	80513	80513	750	105	8.6	8.3	219	24.5	--	20.0
20...	1426	80513	80513	750	104	8.6	8.3	222	24.3	--	26.0
20...	1427	80513	80513	750	103	8.5	8.3	228	24.1	--	28.0
20...	1428	80513	80513	750	101	8.4	8.3	239	23.7	--	30.0
20...	1429	80513	80513	750	96	8.2	8.2	270	22.5	--	31.0
20...	1430	80513	80513	750	95	8.2	8.1	280	22.3	--	32.0
20...	1431	80513	80513	750	92	8.3	8.1	367	19.2	--	33.0
20...	1432	80513	80513	750	85	7.9	7.9	293	18.5	--	34.0
20...	1434	80513	80513	750	84	7.7	7.9	261	18.4	--	35.0
20...	1435	80513	80513	750	72	6.8	7.7	234	17.5	--	37.0
20...	1436	80513	80513	750	64	6.1	7.5	232	16.4	--	39.0
20...	1437	80513	80513	750	62	6.0	7.5	236	16.0	--	40.0
20...	1438	80513	80513	750	55	5.5	7.4	236	14.8	--	45.0
20...	1439	80513	80513	750	52	5.3	7.3	235	13.6	--	50.0
20...	1440	80513	80513	750	50	5.2	7.3	237	12.8	--	55.0
20...	1441	80513	80513	750	51	5.4	7.3	235	12.2	--	60.0
20...	1442	80513	80513	750	48	5.2	7.2	236	10.9	--	70.0
20...	1443	80513	80513	750	48	5.3	7.2	235	10.3	--	80.0
20...	1444	80513	80513	750	46	5.1	7.1	234	9.9	--	90.0
20...	1445	80513	80513	750	46	5.2	7.1	234	9.4	--	100
20...	1446	80513	80513	750	45	5.1	7.1	234	9.0	--	110
20...	1447	80513	80513	750	46	5.2	7.0	234	8.8	--	120
20...	1448	80513	80513	750	45	5.1	7.0	235	8.6	--	130
20...	1449	80513	80513	750	46	5.2	7.0	234	8.5	--	140
20...	1450	80513	80513	750	44	5.1	7.0	236	8.4	--	150
20...	1451	80513	80513	750	41	4.8	7.0	236	8.3	--	160
20...	1452	80513	80513	750	36	4.2	6.9	237	8.2	--	170
20...	1453	80513	80513	750	34	3.9	6.9	237	8.2	--	176

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
JUL											
18...	1319	80513	80513	754	111	8.2	8.2	207	30.4	4.10	.00
18...	1320	80513	80513	754	111	8.2	8.2	207	30.4	--	10.0
18...	1325	80513	80513	754	110	8.2	8.2	207	30.2	--	18.0
18...	1326	80513	80513	754	118	8.8	8.2	206	30.0	--	19.0
18...	1327	80513	80513	754	166	12.9	8.3	198	27.7	--	20.0
18...	1328	80513	80513	754	168	13.3	8.3	199	26.6	--	22.0
18...	1329	80513	80513	754	130	10.6	8.2	214	25.3	--	24.0
18...	1330	80513	80513	754	88	7.4	7.9	245	23.9	--	25.0
18...	1331	80513	80513	754	72	6.1	7.7	235	23.2	--	26.0
18...	1332	80513	80513	754	52	4.5	7.4	237	22.5	--	28.0
18...	1333	80513	80513	754	33	2.9	7.2	240	21.0	--	30.0
18...	1334	80513	80513	754	26	2.4	7.2	242	20.1	--	32.0
18...	1335	80513	80513	754	19	1.7	7.1	243	19.2	--	34.0
18...	1336	80513	80513	754	23	2.1	7.1	243	18.2	--	37.0
18...	1337	80513	80513	754	26	2.4	7.1	241	17.4	--	40.0
18...	1338	80513	80513	754	30	2.9	7.1	239	16.6	--	45.0
18...	1339	80513	80513	754	30	2.9	7.0	238	15.4	--	50.0
18...	1340	80513	80513	754	28	2.8	7.0	239	14.7	--	55.0
18...	1341	80513	80513	754	28	2.8	7.0	238	14.1	--	60.0
18...	1342	80513	80513	754	32	3.3	7.0	238	13.2	--	70.0
18...	1343	80513	80513	754	37	3.8	7.0	238	12.6	--	80.0
18...	1344	80513	80513	754	39	4.3	7.0	237	11.4	--	90.0
18...	1345	80513	80513	754	40	4.4	6.9	237	10.6	--	100
18...	1346	80513	80513	754	39	4.4	6.9	238	10.2	--	110
18...	1347	80513	80513	754	40	4.5	6.9	238	9.8	--	120
18...	1348	80513	80513	754	38	4.3	6.9	238	9.5	--	130
18...	1349	80513	80513	754	36	4.1	6.8	239	9.2	--	140
18...	1350	80513	80513	754	34	3.9	6.8	238	9.1	--	150
18...	1351	80513	80513	754	31	3.6	6.8	239	8.9	--	160
18...	1352	80513	80513	754	25	2.9	6.7	238	8.6	--	170
18...	1353	80513	80513	754	16	1.9	6.7	238	8.5	--	180

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
AUG											
16...	0825	80513	80513	763	105	7.9	7.6	191	29.9	3.80	.00
16...	0826	80513	80513	763	106	8.0	7.8	190	29.9	--	10.0
16...	0827	80513	80513	763	115	8.8	8.0	195	29.0	--	20.0
16...	0828	80513	80513	763	106	8.3	8.0	201	27.9	--	21.0
16...	0829	80513	80513	763	106	8.5	8.0	207	26.8	--	22.0
16...	0830	80513	80513	763	93	7.5	7.9	211	26.3	--	24.0
16...	0832	80513	80513	763	71	5.9	7.7	218	25.1	--	28.0
16...	0833	80513	80513	763	62	5.1	7.6	219	24.5	--	30.0
16...	0834	80513	80513	763	37	3.1	7.5	226	23.6	--	32.0
16...	0835	80513	80513	763	14	1.2	7.5	229	22.5	--	34.0
16...	0836	80513	80513	763	4	.3	7.4	231	22.0	--	36.0
16...	0837	80513	80513	763	2	.2	7.4	230	20.9	--	38.0
16...	0838	80513	80513	763	2	.1	7.4	231	20.3	--	42.0
16...	0839	80513	80513	763	1	.1	7.4	230	19.5	--	45.0
16...	0840	80513	80513	763	1	.1	7.4	228	18.4	--	50.0
16...	0841	80513	80513	763	7	.6	7.4	224	16.3	--	60.0
16...	0842	80513	80513	763	12	1.2	7.4	205	14.8	--	70.0
16...	0843	80513	80513	763	27	2.8	7.4	183	14.1	--	80.0
16...	0844	80513	80513	763	22	2.3	7.3	197	13.4	--	90.0
16...	0845	80513	80513	763	21	2.2	7.3	218	12.8	--	100
16...	0846	80513	80513	763	24	2.6	7.3	221	12.0	--	110
16...	0847	80513	80513	763	24	2.6	7.3	220	11.2	--	120
16...	0848	80513	80513	763	21	2.3	7.2	216	10.6	--	130
16...	0849	80513	80513	763	15	1.7	7.2	218	10.2	--	140
16...	0850	80513	80513	763	9	1.0	7.1	221	9.8	--	150
16...	0851	80513	80513	763	2	.2	7.1	222	9.5	--	160
16...	0852	80513	80513	763	1	.1	7.0	225	9.3	--	170
16...	0853	80513	80513	763	1	.1	7.0	226	9.2	--	179
SEP											
12...	1506	80513	80513	746	123	9.5	8.1	218	27.5	2.40	.00
12...	1507	80513	80513	746	122	9.5	8.1	219	27.3	--	10.0
12...	1508	80513	80513	746	119	9.2	8.1	219	27.1	--	20.0
12...	1509	80513	80513	746	91	7.2	7.9	226	26.7	--	28.0
12...	1510	80513	80513	746	36	2.9	7.6	246	25.2	--	29.0
12...	1511	80513	80513	746	6	.5	7.5	262	23.8	--	30.0
12...	1512	80513	80513	746	3	.3	7.5	259	22.7	--	32.0
12...	1513	80513	80513	746	2	.2	7.4	258	21.6	--	36.0
12...	1514	80513	80513	746	2	.2	7.4	255	21.0	--	40.0
12...	1515	80513	80513	746	1	.1	7.4	250	19.6	--	45.0
12...	1516	80513	80513	746	1	.1	7.4	247	18.4	--	50.0
12...	1517	80513	80513	746	1	.1	7.4	242	17.3	--	60.0
12...	1518	80513	80513	746	1	.1	7.4	239	16.0	--	70.0
12...	1519	80513	80513	746	7	.7	7.4	219	14.9	--	80.0
12...	1520	80513	80513	746	27	2.8	7.4	194	14.0	--	90.0
12...	1521	80513	80513	746	26	2.7	7.4	196	13.4	--	100
12...	1522	80513	80513	746	18	1.9	7.4	216	12.9	--	110
12...	1523	80513	80513	746	10	1.1	7.4	240	12.2	--	120
12...	1524	80513	80513	746	4	.4	7.4	247	11.6	--	130
12...	1525	80513	80513	746	1	.2	7.3	249	11.0	--	140
12...	1526	80513	80513	746	1	.1	7.3	250	10.6	--	150
12...	1527	80513	80513	746	1	.1	7.3	249	10.3	--	160
12...	1528	80513	80513	746	1	.1	7.2	248	10.0	--	170
12...	1529	80513	80513	746	1	.1	7.2	247	9.7	--	180
12...	1530	80513	80513	746	1	.1	7.1	248	9.5	--	190

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT									
06...	1340	80513	80513	757	99	9.4	8.0	208	17.3
NOV									
03...	1158	80513	80513	753	72	7.2	7.4	224	14.4
DEC									
02...	1356	80513	80513	748	78	7.8	7.4	226	14.6
MAR									
20...	1510	80513	80513	746	119	12.1	8.2	230	13.5
JUN									
20...	1334	80513	80513	748	107	10.9	7.1	560	13.7
JUL									
18...	1421	80513	80513	750	62	6.8	7.1	240	10.3
AUG									
16...	0919	80513	80513	755	81	8.5	7.7	235	12.5
SEP									
12...	1440	80513	80513	751	67	7.1	8.4	233	12.7

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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
07...	1255	80513	80513	756	94	8.2	8.4	259	21.9	170	4.70	.00
07...	1256	80513	80513	756	105	9.2	8.4	258	21.5	170	--	10.0
07...	1257	80513	80513	756	112	9.8	8.4	258	21.5	170	--	20.0
07...	1258	80513	80513	756	106	9.3	8.4	258	21.5	170	--	30.0
07...	1259	80513	80513	756	96	8.4	8.3	259	21.5	170	--	40.0
07...	1300	80513	80513	756	24	2.2	7.6	270	20.3	170	--	48.0
07...	1301	80513	80513	756	13	1.2	7.4	272	19.8	170	--	50.0
07...	1302	80513	80513	756	6	.6	7.4	271	19.2	170	--	52.0
07...	1304	80513	80513	756	4	.3	7.4	269	18.4	170	--	60.0
07...	1305	80513	80513	756	5	.5	7.3	270	17.7	170	--	70.0
07...	1306	80513	80513	756	10	1.0	7.3	276	17.1	170	--	80.0
07...	1307	80513	80513	756	16	1.5	7.3	275	16.4	170	--	90.0
07...	1308	80513	80513	756	18	1.8	7.3	272	15.7	170	--	100
07...	1309	80513	80513	756	13	1.3	7.3	277	15.0	170	--	110
07...	1310	80513	80513	756	10	1.0	7.2	278	14.1	170	--	120
07...	1311	80513	80513	756	3	.3	7.2	278	13.1	170	--	130
07...	1312	80513	80513	756	3	.3	7.2	282	12.4	170	--	140
07...	1313	80513	80513	756	3	.3	7.2	286	11.3	170	--	150
07...	1314	80513	80513	756	3	.4	7.1	289	10.4	170	--	160
07...	1315	80513	80513	756	4	.4	7.1	291	10.0	170	--	170
NOV												
04...	1027	80513	80513	754	83	7.7	8.0	261	18.1	164	4.50	.00
04...	1028	80513	80513	754	80	7.4	8.0	261	18.0	164	--	10.0
04...	1029	80513	80513	754	82	7.7	8.0	260	18.0	164	--	20.0
04...	1030	80513	80513	754	73	6.8	8.0	259	18.1	164	--	30.0
04...	1031	80513	80513	754	76	7.1	8.0	259	18.1	164	--	40.0
04...	1032	80513	80513	754	70	6.6	7.9	260	18.0	164	--	50.0
04...	1033	80513	80513	754	71	6.6	7.9	261	18.1	164	--	60.0
04...	1034	80513	80513	754	68	6.3	7.9	261	18.0	164	--	70.0
04...	1035	80513	80513	754	59	5.5	7.8	262	18.0	164	--	80.0
04...	1036	80513	80513	754	28	2.6	7.5	268	17.6	164	--	90.0
04...	1037	80513	80513	754	3	.3	7.3	278	16.6	164	--	100
04...	1038	80513	80513	754	2	.2	7.2	278	15.5	164	--	110
04...	1039	80513	80513	754	3	.3	7.2	283	14.7	164	--	120
04...	1040	80513	80513	754	2	.2	7.2	286	13.4	164	--	130
04...	1041	80513	80513	754	2	.2	7.1	285	12.2	164	--	140
04...	1042	80513	80513	754	2	.2	7.1	286	11.2	164	--	150
04...	1043	80513	80513	754	2	.2	7.1	287	10.5	164	--	160
04...	1044	80513	80513	754	3	.3	7.1	289	10.3	164	--	164
DEC												
01...	1339	80513	80513	758	62	6.1	7.9	265	15.8	181	4.60	.00
01...	1340	80513	80513	758	57	5.6	7.9	265	15.7	164	--	10.0
01...	1341	80513	80513	758	55	5.4	7.9	265	15.7	164	--	20.0
01...	1342	80513	80513	758	56	5.5	7.9	266	15.7	164	--	30.0
01...	1343	80513	80513	758	57	5.6	7.9	266	15.7	164	--	40.0
01...	1344	80513	80513	758	58	5.8	7.9	266	15.7	164	--	50.0
01...	1345	80513	80513	758	57	5.7	7.9	264	15.7	164	--	60.0
01...	1346	80513	80513	758	58	5.7	7.9	264	15.6	164	--	70.0
01...	1347	80513	80513	758	54	5.3	7.9	265	15.6	164	--	80.0
01...	1348	80513	80513	758	38	3.8	7.7	268	15.5	164	--	90.0
01...	1349	80513	80513	758	4	.4	7.5	280	15.1	164	--	100
01...	1350	80513	80513	758	3	.3	7.5	281	14.5	164	--	110
01...	1351	80513	80513	758	3	.3	7.4	284	13.9	164	--	120
01...	1352	80513	80513	758	3	.3	7.4	287	13.0	164	--	130
01...	1353	80513	80513	758	3	.3	7.4	286	12.0	164	--	140
01...	1354	80513	80513	758	2	.3	7.4	286	11.3	164	--	150
01...	1355	80513	80513	758	2	.3	7.4	288	10.5	164	--	160
01...	1356	80513	80513	758	2	.3	7.4	291	10.3	164	--	164

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
MAR												
21...	1442	80513	80513	757	100	10.9	7.2	240	11.3	163	7.00	.00
21...	1443	80513	80513	757	99	10.8	7.3	243	11.0	163	--	10.0
21...	1444	80513	80513	757	97	10.7	7.5	242	10.4	163	--	20.0
21...	1445	80513	80513	757	96	10.6	7.5	242	10.3	163	--	30.0
21...	1446	80513	80513	757	95	10.5	7.5	242	10.3	163	--	40.0
21...	1447	80513	80513	757	93	10.4	7.5	244	10.1	163	--	50.0
21...	1448	80513	80513	757	92	10.3	7.5	244	10.0	163	--	60.0
21...	1449	80513	80513	757	91	10.2	7.5	244	9.9	163	--	70.0
21...	1450	80513	80513	757	81	9.3	7.4	245	9.0	163	--	80.0
21...	1451	80513	80513	757	76	8.8	7.3	245	8.4	163	--	90.0
21...	1452	80513	80513	757	73	8.5	7.3	245	8.3	163	--	100
21...	1453	80513	80513	757	69	8.1	7.2	245	8.1	163	--	110
21...	1454	80513	80513	757	67	7.9	7.2	245	8.0	163	--	120
21...	1455	80513	80513	757	67	7.8	7.2	246	8.0	163	--	130
21...	1456	80513	80513	757	64	7.6	7.2	247	7.9	163	--	140
21...	1457	80513	80513	757	58	6.8	7.1	248	7.8	163	--	150
21...	1458	80513	80513	757	52	6.1	7.1	250	7.8	163	--	160
21...	1459	80513	80513	757	51	6.1	7.0	250	7.9	163	--	162
JUN												
21...	1118	80513	80513	756	99	8.2	7.9	252	24.4	186	>7.30	.00
21...	1119	80513	80513	756	100	8.2	8.0	253	24.4	186	--	10.0
21...	1120	80513	80513	756	101	8.4	8.0	261	24.1	186	--	20.0
21...	1121	80513	80513	756	104	8.9	8.0	297	22.8	186	--	25.0
21...	1122	80513	80513	756	105	8.9	8.0	300	22.7	186	--	26.0
21...	1123	80513	80513	756	100	8.7	7.9	317	22.1	186	--	27.0
21...	1124	80513	80513	756	103	9.1	8.0	348	21.0	186	--	28.0
21...	1125	80513	80513	756	101	9.1	7.9	370	20.3	186	--	29.0
21...	1126	80513	80513	756	101	9.2	7.9	385	19.8	186	--	30.0
21...	1127	80513	80513	756	100	9.2	7.9	414	18.9	186	--	32.0
21...	1128	80513	80513	756	96	9.2	7.9	468	17.2	186	--	35.0
21...	1129	80513	80513	756	89	8.8	7.8	377	15.8	186	--	40.0
21...	1130	80513	80513	756	86	8.6	7.7	277	14.8	186	--	45.0
21...	1131	80513	80513	756	82	8.4	7.6	269	14.1	186	--	50.0
21...	1132	80513	80513	756	76	7.9	7.4	271	13.0	186	--	60.0
21...	1133	80513	80513	756	71	7.6	7.3	269	12.0	186	--	70.0
21...	1134	80513	80513	756	64	7.1	7.2	270	10.7	186	--	80.0
21...	1135	80513	80513	756	60	6.8	7.2	267	9.9	186	--	90.0
21...	1136	80513	80513	756	59	6.7	7.1	268	9.2	186	--	100
21...	1137	80513	80513	756	56	6.5	7.1	266	9.0	186	--	110
21...	1138	80513	80513	756	56	6.5	7.1	266	8.7	186	--	120
21...	1139	80513	80513	756	56	6.5	7.0	265	8.5	186	--	130
21...	1140	80513	80513	756	54	6.3	7.0	264	8.3	186	--	140
21...	1141	80513	80513	756	54	6.3	7.0	264	8.3	186	--	150
21...	1142	80513	80513	756	55	6.4	7.0	266	8.2	186	--	160
21...	1143	80513	80513	756	39	4.6	6.9	268	8.3	186	--	168
JUL												
18...	0805	80513	80513	754	99	7.3	7.9	253	30.4	173	7.60	.00
18...	0806	80513	80513	754	98	7.2	8.0	252	30.5	173	--	10.0
18...	0807	80513	80513	754	99	7.3	8.0	253	30.4	173	--	16.0
18...	0808	80513	80513	754	110	8.3	8.1	251	29.8	173	--	17.0
18...	0809	80513	80513	754	116	8.9	8.1	250	28.5	173	--	18.0
18...	0810	80513	80513	754	117	9.0	8.1	250	27.9	173	--	19.0
18...	0811	80513	80513	754	116	9.0	8.1	249	27.5	173	--	20.0
18...	0812	80513	80513	754	113	8.9	8.1	252	26.9	173	--	22.0
18...	0813	80513	80513	754	111	8.9	8.0	252	25.9	173	--	26.0
18...	0814	80513	80513	754	109	9.0	8.0	260	24.2	173	--	30.0
18...	0815	80513	80513	754	107	9.1	7.9	294	22.9	173	--	33.0
18...	0816	80513	80513	754	104	9.0	7.9	316	22.1	173	--	35.0
18...	0817	80513	80513	754	102	8.9	7.9	346	21.0	173	--	38.0
18...	0818	80513	80513	754	99	8.9	7.8	369	20.3	173	--	40.0
18...	0819	80513	80513	754	92	8.5	7.7	419	18.6	173	--	45.0
18...	0820	80513	80513	754	86	8.1	7.6	345	17.5	173	--	50.0
18...	0821	80513	80513	754	79	7.7	7.5	263	16.3	173	--	55.0
18...	0822	80513	80513	754	76	7.5	7.4	262	15.2	173	--	60.0
18...	0823	80513	80513	754	71	7.2	7.3	264	14.2	173	--	65.0
18...	0824	80513	80513	754	68	6.9	7.3	264	13.8	173	--	70.0
18...	0825	80513	80513	754	56	5.9	7.1	263	12.1	173	--	80.0
18...	0826	80513	80513	754	52	5.7	7.1	262	10.9	173	--	90.0
18...	0827	80513	80513	754	79	8.8	7.0	260	9.9	173	--	100
18...	0828	80513	80513	754	47	5.4	7.0	257	9.4	173	--	110
18...	0829	80513	80513	754	45	5.2	6.9	258	9.0	173	--	120
18...	0830	80513	80513	754	42	4.9	6.9	259	8.7	173	--	130
18...	0831	80513	80513	754	41	4.7	6.9	258	8.6	173	--	140
18...	0832	80513	80513	754	40	4.6	6.8	260	8.5	173	--	150
18...	0833	80513	80513	754	32	3.7	6.8	260	8.4	173	--	160
18...	0834	80513	80513	754	30	3.5	6.8	260	8.4	173	--	170
18...	0835	80513	80513	754	27	3.2	6.8	261	8.4	173	--	173

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BARO-METRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
AUG												
15...	1459	80513	80513	757	107	8.0	8.2	221	30.2	166	7.50	.00
15...	1500	80513	80513	757	110	8.3	8.2	221	29.8	166	--	10.0
15...	1501	80513	80513	757	127	9.7	8.2	220	28.8	166	--	19.0
15...	1502	80513	80513	757	129	9.9	8.2	222	28.3	166	--	20.0
15...	1503	80513	80513	757	136	10.7	8.3	222	27.1	166	--	24.0
15...	1504	80513	80513	767	134	10.9	8.2	223	26.1	166	--	26.0
15...	1505	80513	80513	757	133	10.9	8.2	221	24.7	166	--	30.0
15...	1507	80513	80513	757	126	10.6	8.2	223	23.3	166	--	32.0
15...	1508	80513	80513	757	115	10.0	8.2	223	22.1	166	--	36.0
15...	1509	80513	80513	757	104	9.2	8.1	225	21.2	166	--	40.0
15...	1510	80513	80513	757	95	8.5	8.0	226	20.6	166	--	42.0
15...	1511	80513	80513	757	70	6.4	7.8	231	19.8	166	--	46.0
15...	1512	80513	80513	757	39	3.6	7.6	238	19.0	166	--	40.0
15...	1513	80513	80513	757	26	2.4	7.5	243	18.4	166	--	55.0
15...	1514	80513	80513	757	20	1.9	7.4	244	17.6	166	--	60.0
15...	1515	80513	80513	757	26	2.5	7.4	235	16.6	166	--	70.0
15...	1516	80513	80513	757	32	3.2	7.4	231	15.4	166	--	80.0
15...	1517	80513	80513	757	41	4.2	7.4	228	14.1	166	--	90.0
15...	1518	80513	80513	757	34	3.6	7.4	228	12.4	166	--	100
15...	1519	80513	80513	757	30	3.3	7.4	226	11.1	166	--	110
15...	1520	80513	80513	757	25	2.8	7.4	224	10.3	166	--	120
15...	1521	80513	80513	757	23	2.5	7.3	223	9.6	166	--	130
15...	1522	80513	80513	757	20	2.2	7.3	224	9.2	133	--	140
15...	1523	80513	80513	757	12	1.4	7.2	224	9.0	166	--	150
15...	1524	80513	80513	757	8	1.0	7.1	226	8.8	166	--	160
15...	1525	80513	80513	757	6	.6	7.1	227	8.8	166	--	166
SEP												
13...	0715	80513	80513	755	128	10.1	7.8	254	26.9	163	5.50	.00
13...	0716	80513	80513	755	128	10.1	7.8	253	26.8	163	--	10.0
13...	0717	80513	80513	755	128	10.1	7.9	253	26.8	163	--	20.0
13...	0718	80513	80513	755	128	10.1	7.9	254	26.9	163	--	30.0
13...	0719	80513	80513	755	129	10.2	7.9	255	26.7	163	--	32.0
13...	0720	80513	80513	755	150	12.3	7.9	262	24.9	163	--	34.0
13...	0721	80513	80513	755	135	11.2	7.8	266	24.0	163	--	35.0
13...	0722	80513	80513	755	105	8.9	7.7	273	23.0	163	--	38.0
13...	0723	80513	80513	755	92	7.9	7.6	269	22.4	163	--	40.0
13...	0724	80513	80513	755	74	6.4	7.5	270	21.4	199	--	46.0
13...	0725	80513	80513	755	50	4.4	7.4	274	20.6	163	--	50.0
13...	0726	80513	80513	755	7	.7	7.3	286	19.2	163	--	55.0
13...	0727	80513	80513	755	7	.7	7.3	284	18.5	163	--	60.0
13...	0728	80513	80513	755	21	2.0	7.3	275	17.5	163	--	70.0
13...	0729	80513	80513	755	21	2.0	7.3	271	16.8	163	--	80.0
13...	0730	80513	80513	755	17	1.6	7.3	268	16.3	163	--	90.0
13...	0731	80513	80513	755	9	.9	7.3	269	15.3	163	--	100
13...	0732	80513	80513	755	18	1.9	7.4	265	13.1	163	--	110
13...	0733	80513	80513	755	3	.4	7.6	262	11.5	163	--	120
13...	0734	80513	80513	755	2	.2	7.6	260	10.4	163	--	130
13...	0735	80513	80513	755	1	.1	7.6	257	9.9	163	--	140
13...	0736	80513	80513	755	1	.1	7.5	255	9.4	163	--	150
13...	0737	80513	80513	755	1	.1	7.5	259	9.2	163	--	160
13...	0738	80513	80513	755	1	.1	7.4	260	9.2	163	--	163

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 mi².

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

PERIOD OF DAILY RECORD.--

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

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Dissolved oxygen and water temperature collected June through December.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT									
07...	1356	80513	80513	760	53	5.3	7.4	276	15.4
NOV									
04...	1005	80513	80513	756	79	7.7	7.4	272	16.2
DEC									
01...	1436	80513	80513	761	49	5.0	7.7	282	14.3
MAR									
21...	1521	80513	80513	760	111	12.6	7.7	242	9.5
JUN									
21...	1057	80513	80513	756	78	8.6	7.5	281	10.4
JUL									
18...	0918	80513	80513	759	76	8.5	7.2	266	10.3

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG												
15...	1414	80513	80513	762	45	4.7	8.7	223	13.0	400	20.0	.50
15...	1415	80513	80513	762	45	4.7	8.3	225	12.9	400	60.0	.50
15...	1416	80513	80513	762	45	4.8	7.9	223	12.8	400	100	.50
15...	1417	80513	80513	762	45	4.8	7.7	224	12.8	400	140	.50
15...	1418	80513	80513	762	45	4.8	7.6	226	12.9	400	180	.50
15...	1419	80513	80513	762	45	4.7	7.4	226	12.9	400	220	.50
15...	1420	80513	80513	762	43	4.5	7.3	225	12.9	400	260	.50
15...	1421	80513	80513	762	40	4.3	7.3	210	12.8	400	300	.50
15...	1422	80513	80513	762	38	4.1	7.2	220	12.6	400	340	.50
15...	1423	80513	80513	762	39	4.1	7.2	226	12.6	400	380	.50

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP									
13...	0830	80513	80513	761	47	5.1	7.7	271	12.3

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.8	3.1	5.8	8.6	2.8	6.3	9.2	2.7	5.7	---	---	---
2	8.6	3.2	5.9	8.6	3.3	6.8	9.7	1.8	4.8	---	---	---
3	10.7	3.2	6.0	9.3	3.2	7.3	8.9	1.8	4.2	---	---	---
4	9.6	3.4	5.9	8.5	4.7	7.3	9.1	2.0	6.7	---	---	---
5	9.6	3.1	6.7	8.3	1.9	5.7	9.4	2.0	7.1	---	---	---
6	9.2	3.2	6.3	8.6	1.8	4.7	10.0	7.3	8.4	---	---	---
7	---	---	---	7.0	1.6	3.9	10.3	5.3	8.0	---	---	---
8	8.0	2.9	5.7	7.6	1.9	4.9	9.1	4.3	6.2	---	---	---
9	8.1	2.9	5.6	7.7	1.9	4.7	8.8	3.9	5.4	---	---	---
10	7.5	2.8	4.8	8.4	1.9	4.6	8.8	3.9	6.5	---	---	---
11	7.9	2.9	4.4	8.8	1.9	5.3	7.0	4.5	5.8	---	---	---
12	7.7	3.0	4.9	7.7	2.0	5.5	8.9	5.1	6.9	---	---	---
13	7.6	2.8	4.9	5.5	2.0	3.2	9.0	5.0	7.1	---	---	---
14	9.1	2.9	6.2	7.6	2.2	3.9	9.4	5.0	7.2	---	---	---
15	8.1	2.6	5.7	7.7	2.4	4.5	10.0	3.0	7.3	---	---	---
16	7.9	2.6	4.7	9.5	2.3	6.0	10.0	7.4	8.4	---	---	---
17	7.5	2.5	4.7	9.1	2.4	6.4	9.3	7.1	8.2	---	---	---
18	8.8	3.0	6.0	9.4	2.3	5.3	8.9	5.5	7.2	---	---	---
19	9.1	2.4	6.6	8.4	1.8	3.8	8.3	4.7	6.6	---	---	---
20	8.8	2.7	6.6	7.7	2.1	4.5	10.2	4.5	8.1	---	---	---
21	10.4	2.7	5.3	7.4	2.1	4.0	11.0	7.9	9.4	---	---	---
22	8.6	2.5	5.8	7.5	1.9	4.2	10.5	7.9	8.9	---	---	---
23	9.9	2.8	5.4	7.6	1.7	4.4	10.6	7.8	8.8	---	---	---
24	9.1	2.6	5.5	8.5	2.6	5.6	10.1	7.8	8.7	---	---	---
25	8.8	2.5	6.3	7.2	2.0	4.3	9.3	6.5	8.0	---	---	---
26	7.8	2.8	6.1	6.8	2.0	4.1	8.8	6.1	7.6	---	---	---
27	8.2	2.8	5.4	6.9	2.0	3.1	10.6	8.0	9.2	---	---	---
28	8.7	5.2	6.5	6.4	2.3	3.8	10.5	7.3	8.9	---	---	---
29	8.1	3.1	6.1	7.9	2.3	5.1	11.2	8.2	9.3	---	---	---
30	8.3	2.1	4.5	7.3	2.3	5.0	8.3	5.0	6.7	---	---	---
31	6.3	2.1	3.7	---	---	---	7.9	5.0	6.5	---	---	---
MONTH	---	---	---	9.5	1.6	4.9	11.2	1.8	7.3	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	11.2	8.6	9.7
3	---	---	---	---	---	---	---	---	---	12.0	8.6	9.8
4	---	---	---	---	---	---	---	---	---	11.1	8.5	9.7
5	---	---	---	---	---	---	---	---	---	10.9	8.5	9.8
6	---	---	---	---	---	---	---	---	---	10.7	8.5	9.6
7	---	---	---	---	---	---	---	---	---	10.8	8.3	9.7
8	---	---	---	---	---	---	---	---	---	11.5	8.4	9.6
9	---	---	---	---	---	---	---	---	---	11.5	8.6	9.9
10	---	---	---	---	---	---	---	---	---	10.7	8.9	9.9
11	---	---	---	---	---	---	---	---	---	10.9	8.5	9.7
12	---	---	---	---	---	---	---	---	---	10.8	8.6	9.8
13	---	---	---	---	---	---	---	---	---	10.8	8.7	9.9
14	---	---	---	---	---	---	---	---	---	10.4	8.7	9.6
15	---	---	---	---	---	---	---	---	---	10.4	8.4	9.5
16	---	---	---	---	---	---	---	---	---	10.7	8.4	9.5
17	---	---	---	---	---	---	---	---	---	11.4	8.2	9.5
18	---	---	---	---	---	---	---	---	---	10.1	8.0	9.2
19	---	---	---	---	---	---	---	---	---	10.4	8.2	9.5
20	---	---	---	---	---	---	---	---	---	10.9	8.2	9.4
21	---	---	---	---	---	---	---	---	---	11.3	8.2	9.7
22	---	---	---	---	---	---	---	---	---	10.8	8.2	9.5
23	---	---	---	---	---	---	---	---	---	11.0	8.1	9.5
24	---	---	---	---	---	---	---	---	---	11.1	8.5	9.9
25	---	---	---	---	---	---	---	---	---	10.9	8.3	9.8
26	---	---	---	---	---	---	---	---	---	10.5	8.5	9.7
27	---	---	---	---	---	---	---	---	---	10.9	8.4	9.2
28	---	---	---	---	---	---	---	---	---	10.6	8.5	9.6
29	---	---	---	---	---	---	---	---	---	10.4	8.4	9.4
30	---	---	---	---	---	---	---	---	---	10.8	8.4	9.7
31	---	---	---	---	---	---	---	---	---	11.2	8.4	9.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.8	8.3	9.6	11.8	8.2	9.6	9.6	6.4	7.6	8.2	3.8	5.6
2	10.8	8.3	9.3	12.4	8.1	10.1	10.4	6.4	7.3	7.9	3.8	5.3
3	10.5	8.3	9.3	11.6	8.1	9.3	8.7	5.9	6.9	8.6	3.8	6.3
4	11.0	8.2	9.3	11.5	8.0	9.2	8.7	5.8	6.6	9.0	3.6	5.5
5	10.4	8.2	9.4	11.0	7.9	9.1	8.3	5.8	6.6	8.0	3.4	5.1
6	10.7	8.5	9.4	11.1	7.9	8.7	8.3	5.6	6.6	9.0	3.5	5.8
7	11.3	8.5	9.6	11.1	7.8	8.9	8.6	5.6	6.5	9.8	3.5	6.0
8	10.9	8.5	9.4	11.4	7.6	8.9	8.2	5.4	6.4	10.0	4.7	6.9
9	10.6	8.5	9.4	10.6	7.6	8.9	9.0	5.7	6.4	10.3	5.7	8.4
10	10.4	8.4	9.2	10.6	7.4	8.2	8.7	5.6	6.5	9.8	5.4	6.9
11	11.3	8.5	9.4	10.7	7.4	8.4	9.1	5.4	6.5	10.4	5.5	7.7
12	10.8	8.4	9.7	10.2	7.3	8.9	8.8	5.4	6.2	10.5	5.7	7.8
13	11.5	8.5	9.6	10.8	7.0	8.3	8.5	5.4	6.6	10.8	5.5	7.4
14	10.7	8.6	9.3	10.4	7.0	8.1	10.3	5.2	6.2	10.8	5.8	8.1
15	10.9	8.6	9.6	10.3	6.7	8.0	10.3	4.9	5.9	10.2	5.6	7.7
16	11.7	8.6	9.6	10.4	6.5	8.0	8.9	5.0	6.0	10.3	5.7	7.3
17	11.0	8.6	9.8	10.0	6.4	7.9	8.5	4.9	6.1	9.8	5.9	7.1
18	10.8	8.7	9.5	10.3	6.2	7.7	8.6	4.5	6.1	11.5	5.6	7.2
19	10.9	8.7	9.9	9.5	6.3	7.7	9.2	4.5	6.6	10.4	5.5	7.4
20	11.2	8.6	9.8	16.7	6.3	8.0	9.2	4.6	6.1	11.4	5.6	8.1
21	11.0	8.7	9.9	9.6	6.3	7.4	8.5	4.5	5.7	10.7	5.7	7.7
22	11.9	8.6	9.7	9.0	6.5	7.7	9.0	4.4	5.6	10.8	5.1	7.0
23	12.4	8.6	9.9	10.8	6.4	8.0	9.0	4.3	5.6	9.5	4.8	6.6
24	12.3	8.7	10.3	10.5	6.5	7.9	8.5	4.1	5.5	8.3	4.9	6.8
25	11.8	8.6	10.2	9.6	6.5	7.9	9.1	4.4	5.9	11.2	5.3	7.5
26	12.9	8.5	10.2	9.9	6.6	7.7	9.1	4.0	5.9	8.7	4.7	6.9
27	11.5	8.3	9.5	10.1	6.5	7.7	8.3	4.2	6.0	9.7	4.6	7.1
28	12.4	8.3	9.5	9.8	6.6	7.6	8.5	4.0	5.8	9.6	5.0	6.7
29	12.0	8.3	9.9	9.9	6.4	7.5	8.4	3.8	5.2	8.4	5.2	6.6
30	11.2	8.3	9.6	9.5	6.5	7.6	8.1	3.8	5.2	8.8	5.1	6.4
31	---	---	---	9.7	6.4	7.4	8.2	4.1	5.3	---	---	---
MONTH	12.9	8.2	9.6	16.7	6.2	8.3	10.4	3.8	6.2	11.5	3.4	6.9

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.1	13.3	14.8	16.1	14.8	15.6	14.8	13.4	14.4	---	---	---
2	16.1	13.3	14.7	17.5	13.9	16.4	14.8	13.6	14.3	---	---	---
3	15.9	13.7	14.8	17.0	14.7	16.2	15.3	13.8	14.4	---	---	---
4	16.0	13.7	15.1	16.3	15.1	16.1	14.7	14.3	14.6	---	---	---
5	16.0	13.4	14.9	16.1	14.3	15.5	14.8	13.8	14.5	---	---	---
6	16.3	13.3	14.7	16.3	14.4	15.3	14.9	14.4	14.7	---	---	---
7	---	---	---	16.2	14.5	15.3	14.7	13.6	14.3	---	---	---
8	15.5	14.4	15.2	16.0	14.3	15.4	14.7	13.5	14.0	---	---	---
9	16.1	14.4	15.1	16.0	14.2	15.2	14.3	13.7	14.0	---	---	---
10	15.7	14.2	15.0	16.1	14.4	15.2	14.4	13.1	13.7	---	---	---
11	15.7	14.2	15.3	16.1	14.1	15.3	13.8	13.1	13.4	---	---	---
12	15.7	14.2	15.2	15.9	14.1	15.3	14.0	13.0	13.6	---	---	---
13	16.0	14.0	15.1	16.1	14.2	14.8	14.0	13.3	13.7	---	---	---
14	15.7	14.0	15.2	16.0	14.1	14.9	14.0	12.9	13.5	---	---	---
15	15.6	13.8	15.2	16.0	13.9	14.9	13.6	12.2	12.9	---	---	---
16	16.1	14.1	15.0	16.0	13.8	15.3	13.6	12.5	13.2	---	---	---
17	16.3	14.0	14.9	15.9	14.0	15.4	13.8	12.2	13.0	---	---	---
18	16.2	14.2	15.5	15.6	13.9	15.0	13.3	12.1	12.7	---	---	---
19	15.8	13.9	15.3	15.6	14.1	14.7	12.7	11.9	12.2	---	---	---
20	15.8	13.7	15.3	15.8	14.4	15.1	12.9	11.6	12.4	---	---	---
21	15.9	13.8	14.9	15.6	13.9	14.7	12.8	11.3	12.4	---	---	---
22	16.5	13.8	15.3	15.9	14.3	15.0	12.6	11.3	12.1	---	---	---
23	16.4	13.9	14.9	16.0	14.3	15.1	12.5	11.4	11.9	---	---	---
24	16.0	13.5	14.8	16.1	14.6	15.5	12.1	11.2	11.5	---	---	---
25	15.8	13.3	15.2	15.6	14.2	14.8	12.2	10.9	11.3	---	---	---
26	15.8	13.8	15.4	15.2	13.7	14.4	11.9	11.0	11.2	---	---	---
27	15.9	14.1	15.5	15.7	13.7	14.3	11.9	10.9	11.5	---	---	---
28	15.9	15.6	15.8	15.2	13.8	14.4	11.8	10.7	11.1	---	---	---
29	15.9	14.6	15.7	15.1	13.6	14.6	11.8	10.9	11.2	---	---	---
30	16.2	14.4	15.1	15.2	13.4	14.7	12.1	10.9	11.3	---	---	---
31	15.7	14.5	15.0	---	---	---	11.7	10.5	10.9	---	---	---
MONTH	---	---	---	17.5	13.4	15.1	15.3	10.5	12.9	---	---	---

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	10.4	8.1	8.8
3	---	---	---	---	---	---	---	---	---	10.0	8.3	8.8
4	---	---	---	---	---	---	---	---	---	11.5	8.2	9.2
5	---	---	---	---	---	---	---	---	---	11.4	8.3	9.3
6	---	---	---	---	---	---	---	---	---	9.9	8.3	8.9
7	---	---	---	---	---	---	---	---	---	11.2	8.5	9.4
8	---	---	---	---	---	---	---	---	---	11.1	8.3	9.0
9	---	---	---	---	---	---	---	---	---	9.9	8.5	9.0
10	---	---	---	---	---	---	---	---	---	12.7	7.9	9.7
11	---	---	---	---	---	---	---	---	---	13.2	8.4	10.0
12	---	---	---	---	---	---	---	---	---	12.0	8.5	9.9
13	---	---	---	---	---	---	---	---	---	12.5	8.1	9.7
14	---	---	---	---	---	---	---	---	---	12.4	7.9	9.6
15	---	---	---	---	---	---	---	---	---	9.7	8.1	8.8
16	---	---	---	---	---	---	---	---	---	11.3	8.2	9.2
17	---	---	---	---	---	---	---	---	---	12.2	8.4	9.8
18	---	---	---	---	---	---	---	---	---	10.6	8.6	9.3
19	---	---	---	---	---	---	---	---	---	10.6	8.4	9.3
20	---	---	---	---	---	---	---	---	---	10.6	8.3	9.0
21	---	---	---	---	---	---	---	---	---	11.8	8.5	9.6
22	---	---	---	---	---	---	---	---	---	12.3	8.3	9.8
23	---	---	---	---	---	---	---	---	---	12.8	8.4	9.8
24	---	---	---	---	---	---	---	---	---	11.9	8.3	9.9
25	---	---	---	---	---	---	---	---	---	11.8	8.8	9.9
26	---	---	---	---	---	---	---	---	---	12.7	8.6	9.8
27	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
28	---	---	---	---	---	---	---	---	---	13.5	8.4	10.1
29	---	---	---	---	---	---	---	---	---	13.3	8.3	10.1
30	---	---	---	---	---	---	---	---	---	13.3	8.5	10.1
31	---	---	---	---	---	---	---	---	---	13.4	8.4	9.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.6	8.4	10.0	9.8	8.8	9.3	11.1	9.4	10.3	13.6	11.4	12.7
2	13.0	8.5	10.0	10.2	8.7	9.2	11.2	9.5	10.4	13.7	11.4	13.0
3	12.3	8.5	9.5	10.1	8.8	9.4	11.2	9.5	10.5	13.7	11.6	12.9
4	11.4	8.5	9.3	9.6	8.9	9.3	11.3	9.6	10.6	13.9	11.6	12.6
5	12.2	8.5	10.0	9.9	8.7	9.3	11.5	9.7	10.8	13.5	11.3	12.5
6	13.1	8.2	9.8	10.4	8.9	9.5	11.6	9.7	10.8	14.4	11.2	12.4
7	13.3	8.1	9.8	10.2	9.0	9.5	11.7	9.8	11.0	13.9	11.6	12.9
8	13.3	8.1	9.6	11.3	8.9	9.6	11.7	9.8	11.0	13.9	11.8	13.0
9	12.8	8.3	9.4	9.9	9.0	9.5	11.9	9.9	11.3	13.9	12.1	13.3
10	11.8	8.6	9.3	10.2	9.0	9.7	11.9	10.1	11.3	14.2	11.9	13.4
11	11.0	8.6	9.2	10.3	9.1	9.8	12.0	10.1	11.2	14.2	12.1	13.7
12	13.6	8.6	10.3	10.5	9.3	9.9	12.0	9.9	11.3	15.7	11.8	13.3
13	12.8	8.6	9.4	10.4	9.3	9.9	12.6	10.1	11.4	14.1	11.6	12.9
14	10.4	8.6	9.1	10.2	9.0	9.8	12.3	10.0	11.2	14.3	11.6	13.3
15	13.4	8.5	9.9	11.5	9.0	9.9	12.4	10.2	11.6	15.4	11.8	13.1
16	11.9	8.6	9.6	10.5	9.1	9.9	12.6	10.4	11.9	14.4	11.4	12.4
17	11.3	8.9	9.8	11.4	9.2	9.9	12.6	10.5	11.9	14.1	11.3	12.8
18	9.8	8.7	9.2	13.4	9.1	10.1	12.8	10.7	11.7	14.7	11.7	12.8
19	11.7	8.7	9.5	12.3	9.1	10.0	14.0	10.5	11.6	14.8	11.6	13.0
20	12.5	8.8	9.9	10.9	9.4	10.1	12.8	10.6	11.9	15.6	11.6	13.4
21	10.4	8.7	9.5	10.6	9.2	9.8	12.9	10.8	12.2	14.1	12.0	12.9
22	13.2	8.7	10.1	10.3	9.2	9.6	13.0	10.8	12.1	14.2	11.8	12.7
23	12.6	8.8	9.5	11.2	9.0	9.8	12.9	10.6	12.2	15.8	12.1	13.3
24	10.6	8.8	9.4	10.4	9.0	9.7	13.0	10.8	12.1	14.1	12.5	13.2
25	13.2	8.6	9.8	11.8	9.0	9.8	13.1	11.0	12.4	15.4	11.3	13.1
26	12.1	8.7	9.5	10.8	9.0	9.9	13.3	11.0	12.5	14.5	11.3	12.8
27	12.6	8.7	9.8	10.8	9.4	10.1	13.2	11.1	12.6	14.6	11.6	12.8
28	9.5	8.7	9.1	10.9	9.4	10.1	13.4	10.9	12.7	14.6	11.8	12.9
29	12.4	8.6	9.4	10.8	9.4	10.1	13.5	11.1	12.5	14.6	11.7	12.9
30	11.4	8.5	9.3	11.1	9.3	10.2	13.4	11.1	12.4	14.7	11.6	12.6
31	---	---	---	11.0	9.3	10.2	13.5	11.2	12.8	---	---	---
MONTH	13.6	8.1	9.6	13.4	8.7	9.8	14.0	9.4	11.6	15.8	11.2	13.0

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 mi².

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: May 1994 to current year.

DISSOLVED OXYGEN: May 1994 to current year.

REMARKS.--Dissolved oxygen and water temperature are collected June through December.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG												
15...	1426	80513	80513	762	46	4.8	7.2	225	12.6	400	20.0	.50
15...	1427	80513	80513	762	46	4.9	7.1	227	12.6	400	60.0	.50
15...	1428	80513	80513	762	46	4.9	7.1	224	12.6	400	100	.50
15...	1429	80513	80513	762	47	5.0	7.1	227	12.6	400	140	.50
15...	1430	80513	80513	762	47	5.0	7.1	228	12.8	400	180	.50
15...	1432	80513	80513	762	45	4.7	7.1	225	12.8	400	220	.50
15...	1433	80513	80513	762	42	4.4	7.1	228	12.7	400	260	.50
15...	1434	80513	80513	762	40	4.3	7.1	227	12.6	400	300	.50
15...	1435	80513	80513	762	40	4.2	7.1	228	12.6	400	340	.50
15...	1436	80513	80513	762	41	4.3	7.1	227	12.6	400	380	.50

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.2	5.2	8.5	8.8	5.6	7.0	13.6	7.5	9.3	---	---	---
2	15.8	4.4	9.1	9.2	5.7	7.7	11.7	6.4	8.5	---	---	---
3	15.1	5.4	8.2	10.0	7.2	8.5	13.2	6.5	8.7	---	---	---
4	11.4	4.9	7.1	9.2	7.1	8.3	9.2	6.3	8.1	---	---	---
5	14.8	5.1	8.8	9.5	6.1	7.6	9.7	7.7	8.5	---	---	---
6	15.8	5.9	9.7	12.2	6.1	8.0	9.8	6.8	8.7	---	---	---
7	13.4	3.9	6.8	14.7	5.5	9.3	13.6	8.3	10.0	---	---	---
8	8.8	5.6	7.1	10.1	6.4	8.0	13.8	8.6	10.2	---	---	---
9	15.5	6.0	9.2	16.8	6.7	9.7	11.4	7.8	9.0	---	---	---
10	14.5	5.2	7.7	17.5	7.2	10.5	15.3	8.2	10.4	---	---	---
11	9.5	5.1	6.9	---	---	---	13.4	9.5	10.8	---	---	---
12	10.0	4.1	6.8	9.7	6.6	8.2	13.0	8.5	11.4	---	---	---
13	9.7	4.9	6.6	16.4	4.8	9.3	14.8	7.4	10.4	---	---	---
14	13.7	5.9	7.7	15.8	4.0	8.2	14.1	8.5	10.0	---	---	---
15	9.2	4.7	6.6	16.7	5.8	8.8	13.8	7.7	10.6	---	---	---
16	13.9	4.2	8.3	14.7	6.2	8.6	---	---	---	---	---	---
17	17.2	4.1	8.3	14.5	5.9	8.6	---	---	---	---	---	---
18	10.0	6.2	7.9	14.0	6.2	8.9	---	---	---	---	---	---
19	10.2	6.5	8.1	14.8	6.0	8.9	14.6	8.4	10.7	---	---	---
20	8.6	5.2	7.4	15.7	5.9	8.9	15.0	8.2	10.1	---	---	---
21	11.7	5.8	8.0	15.1	6.5	9.4	13.5	9.3	10.5	---	---	---
22	8.7	5.9	7.1	14.4	6.3	8.8	14.6	8.8	11.0	---	---	---
23	13.1	6.3	8.9	14.1	6.9	9.1	14.9	8.5	11.2	---	---	---
24	10.8	5.9	8.3	16.3	6.1	9.6	15.1	9.6	11.7	---	---	---
25	8.9	6.0	7.3	13.5	7.2	9.7	14.8	9.9	11.8	---	---	---
26	8.6	6.2	7.3	15.3	7.4	10.0	15.1	9.6	11.3	---	---	---
27	9.2	5.6	7.4	14.4	6.6	9.1	13.4	9.0	10.5	---	---	---
28	9.1	5.8	7.3	14.5	6.5	9.2	15.2	9.5	11.8	---	---	---
29	8.3	5.3	6.7	15.9	7.8	10.5	11.3	9.3	10.3	---	---	---
30	14.9	4.9	8.9	12.2	7.3	8.9	14.9	8.5	11.1	---	---	---
31	13.8	3.3	6.9	---	---	---	15.4	8.5	10.8	---	---	---
MONTH	17.2	3.3	7.8	---	---	---	---	---	---	---	---	---

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	13.1	9.0	10.6
3	---	---	---	---	---	---	---	---	---	12.9	8.6	10.4
4	---	---	---	---	---	---	---	---	---	13.2	8.7	10.7
5	---	---	---	---	---	---	---	---	---	13.8	8.8	10.8
6	---	---	---	---	---	---	---	---	---	12.6	8.7	10.4
7	---	---	---	---	---	---	---	---	---	13.2	8.4	10.5
8	---	---	---	---	---	---	---	---	---	12.6	8.3	9.8
9	---	---	---	---	---	---	---	---	---	12.2	8.6	10.5
10	---	---	---	---	---	---	---	---	---	12.9	9.4	10.9
11	---	---	---	---	---	---	---	---	---	13.3	8.7	10.6
12	---	---	---	---	---	---	---	---	---	12.8	8.5	10.4
13	---	---	---	---	---	---	---	---	---	13.3	8.7	10.7
14	---	---	---	---	---	---	---	---	---	13.0	9.4	10.9
15	---	---	---	---	---	---	---	---	---	12.9	8.9	10.7
16	---	---	---	---	---	---	---	---	---	12.9	8.7	10.5
17	---	---	---	---	---	---	---	---	---	13.0	8.4	10.4
18	---	---	---	---	---	---	---	---	---	12.4	8.1	10.1
19	---	---	---	---	---	---	---	---	---	13.2	8.5	10.6
20	---	---	---	---	---	---	---	---	---	13.0	8.6	10.6
21	---	---	---	---	---	---	---	---	---	13.2	8.6	10.7
22	---	---	---	---	---	---	---	---	---	13.0	8.8	10.7
23	---	---	---	---	---	---	---	---	---	13.1	8.6	10.5
24	---	---	---	---	---	---	---	---	---	13.3	8.5	10.6
25	---	---	---	---	---	---	---	---	---	13.2	8.0	10.2
26	---	---	---	---	---	---	---	---	---	13.7	8.4	10.5
27	---	---	---	---	---	---	---	---	---	10.1	8.3	9.1
28	---	---	---	---	---	---	---	---	---	14.1	8.4	10.7
29	---	---	---	---	---	---	---	---	---	14.4	8.1	10.6
30	---	---	---	---	---	---	---	---	---	14.0	8.0	10.6
31	---	---	---	---	---	---	---	---	---	13.5	8.1	10.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.1	8.2	10.3	12.4	8.1	9.7	11.5	7.1	8.3	10.5	5.0	6.8
2	13.3	7.9	9.9	12.9	7.9	9.8	10.9	6.9	7.9	8.6	4.1	6.4
3	13.7	7.9	10.1	11.4	8.0	9.0	13.3	6.6	8.0	13.9	5.8	7.6
4	13.1	8.1	10.2	10.4	8.4	9.3	12.2	6.3	7.7	15.9	5.1	8.1
5	13.2	7.8	10.4	11.1	8.2	9.2	11.6	6.2	7.6	13.6	4.7	7.5
6	12.8	8.5	10.2	12.0	8.1	9.1	13.4	5.8	7.6	17.8	5.3	8.5
7	13.2	8.7	10.5	11.6	8.3	9.3	7.7	5.9	6.9	9.1	5.0	6.9
8	12.7	8.6	10.3	13.4	8.3	9.5	10.1	5.9	7.2	10.3	4.8	6.6
9	13.2	8.4	10.2	10.3	8.3	9.2	8.8	6.0	6.8	16.0	4.9	7.9
10	12.5	8.2	9.7	9.9	7.7	8.4	12.8	5.7	7.3	9.2	3.6	6.1
11	12.7	8.1	9.9	10.0	7.6	8.4	11.4	5.7	7.0	8.2	4.3	6.1
12	13.3	8.1	10.2	9.5	7.7	8.2	8.9	5.6	6.9	17.1	5.3	8.6
13	12.2	8.3	9.9	10.4	7.6	8.6	13.8	5.4	7.6	9.8	4.4	6.0
14	10.9	7.9	9.4	9.8	7.6	8.7	12.5	5.5	7.0	---	---	---
15	13.1	8.3	10.1	12.7	7.9	9.2	9.6	4.8	6.6	---	---	---
16	11.9	8.1	9.7	12.1	7.8	8.9	11.1	4.7	6.0	---	---	---
17	9.7	7.8	8.9	14.1	7.8	9.8	11.5	4.7	6.4	---	---	---
18	11.6	8.2	9.2	14.6	7.4	9.5	11.1	5.3	7.0	---	---	---
19	13.4	8.1	10.3	13.8	7.5	8.9	14.9	5.8	8.4	---	---	---
20	13.2	8.1	10.1	14.3	7.6	8.7	12.2	4.6	6.6	15.9	4.6	8.8
21	11.8	8.0	9.4	9.9	7.6	8.5	9.2	4.7	6.6	17.4	4.5	8.7
22	13.7	8.1	10.2	13.0	7.9	9.7	10.2	5.8	6.6	15.8	4.3	7.2
23	14.7	8.0	9.9	13.7	7.6	9.5	9.8	4.9	6.7	15.5	3.9	7.6
24	13.1	8.2	10.2	12.2	7.5	8.8	10.5	5.0	6.8	11.5	3.8	7.0
25	14.2	8.1	10.4	14.1	7.4	9.3	11.0	5.2	6.8	15.6	5.6	9.0
26	14.1	7.8	10.4	11.6	7.2	8.5	7.7	5.1	6.6	17.7	5.5	9.5
27	14.1	8.0	10.5	11.2	7.3	8.5	13.6	5.8	7.5	16.7	5.6	9.8
28	12.2	7.8	9.6	12.6	7.3	8.4	8.8	4.4	6.3	16.0	5.1	9.0
29	14.4	8.3	10.3	9.9	7.3	8.2	10.3	4.2	6.2	15.5	5.2	8.9
30	13.5	8.2	10.1	11.9	7.5	8.7	13.3	5.0	6.6	12.6	5.1	7.9
31	---	---	---	11.8	6.9	8.0	8.2	4.1	6.1	---	---	---
MONTH	14.7	7.8	10.0	14.6	6.9	9.0	14.9	4.1	7.0	---	---	---

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.7	12.8	16.0	16.4	15.5	15.9	16.1	11.6	14.4	---	---	---
2	20.8	12.9	15.8	17.2	13.4	16.3	14.9	12.2	14.2	---	---	---
3	18.7	13.8	15.5	17.0	13.3	16.1	17.3	13.5	14.7	---	---	---
4	18.2	13.9	15.7	16.6	15.2	16.1	15.1	14.1	14.6	---	---	---
5	20.5	12.9	15.9	16.5	13.6	15.6	14.6	12.8	14.1	---	---	---
6	20.7	13.0	16.0	17.9	14.0	15.7	15.0	13.9	14.5	---	---	---
7	17.3	13.3	15.2	19.4	13.9	16.1	16.1	12.5	14.4	---	---	---
8	15.9	15.4	15.5	16.9	13.8	15.6	14.7	11.1	12.8	---	---	---
9	19.4	15.4	16.6	19.4	13.6	15.8	14.1	12.7	13.2	---	---	---
10	18.0	15.2	15.9	19.8	13.8	16.0	15.2	10.8	12.9	---	---	---
11	16.1	15.3	15.6	19.5	13.0	15.9	12.1	10.1	11.1	---	---	---
12	15.9	15.0	15.6	16.3	13.2	15.2	13.4	8.0	10.7	---	---	---
13	16.1	14.4	15.5	19.7	13.0	15.7	13.7	10.6	12.6	---	---	---
14	18.1	14.5	15.7	19.4	13.2	15.5	15.2	10.2	12.7	---	---	---
15	16.3	14.4	15.5	18.4	12.1	14.8	13.4	9.6	12.0	---	---	---
16	19.5	14.8	16.7	18.6	12.3	15.4	---	---	---	---	---	---
17	17.2	14.1	15.6	18.2	13.2	15.7	---	---	---	---	---	---
18	16.4	13.9	15.6	18.5	12.9	15.4	---	---	---	---	---	---
19	16.4	14.2	15.6	17.3	12.9	15.0	12.3	9.7	10.6	---	---	---
20	16.3	13.5	15.4	18.3	12.8	14.7	13.2	9.9	12.0	---	---	---
21	17.6	13.4	15.6	17.8	12.2	14.6	13.1	8.6	12.0	---	---	---
22	16.5	12.8	15.1	18.6	13.9	15.5	13.8	7.7	11.4	---	---	---
23	17.6	12.7	15.3	17.7	15.1	15.8	13.3	9.2	11.3	---	---	---
24	16.8	11.2	14.1	16.7	12.8	15.2	13.2	8.8	10.3	---	---	---
25	16.2	12.1	15.1	15.1	12.7	14.0	13.6	7.9	9.9	---	---	---
26	16.4	13.2	15.4	16.2	11.0	13.5	13.9	8.6	10.4	---	---	---
27	16.7	14.0	15.6	17.9	11.3	13.9	11.6	8.1	10.1	---	---	---
28	16.4	15.7	15.9	16.4	11.8	13.6	13.3	7.3	10.3	---	---	---
29	16.1	15.1	15.8	16.7	11.0	14.0	12.2	8.6	10.2	---	---	---
30	19.7	14.6	16.5	15.1	11.0	14.1	14.5	9.1	11.0	---	---	---
31	17.5	15.4	16.0	---	---	---	14.4	8.7	10.7	---	---	---
MONTH	20.8	11.2	15.7	19.8	11.0	15.2	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	13.7	9.5	11.2
3	---	---	---	---	---	---	---	---	---	14.0	9.7	11.4
4	---	---	---	---	---	---	---	---	---	16.0	10.0	12.1
5	---	---	---	---	---	---	---	---	---	15.2	9.6	11.8
6	---	---	---	---	---	---	---	---	---	13.4	9.4	11.4
7	---	---	---	---	---	---	---	---	---	15.8	9.7	12.5
8	---	---	---	---	---	---	---	---	---	14.0	9.1	10.5
9	---	---	---	---	---	---	---	---	---	13.2	9.3	12.0
10	---	---	---	---	---	---	---	---	---	17.7	9.1	12.4
11	---	---	---	---	---	---	---	---	---	18.2	9.9	13.6
12	---	---	---	---	---	---	---	---	---	17.8	10.1	13.7
13	---	---	---	---	---	---	---	---	---	17.8	10.0	12.9
14	---	---	---	---	---	---	---	---	---	17.8	9.0	12.4
15	---	---	---	---	---	---	---	---	---	12.6	9.1	10.9
16	---	---	---	---	---	---	---	---	---	15.5	9.5	11.7
17	---	---	---	---	---	---	---	---	---	17.6	9.8	13.1
18	---	---	---	---	---	---	---	---	---	14.8	9.6	12.6
19	---	---	---	---	---	---	---	---	---	14.4	9.6	11.8
20	---	---	---	---	---	---	---	---	---	14.1	9.4	11.4
21	---	---	---	---	---	---	---	---	---	16.1	9.2	12.4
22	---	---	---	---	---	---	---	---	---	17.8	9.5	12.9
23	---	---	---	---	---	---	---	---	---	19.1	9.3	12.6
24	---	---	---	---	---	---	---	---	---	17.8	10.0	13.5
25	---	---	---	---	---	---	---	---	---	17.3	9.8	14.4
26	---	---	---	---	---	---	---	---	---	18.0	9.8	13.3
27	---	---	---	---	---	---	---	---	---	17.0	11.4	13.4
28	---	---	---	---	---	---	---	---	---	19.2	11.0	14.1
29	---	---	---	---	---	---	---	---	---	19.0	10.4	13.7
30	---	---	---	---	---	---	---	---	---	19.0	9.6	13.4
31	---	---	---	---	---	---	---	---	---	18.5	10.6	13.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.3	9.6	13.5	13.0	9.6	11.1	13.6	10.6	11.7	14.9	13.2	13.7
2	19.0	9.8	13.6	15.2	9.6	11.3	13.2	10.8	11.6	14.2	13.4	13.7
3	17.8	10.4	12.8	13.1	9.4	10.7	13.9	10.9	11.8	16.0	13.4	14.0
4	16.1	10.4	12.3	13.4	9.4	10.6	13.8	10.9	11.7	17.2	13.7	14.5
5	16.8	9.9	13.3	12.3	9.5	10.5	13.5	11.0	11.6	15.7	13.7	14.4
6	18.8	9.9	13.1	13.4	9.6	10.9	14.6	11.1	12.0	18.0	12.9	14.1
7	18.4	9.5	12.3	13.3	9.6	10.5	12.9	11.2	11.7	14.4	13.6	14.0
8	18.6	9.8	12.4	17.2	9.6	11.4	12.6	11.1	11.6	14.9	13.5	14.0
9	16.9	10.1	12.3	12.5	9.6	10.4	12.6	11.3	11.7	17.0	13.6	14.3
10	16.0	10.1	11.9	12.3	9.8	10.4	15.1	11.5	12.2	14.7	13.6	14.0
11	14.2	10.9	12.2	11.8	9.8	10.3	14.2	11.5	12.3	15.2	13.6	14.1
12	18.9	10.0	13.6	12.5	9.8	10.6	12.5	11.6	11.9	18.9	14.0	15.4
13	17.8	9.8	11.8	11.9	9.8	10.4	15.8	11.7	12.5	15.1	13.3	14.1
14	13.9	10.2	12.4	11.6	9.9	10.4	14.5	11.8	12.4	---	---	---
15	18.3	10.6	13.0	14.2	10.1	11.2	13.1	11.9	12.3	---	---	---
16	17.4	10.3	12.8	13.9	10.2	11.3	14.3	12.0	12.4	---	---	---
17	19.5	11.4	14.7	15.1	10.2	12.1	14.7	12.2	12.6	---	---	---
18	17.6	10.3	13.7	17.8	10.0	12.1	14.7	12.5	13.3	---	---	---
19	16.4	9.8	13.4	15.8	10.2	11.7	18.9	12.0	13.7	---	---	---
20	17.4	11.0	13.5	14.3	10.2	11.8	14.7	12.2	12.9	20.0	13.9	15.9
21	19.0	10.8	14.9	12.8	10.3	11.2	13.3	12.3	12.8	17.3	13.2	14.8
22	19.2	11.6	14.3	13.9	10.8	12.2	14.2	12.7	13.1	17.1	12.9	14.3
23	18.0	9.5	12.0	14.1	11.2	12.4	13.5	12.3	12.9	20.3	14.1	16.0
24	14.9	9.4	11.5	12.9	10.2	11.2	14.2	12.6	13.1	15.6	14.3	15.1
25	18.9	9.5	12.5	14.9	10.4	11.8	14.6	12.7	13.2	16.1	12.2	14.5
26	15.6	9.8	12.1	12.8	10.4	11.4	13.6	12.8	13.2	19.1	11.1	13.7
27	19.1	11.2	13.6	13.4	10.5	11.4	15.5	12.9	13.4	19.1	11.8	14.5
28	12.7	9.7	11.5	14.9	10.6	12.1	13.9	12.9	13.3	19.4	12.6	15.0
29	16.5	9.9	11.5	14.7	10.6	12.5	14.4	13.1	13.5	19.5	12.1	14.9
30	14.5	9.4	11.1	13.6	11.0	12.3	15.5	13.0	13.5	19.1	11.9	14.7
31	---	---	---	13.4	10.6	11.8	13.9	13.0	13.4	---	---	---
MONTH	19.5	9.4	12.8	17.8	9.4	11.3	18.9	10.6	12.6	---	---	---

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.

REMARKS.--Dissolved oxygen and water temperature collected June through December.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
15...	1103	80513	80513	763	99	10.1	8.2
15...	1106	80513	80513	763	87	9.2	8.1
15...	1107	80513	80513	763	82	8.7	7.9
15...	1109	80513	80513	763	75	8.0	7.7
15...	1110	80513	80513	763	71	7.6	7.6
15...	1112	80513	80513	763	74	7.9	7.6
15...	1113	80513	80513	763	78	8.2	7.6
15...	1114	80513	80513	763	98	9.9	7.7
15...	1115	80513	80513	763	111	10.9	7.8

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG						
15...	234	14.7	2.60	400	22.0	1.30
15...	231	12.8	3.80	400	66.0	1.90
15...	230	12.7	3.60	400	110.0	1.80
15...	230	12.7	3.00	400	154.0	1.50
15...	230	12.7	3.00	400	198.0	1.50
15...	230	12.9	5.00	400	242.0	2.50
15...	231	13.2	2.20	400	286.0	1.10
15...	236	15.1	3.00	400	330.0	1.50
15...	239	15.9	3.40	400	374.0	1.70

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.3	5.6	8.6	8.9	5.2	7.1	11.4	7.2	8.6	---	---	---
2	12.8	5.6	8.7	9.1	7.1	8.0	9.9	7.1	8.4	---	---	---
3	12.0	5.2	8.3	9.1	7.3	8.3	11.5	6.8	8.6	---	---	---
4	10.4	5.1	7.1	8.5	7.4	8.0	8.6	7.0	7.9	---	---	---
5	12.5	5.2	8.3	8.9	7.2	8.0	9.2	7.2	8.0	---	---	---
6	13.1	6.4	9.5	9.9	6.4	8.2	9.5	7.5	8.3	---	---	---
7	11.2	4.3	6.9	11.6	6.7	8.6	11.7	7.4	9.1	---	---	---
8	7.6	4.8	6.2	8.8	6.5	7.4	11.7	8.1	9.4	---	---	---
9	12.4	5.1	8.4	12.1	6.3	8.4	10.1	7.3	8.6	---	---	---
10	11.7	4.1	6.7	12.0	6.8	8.9	12.2	8.0	9.6	---	---	---
11	7.6	3.9	5.4	12.2	7.4	9.0	11.5	8.5	9.9	---	---	---
12	7.3	4.1	5.7	8.4	6.6	7.7	10.2	7.7	9.4	---	---	---
13	10.1	4.6	6.4	12.0	7.4	9.1	12.0	7.5	9.1	---	---	---
14	11.9	5.2	7.5	11.9	6.6	8.6	11.7	7.8	9.3	---	---	---
15	8.0	5.2	6.7	12.2	6.7	8.9	12.4	7.9	9.9	---	---	---
16	12.1	5.2	8.4	11.4	6.8	8.7	11.4	7.5	9.4	---	---	---
17	13.0	5.3	8.0	11.5	6.3	8.4	12.3	7.5	9.5	---	---	---
18	9.3	5.2	6.9	11.8	7.2	8.8	12.2	7.5	9.6	---	---	---
19	10.0	5.9	7.6	11.6	7.1	9.1	12.0	8.2	9.7	---	---	---
20	9.2	5.8	7.3	12.0	7.3	9.3	11.7	7.3	9.0	---	---	---
21	10.3	6.2	7.8	11.9	6.8	9.1	11.1	8.0	9.4	---	---	---
22	9.0	6.1	7.2	11.4	6.8	8.5	11.8	7.8	9.4	---	---	---
23	10.5	6.0	7.9	11.8	7.2	8.9	12.4	7.8	9.9	---	---	---
24	9.8	6.3	7.8	12.5	6.8	9.0	12.6	8.7	10.3	---	---	---
25	8.5	5.0	6.9	11.5	7.2	9.2	12.6	9.2	10.4	---	---	---
26	8.6	5.6	7.0	12.2	7.9	9.7	12.4	8.8	10.0	---	---	---
27	8.0	5.4	6.7	10.5	8.2	9.0	11.5	8.3	9.2	---	---	---
28	8.4	5.9	7.0	11.8	7.5	9.0	12.3	8.8	10.1	---	---	---
29	7.8	5.4	6.6	12.2	7.5	9.2	10.6	8.5	9.2	---	---	---
30	12.6	5.4	9.1	9.7	6.8	8.3	11.9	8.2	9.7	---	---	---
31	11.3	5.5	7.9	---	---	---	12.0	7.9	9.4	---	---	---
MONTH	13.1	3.9	7.4	12.5	5.2	8.6	12.6	6.8	9.3	---	---	---

		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	11.1	7.7	9.3
3	---	---	---	---	---	---	---	---	---	11.3	7.6	9.4
4	---	---	---	---	---	---	---	---	---	11.7	7.8	9.7
5	---	---	---	---	---	---	---	---	---	11.6	7.7	9.6
6	---	---	---	---	---	---	---	---	---	11.3	7.8	9.3
7	---	---	---	---	---	---	---	---	---	11.5	7.9	9.6
8	---	---	---	---	---	---	---	---	---	10.8	7.7	8.7
9	---	---	---	---	---	---	---	---	---	10.8	8.3	9.4
10	---	---	---	---	---	---	---	---	---	10.9	8.2	9.5
11	---	---	---	---	---	---	---	---	---	10.7	7.7	9.2
12	---	---	---	---	---	---	---	---	---	10.9	7.8	9.3
13	---	---	---	---	---	---	---	---	---	11.2	8.1	9.5
14	---	---	---	---	---	---	---	---	---	11.1	8.1	9.5
15	---	---	---	---	---	---	---	---	---	10.7	7.9	9.3
16	---	---	---	---	---	---	---	---	---	11.0	7.8	9.2
17	---	---	---	---	---	---	---	---	---	10.9	7.4	9.2
18	---	---	---	---	---	---	---	---	---	10.4	7.4	8.9
19	---	---	---	---	---	---	---	---	---	11.3	8.0	9.5
20	---	---	---	---	---	---	---	---	---	11.0	7.9	9.3
21	---	---	---	---	---	---	---	---	---	11.5	8.1	9.6
22	---	---	---	---	---	---	---	---	---	10.7	8.2	9.5
23	---	---	---	---	---	---	---	---	---	10.7	7.7	8.9
24	---	---	---	---	---	---	---	---	---	10.8	7.3	9.0
25	---	---	---	---	---	---	---	---	---	10.9	7.6	9.0
26	---	---	---	---	---	---	---	---	---	11.1	7.2	9.1
27	---	---	---	---	---	---	---	---	---	9.2	7.4	8.1
28	---	---	---	---	---	---	---	---	---	11.7	7.3	9.5
29	---	---	---	---	---	---	---	---	---	11.5	6.8	9.2
30	---	---	---	---	---	---	---	---	---	11.5	6.7	9.0
31	---	---	---	---	---	---	---	---	---	11.5	7.8	9.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.6	7.1	9.3	11.3	7.3	8.4	11.3	6.0	7.0	12.0	4.6	6.2
2	12.0	7.5	9.1	11.5	7.0	8.7	11.4	5.8	6.9	10.6	4.0	5.8
3	12.4	7.1	9.1	11.1	7.1	8.0	12.5	5.5	6.9	13.3	5.0	6.9
4	12.0	6.9	9.1	10.4	7.4	7.9	11.8	5.4	6.6	13.4	4.6	7.3
5	11.9	7.1	9.5	9.1	7.0	7.7	11.9	5.3	6.7	11.8	4.0	6.2
6	---	---	---	11.0	6.9	7.8	12.6	5.2	6.8	12.9	4.4	7.1
7	---	---	---	---	---	---	8.8	5.3	6.1	9.2	4.5	6.0
8	11.4	7.4	9.0	---	---	---	8.2	5.1	6.0	10.4	5.0	6.4
9	11.4	7.0	8.8	9.9	7.0	7.7	9.2	5.1	6.1	12.7	4.9	7.6
10	10.9	5.9	8.0	8.1	6.7	7.1	13.1	4.8	6.6	9.4	4.6	6.0
11	11.0	6.5	8.2	9.1	6.7	7.4	12.5	4.8	6.4	8.2	4.6	6.2
12	11.6	6.5	9.0	8.4	6.6	7.0	9.2	4.8	6.1	13.5	5.7	8.6
13	11.4	7.3	8.6	8.5	6.5	7.1	14.6	4.7	7.1	10.1	4.0	5.7
14	9.4	7.1	8.2	8.7	6.5	7.3	13.9	5.0	6.5	9.2	4.2	5.8
15	12.1	6.9	8.8	11.5	6.6	7.7	11.1	5.5	6.7	13.6	4.8	8.5
16	10.6	6.4	8.2	11.4	6.5	7.7	14.4	5.3	7.0	12.8	4.9	7.1
17	8.3	6.5	7.7	12.2	6.6	8.3	14.3	5.2	7.0	10.2	3.6	5.7
18	11.4	6.9	8.3	13.2	6.0	8.0	14.7	5.4	7.7	11.1	4.6	6.4
19	12.3	6.8	9.4	12.5	6.4	7.8	16.9	5.7	9.3	11.2	4.4	6.6
20	12.1	7.1	9.2	8.5	6.6	7.3	14.3	4.8	7.5	12.3	5.0	7.8
21	---	---	---	8.8	6.4	7.1	8.6	4.7	6.3	11.7	4.7	7.2
22	---	---	---	10.4	6.5	8.0	13.9	5.4	6.8	10.2	4.3	6.0
23	---	---	---	12.2	6.2	8.1	9.4	4.9	6.6	9.4	4.5	6.2
24	11.0	7.7	8.7	11.1	6.1	7.5	13.1	4.7	7.0	8.3	4.6	6.0
25	12.3	7.7	9.3	12.7	6.3	8.0	13.9	5.1	6.5	8.9	4.8	6.5
26	12.1	7.3	9.0	11.3	6.2	7.4	11.0	5.1	6.6	9.9	5.0	7.0
27	12.6	6.9	8.9	11.2	6.2	7.3	14.7	4.9	7.3	10.6	4.4	7.4
28	9.8	6.3	7.8	12.0	6.2	7.5	12.2	4.3	6.3	10.4	4.2	7.1
29	12.5	7.0	8.8	10.0	6.2	7.0	13.6	4.2	6.4	10.1	4.2	6.7
30	11.8	7.2	8.6	11.4	6.1	7.3	14.6	4.4	6.8	8.9	4.4	6.0
31	---	---	---	11.2	5.8	6.9	9.7	4.1	5.7	---	---	---
MONTH	---	---	---	---	---	---	16.9	4.1	6.8	13.6	3.6	6.7

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.2	14.0	16.6	16.2	15.7	15.9	15.4	12.5	14.2	---	---	---
2	20.7	14.3	16.7	17.0	13.6	16.1	14.8	13.1	14.3	---	---	---
3	18.5	15.0	16.1	16.9	14.2	16.0	16.2	13.7	14.6	---	---	---
4	17.4	15.0	15.8	16.4	15.5	15.9	15.0	14.4	14.6	---	---	---
5	19.5	13.9	16.1	16.3	14.2	15.5	14.5	13.2	14.0	---	---	---
6	20.7	13.9	16.6	17.0	14.9	15.8	14.9	13.9	14.4	---	---	---
7	18.2	14.2	15.4	18.7	14.7	16.3	15.4	12.9	14.2	---	---	---
8	16.1	15.2	15.6	17.3	14.6	15.7	13.9	11.5	12.7	---	---	---
9	19.5	15.4	17.0	18.6	14.3	16.0	13.9	12.8	13.2	---	---	---
10	19.6	15.4	16.4	18.9	14.7	16.2	14.0	11.5	12.9	---	---	---
11	16.1	15.1	15.6	18.5	14.1	15.9	12.7	10.8	11.4	---	---	---
12	15.8	15.3	15.6	16.2	14.1	15.3	13.4	10.6	12.2	---	---	---
13	17.0	15.2	15.7	18.6	14.1	16.0	13.6	11.8	13.0	---	---	---
14	19.1	14.7	16.0	18.4	14.1	15.9	14.4	11.3	12.9	---	---	---
15	16.3	14.9	15.6	17.1	13.2	15.1	13.2	9.9	12.0	---	---	---
16	20.0	15.4	17.4	17.4	13.3	15.4	13.9	10.4	12.8	---	---	---
17	17.9	15.3	16.3	17.2	13.9	15.5	13.2	10.5	12.2	---	---	---
18	16.3	15.0	15.7	17.7	13.6	15.4	13.2	11.0	12.2	---	---	---
19	16.5	14.7	15.6	16.4	13.8	15.1	11.4	10.3	10.7	---	---	---
20	16.3	14.1	15.5	16.6	13.0	14.5	13.0	9.9	11.9	---	---	---
21	16.9	14.0	15.7	16.5	13.3	14.8	13.0	10.3	12.2	---	---	---
22	16.3	13.7	15.4	17.5	14.5	15.6	13.4	8.9	11.6	---	---	---
23	17.2	14.2	15.7	17.0	14.9	15.8	12.4	9.8	11.5	---	---	---
24	17.0	12.2	14.5	16.4	13.8	15.3	11.7	9.0	9.9	---	---	---
25	16.1	13.3	15.2	15.3	13.5	14.2	11.5	7.9	9.5	---	---	---
26	16.2	14.0	15.4	15.2	12.2	13.8	12.1	8.6	10.0	---	---	---
27	16.5	14.4	15.6	16.4	12.1	14.0	11.5	8.4	10.0	---	---	---
28	16.3	15.6	15.8	15.2	12.1	13.7	11.8	9.0	10.5	---	---	---
29	15.9	15.4	15.7	16.3	11.9	14.1	12.1	8.7	10.3	---	---	---
30	19.5	15.2	17.0	15.1	11.8	14.1	12.8	9.4	10.8	---	---	---
31	17.5	15.6	16.7	---	---	---	12.6	9.2	10.7	---	---	---
MONTH	20.7	12.2	15.9	18.9	11.8	15.3	16.2	7.9	12.2	---	---	---

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	14.9	12.3	13.9
3	---	---	---	---	---	---	---	---	---	14.0	12.4	13.1
4	---	---	---	---	---	---	---	---	---	17.3	12.3	14.7
5	---	---	---	---	---	---	---	---	---	16.9	10.4	14.5
6	---	---	---	---	---	---	---	---	---	15.2	10.2	12.6
7	---	---	---	---	---	---	---	---	---	17.3	10.4	13.9
8	---	---	---	---	---	---	---	---	---	16.5	9.4	11.2
9	---	---	---	---	---	---	---	---	---	14.6	9.4	12.2
10	---	---	---	---	---	---	---	---	---	18.9	10.1	13.9
11	---	---	---	---	---	---	---	---	---	20.7	10.5	15.6
12	---	---	---	---	---	---	---	---	---	19.2	11.0	15.2
13	---	---	---	---	---	---	---	---	---	18.9	10.8	14.2
14	---	---	---	---	---	---	---	---	---	19.1	10.6	14.0
15	---	---	---	---	---	---	---	---	---	14.1	10.3	12.6
16	---	---	---	---	---	---	---	---	---	17.1	10.3	13.2
17	---	---	---	---	---	---	---	---	---	19.6	10.9	14.8
18	---	---	---	---	---	---	---	---	---	16.9	10.9	14.6
19	---	---	---	---	---	---	---	---	---	16.5	10.5	13.3
20	---	---	---	---	---	---	---	---	---	16.0	10.1	13.0
21	---	---	---	---	---	---	---	---	---	18.2	10.0	13.7
22	---	---	---	---	---	---	---	---	---	19.8	10.0	14.4
23	---	---	---	---	---	---	---	---	---	21.8	9.8	14.1
24	---	---	---	---	---	---	---	---	---	20.3	10.7	15.2
25	---	---	---	---	---	---	---	---	---	20.0	11.0	15.6
26	---	---	---	---	---	---	---	---	---	20.1	11.2	15.1
27	---	---	---	---	---	---	---	---	---	17.4	11.6	14.0
28	---	---	---	---	---	---	---	---	---	21.0	12.4	16.5
29	---	---	---	---	---	---	---	---	---	21.7	14.1	17.9
30	---	---	---	---	---	---	---	---	---	22.0	10.4	17.8
31	---	---	---	---	---	---	---	---	---	21.6	10.6	14.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.2	10.5	16.1	14.8	10.1	11.7	16.2	11.0	12.2	17.7	13.6	14.5
2	20.8	10.6	14.9	17.9	10.2	12.2	15.5	11.2	12.2	16.8	13.9	14.5
3	20.5	11.6	14.3	15.8	9.8	11.1	17.5	11.3	12.7	19.2	14.0	14.9
4	18.9	12.0	14.2	14.6	9.7	10.9	16.6	11.3	12.5	20.1	14.4	15.9
5	19.6	11.2	15.5	13.3	9.9	11.0	16.0	11.4	12.4	19.0	14.1	15.5
6	---	---	---	15.9	10.0	11.4	18.1	11.4	12.8	20.5	13.9	15.6
7	---	---	---	15.6	9.8	11.2	14.4	11.5	12.3	17.5	14.1	15.0
8	21.0	11.1	14.1	20.1	10.1	12.5	14.3	11.6	12.5	17.6	14.0	15.0
9	19.3	11.5	14.0	14.2	10.0	11.0	13.8	11.6	12.3	19.3	14.0	15.2
10	17.8	11.8	14.0	12.9	10.1	10.9	18.3	11.9	13.1	16.9	14.2	14.8
11	17.6	12.2	13.8	12.8	10.2	10.9	16.8	12.0	13.0	16.1	14.3	14.7
12	21.4	11.5	16.8	13.6	10.3	11.2	14.6	12.1	12.6	20.9	14.6	17.1
13	20.0	10.2	13.0	12.6	10.3	11.0	19.3	12.2	13.6	17.6	14.3	15.6
14	15.3	11.3	13.0	13.7	10.2	11.3	18.4	12.2	13.6	16.3	14.5	14.9
15	20.6	13.2	14.9	17.7	10.6	12.3	15.4	12.2	13.0	21.6	15.0	17.3
16	17.8	11.5	14.9	17.7	10.6	12.5	16.7	12.4	13.2	21.2	14.4	15.9
17	17.9	11.0	15.0	17.6	11.0	13.4	17.0	12.6	13.4	17.2	13.9	14.7
18	16.2	10.9	13.8	21.9	10.5	13.9	17.7	12.8	14.4	19.8	14.3	15.5
19	18.7	11.2	15.2	19.7	10.6	12.7	22.1	12.4	15.5	21.0	14.4	15.9
20	20.2	11.2	14.9	15.9	10.6	12.4	17.9	12.7	13.8	21.3	14.5	17.1
21	---	---	---	14.5	10.7	12.0	14.9	13.0	13.5	19.0	15.4	16.7
22	---	---	---	15.2	11.3	13.3	17.2	13.0	14.0	19.4	14.8	15.9
23	---	---	---	17.4	12.0	13.4	16.1	13.0	13.8	20.1	14.9	17.4
24	15.9	9.7	11.9	16.2	10.6	12.7	17.0	13.1	14.0	19.4	15.1	17.6
25	21.6	10.0	13.4	18.6	10.9	13.1	17.0	13.1	13.9	16.5	14.8	15.7
26	18.5	10.3	13.2	17.1	10.8	12.5	16.1	13.2	14.0	20.0	13.5	15.7
27	20.1	11.5	14.5	16.6	10.8	12.2	17.9	13.2	14.2	20.3	14.1	16.2
28	14.6	11.1	13.7	16.8	11.0	12.5	15.9	13.3	13.9	20.9	14.6	16.7
29	19.8	10.6	13.2	15.7	11.0	12.8	17.5	13.6	14.4	20.7	14.6	16.7
30	17.7	10.1	12.2	15.9	11.3	12.8	18.9	13.5	14.6	18.7	14.6	16.3
31	---	---	---	16.2	11.0	12.7	16.6	13.6	14.3	---	---	---
MONTH	---	---	---	21.9	9.7	12.1	22.1	11.0	13.4	21.6	13.5	15.8

07055646 BUFFALO RIVER NEAR BOXLEY

LOCATION.--Lat 35°56'43", long 93°24'12", 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, .8 mi upstream from Smith Creek, 2.6 mi south of Boxley, and at mi 108.9.

DRAINAGE AREA.--57 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1993 to September 1995, October 1998 to current year. Annual maximum water years 1996-98.

REVISED RECORDS.--WRD Ark. 1999: 1993(M), 1994(M), 1995(M).

GAGE.-Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges June 17 to July 17, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.23	4.5	12	13	100	75	38	104	e204	2.8	e.12
2	.03	.26	4.6	12	13	86	75	36	79	e134	2.6	e.07
3	.03	.31	5.1	48	13	197	67	35	65	e92	2.5	e.03
4	.03	.38	5.3	108	13	191	59	33	55	e70	2.4	.00
5	.03	.41	52	72	14	148	53	32	46	e46	2.3	.00
6	.02	.49	28	60	14	120	49	43	38	e33	2.2	.00
7	.02	.83	18	52	14	100	46	108	32	e28	2.1	.00
8	.06	1.2	15	47	15	90	41	83	27	e22	2.1	.00
9	.08	1.7	16	47	15	79	37	68	22	e22	2.0	.00
10	.08	2.0	57	43	15	68	35	62	22	e18	2.0	.00
11	.09	2.1	43	38	15	69	77	52	34	e14	2.0	.00
12	.09	2.2	1840	34	15	64	129	46	34	e12	1.9	.00
13	.11	2.1	455	32	15	59	102	58	29	e8.5	1.9	.00
14	.15	2.0	168	28	15	54	92	44	396	e6.4	1.8	.00
15	.20	1.9	96	25	14	51	83	36	490	e5.4	1.7	.00
16	.20	1.8	66	24	14	48	76	31	194	e4.4	1.6	.00
17	.20	1.7	52	23	15	44	67	29	e3050	e4.1	1.5	.00
18	.20	1.5	43	22	89	44	60	27	e850	3.8	1.4	.00
19	.18	1.5	36	21	109	55	56	172	e400	3.6	1.3	.00
20	.15	1.4	32	20	87	55	79	102	e300	3.7	1.1	.00
21	.14	1.3	27	18	74	50	75	77	e1850	4.2	.99	.00
22	.10	1.2	24	18	66	48	64	61	e340	4.0	.87	.00
23	.09	2.2	21	17	61	48	62	50	e134	3.8	.78	.00
24	.08	1.9	19	16	56	48	68	40	e81	3.5	.66	.01
25	.08	2.1	18	16	59	50	60	37	e60	3.2	.57	.14
26	.07	2.4	17	15	241	86	56	37	e40	3.0	.47	.09
27	.07	2.8	16	14	184	150	51	5260	e30	2.9	.38	.08
28	.07	3.3	15	14	140	126	46	1230	e120	2.7	.33	.08
29	.07	4.0	14	14	119	109	42	483	e340	3.0	.29	.09
30	.08	4.1	13	14	---	96	38	249	e265	2.8	.24	.09
31	.15	---	13	13	---	83	---	151	---	2.9	e.20	---
TOTAL	2.99	51.31	3233.5	937	1527	2616	1920	8810	9527	770.9	44.98	0.80
MEAN	.096	1.71	104	30.2	52.7	84.4	64.0	284	318	24.9	1.45	.027
MAX	.20	4.1	1840	108	241	197	129	5260	3050	204	2.8	.14
MIN	.02	.23	4.5	12	13	44	35	27	22	2.7	.20	.00
AC-FT	5.9	102	6410	1860	3030	5190	3810	17470	18900	1530	89	1.6
CFSM	.00	.03	1.82	.53	.92	1.47	1.11	4.95	5.53	.43	.03	.00
IN.	.00	.03	2.10	.61	.99	1.70	1.24	5.71	6.17	.50	.03	.00

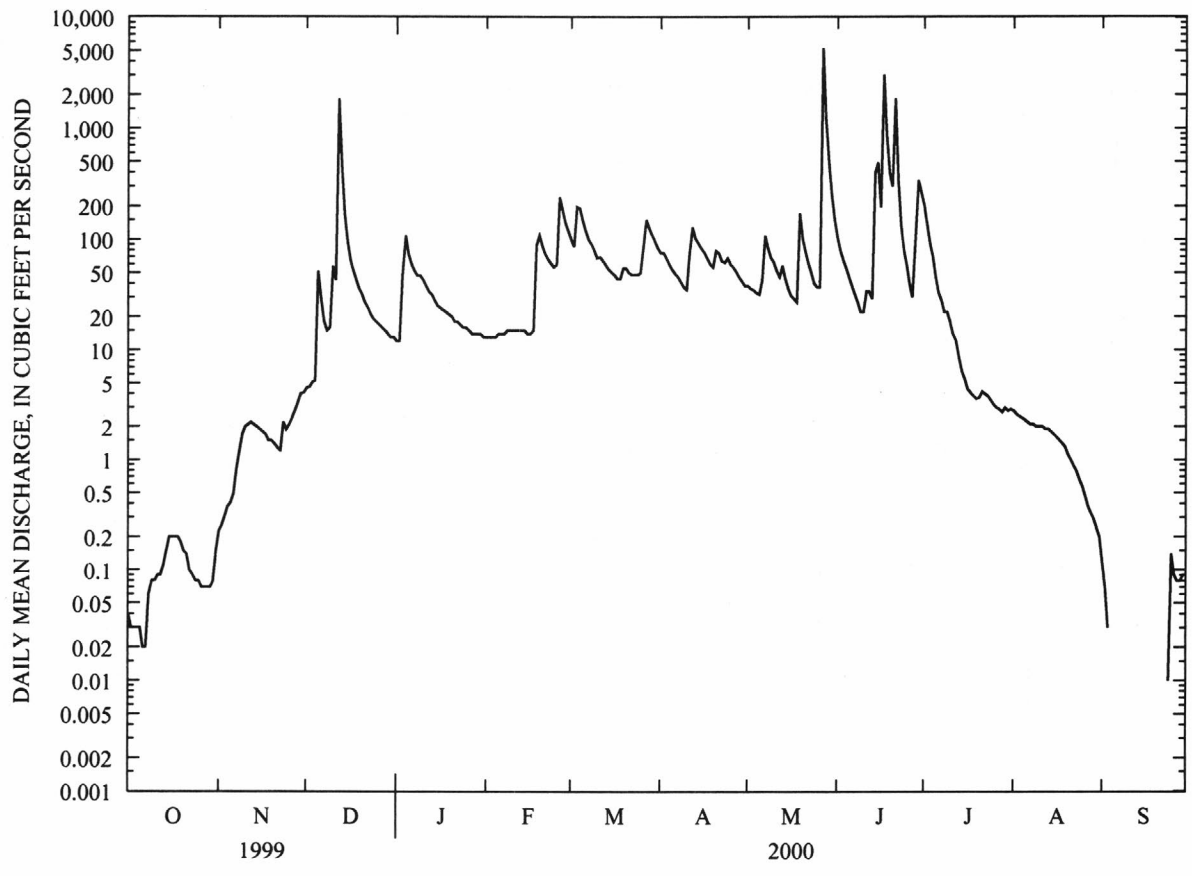
07055646 BUFFALO RIVER NEAR BOXLEY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993-95, 1999-00, BY WATER YEAR (WY)

MEAN	26.9	139	112	111	100	154	212	179	92.5	15.0	3.50	4.06
MAX	93.3	360	186	188	197	199	355	284	318	46.8	12.4	13.3
(WY)	1999	1995	1999	1995	1999	1994	1999	2000	2000	1999	1994	1993
MIN	.096	1.71	23.1	30.2	23.8	84.4	64.0	53.8	4.27	3.05	.57	.027
(WY)	2000	2000	1996	2000	1996	2000	2000	1996	1994	1993	1993	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993-95, 1999-00	
ANNUAL TOTAL	41000.66		29441.48			
ANNUAL MEAN	112		80.4		108	
HIGHEST ANNUAL MEAN					133	1999
LOWEST ANNUAL MEAN					80.4	2000
HIGHEST DAILY MEAN	1840	Dec 12	5260	May 27	5260	May 27 2000
LOWEST DAILY MEAN	.02	Oct 6	.00	Sep 4	.00	Sep 4 2000
ANNUAL SEVEN-DAY MINIMUM	.03	Oct 1	.00	Sep 4	.00	Sep 4 2000
INSTANTANEOUS PEAK FLOW			[a]28300	Jun 17	[a]29000	Sep 26 1996
INSTANTANEOUS PEAK STAGE			14.66	Jun 17	[b]14.79	Sep 26 1996
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	81320		58400		78460	
ANNUAL RUNOFF (CFSM)	1.96		1.40		1.89	
ANNUAL RUNOFF (INCHES)	26.57		19.08		25.64	
10 PERCENT EXCEEDS	277		109		219	
50 PERCENT EXCEEDS	18		18		24	
90 PERCENT EXCEEDS	.11		.08		.83	

[a]From rating curve extended above 1400 ft^3/s, on basis of contracted measurement opening of peak flow
[b]From floodmarks
[e]Estimated



07055646 BUFFALO RIVER NEAR BOXLEY--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLVED FLD. AS CACO3 (MG/L) (00904)
OCT												
21...	1240	80020	80513	.30	725	73	7.3	7.7	194	13.3	92	0
DEC												
21...	1435	80020	80513	23	727	90	10.4	7.7	77	7.1	33	1
FEB												
22...	1255	80020	1028	66	725	104	11.3	7.9	61	9.4	26	0
APR												
11...	1045	80020	80513	41	723	103	10.4	7.0	68	12.7	29	--
JUN												
06...	1210	80020	80513	34	728	106	9.5	6.8	75	18.2	32	3

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT												
21...	33	2.7	1.1	.1	1.5	3	92	92	112	0	1.4	<.10
DEC												
21...	11	1.2	.63	.1	1.0	6	32	32	39	0	1.4	<.10
FEB												
22...	8.7	.98	.52	.1	1.0	8	25	25	31	0	1.1	<.10
APR												
11...	9.8	1.0	.66	.1	.96	7	--	--	--	--	1.2	<.10
JUN												
06...	11	1.2	.83	.1	1.1	7	30	30	36	0	1.1	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT											
21...	4.3	4.3	<.020	E.10	E.05	<.050	<.010	<.006	<.010	E.004	.15
DEC											
21...	4.9	2.2	<.020	<.10	E.06	.115	<.010	E.004	<.010	.035	.06
FEB											
22...	4.4	2.9	<.020	<.10	E.05	<.050	<.010	<.006	<.010	<.008	.06
APR											
11...	5.0	3.0	<.020	E.10	<.10	<.050	<.010	E.003	<.010	E.004	--
JUN											
06...	6.2	3.0	<.020	<.10	E.09	<.050	<.010	<.006	<.010	<.008	.07

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
21...	.09	108	103	<1	<1	38	E5.4	82	.01	15	97
DEC											
21...	2.67	43	42	K5	K11	21	<10	E2.1	.50	8	89
FEB											
22...	7.31	41	35	K2	K3	K6	<10	E1.3	1.2	7	98
APR											
11...	--	38	--	51	100	170	<10	E2.2	1.2	11	95
JUN											
06...	4.41	48	42	K12	K14	K20	<10	5.1	.83	9	86

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG												
04...	0830	80020	80513	1.6	723	85	6.8	7.2	142	23.5	67	23
04...	0831	80513	80513	--	723	85	6.8	7.2	142	23.5	--	--
04...	0832	80513	80513	--	723	85	6.8	7.2	142	23.5	--	--
04...	0833	80513	80513	--	723	85	6.8	7.2	142	23.5	--	--
04...	0834	80513	80513	--	723	85	6.8	7.2	143	23.5	--	--
04...	0835	80513	80513	--	723	85	6.8	7.3	142	23.5	--	--

07055646 BUFFALO RIVER NEAR BOXLEY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG												
04...	2.1	1.1	.1	1.3	4	67	67	82	1.1	<.10	6.4	2.9

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
AUG												
04...	<.020	E.10	E.06	<.050	<.010	<.006	<.010	E.004	--	.11	.35	81
04...	--	--	--	--	--	--	--	--	1.00	--	--	--
04...	--	--	--	--	--	--	--	--	1.00	--	--	--
04...	--	--	--	--	--	--	--	--	1.00	--	--	--
04...	--	--	--	--	--	--	--	--	1.00	--	--	--
04...	--	--	--	--	--	--	--	--	1.00	--	--	--

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	STREAM WIDTH (FT) (00004)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG												
04...	79	--	22	22	270	E6.8	56	.05	11	98	--	--
04...	--	20.0	--	--	--	--	--	--	--	--	2.0	.50
04...	--	20.0	--	--	--	--	--	--	--	--	6.0	.50
04...	--	20.0	--	--	--	--	--	--	--	--	10.0	.50
04...	--	20.0	--	--	--	--	--	--	--	--	14.0	.50
04...	--	20.0	--	--	--	--	--	--	--	--	18.0	.50

07055875 RICHLAND CREEK NEAR WITTS SPRING

LOCATION.--Lat 35°47'49", long 92°55'43", in SE1/4SW1/4SW1/4 sec.5, T.13 N., R.18 W., Searcy County, Hydrologic Unit 11010005, 50 ft upstream from bridge on county road, 1,800 ft downstream from Falling Water Creek and 3.9 mi northwest of Witts Spring.

DRAINAGE AREA.--67.4 mi^2.

PERIOD OF RECORD.--May 1995 to current year.

REVISIONS.--WRD Ark.1999: 1996(M), 1997(M).

GAGE.--Water-stage recorder.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	1.9	9.3	9.9	128	79	52	92	56	2.5	.00
2	.00	.00	1.8	9.6	10	103	76	47	80	49	2.1	.00
3	.00	.34	10	55	10	212	71	e49	73	46	1.7	.00
4	.00	1.1	17	84	11	183	62	52	59	40	1.5	.00
5	.00	1.1	40	68	10	151	55	213	50	34	1.2	.00
6	.00	.95	23	56	10	122	52	983	41	28	1.1	.00
7	.00	.81	15	46	10	104	50	591	34	25	.95	.00
8	.00	.76	11	41	10	92	46	324	29	22	.82	.00
9	.00	.89	21	38	9.8	81	41	219	25	19	.67	.00
10	.00	1.1	53	34	10	72	39	163	29	16	.52	.00
11	.00	1.1	43	30	10	72	60	118	41	14	.39	.00
12	.00	1.0	1240	26	10	65	98	96	29	14	.30	.00
13	.00	1.0	355	24	10	59	89	84	24	14	.25	.00
14	.00	1.0	135	21	10	55	84	63	517	11	.19	.00
15	.00	1.0	80	19	9.7	52	78	51	522	8.9	.16	.00
16	.00	1.0	56	19	9.4	50	72	45	241	7.0	.13	.00
17	.00	1.0	44	18	13	46	64	40	3730	5.7	.12	.00
18	.00	1.0	36	17	25	48	58	38	1380	5.0	.11	.00
19	.00	1.0	30	16	30	53	54	64	608	4.0	.09	.00
20	.00	1.1	26	15	29	52	53	52	365	5.4	.07	.00
21	.00	1.1	22	14	27	49	47	45	2010	7.3	.04	.00
22	.00	1.1	20	14	25	46	42	39	819	5.7	.01	.00
23	.00	1.5	18	13	25	45	43	34	410	9.1	.00	.00
24	.00	1.7	16	13	24	45	133	29	263	6.7	.00	.00
25	.00	2.0	15	12	33	45	115	30	169	4.5	.00	.00
26	.00	2.3	14	11	e974	52	102	29	115	3.4	.00	.00
27	.00	2.3	13	11	e698	206	90	2190	91	2.7	.00	.00
28	.00	2.3	12	12	e319	150	79	863	90	2.2	.00	.00
29	.00	2.2	11	11	e189	117	67	369	95	3.6	.00	.00
30	.00	2.1	11	10	---	102	58	210	70	6.2	.00	.00
31	.00	---	10	10	---	87	---	129	---	3.6	.00	---
TOTAL	0.00	35.85	2400.7	776.9	2570.8	2744	2057	7311	12101	479.0	14.92	0.00
MEAN	.000	1.19	77.4	25.1	88.6	88.5	68.6	236	403	15.5	.48	.000
MAX	.00	2.3	1240	84	974	212	133	2190	3730	56	2.5	.00
MIN	.00	.00	1.8	9.3	9.4	45	39	29	24	2.2	.00	.00
AC-FT	.00	71	4760	1540	5100	5440	4080	14500	24000	950	30	.00
CFSM	.00	.02	1.16	.37	1.32	1.32	1.02	3.52	6.02	.23	.01	.00
IN.	.00	.02	1.33	.43	1.43	1.52	1.14	4.06	6.72	.27	.01	.00

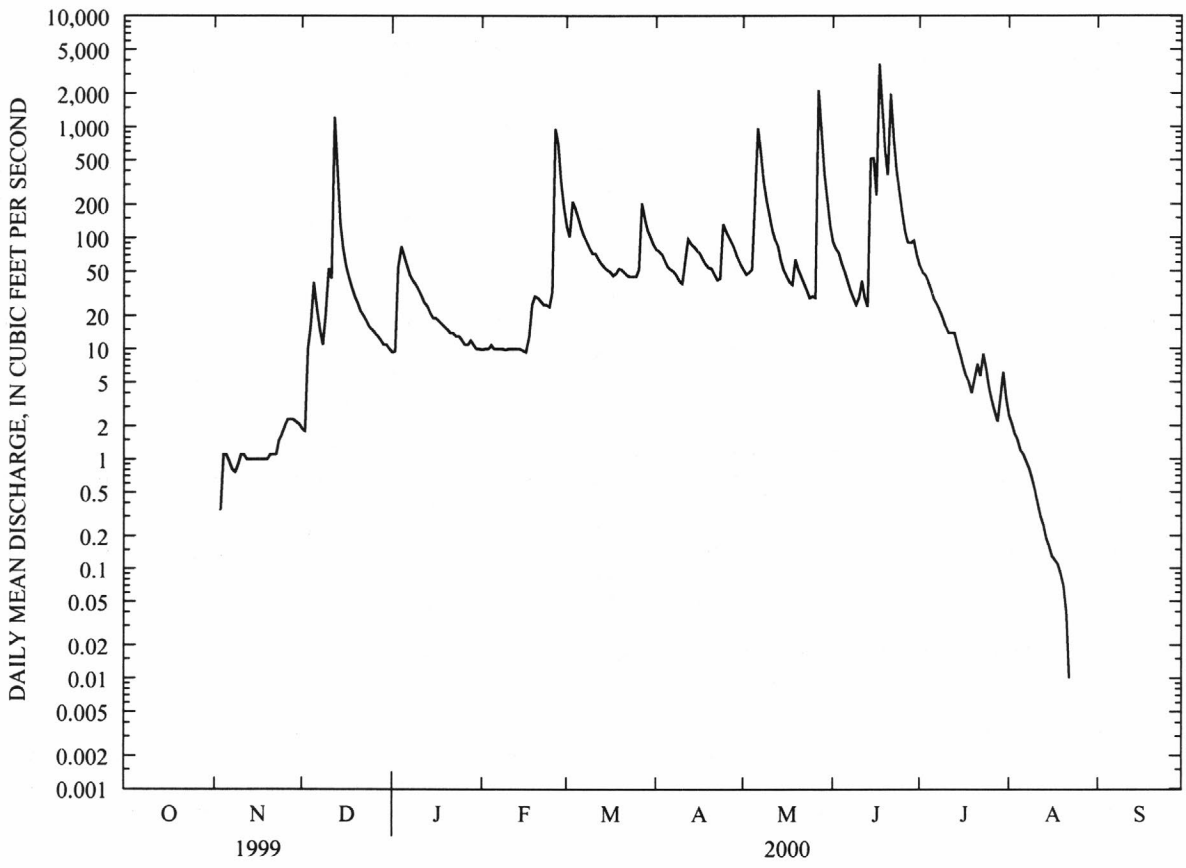
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	27.3	150	114	145	177	215	191	98.1	94.7	9.80	.51	23.7
MAX	64.5	658	158	313	376	415	272	236	403	32.7	1.17	139
(WY)	1999	1997	1997	1998	1997	1998	1997	2000	2000	1999	1996	1996
MIN	.000	1.20	77.4	25.1	37.8	88.5	68.6	27.8	6.35	.26	.11	.000
(WY)	2000	2000	2000	2000	1996	2000	2000	1997	1998	1998	1998	2000

07055875 RICHLAND CREEK NEAR WITTS SPRING--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	29650.20		30491.17			
ANNUAL MEAN	81.2		83.3		104	
HIGHEST ANNUAL MEAN					154	1997
LOWEST ANNUAL MEAN					75.9	1996
HIGHEST DAILY MEAN	1240	Dec 12	3730	Jun 17	4970	Nov 7 1996
LOWEST DAILY MEAN	.00	Sep 18	.00	Oct 1	.00	Aug 22 1995
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 18	.00	Oct 1	.00	Aug 22 1995
INSTANTANEOUS PEAK FLOW			[a]12600	Jun 17	[a]12900	Nov 7 1996
INSTANTANEOUS PEAK STAGE			10.86	Jun 17	10.99	Nov 7 1996
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	58810		60480		75270	
ANNUAL RUNOFF (CFSM)	1.21		1.24		1.55	
ANNUAL RUNOFF (INCHES)	16.46		16.93		21.07	
10 PERCENT EXCEEDS	216		128		222	
50 PERCENT EXCEEDS	17		14		25	
90 PERCENT EXCEEDS	.00		.00		.12	

[a]From rating curve extended above 2,300 ft^3/s on basis of slope-area measurement of peak flow
[e]Estimated



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 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft above 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.--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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	38	40	81	74	970	636	349	1180	1350	318	24
2	21	37	39	78	70	842	585	326	921	1140	296	23
3	21	38	46	153	68	889	558	336	799	1000	258	22
4	20	39	e50	504	66	1250	523	323	704	905	229	21
5	20	39	e111	647	65	1240	476	334	606	814	208	21
6	19	38	e114	541	65	1090	436	850	530	735	191	20
7	18	36	e108	440	65	966	408	1510	461	670	178	20
8	22	35	e102	377	66	863	381	1150	407	610	165	20
9	23	35	153	335	66	783	356	899	362	559	151	20
10	25	36	202	306	65	714	332	734	338	532	138	20
11	24	35	303	284	64	673	331	613	337	499	126	19
12	27	34	3980	264	64	643	430	519	349	479	117	20
13	30	33	6770	240	65	622	786	448	351	463	107	20
14	29	33	1930	213	64	581	680	391	668	450	96	20
15	27	33	1070	193	65	548	612	343	2550	438	84	21
16	25	32	744	177	64	519	562	309	1710	418	75	22
17	24	32	554	167	83	494	515	270	12900	393	68	23
18	23	32	435	154	151	478	476	250	28700	368	61	23
19	23	31	357	144	192	478	436	455	7800	346	56	22
20	23	31	305	134	316	503	414	721	4240	341	51	21
21	22	31	266	126	367	530	399	620	8430	344	47	21
22	22	32	232	121	334	503	442	582	13000	351	43	21
23	22	35	203	115	310	474	406	504	5120	364	41	23
24	22	35	179	110	292	456	469	410	3130	339	38	39
25	22	37	158	102	278	444	627	366	2320	312	35	38
26	22	41	142	94	890	438	612	338	1790	292	33	40
27	23	43	128	89	2050	557	549	12600	1450	276	32	46
28	22	43	116	91	1430	1070	484	17900	1250	262	30	49
29	22	42	106	88	1130	923	434	4840	2090	261	29	50
30	22	41	98	84	---	802	384	2530	1770	264	27	50
31	24	---	89	79	---	707	---	1630	---	295	25	---
TOTAL	710	1077	19130	6531	8879	22050	14739	53450	106263	15870	3353	799
MEAN	22.9	35.9	617	211	306	711	491	1724	3542	512	108	26.6
MAX	30	43	6770	647	2050	1250	786	17900	28700	1350	318	50
MIN	18	31	39	78	64	438	331	250	337	261	25	19
AC-FT	1410	2140	37940	12950	17610	43740	29230	106000	210800	31480	6650	1580
CFSM	.03	.04	.74	.25	.37	.86	.59	2.08	4.27	.62	.13	.03
IN.	.03	.05	.86	.29	.40	.99	.66	2.40	4.77	.71	.15	.04

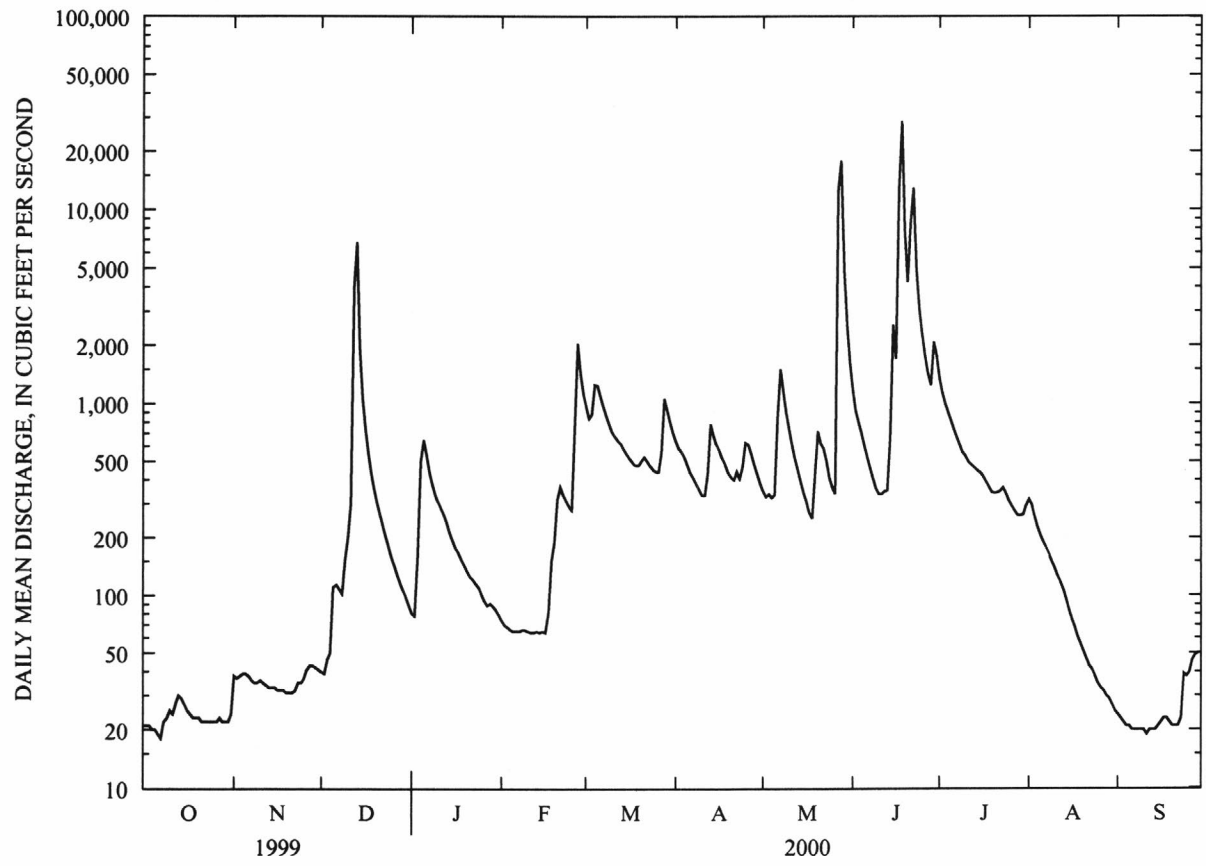
07056000 BUFFALO RIVER NEAR ST. JOE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	313	1009	1206	1172	1571	1977	2166	1864	811	237	165	173
MAX	3357	6549	8516	6934	5455	8897	9584	6975	5468	1134	1569	2025
(WY)	1942	1997	1983	1949	1989	1945	1945	1990	1945	1950	1950	1996
MIN	14.2	19.7	30.4	32.4	114	236	237	321	67.6	29.6	15.0	10.2
(WY)	1964	1964	1990	1964	1963	1972	1963	1997	1977	1954	1954	1954

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	314320		252851			
ANNUAL MEAN	861		691		1052	
HIGHEST ANNUAL MEAN					2619	1945
LOWEST ANNUAL MEAN					316	1963
HIGHEST DAILY MEAN	12800	May 5	28700	Jun 18	124000	Dec 3 1982
LOWEST DAILY MEAN	18	Oct 7	18	Oct 7	7.0	Sep 17 1954
ANNUAL SEVEN-DAY MINIMUM	20	Oct 1	20	Sep 6	7.4	Sep 11 1954
INSTANTANEOUS PEAK FLOW			49700	Jun 18	[a]158000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			30.04	Jun 18	53.75	Dec 3 1982
INSTANTANEOUS LOW FLOW			18	Oct 7	6.6	Sep 16,17,20 1954
ANNUAL RUNOFF (AC-FT)	623500		501500		761800	
ANNUAL RUNOFF (CFSM)	1.04		.83		1.27	
ANNUAL RUNOFF (INCHES)	14.10		11.35		17.24	
10 PERCENT EXCEEDS	2080		1070		2330	
50 PERCENT EXCEEDS	357		262		318	
90 PERCENT EXCEEDS	27		23		44	

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



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT										
06...	0830	80020	80513	20	751	--	--	8.2	262	14.0
NOV										
23...	0830	80020	80513	37	747	89	8.8	7.7	266	14.7
DEC										
08...	1215	80020	80513	467	742	87	9.8	7.9	277	9.1
13...	1130	80020	80513	6360	750	86	9.5	6.9	113	10.2
JAN										
20...	0810	80020	80513	152	758	92	10.8	7.4	210	8.0
FEB										
01...	0945	80020	80513	88	772	95	12.4	8.1	214	4.6
27...	0945	80020	80513	2050	767	88	9.8	7.6	109	11.1
MAR										
13...	1225	80020	80513	650	760	93	10.1	7.7	164	11.7
APR										
19...	1145	80020	80513	550	744	111	9.7	7.8	170	20.6
MAY										
06...	1715	80020	80513	1170	735	100	8.8	7.6	166	19.6
17...	1125	80020	80513	273	746	103	9.0	7.9	168	20.9
JUN										
13...	0900	80020	80513	356	755	89	7.5	7.9	216	23.6
15...	0830	80020	80513	2640	751	91	8.2	7.3	104	19.9
17...	1830	80020	80513	27300	747	95	8.8	7.7	88	18.5
22...	0900	80020	80513	15000	751	90	8.3	7.2	110	18.3
JUL										
26...	1010	80020	80513	294	740	93	7.7	7.7	244	23.8

DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
OCT										
06...	100	<.020	E.10	.10	--	<.050	--	<.010	--	E.004
NOV										
23...	119	<.020	<.10	E.10	--	<.050	--	<.010	--	<.006
DEC										
08...	132	<.020	<.10	.10	--	.722	.82	<.010	.05	E.003
13...	42	<.020	.25	.43	.72	.466	.89	<.010	.04	.020
JAN										
20...	94	<.020	E.10	E.09	--	.107	--	<.010	--	E.003
FEB										
01...	99	<.020	<.10	<.10	--	.076	--	<.010	--	<.006
27...	44	<.020	.12	.23	.28	.156	.38	<.010	--	.008
MAR										
13...	92	<.020	E.10	.13	--	<.050	--	<.010	--	<.006
APR										
19...	76	<.020	E.10	.10	--	<.050	--	<.010	--	E.003
MAY										
06...	76	<.020	E.10	.24	--	<.050	--	<.010	--	.013
17...	76	<.020	.11	.16	--	<.050	--	<.010	--	E.004
JUN										
13...	86	<.020	.14	E.08	.24	.101	--	<.010	--	E.004
15...	45	<.020	.14	.44	.25	.110	.55	<.010	--	.018
17...	40	<.020	.29	2.5	.42	.133	2.6	<.010	.10	.047
22...	46	<.020	.17	.45	.32	.147	.60	<.010	.03	.016
JUL										
26...	113	<.020	E.10	.14	--	.090	.23	<.010	--	<.006

07056000 BUFFALO RIVER NEAR ST. JOE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
06...	<.010	.008	149	K5	K10	120	1.0	2.2	41	90
NOV										
23...	<.010	E.007	142	K18	K19	24	.83	1.8	18	91
DEC										
08...	.016	E.004	152	K6	K5	41	.81	43	34	87
13...	.014	.088	61	1100	1100	4800	4.1	841	49	92
JAN										
20...	<.010	.021	113	35	31	20	--	6.6	16	93
FEB										
01...	<.010	E.004	118	K8	K7	K7	.82	3.8	16	93
27...	<.010	.051	61	250	130	350	2.8	216	39	84
MAR										
13...	<.010	E.005	89	K9	31	K2	1.1	21	12	100
APR										
19...	<.010	<.008	96	23	32	K8	1.1	31	21	98
MAY										
06...	<.010	.040	99	150	77	450	.94	161	51	85
17...	<.010	E.006	93	K2	K2	K20	1.1	10	14	92
JUN										
13...	<.010	E.005	118	K8	21	81	1.4	18	19	98
15...	<.010	.109	67	5800	>2000	K26000	5.3	727	102	66
17...	.033	.791	71	4600	11000	K25000	7.1	62800	852	79
22...	.010	.121	73	K1000	K1200	5800	4.1	4210	104	82
JUL										
26...	<.010	.009	134	K7	K16	23	.93	45	57	92

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)
AUG							
16...	0905	80020	80513	754	76	5.9	8.1
16...	0915	80513	80513	754	83	6.5	7.3
16...	0916	80513	80513	754	85	6.6	7.3
16...	0917	80513	80513	754	81	6.3	7.3
16...	0918	80513	80513	754	84	6.6	7.4
16...	0919	80513	80513	754	81	6.3	7.4
16...	0920	80513	80513	754	85	6.6	7.4
16...	0921	80513	80513	754	85	6.6	7.4
16...	0922	80513	80513	754	86	6.7	7.4
16...	0923	80513	80513	754	86	6.7	7.4
16...	0924	80513	80513	754	89	6.9	7.4

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOC-ATION, CROSS SECTION (FT FM R BK) (72103)	SAM-PLING DEPTH (FEET) (00003)
AUG						
16...	234	27.4	--	--	--	--
16...	239	27.4	1.00	150	7.0	.50
16...	239	27.6	1.00	150	22.0	.50
16...	239	27.6	1.00	150	37.0	.50
16...	238	27.6	1.00	150	52.0	.50
16...	238	27.6	1.00	150	67.0	.50
16...	238	27.6	1.00	150	82.0	.50
16...	238	27.6	1.00	150	97.0	.50
16...	238	27.6	1.00	150	112.0	.50
16...	240	27.6	1.00	150	127.0	.50
16...	237	27.7	1.00	150	142.0	.50

07056515 BEAR CREEK NEAR SILVER HILL

LOCATION.--Lat 35°57'00", long 92°43'30", in NE1/4NW1/4 sec.18, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005, on left bank 400 ft northeast of U.S. Highway 65 80 ft upstream from Holder Creek, and 1.8 mi southeast of Silver Hill.

DRAINAGE AREA.--83.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1999 to current year.

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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

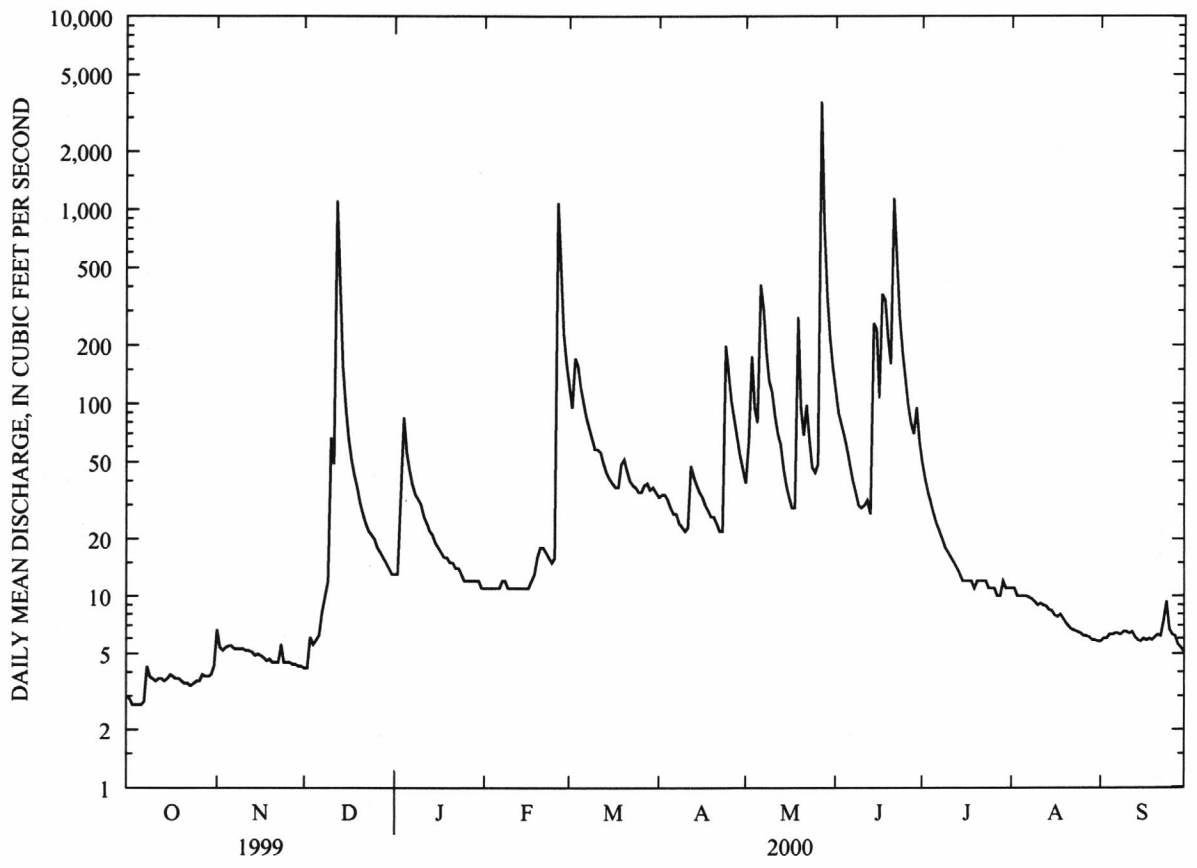
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	6.7	4.2	13	11	122	33	39	116	50	11	5.8
2	2.9	5.4	4.2	13	11	95	34	65	90	41	11	6.0
3	2.7	5.2	6.1	30	11	172	34	176	78	35	10	6.0
4	2.7	5.4	5.6	85	11	156	32	96	68	31	10	6.3
5	2.7	5.5	5.9	56	11	122	29	80	58	27	10	6.3
6	2.7	5.5	6.3	45	11	101	27	409	48	24	10	6.4
7	2.8	5.3	8.3	38	12	85	27	308	40	22	9.9	6.4
8	4.3	5.3	9.9	34	12	75	24	185	35	20	9.7	6.3
9	3.8	5.3	12	32	11	66	23	131	30	18	9.4	6.5
10	3.7	5.3	67	30	11	58	22	116	29	17	9.0	6.5
11	3.6	5.2	49	26	11	58	23	88	30	16	9.2	6.4
12	3.7	5.2	1110	24	11	56	48	71	32	15	9.0	6.5
13	3.7	5.1	369	22	11	49	42	62	27	14	8.9	6.1
14	3.6	4.9	155	21	11	44	38	47	259	13	8.5	5.9
15	3.7	5.0	97	19	11	41	35	38	240	12	8.4	5.8
16	3.9	4.9	67	18	11	39	33	33	107	12	7.9	6.0
17	3.8	4.8	52	17	12	37	30	29	366	12	7.8	5.9
18	3.7	4.6	43	16	13	37	28	29	341	12	8.0	6.0
19	3.7	4.7	37	16	16	49	26	279	221	11	7.6	5.9
20	3.6	4.5	31	15	18	52	26	97	161	12	7.2	6.1
21	3.5	4.5	27	15	18	45	24	69	1150	12	6.9	6.3
22	3.5	4.5	24	14	17	40	22	99	554	12	6.7	6.2
23	3.4	5.6	22	14	16	38	22	65	285	12	6.6	7.5
24	3.5	4.5	21	13	15	37	199	47	189	11	6.5	9.4
25	3.6	4.5	20	12	16	35	145	44	135	11	6.4	6.7
26	3.6	4.5	18	12	1090	35	105	49	100	11	6.2	6.3
27	3.9	4.4	17	12	461	38	83	3650	80	10	6.2	6.2
28	3.8	4.4	16	12	229	39	67	853	70	10	6.1	5.6
29	3.8	4.3	15	12	161	36	55	353	96	12	5.9	5.4
30	3.9	4.3	14	12	---	37	46	217	64	11	5.9	5.1
31	4.3	---	13	11	---	35	---	153	---	11	5.8	---
TOTAL	109.1	149.3	2346.5	709	2260	1929	1382	7977	5099	537	251.7	187.8
MEAN	3.52	4.98	75.7	22.9	77.9	62.2	46.1	257	170	17.3	8.12	6.26
MAX	4.3	6.7	1110	85	1090	172	199	3650	1150	50	11	9.4
MIN	2.7	4.3	4.2	11	11	35	22	29	27	10	5.8	5.1
AC-FT	216	296	4650	1410	4480	3830	2740	15820	10110	1070	499	373
CFSM	.04	.06	.91	.28	.94	.75	.55	3.10	2.05	.21	.10	.08
IN.	.05	.07	1.05	.32	1.01	.86	.62	3.57	2.28	.24	.11	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	3.52	4.98	75.7	22.9	82.0	107	109	146	106	26.2	7.03	4.88
MAX	3.52	4.98	75.7	22.9	86.3	151	172	257	170	35.2	8.12	6.26
(WY)	2000	2000	2000	2000	1999	1999	1999	2000	2000	1999	2000	2000
MIN	3.52	4.98	75.7	22.9	77.9	62.2	46.1	35.0	41.5	17.3	5.94	3.50
(WY)	2000	2000	2000	2000	2000	2000	2000	1999	1999	2000	1999	1999

07056515 BEAR CREEK NEAR SILVER HILL--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	22937.4			
ANNUAL MEAN	62.7		62.7	
HIGHEST ANNUAL MEAN			62.7	2000
LOWEST ANNUAL MEAN			62.7	2000
HIGHEST DAILY MEAN	3650	May 27	3650	May 27 2000
LOWEST DAILY MEAN	2.7	Oct 3	2.7	Oct 3 1999
ANNUAL SEVEN-DAY MINIMUM	2.8	Oct 1	2.8	Oct 1 1999
INSTANTANEOUS PEAK FLOW	7100	May 27	7100	May 27 2000
INSTANTANEOUS PEAK STAGE	8.10	May 27	8.10	May 27 2000
INSTANTANEOUS LOW FLOW	2.3	Oct 4	2.3	Oct 4 1999
ANNUAL RUNOFF (AC-FT)	45500		45400	
ANNUAL RUNOFF (CFSM)	.75		.75	
ANNUAL RUNOFF (INCHES)	10.27		10.25	
10 PERCENT EXCEEDS	116		146	
50 PERCENT EXCEEDS	15		18	
90 PERCENT EXCEEDS	4.4		4.2	



07056515 BEAR CREEK NEAR SILVER HILL--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
OCT											
05...	1130	80020	80513	2.7	750	72	7.5	8.3	355	13.0	169
NOV											
22...	1350	80020	80513	4.5	748	108	10.5	7.7	353	16.0	154
DEC											
08...	1120	80020	80513	8.6	740	75	8.2	7.6	374	9.9	166
12...	1700	80020	80513	2560	748	96	10.7	7.3	76	9.7	23
JAN											
20...	0840	80020	80513	16	758	85	10.2	7.2	261	7.4	108
FEB											
01...	1030	80020	80513	11	772	101	12.3	8.2	273	7.2	117
27...	0845	80020	80513	480	767	87	10.0	7.1	103	9.5	34
MAR											
13...	1135	80020	80513	50	755	95	9.8	7.5	188	13.5	99
APR											
19...	1030	80020	80513	27	744	111	10.0	7.7	208	19.1	88
MAY											
06...	1615	80020	80513	577	735	94	8.7	7.0	99	17.2	36
17...	1000	80020	80513	31	745	80	7.1	7.6	209	20.1	88
JUN											
13...	0815	80020	80513	27	754	82	7.4	8.0	265	19.9	102
14...	2230	80020	80513	607	750	91	8.1	7.4	140	20.1	56
17...	1730	80020	80513	880	751	94	8.4	7.8	114	20.1	45
21...	1430	80020	80513	2380	749	90	8.1	7.2	98	19.6	48
JUL											
26...	0920	80020	80513	11	739	99	8.8	7.4	327	19.7	141

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT											
05...	<.020	.11	.12	.51	.403	--	--	.52	--	<.010	.05
NOV											
22...	<.020	E.10	.25	--	.449	--	--	.70	--	<.010	--
DEC											
08...	<.020	<.10	.12	--	<.050	--	--	--	--	<.010	--
12...	<.020	.29	1.1	.95	.657	--	--	1.7	--	<.010	.23
JAN											
20...	<.020	<.10	E.07	--	.523	--	--	--	--	<.010	.06
FEB											
01...	<.020	<.10	E.06	--	.468	--	--	--	--	<.010	--
27...	<.020	.16	.29	.69	.530	--	--	.82	--	<.010	.07
MAR											
13...	<.020	E.10	.14	--	.213	--	--	.35	--	<.010	--
APR											
19...	.025	E.10	.14	--	.161	--	.12	.30	.03	<.010	.03
MAY											
06...	<.020	.25	.47	.38	.131	--	--	.60	--	<.010	.05
17...	<.020	.10	.11	.30	.195	--	--	.31	--	<.010	.04
JUN											
13...	<.020	.15	.11	.53	.382	--	--	.50	--	<.010	.05
14...	.024	.34	.80	.72	.380	.31	.77	1.2	.03	<.010	.31
17...	<.020	.32	.58	.53	.211	--	--	.80	--	<.010	.14
21...	<.020	.41	.70	.58	.171	--	--	.87	--	<.010	.19
JUL											
26...	<.020	E.10	.14	--	.564	--	--	.70	--	<.010	.04

07056515 BEAR CREEK NEAR SILVER HILL--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
05...	.015	.016	.022	206	K9	K21	53	1.2	.66	90	96
NOV											
22...	.010	<.010	.018	--	K10	K5	52	.87	.67	55	79
DEC											
08...	.017	<.010	.019	211	K5	K13	170	.80	2.1	89	72
12...	.094	.074	.355	52	6500	10000	2300	6.4	1370	198	83
JAN											
20...	.015	.019	.049	147	K15	30	38	.74	.86	20	99
FEB											
01...	.015	<.010	.019	150	K15	K18	K9	.75	.74	25	96
27...	.027	.024	.067	61	1200	K640	390	3.2	36	28	97
MAR											
13...	.010	<.010	.016	102	21	61	K2	2.7	2.3	17	94
APR											
19...	.015	.011	.023	116	K21	28	29	1.1	2.0	27	95
MAY											
06...	.029	.017	.105	72	540	1100	1000	6.2	84	54	91
17...	.020	.013	.030	116	33	97	39	1.1	1.6	19	97
JUN											
13...	.018	.016	.025	148	51	97	100	1.1	2.0	27	93
14...	.121	.101	.232	93	K700	>2000	7400	8.2	162	99	94
17...	.065	.046	.173	83	6600	8600	9800	7.2	226	95	91
21...	.085	.061	.224	81	4200	K12000	13000	8.9	861	134	79
JUL											
26...	.017	.013	.023	181	23	34	55	1.1	2.8	95	86

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)
AUG							
16...	1005	80513	80513	754	115	9.6	7.4
16...	1006	80513	80513	754	112	9.4	7.4
16...	1007	80513	80513	754	113	9.5	7.4
16...	1008	80513	80513	754	112	9.5	7.4
16...	1009	80513	80513	754	107	9.0	7.4
16...	1030	80020	80513	754	102	8.5	8.2

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)
AUG						
16...	352	23.7	1.00	50.0	5.00	.50
16...	361	23.3	1.00	50.0	15.0	.50
16...	363	23.2	1.00	50.0	25.0	.50
16...	363	23.2	1.00	50.0	35.0	.50
16...	367	23.1	1.00	50.0	45.0	.50
16...	327	23.9	--	--	--	--

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)
AUG												
16...	1030	7.2	151	.022	.15	.16	.62	.466	.13	.14	.63	.03

07056515 BEAR CREEK NEAR SILVER HILL--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 16...	<.010	.011	<.010	.017	181	32	K57	26	1.3	1.7	85	83

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)
SEP 07...	0940	80020	80513	6.7	739	106	9.1	7.3	348	21.6	169

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
SEP 07...	.028	.12	.15	.55	.428	.09	.12	.58	.04	<.010	.013

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 07...	<.010	.020	202	47	91	56	1.0	1.4	79	93

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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
07...	0848	80513	80513	761	86	7.5	8.3	312	21.7	157	4.50	.00
07...	0849	80513	80513	761	86	7.5	8.3	310	21.9	157	--	10.0
07...	0850	80513	80513	761	88	7.7	8.3	310	21.9	157	--	20.0
07...	0851	80513	80513	761	87	7.6	8.3	310	21.8	157	--	30.0
07...	0852	80513	80513	761	87	7.6	8.3	310	21.9	157	--	40.0
07...	0853	80513	80513	761	85	7.4	8.3	310	21.9	157	--	50.0
07...	0854	80513	80513	761	66	5.8	8.2	313	21.7	157	--	52.0
07...	0855	80513	80513	761	17	1.6	7.5	330	20.4	157	--	53.0
07...	0856	80513	80513	761	5	.4	7.4	333	19.8	157	--	54.0
07...	0857	80513	80513	761	4	.4	7.4	331	18.8	157	--	57.0
07...	0858	80513	80513	761	7	.6	7.4	331	17.8	157	--	60.0
07...	0859	80513	80513	761	8	.8	7.4	330	16.9	157	--	65.0
07...	0900	80513	80513	761	10	1.0	7.4	327	16.0	157	--	70.0
07...	0901	80513	80513	761	6	.6	7.3	329	14.9	157	--	77.0
07...	0902	80513	80513	761	9	.9	7.3	328	14.5	157	--	80.0
07...	0903	80513	80513	761	7	.7	7.3	333	13.4	157	--	90.0
07...	0904	80513	80513	761	3	.3	7.3	333	12.6	157	--	100
07...	0905	80513	80513	761	4	.4	7.2	336	12.0	157	--	110
07...	0906	80513	80513	761	4	.5	7.2	339	11.4	157	--	120
07...	0907	80513	80513	761	4	.4	7.2	345	11.0	157	--	130
07...	0908	80513	80513	761	4	.4	7.2	349	10.5	157	--	140
07...	0909	80513	80513	761	4	.4	7.2	351	10.2	157	--	150
07...	0910	80513	80513	761	4	.5	7.2	350	10.1	157	--	157
NOV												
04...	1258	80513	80513	753	93	8.6	8.1	314	18.4	154	4.10	.00
04...	1259	80513	80513	753	96	8.9	8.1	314	18.2	154	--	10.0
04...	1300	80513	80513	753	100	9.3	8.1	314	18.1	154	--	20.0
04...	1301	80513	80513	753	92	8.5	8.0	313	18.1	154	--	30.0
04...	1302	80513	80513	753	77	7.2	8.0	314	18.1	154	--	40.0
04...	1303	80513	80513	753	81	7.5	8.0	314	18.1	154	--	50.0
04...	1304	80513	80513	753	77	7.2	8.0	316	18.1	154	--	60.0
04...	1306	80513	80513	753	56	5.2	7.8	320	17.7	154	--	65.0
04...	1307	80513	80513	753	7	.6	7.3	331	16.3	154	--	70.0
04...	1308	80513	80513	753	3	.2	7.3	332	15.2	154	--	75.0
04...	1309	80513	80513	753	2	.2	7.2	330	14.5	154	--	80.0
04...	1310	80513	80513	753	2	.2	7.2	333	13.6	154	--	90.0
04...	1311	80513	80513	753	2	.2	7.2	336	12.9	154	--	100
04...	1312	80513	80513	753	2	.2	7.2	340	12.3	154	--	110
04...	1313	80513	80513	753	2	.2	7.2	342	11.7	154	--	120
04...	1314	80513	80513	753	2	.2	7.1	346	11.5	154	--	130
04...	1315	80513	80513	753	2	.2	7.1	346	11.1	154	--	140
04...	1316	80513	80513	753	2	.2	7.1	350	10.6	154	--	150
04...	1317	80513	80513	753	2	.2	7.1	350	10.5	154	--	154
DEC												
01...	0927	80513	80513	764	70	7.1	8.0	321	15.2	156	3.70	.00
01...	0928	80513	80513	764	73	7.4	8.1	320	15.2	156	--	10.0
01...	0929	80513	80513	764	68	6.9	8.1	321	15.2	156	--	20.0
01...	0930	80513	80513	764	67	6.8	8.1	319	15.2	156	--	30.0
01...	0931	80513	80513	764	67	6.7	8.1	323	15.2	156	--	40.0
01...	0932	80513	80513	764	66	6.7	8.1	322	15.2	156	--	50.0
01...	0933	80513	80513	764	67	6.7	8.1	322	15.2	156	--	60.0
01...	0934	80513	80513	764	65	6.6	8.1	320	15.2	156	--	70.0
01...	0935	80513	80513	764	65	6.5	8.1	321	15.2	156	--	80.0
01...	0936	80513	80513	764	5	.5	7.6	335	14.1	156	--	90.0
01...	0937	80513	80513	764	4	.4	7.6	338	13.3	156	--	100
01...	0938	80513	80513	764	6	.6	7.5	343	12.4	156	--	110
01...	0939	80513	80513	764	3	.3	7.5	347	11.8	156	--	120
01...	0940	80513	80513	764	4	.5	7.5	348	11.2	156	--	130
01...	0941	80513	80513	764	3	.3	7.5	352	10.9	156	--	140
01...	0942	80513	80513	764	3	.3	7.5	353	10.7	156	--	150
01...	0943	80513	80513	764	3	.4	7.5	354	10.6	156	--	156
MAR												
22...	0855	80513	80513	764	96	10.7	8.0	332	10.8	153	8.70	.00
22...	0856	80513	80513	764	96	10.6	8.0	331	10.7	153	--	10.0
22...	0857	80513	80513	764	95	10.6	8.0	332	10.6	153	--	20.0
22...	0858	80513	80513	764	95	10.6	8.0	331	10.5	153	--	30.0
22...	0859	80513	80513	764	94	10.5	8.0	335	10.4	153	--	40.0
22...	0900	80513	80513	764	93	10.4	8.0	332	10.3	153	--	50.0
22...	0901	80513	80513	764	87	9.9	7.9	330	9.6	153	--	60.0
22...	0902	80513	80513	764	81	9.4	7.9	332	9.0	153	--	70.0
22...	0903	80513	80513	764	78	9.1	7.8	333	8.5	153	--	80.0
22...	0904	80513	80513	764	74	8.8	7.8	336	8.2	153	--	90.0
22...	0905	80513	80513	764	72	8.6	7.7	336	8.0	153	--	100
22...	0906	80513	80513	764	72	8.6	7.7	337	7.9	153	--	110
22...	0907	80513	80513	764	72	8.5	7.7	337	7.9	153	--	130
22...	0908	80513	80513	764	69	8.3	7.7	339	7.8	153	--	130
22...	0909	80513	80513	764	68	8.1	7.7	339	7.8	153	--	140
22...	0910	80513	80513	764	66	7.8	7.6	339	7.8	153	--	150
22...	0911	80513	80513	764	65	7.7	7.6	339	7.7	153	--	153

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATEF-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
JUN												
21...	1346	80513	80513	755	102	8.3	8.2	323	25.1	160	7.30	.00
21...	1347	80513	80513	755	105	8.5	8.3	324	25.1	160	--	10.0
21...	1348	80513	80513	755	102	8.4	8.2	325	24.7	160	--	20.0
21...	1349	80513	80513	755	108	9.1	8.2	348	23.7	160	--	24.0
21...	1350	80513	80513	755	111	9.4	8.2	365	23.1	160	--	25.0
21...	1351	80513	80513	755	112	9.6	8.2	378	22.6	160	--	26.0
21...	1352	80513	80513	755	110	9.6	8.2	408	21.6	160	--	30.0
21...	1353	80513	80513	755	104	9.3	8.1	463	19.9	160	--	34.0
21...	1354	80513	80513	755	101	9.2	8.1	483	19.2	160	--	36.0
21...	1355	80513	80513	755	98	9.1	8.1	501	18.6	160	--	40.0
21...	1356	80513	80513	755	95	9.1	8.1	552	17.1	160	--	45.0
21...	1357	80513	80513	755	92	9.0	8.0	507	15.8	160	--	50.0
21...	1358	80513	80513	755	85	8.5	7.8	338	14.9	160	--	55.0
21...	1359	80513	80513	755	78	8.0	7.7	336	14.1	160	--	60.0
21...	1400	80513	80513	755	66	6.9	7.6	339	12.6	160	--	70.0
21...	1401	80513	80513	755	58	6.2	7.4	339	11.5	160	--	80.0
21...	1402	80513	80513	755	54	5.9	7.3	340	10.6	160	--	90.0
21...	1403	80513	80513	755	48	5.3	7.3	340	10.2	160	--	100
21...	1404	80513	80513	755	47	5.3	7.2	341	9.8	160	--	110
21...	1405	80513	80513	755	46	5.2	7.2	341	9.6	160	--	120
21...	1406	80513	80513	755	45	5.1	7.2	339	9.4	160	--	130
21...	1407	80513	80513	755	44	5.0	7.2	340	9.2	160	--	140
21...	1408	80513	80513	755	41	4.7	7.1	340	9.1	160	--	150
21...	1409	80513	80513	755	34	3.8	7.1	339	9.0	160	--	160
JUL												
17...	1147	80513	80513	760	106	7.9	8.2	314	31.1	154	6.40	.00
17...	1148	80513	80513	760	107	7.9	8.2	313	31.0	154	--	10.0
17...	1149	80513	80513	760	125	9.4	8.3	313	29.7	154	--	20.0
17...	1150	80513	80513	760	132	10.1	8.3	312	28.9	154	--	22.0
17...	1151	80513	80513	760	135	10.5	8.3	314	27.9	154	--	24.0
17...	1152	80513	80513	760	136	10.8	8.3	316	27.3	154	--	25.0
17...	1153	80513	80513	760	137	11.0	8.3	318	26.1	154	--	27.0
17...	1154	80513	80513	760	135	11.0	8.3	320	25.5	154	--	28.0
17...	1155	80513	80513	760	135	11.2	8.3	323	24.5	154	--	30.0
17...	1156	80513	80513	760	132	11.1	8.3	342	23.8	154	--	32.0
17...	1157	80513	80513	760	123	10.6	8.2	381	22.4	154	--	35.0
17...	1158	80513	80513	760	116	10.2	8.2	410	21.4	154	--	38.0
17...	1159	80513	80513	760	109	9.7	8.1	435	20.6	154	--	40.0
17...	1200	80513	80513	760	101	9.3	8.1	472	19.3	154	--	43.0
17...	1201	80513	80513	760	95	8.8	8.0	495	18.5	154	--	45.0
17...	1202	80513	80513	760	85	8.2	7.8	331	16.6	154	--	50.0
17...	1203	80513	80513	760	77	7.7	7.7	331	15.1	154	--	55.0
17...	1204	80513	80513	760	71	7.3	7.7	329	13.9	154	--	60.0
17...	1205	80513	80513	760	64	6.8	7.6	331	12.9	154	--	65.0
17...	1206	80513	80513	760	57	6.1	7.5	333	12.5	154	--	70.0
17...	1207	80513	80513	760	49	5.3	7.4	335	11.4	154	--	80.0
17...	1208	80513	80513	760	43	4.7	7.4	332	10.8	154	--	90.0
17...	1209	80513	80513	760	42	4.7	7.3	334	10.1	154	--	100
17...	1210	80513	80513	760	39	4.4	7.3	335	9.9	154	--	110
17...	1211	80513	80513	760	36	4.1	7.3	335	9.7	154	--	120
17...	1212	80513	80513	760	37	4.2	7.3	334	9.5	154	--	130
17...	1213	80513	80513	760	36	4.1	7.2	333	9.4	154	--	140
17...	1214	80513	80513	760	29	3.3	7.2	334	9.2	154	--	150
17...	1215	80513	80513	760	27	3.1	7.2	334	9.2	154	--	154
AUG												
15...	0701	80513	80513	759	106	8.0	8.1	273	30.0	155	7.00	.00
15...	0702	80513	80513	759	106	8.0	8.2	272	30.1	155	--	10.0
15...	0704	80513	80513	759	108	8.1	8.2	272	30.1	155	--	20.0
15...	0706	80513	80513	759	136	10.4	8.2	275	29.2	155	--	24.0
15...	0707	80513	80513	759	144	11.1	8.2	279	28.7	155	--	26.0
15...	0709	80513	80513	759	139	10.9	8.2	285	27.3	155	--	30.0
15...	0711	80513	80513	759	136	10.9	8.2	285	26.0	155	--	32.0
15...	0713	80513	80513	759	131	10.7	8.2	284	25.1	155	--	34.0
15...	0715	80513	80513	759	124	10.4	8.2	285	24.1	155	--	36.0
15...	0716	80513	80513	759	114	9.7	8.2	285	23.2	155	--	37.0
15...	0718	80513	80513	759	104	9.0	8.1	286	22.4	155	--	39.0
15...	0720	80513	80513	759	98	8.5	8.1	287	21.9	155	--	40.0
15...	0722	80513	80513	759	85	7.6	8.0	288	20.7	155	--	42.0
15...	0723	80513	80513	759	73	6.7	8.0	288	19.4	155	--	45.0
15...	0725	80513	80513	759	65	6.0	7.9	289	18.3	155	--	48.0
15...	0727	80513	80513	759	60	5.7	7.9	288	17.4	155	--	50.0
15...	0729	80513	80513	759	53	5.1	7.8	289	16.5	155	--	53.0
15...	0731	80513	80513	759	49	4.9	7.8	290	15.3	155	--	57.0
15...	0733	80513	80513	759	48	4.8	7.7	289	14.7	155	--	60.0
15...	0735	80513	80513	759	40	4.2	7.7	292	13.3	155	--	67.0
15...	0737	80513	80513	759	37	3.9	7.6	292	13.1	155	--	70.0
15...	0738	80513	80513	759	30	3.2	7.6	290	11.9	155	--	80.0
15...	0740	80513	80513	759	27	3.0	7.6	293	11.1	155	--	90.0
15...	0741	80513	80513	759	19	2.0	7.5	298	10.7	155	--	100
15...	0743	80513	80513	759	11	1.2	7.4	303	10.2	155	--	110
15...	0744	80513	80513	759	17	1.9	7.4	296	10.0	155	--	120
15...	0745	80513	80513	759	13	1.5	7.4	296	9.8	155	--	130
15...	0747	80513	80513	759	6	.6	7.3	296	9.6	155	--	140
15...	0749	80513	80513	759	2	.2	7.3	296	9.5	155	--	150
15...	0750	80513	80513	759	2	.2	7.3	296	9.4	155	--	150

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
SEP												
13...	1100	80513	80513	759	123	9.5	8.3	313	28.0	172	5.00	.00
13...	1101	80513	80513	759	122	9.5	8.3	313	28.0	172	--	10.0
13...	1102	80513	80513	759	121	9.4	8.2	313	27.9	172	--	20.0
13...	1103	80513	80513	759	120	9.4	8.2	312	27.9	172	--	30.0
13...	1104	80513	80513	759	132	10.5	8.1	328	26.7	172	--	38.0
13...	1105	80513	80513	759	123	10.0	8.0	331	25.1	172	--	39.0
13...	1106	80513	80513	759	119	9.9	7.9	331	24.7	172	--	40.0
13...	1107	80513	80513	759	82	7.0	7.8	332	23.1	172	--	44.0
13...	1108	80513	80513	759	72	6.3	7.8	331	21.9	172	--	46.0
13...	1109	80513	80513	759	55	4.9	7.7	331	20.6	172	--	50.0
13...	1110	80513	80513	759	46	4.2	7.7	332	19.3	172	--	53.0
13...	1111	80513	80513	755	41	3.8	7.7	333	18.2	172	--	55.0
13...	1112	80513	80513	759	37	3.5	7.7	332	17.4	172	--	58.0
13...	1113	80513	80513	759	34	3.3	7.7	334	16.5	172	--	60.0
13...	1114	80513	80513	759	30	3.0	7.7	335	15.6	172	--	65.0
13...	1115	80513	80513	759	28	2.8	7.7	336	14.1	172	--	70.0
13...	1116	80513	80513	759	24	2.5	7.7	335	12.8	172	--	80.0
13...	1117	80513	80513	759	12	1.3	7.7	339	12.2	172	--	90.0
13...	1118	80513	80513	759	12	1.3	7.7	340	11.2	172	--	100
13...	1119	80513	80513	759	4	.5	7.6	346	10.9	172	--	110
13...	1120	80513	80513	759	1	.2	7.5	350	10.6	172	--	120
13...	1121	80513	80513	759	1	.1	7.5	348	10.4	172	--	130
13...	1122	80513	80513	759	1	.1	7.4	345	10.1	172	--	140
13...	1123	80513	80513	759	1	.1	7.4	342	9.8	172	--	150
13...	1124	80513	80513	759	1	.1	7.4	341	9.8	172	--	160
13...	1125	80513	80513	759	1	.1	7.3	342	9.6	172	--	170
13...	1126	80513	80513	759	1	.1	7.3	341	9.7	172	--	172
28...	0857	80513	80513	763	87	7.4	8.2	317	23.1	133	--	.00
28...	0859	80513	80513	763	90	7.6	8.3	316	23.4	133	--	3.00
28...	0900	80513	80513	763	81	7.1	8.2	323	22.0	133	--	6.00
28...	0901	80513	80513	763	86	7.4	8.2	317	23.0	133	--	9.00
28...	0902	80513	80513	763	87	7.4	8.2	316	23.1	133	--	12.0
28...	0903	80513	80513	763	93	7.9	8.3	314	23.7	133	--	15.0
28...	0904	80513	80513	763	87	7.5	8.2	316	23.1	133	--	18.0
28...	0905	80513	80513	763	83	7.2	8.2	320	22.2	133	--	21.0
28...	0906	80513	80513	763	87	7.4	8.2	317	23.0	163	--	24.0
28...	0907	80513	80513	763	90	7.6	8.2	316	23.4	133	--	27.0
28...	0908	80513	80513	763	93	7.8	8.3	314	23.8	133	--	30.0
28...	0909	80513	80513	763	93	7.9	8.3	314	23.8	133	--	33.0
28...	0910	80513	80513	763	91	7.8	8.3	316	23.5	133	--	36.0
28...	0911	80513	80513	763	92	7.8	8.3	314	23.8	133	--	39.0
28...	0912	80513	80513	763	89	7.6	8.2	316	23.2	133	--	42.0
28...	0913	80513	80513	763	92	7.8	8.2	315	23.6	133	--	45.0
28...	0914	80513	80513	763	91	7.8	8.3	315	23.6	133	--	48.0
28...	0915	80513	80513	763	58	5.3	8.0	318	19.4	133	--	51.0
28...	0917	80513	80513	763	68	6.0	8.2	319	22.0	133	--	52.0
28...	0918	80513	80513	763	27	2.6	7.9	333	17.5	133	--	53.0
28...	0919	80513	80513	763	29	2.8	7.9	334	17.7	133	--	54.0
28...	0920	80513	80513	763	24	2.3	7.8	334	17.3	133	--	55.0
28...	0922	80513	80513	763	17	1.6	7.7	334	16.9	133	--	56.0
28...	0923	80513	80513	763	17	1.6	7.7	336	16.7	133	--	57.0
28...	0924	80513	80513	763	18	1.8	7.7	335	16.6	133	--	58.0
28...	0925	80513	80513	763	17	1.6	7.6	336	16.6	133	--	59.0
28...	0926	80513	80513	763	16	1.6	7.6	335	16.5	133	--	60.0
28...	0927	80513	80513	763	16	1.6	7.6	337	16.0	133	--	63.0
28...	0928	80513	80513	763	17	1.7	7.6	336	15.4	133	--	66.0
28...	0929	80513	80513	763	11	1.1	7.6	337	14.4	133	--	69.0
28...	0930	80513	80513	763	11	1.1	7.6	337	13.9	133	--	72.0
28...	0931	80513	80513	763	11	1.2	7.6	339	13.4	133	--	75.0
28...	0932	80513	80513	763	12	1.3	7.6	338	13.1	133	--	78.0
28...	0933	80513	80513	763	10	1.0	7.6	340	12.7	133	--	81.0
28...	0934	80513	80513	763	8	.9	7.6	340	12.3	133	--	84.0
28...	0935	80513	80513	763	6	.6	7.6	340	12.1	133	--	87.0
28...	0936	80513	80513	763	6	.6	7.6	340	11.9	133	--	90.0
28...	0937	80513	80513	763	2	.2	7.5	343	11.7	133	--	93.0
28...	0938	80513	80513	763	2	.2	7.5	343	11.6	133	--	96.0
28...	0939	80513	80513	763	1	.2	7.5	341	11.4	133	--	99.0
28...	0942	80513	80513	763	1	.1	7.5	345	11.2	133	--	102
28...	0943	80513	80513	763	1	.1	7.5	344	11.1	133	--	105
28...	0944	80513	80513	763	1	.1	7.4	345	10.9	133	--	108
28...	0945	80513	80513	763	1	.1	7.4	346	10.7	133	--	111
28...	0946	80513	80513	763	1	.1	7.4	346	10.7	133	--	114
28...	0947	80513	80513	763	1	.1	7.4	349	10.5	133	--	117
28...	0948	80513	80513	763	1	.1	7.4	347	10.4	133	--	120
28...	0949	80513	80513	763	1	.1	7.4	352	10.4	133	--	121
28...	0950	80513	80513	763	1	.1	7.4	353	10.3	133	--	122
28...	0951	80513	80513	763	1	.1	7.4	353	10.3	133	--	123
28...	0952	80513	80513	763	1	.1	7.4	351	10.3	133	--	124
28...	0953	80513	80513	763	1	.1	7.4	350	10.3	133	--	125
28...	0954	80513	80513	763	1	.1	7.3	351	10.2	133	--	126
28...	0955	80513	80513	763	1	.1	7.3	350	10.1	133	--	129
28...	0956	80513	80513	763	1	.1	7.3	348	10.1	133	--	131
28...	0957	80513	80513	763	1	.1	7.3	348	10.1	133	--	133

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK

LOCATION.--Lat 36°14'54", long 92°14'24", in NE1/4NW1/4 sec.11, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, 300 ft below Norfork Dam, 3.9 mi northeast of Norfork.

DRAINAGE AREA.--1,808 mi².

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Water years 1967-71, May 1991 to current year. Prior to October 1998, published as "07060000 North Fork River at Norfork Dam, near Norfork".

DISSOLVED OXYGEN: May 1991 to current year. Prior to October 1998, published as "07060000 North Fork River at Norfork Dam, near Norfork".

REMARKS.--Flow completely regulated by Norfork Reservoir. Dissolved oxygen and water temperature collected June through December.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
DEC							
08...	1421	80513	80513	763	19	2.0	7.4
08...	1422	80513	80513	763	19	2.0	7.4
08...	1423	80513	80513	763	19	2.0	7.4
08...	1424	80513	80513	763	19	2.0	7.4
08...	1425	80513	80513	763	19	2.0	7.4
08...	1426	80513	80513	763	19	2.0	7.4
08...	1428	80513	80513	763	20	2.1	7.6
08...	1429	80513	80513	763	20	2.1	7.4
08...	1431	80513	80513	763	21	2.2	7.8
08...	1432	80513	80513	763	27	2.8	7.6

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
DEC						
08...	338	13.7	2.00	200	10.0	1.00
08...	338	13.7	2.00	200	30.0	1.00
08...	339	13.7	3.00	200	50.0	1.50
08...	339	13.7	3.00	200	70.0	1.50
08...	339	13.7	3.00	200	90.0	1.50
08...	339	13.7	3.00	200	110	1.60
08...	339	13.7	3.00	200	130	1.50
08...	339	13.7	3.00	200	150	1.50
08...	339	13.8	4.00	200	170	2.00
08...	338	13.8	3.00	200	190	1.50

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	6.9	1.1	4.3	7.6	.7	3.7	---	---	---
2	6.5	.8	2.2	5.9	.5	3.6	7.5	.7	3.7	---	---	---
3	5.8	.7	1.8	7.0	.5	3.5	6.8	.5	3.2	---	---	---
4	6.5	.7	2.1	8.0	1.6	4.8	7.3	.6	3.3	---	---	---
5	6.2	.7	2.3	8.1	1.2	5.2	7.1	.6	3.9	---	---	---
6	8.0	.7	2.1	7.8	1.9	5.3	7.6	.7	3.2	---	---	---
7	6.0	.8	2.4	7.8	1.6	5.1	7.5	.7	5.1	---	---	---
8	5.6	.0	2.2	7.6	1.5	4.9	8.9	1.4	5.0	---	---	---
9	6.6	.9	3.3	6.8	1.7	5.0	8.8	2.9	6.8	---	---	---
10	6.4	.9	2.5	8.4	1.1	4.7	8.9	3.7	7.2	---	---	---
11	6.1	.9	2.5	8.5	2.0	5.8	8.6	2.4	4.8	---	---	---
12	5.3	.7	2.0	8.8	2.0	6.3	8.6	3.4	4.8	---	---	---
13	7.6	.7	3.0	7.8	1.8	4.5	5.9	3.5	4.1	---	---	---
14	7.1	2.2	4.7	7.8	2.2	4.9	8.2	3.6	5.6	---	---	---
15	7.4	2.3	4.8	7.7	2.2	5.4	8.4	2.6	5.5	---	---	---
16	7.3	.7	3.3	7.6	1.4	4.8	7.9	3.3	5.6	---	---	---
17	7.2	.9	4.0	7.3	.7	3.9	7.0	3.3	5.0	---	---	---
18	7.7	1.6	5.3	7.4	.8	3.7	5.8	2.4	4.4	---	---	---
19	7.2	1.3	4.3	8.6	.8	4.7	6.8	3.2	4.8	---	---	---
20	6.6	1.8	4.2	7.5	.9	3.5	8.5	3.4	5.7	---	---	---
21	7.3	2.3	5.1	7.2	.9	3.4	6.8	5.0	5.7	---	---	---
22	7.3	2.2	5.2	7.1	1.1	3.9	7.6	5.8	6.6	---	---	---
23	8.0	1.9	4.7	7.4	.7	3.3	7.5	6.1	6.7	---	---	---
24	7.2	1.6	4.8	8.4	.9	4.4	7.2	5.7	6.4	---	---	---
25	7.7	1.8	5.5	8.0	.9	4.8	5.9	5.2	5.6	---	---	---
26	6.8	1.2	4.5	8.0	.9	4.4	7.1	5.2	5.6	---	---	---
27	7.3	1.2	4.6	8.5	.8	4.9	6.2	5.2	5.6	---	---	---
28	6.9	.6	3.4	8.5	.8	4.5	7.6	5.3	6.6	---	---	---
29	8.1	1.4	4.6	7.7	.9	4.2	8.4	6.0	6.9	---	---	---
30	6.9	.8	4.4	7.4	.6	3.5	7.9	6.6	7.2	---	---	---
31	6.9	.9	4.6	---	---	---	8.3	6.7	7.4	---	---	---
MONTH	---	---	---	8.8	.5	4.5	8.9	.5	5.3	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	9.5	5.0	6.8	9.6	2.9	5.6	7.4	1.7	3.6
2	11.7	6.4	8.7	8.7	5.9	7.6	9.7	3.2	5.4	9.0	1.4	3.5
3	11.8	8.5	10.0	10.9	5.5	8.2	8.9	3.2	5.6	8.2	1.4	3.5
4	11.3	8.7	9.9	10.9	5.2	7.2	9.2	3.3	6.5	8.2	1.3	3.7
5	11.4	8.1	9.6	10.5	5.2	6.9	10.6	3.5	6.0	7.9	1.4	3.8
6	12.0	8.4	9.7	10.4	4.9	6.9	10.1	4.1	6.6	8.2	1.3	3.5
7	11.0	8.1	9.2	10.6	4.8	6.6	9.9	2.9	5.7	7.9	1.2	4.0
8	9.5	8.8	9.0	10.1	4.5	6.7	9.5	2.6	6.1	6.6	1.2	2.7
9	10.2	8.7	8.9	10.8	4.8	7.2	9.6	2.8	6.0	6.8	1.3	3.0
10	11.9	8.9	10.0	8.0	4.4	6.0	9.4	3.5	6.8	7.7	1.1	3.1
11	11.1	5.2	7.5	7.8	4.3	5.9	9.4	3.3	6.6	6.8	.9	2.5
12	10.6	5.3	7.5	8.5	4.4	6.2	9.2	4.1	6.4	7.7	.8	2.6
13	11.3	5.6	8.1	8.1	4.7	6.3	9.8	2.8	6.0	7.0	1.0	3.0
14	11.6	6.4	8.4	9.2	4.5	6.2	9.0	2.7	5.7	8.6	1.4	3.6
15	11.5	6.7	8.5	7.6	4.4	5.9	8.6	1.8	4.6	7.7	1.4	3.6
16	9.3	6.4	8.1	8.8	4.1	5.9	8.8	2.8	5.6	8.0	1.4	3.2
17	10.1	7.0	8.6	8.0	4.1	6.2	9.4	4.7	7.2	7.3	1.3	3.0
18	9.5	6.9	8.2	7.3	4.3	5.7	9.2	4.5	6.1	7.1	1.3	2.9
19	10.9	7.2	9.0	7.2	4.1	5.7	9.7	2.6	5.5	7.3	1.2	3.3
20	10.7	7.3	8.7	7.8	3.9	5.6	8.8	2.4	4.8	7.9	1.2	3.1
21	10.2	6.9	8.5	10.1	4.1	6.5	8.4	2.3	5.0	7.2	1.5	3.5
22	9.6	6.6	8.2	8.9	3.9	5.9	7.7	2.3	4.4	7.9	1.4	3.3
23	10.0	6.5	8.1	10.1	4.0	6.7	9.5	1.4	4.4	6.6	1.3	3.0
24	9.0	5.7	7.6	8.7	3.5	5.7	9.3	2.6	4.7	7.2	1.1	3.6
25	9.2	7.6	8.5	8.3	3.1	5.5	8.2	2.6	4.5	7.4	1.0	3.4
26	9.0	6.7	8.2	8.3	3.4	5.6	8.6	1.9	3.7	7.2	.9	3.4
27	9.2	6.0	7.9	8.8	3.4	5.3	7.7	2.0	4.0	7.2	1.3	4.6
28	8.7	7.4	7.8	7.6	2.2	4.6	9.5	2.7	6.4	6.4	.9	2.8
29	10.1	6.0	8.1	8.4	2.3	5.1	6.5	1.8	3.7	7.5	.8	3.1
30	9.3	6.0	7.8	8.1	2.3	5.4	8.7	1.7	4.2	7.3	1.1	3.5
31	---	---	---	7.6	3.1	5.2	7.9	1.8	4.0	---	---	---
MONTH	---	---	---	10.9	2.2	6.2	10.6	1.4	5.4	9.0	.8	3.3

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	14.5	12.8	13.7	14.1	13.2	13.8	---	---	---
2	13.6	12.1	12.5	14.4	12.7	13.8	14.1	13.3	13.8	---	---	---
3	14.0	12.2	12.7	14.9	12.7	13.6	14.1	13.1	13.6	---	---	---
4	14.0	12.3	12.7	15.1	12.7	13.8	14.0	13.1	13.5	---	---	---
5	13.4	12.1	12.5	14.9	12.4	13.8	14.1	13.1	13.7	---	---	---
6	14.3	12.5	12.8	14.7	12.8	13.7	14.1	13.1	13.6	---	---	---
7	13.9	12.3	12.9	14.5	12.5	13.7	14.3	13.2	13.9	---	---	---
8	13.7	11.9	12.4	14.5	12.8	14.0	14.4	13.4	14.0	---	---	---
9	13.9	11.9	12.8	14.6	13.1	14.3	14.1	13.2	13.9	---	---	---
10	13.9	12.1	12.8	14.5	12.5	13.8	14.1	13.4	14.0	---	---	---
11	14.0	12.2	12.8	14.8	13.1	14.3	14.0	13.3	13.6	---	---	---
12	14.0	12.3	12.7	14.7	13.0	14.3	14.0	13.5	13.6	---	---	---
13	14.0	11.7	12.6	14.5	12.9	13.7	14.2	13.3	13.6	---	---	---
14	13.9	12.0	13.1	14.5	13.1	13.7	13.9	13.2	13.5	---	---	---
15	13.9	12.1	13.1	14.6	13.2	14.1	13.8	12.9	13.4	---	---	---
16	14.2	12.2	12.9	14.6	12.9	13.9	13.7	12.9	13.5	---	---	---
17	14.0	12.2	13.2	14.3	12.9	13.5	13.9	13.1	13.4	---	---	---
18	14.2	12.4	13.6	14.3	12.9	13.6	13.4	12.9	13.2	---	---	---
19	14.4	12.4	13.3	14.6	13.1	13.9	13.4	13.1	13.2	---	---	---
20	14.2	12.2	13.2	14.6	13.1	13.7	13.4	12.9	13.2	---	---	---
21	14.2	12.5	13.4	14.3	12.9	13.6	13.2	13.0	13.1	---	---	---
22	14.5	12.6	13.4	14.1	12.8	13.4	13.1	12.4	12.8	---	---	---
23	14.1	12.2	13.2	14.2	13.0	13.5	12.7	12.4	12.5	---	---	---
24	14.2	12.4	13.5	14.3	13.1	13.7	12.4	11.7	12.1	---	---	---
25	14.4	12.6	13.9	14.5	13.3	13.8	12.3	11.6	11.8	---	---	---
26	14.3	12.7	13.8	14.3	12.8	13.7	12.2	11.6	11.8	---	---	---
27	14.4	12.6	13.8	14.2	13.1	13.7	12.0	11.4	11.6	---	---	---
28	14.3	12.5	13.4	14.1	12.9	13.6	11.6	11.4	11.5	---	---	---
29	14.4	12.6	13.8	14.0	13.1	13.6	11.5	11.2	11.3	---	---	---
30	14.5	12.9	14.1	14.1	13.3	13.7	11.3	10.9	11.1	---	---	---
31	14.6	12.9	13.9	---	---	---	11.2	10.7	10.9	---	---	---
MONTH	---	---	---	15.1	12.4	13.8	14.4	10.7	13.0	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	11.1	9.8	10.3	11.8	10.5	11.1	13.0	11.2	11.7
2	10.1	9.4	9.7	11.1	10.0	10.6	12.0	10.4	11.1	13.1	11.3	11.9
3	10.0	9.3	9.7	11.3	9.9	10.5	11.8	10.4	11.0	13.0	11.3	11.8
4	10.0	9.4	9.8	11.0	9.8	10.3	11.7	10.4	11.1	12.6	11.2	11.8
5	10.0	9.3	9.8	10.8	9.8	10.2	11.8	10.4	11.0	12.9	11.4	11.8
6	10.1	9.4	9.8	10.9	9.8	10.3	12.0	10.8	11.6	12.8	11.3	11.8
7	10.5	9.4	10.1	11.1	10.0	10.4	11.8	10.5	11.1	12.9	11.3	12.0
8	10.4	10.1	10.3	10.9	10.0	10.4	12.0	10.5	11.2	13.0	11.4	11.8
9	10.4	9.8	10.2	11.2	10.1	10.6	11.8	10.6	11.1	13.1	11.4	11.9
10	10.5	9.9	10.0	11.1	10.1	10.5	11.9	10.6	11.5	12.8	11.3	11.8
11	10.6	9.5	9.9	11.0	10.1	10.4	12.0	10.6	11.5	13.1	11.3	11.7
12	10.4	9.5	9.8	10.9	10.0	10.4	12.0	10.8	11.7	13.0	11.4	11.8
13	10.3	9.5	9.8	10.8	9.9	10.3	12.3	11.1	11.8	13.1	11.5	12.0
14	10.5	9.5	9.8	11.2	9.9	10.4	12.6	11.0	11.8	12.8	11.2	11.8
15	10.3	9.5	9.8	11.2	10.1	10.6	12.1	10.6	11.4	13.1	11.1	12.0
16	10.4	9.4	9.8	11.5	10.1	10.6	12.4	10.8	11.8	13.2	11.5	12.0
17	10.5	9.6	10.1	11.1	10.1	10.6	12.5	11.6	12.2	12.9	11.2	11.9
18	10.5	9.4	10.1	11.1	10.1	10.5	12.5	11.1	12.0	13.2	11.3	11.8
19	10.6	9.5	9.9	11.2	10.0	10.6	12.5	10.9	11.8	13.4	11.5	12.3
20	10.7	9.6	10.1	11.4	10.1	10.8	12.5	11.0	11.7	13.3	11.6	12.0
21	10.8	9.8	10.2	11.3	10.2	10.7	12.1	10.9	11.5	13.1	11.4	11.9
22	10.7	9.6	10.2	11.5	10.3	10.9	12.4	11.0	11.5	12.6	10.9	11.6
23	10.5	9.6	10.1	11.4	10.4	10.9	12.7	11.0	11.7	13.3	11.0	11.9
24	10.8	9.6	10.3	11.4	10.2	10.7	12.8	11.1	11.9	13.3	11.6	12.3
25	10.8	10.2	10.5	11.3	10.2	10.7	12.8	11.0	11.8	13.3	11.4	12.2
26	10.7	9.8	10.3	11.4	10.2	10.9	12.6	10.8	11.6	13.1	11.7	12.1
27	10.7	9.8	10.4	12.0	10.4	11.1	12.9	11.2	12.0	13.5	11.8	12.6
28	11.0	9.8	10.7	11.5	10.4	11.0	12.9	11.5	12.2	13.4	11.6	12.2
29	11.1	9.9	10.6	11.7	10.4	11.1	12.9	11.2	11.8	13.9	11.6	12.3
30	10.9	10.0	10.6	11.7	10.4	11.1	12.9	11.2	12.0	13.1	11.1	12.0
31	---	---	---	11.6	10.5	11.0	12.9	11.1	11.9	---	---	---
MONTH	---	---	---	12.0	9.8	10.6	12.9	10.4	11.6	13.9	10.9	12.0

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
14...	1545	80513	80513	765	45	4.9	9.3
14...	1546	80513	80513	765	45	4.9	8.9
14...	1547	80513	80513	765	46	4.9	8.6
14...	1548	80513	80513	765	46	5.0	8.3
14...	1549	80513	80513	765	46	5.0	8.1
14...	1550	80513	80513	765	51	5.5	7.8
14...	1552	80513	80513	765	54	5.8	7.6
14...	1554	80513	80513	765	52	5.5	7.4

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG						
14...	314	12.1	6.20	500	31.0	3.10
14...	315	12.0	4.20	500	93.0	2.10
14...	315	12.0	5.40	500	155.0	2.70
14...	316	12.0	4.40	500	216.0	2.20
14...	317	12.0	8.80	500	277.0	4.40
14...	317	12.2	6.80	500	338.0	3.40
14...	319	12.2	10.0	500	399.0	5.80
14...	318	12.4	4.00	500	460.0	2.10

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	1.3	3.6	8.7	1.5	3.1	9.1	2.8	6.6	---	---	---
2	7.6	1.4	3.6	9.3	1.8	4.9	8.7	1.5	4.8	---	---	---
3	7.5	1.3	4.1	8.7	2.3	6.0	2.7	1.0	1.5	---	---	---
4	8.8	1.6	3.9	9.2	2.5	6.1	8.1	1.0	3.4	---	---	---
5	7.1	1.7	3.7	7.2	.7	4.0	8.1	1.2	2.2	---	---	---
6	7.8	1.7	3.8	7.2	.3	2.4	7.6	1.4	4.6	---	---	---
7	5.6	1.5	3.2	7.0	.1	2.1	8.8	1.8	5.3	---	---	---
8	7.2	.8	2.5	7.4	.2	3.2	8.6	1.4	3.8	---	---	---
9	6.8	.9	2.3	7.4	.3	3.0	10.0	1.4	3.8	---	---	---
10	6.3	1.0	2.8	6.3	.9	3.2	9.1	1.7	4.1	---	---	---
11	7.0	1.1	2.8	6.7	1.0	2.8	3.1	2.4	2.7	---	---	---
12	7.6	1.2	4.2	6.8	1.2	3.6	4.1	2.3	3.0	---	---	---
13	7.5	.8	4.1	6.7	1.5	2.9	8.5	4.1	5.5	---	---	---
14	7.1	.9	2.6	6.8	1.6	2.9	5.5	3.9	4.7	---	---	---
15	7.4	.6	3.1	6.9	2.0	3.8	6.5	4.0	5.3	---	---	---
16	3.1	.6	1.1	7.3	1.0	4.4	6.8	5.2	6.0	---	---	---
17	2.9	.6	1.1	7.1	1.3	4.4	6.6	5.8	6.2	---	---	---
18	5.5	.5	2.1	7.3	2.4	5.4	8.4	6.0	7.1	---	---	---
19	7.2	.4	4.4	7.6	1.0	3.5	6.9	6.1	6.4	---	---	---
20	6.5	.8	2.5	7.6	1.2	3.6	8.1	5.9	6.9	---	---	---
21	6.8	.9	4.3	7.5	1.2	3.1	8.7	7.2	7.9	---	---	---
22	6.6	.5	2.1	7.6	1.3	2.8	7.7	6.5	7.1	---	---	---
23	6.1	.5	1.7	8.5	1.6	3.2	7.2	6.3	6.8	---	---	---
24	7.1	.4	3.4	8.9	2.4	6.0	8.6	6.9	7.6	---	---	---
25	7.0	.4	2.7	9.1	2.0	4.8	8.5	7.4	7.8	---	---	---
26	7.9	1.1	3.6	9.0	2.5	6.7	9.0	7.3	7.7	---	---	---
27	7.0	1.0	3.1	9.1	2.2	5.1	9.8	7.7	8.1	---	---	---
28	7.4	1.0	2.9	9.6	2.4	5.4	8.8	7.8	8.1	---	---	---
29	7.0	1.1	2.1	9.1	2.4	6.6	8.8	7.5	8.0	---	---	---
30	3.2	1.2	1.7	9.2	3.3	7.0	9.1	7.7	8.2	---	---	---
31	7.7	1.3	3.0	---	---	---	9.3	7.9	8.4	---	---	---
MONTH	8.8	.4	3.0	9.6	.1	4.2	10.0	1.0	5.8	---	---	---

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	10.4	6.2	7.9
3	---	---	---	---	---	---	---	---	---	10.6	6.4	8.1
4	---	---	---	---	---	---	---	---	---	10.9	6.9	8.4
5	---	---	---	---	---	---	---	---	---	10.6	6.6	8.2
6	---	---	---	---	---	---	---	---	---	9.9	6.9	8.2
7	---	---	---	---	---	---	---	---	---	10.1	7.1	9.0
8	---	---	---	---	---	---	---	---	---	11.0	6.7	8.4
9	---	---	---	---	---	---	---	---	---	10.0	6.6	8.1
10	---	---	---	---	---	---	---	---	---	12.0	7.0	8.8
11	---	---	---	---	---	---	---	---	---	11.3	6.7	8.6
12	---	---	---	---	---	---	---	---	---	10.7	6.9	8.4
13	---	---	---	---	---	---	---	---	---	10.9	6.7	8.2
14	---	---	---	---	---	---	---	---	---	10.9	6.8	8.4
15	---	---	---	---	---	---	---	---	---	11.2	6.7	8.4
16	---	---	---	---	---	---	---	---	---	11.0	6.4	8.2
17	---	---	---	---	---	---	---	---	---	10.0	6.4	7.8
18	---	---	---	---	---	---	---	---	---	9.9	6.5	8.0
19	---	---	---	---	---	---	---	---	---	10.2	6.1	7.9
20	---	---	---	---	---	---	---	---	---	10.6	6.1	7.9
21	---	---	---	---	---	---	---	---	---	10.6	6.1	7.6
22	---	---	---	---	---	---	---	---	---	9.9	5.8	7.8
23	---	---	---	---	---	---	---	---	---	11.1	5.7	7.9
24	---	---	---	---	---	---	---	---	---	11.3	6.0	8.3
25	---	---	---	---	---	---	---	---	---	10.4	6.3	8.0
26	---	---	---	---	---	---	---	---	---	10.1	5.9	7.8
27	---	---	---	---	---	---	---	---	---	8.8	5.9	7.1
28	---	---	---	---	---	---	---	---	---	9.2	6.0	7.2
29	---	---	---	---	---	---	---	---	---	9.3	5.9	7.2
30	---	---	---	---	---	---	---	---	---	9.9	5.9	7.5
31	---	---	---	---	---	---	---	---	---	10.7	5.8	7.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.8	5.8	7.4	7.6	4.8	6.0	7.6	3.2	5.2	9.1	2.3	5.3
2	11.4	5.9	7.7	7.3	4.8	5.8	6.7	3.3	4.7	6.6	1.3	3.3
3	9.3	6.0	7.4	7.9	4.9	6.1	7.5	3.3	4.9	7.8	1.2	3.0
4	9.2	5.8	7.1	7.3	4.8	6.0	9.5	3.3	5.6	5.9	1.1	3.2
5	8.7	.3	6.7	9.0	4.8	6.2	8.8	3.3	5.9	8.4	1.3	4.4
6	10.3	6.0	7.3	9.2	4.8	6.4	7.9	3.0	5.4	8.8	1.5	5.1
7	8.9	5.9	7.1	8.5	4.5	6.1	9.1	2.9	6.0	7.9	1.3	4.0
8	8.9	5.8	7.1	10.4	4.8	7.2	9.3	3.0	5.7	7.6	1.3	4.1
9	9.4	5.8	7.4	7.2	4.5	6.0	7.6	2.9	4.9	6.2	1.3	3.1
10	8.6	5.7	6.9	7.9	4.4	5.8	8.9	2.7	5.1	6.3	1.1	3.2
11	8.7	5.6	7.0	7.6	4.5	5.8	8.8	2.6	5.7	7.4	1.1	3.5
12	9.9	5.4	7.2	7.8	4.3	5.5	8.2	2.5	5.5	7.8	1.0	3.1
13	8.1	5.7	7.0	7.9	4.2	5.8	9.4	2.1	4.7	6.8	.9	3.5
14	8.3	5.6	6.5	8.5	4.3	5.9	9.0	2.0	4.4	6.7	1.0	3.4
15	10.1	5.5	7.3	7.6	4.1	5.5	8.5	2.3	4.4	8.0	1.4	4.6
16	9.0	5.6	7.3	6.9	3.9	5.3	8.8	2.4	4.5	8.2	1.3	4.5
17	8.7	5.5	6.9	7.5	3.8	5.4	9.7	2.2	4.7	8.2	2.6	5.2
18	8.5	5.3	6.4	7.6	4.0	5.6	9.4	2.2	4.7	8.1	2.5	5.5
19	8.6	5.2	6.7	8.9	4.1	6.3	10.3	2.3	5.3	7.8	2.2	5.0
20	9.0	5.3	6.7	7.8	4.0	5.4	9.3	1.9	4.7	10.8	1.7	5.7
21	8.2	5.3	6.6	7.9	3.7	5.4	8.9	1.9	4.9	7.8	1.2	5.2
22	8.6	5.2	6.6	6.6	3.5	4.9	9.7	2.1	5.7	7.9	3.0	5.5
23	8.6	5.3	6.7	6.8	3.7	5.0	9.9	2.2	5.0	7.3	3.7	5.5
24	7.7	5.1	6.2	7.2	3.4	4.9	7.3	1.9	4.4	7.3	1.2	4.9
25	8.4	4.9	6.3	6.7	3.5	5.0	8.4	1.6	4.6	7.6	2.5	5.0
26	7.8	5.2	6.4	6.9	3.6	5.0	8.1	1.8	4.7	10.3	2.0	6.1
27	8.1	5.0	6.3	6.6	3.4	4.8	8.9	2.5	5.9	7.6	2.8	4.9
28	7.2	4.8	5.8	9.2	3.5	5.1	8.9	2.1	4.9	7.6	2.2	4.4
29	7.6	4.9	6.0	6.3	3.4	4.7	9.0	1.7	4.5	8.1	2.6	5.6
30	7.3	4.7	5.9	7.2	3.3	5.0	9.1	1.8	4.7	7.3	1.8	4.3
31	---	---	---	6.8	3.3	4.7	8.5	2.2	5.2	---	---	---
MONTH	11.4	.3	6.8	10.4	3.3	5.6	10.3	1.6	5.0	10.8	.9	4.5

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.2	11.0	12.1	14.3	12.1	12.6	13.6	12.3	13.2	---	---	---
2	13.3	11.5	12.3	14.8	12.0	13.0	13.5	12.5	12.9	---	---	---
3	13.7	11.7	12.5	14.4	12.0	13.3	13.1	12.4	12.7	---	---	---
4	14.1	11.7	12.5	13.9	12.2	13.3	13.7	12.7	13.0	---	---	---
5	13.3	11.2	12.1	14.0	12.3	13.2	13.6	12.6	12.8	---	---	---
6	13.4	11.2	12.1	14.0	12.5	12.9	13.8	12.3	13.2	---	---	---
7	13.5	11.6	12.4	14.0	12.4	12.9	13.6	12.3	13.1	---	---	---
8	13.2	11.9	12.3	14.0	12.4	13.1	13.4	12.4	12.8	---	---	---
9	13.7	11.9	12.3	13.9	12.2	13.0	13.5	12.5	12.9	---	---	---
10	13.8	11.8	12.6	13.9	12.3	12.9	13.6	12.7	13.0	---	---	---
11	13.6	11.7	12.4	13.9	12.2	12.8	12.7	12.4	12.6	---	---	---
12	13.6	11.6	12.8	14.0	12.2	13.0	12.9	12.4	12.7	---	---	---
13	13.8	11.8	12.9	13.8	12.1	12.7	13.1	12.6	12.9	---	---	---
14	13.7	11.8	12.3	13.9	12.3	12.7	12.9	12.4	12.6	---	---	---
15	13.5	11.6	12.5	14.0	12.1	12.9	12.9	12.3	12.5	---	---	---
16	12.5	11.7	12.1	14.0	12.1	13.0	13.0	12.3	12.5	---	---	---
17	12.3	11.9	12.1	13.8	12.3	13.0	12.7	12.3	12.4	---	---	---
18	14.4	11.6	12.3	13.9	12.4	13.4	13.1	12.3	12.5	---	---	---
19	13.7	11.5	12.5	14.1	12.4	12.9	12.4	12.1	12.2	---	---	---
20	13.8	11.6	12.4	14.2	12.4	13.3	12.6	11.9	12.2	---	---	---
21	14.0	11.6	13.1	14.1	12.3	12.8	12.2	11.6	11.8	---	---	---
22	13.8	11.7	12.4	13.8	12.2	12.7	12.0	11.4	11.6	---	---	---
23	14.4	11.9	12.4	13.9	12.2	12.7	11.9	11.4	11.5	---	---	---
24	14.4	11.3	13.0	14.3	12.5	13.7	11.9	11.2	11.5	---	---	---
25	13.7	11.1	12.1	14.2	12.0	13.0	11.9	11.1	11.3	---	---	---
26	13.7	11.5	12.5	13.9	12.3	13.4	11.8	11.1	11.2	---	---	---
27	14.0	11.9	12.8	13.8	12.0	12.9	11.3	10.9	11.1	---	---	---
28	13.8	11.8	12.6	14.0	12.2	13.1	11.4	10.8	11.0	---	---	---
29	12.5	11.9	12.1	14.0	12.7	13.5	11.4	10.6	10.9	---	---	---
30	12.6	11.8	12.1	13.9	12.5	13.4	11.3	10.6	10.8	---	---	---
31	13.7	11.9	12.4	---	---	---	11.3	10.5	10.7	---	---	---
MONTH	14.4	11.0	12.4	14.8	12.0	13.0	13.8	10.5	12.2	---	---	---

		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	9.8	8.9	9.2
3	---	---	---	---	---	---	---	---	---	9.6	9.1	9.3
4	---	---	---	---	---	---	---	---	---	9.9	8.9	9.3
5	---	---	---	---	---	---	---	---	---	9.7	9.0	9.3
6	---	---	---	---	---	---	---	---	---	9.6	9.0	9.3
7	---	---	---	---	---	---	---	---	---	9.9	9.2	9.4
8	---	---	---	---	---	---	---	---	---	10.5	9.0	9.6
9	---	---	---	---	---	---	---	---	---	9.8	9.1	9.3
10	---	---	---	---	---	---	---	---	---	10.4	8.8	9.5
11	---	---	---	---	---	---	---	---	---	10.3	9.1	9.5
12	---	---	---	---	---	---	---	---	---	9.9	9.2	9.5
13	---	---	---	---	---	---	---	---	---	10.1	9.1	9.5
14	---	---	---	---	---	---	---	---	---	10.3	8.8	9.5
15	---	---	---	---	---	---	---	---	---	9.7	9.0	9.3
16	---	---	---	---	---	---	---	---	---	9.9	9.0	9.3
17	---	---	---	---	---	---	---	---	---	9.9	9.2	9.5
18	---	---	---	---	---	---	---	---	---	10.0	9.4	9.6
19	---	---	---	---	---	---	---	---	---	10.1	9.3	9.6
20	---	---	---	---	---	---	---	---	---	9.9	9.2	9.6
21	---	---	---	---	---	---	---	---	---	10.1	9.2	9.5
22	---	---	---	---	---	---	---	---	---	10.3	9.1	9.5
23	---	---	---	---	---	---	---	---	---	11.1	9.2	9.7
24	---	---	---	---	---	---	---	---	---	10.4	9.4	9.7
25	---	---	---	---	---	---	---	---	---	10.6	9.5	9.8
26	---	---	---	---	---	---	---	---	---	10.4	9.4	9.8
27	---	---	---	---	---	---	---	---	---	9.9	9.3	9.7
28	---	---	---	---	---	---	---	---	---	10.5	9.5	9.9
29	---	---	---	---	---	---	---	---	---	10.6	9.6	10.0
30	---	---	---	---	---	---	---	---	---	10.5	9.5	9.7
31	---	---	---	---	---	---	---	---	---	10.2	9.4	9.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07059998 NORTH FORK RIVER AT BASE OF NORFORK DAM NEAR NORFORK--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.2	9.5	9.8	10.4	9.7	10.0	11.2	10.0	10.4	11.8	10.5	11.3
2	10.4	9.5	9.9	10.9	9.8	10.2	11.0	10.1	10.5	12.3	10.5	11.1
3	10.4	9.6	9.9	10.8	9.9	10.3	11.1	10.1	10.5	11.8	10.5	11.1
4	10.2	9.5	9.7	10.8	9.8	10.2	10.9	10.2	10.5	11.9	10.5	11.2
5	10.6	9.5	9.9	10.8	9.8	10.2	10.8	10.1	10.5	11.6	10.6	11.0
6	10.6	9.4	9.8	11.0	9.8	10.2	10.9	10.1	10.4	11.8	10.5	11.3
7	10.6	9.3	9.8	11.3	9.8	10.2	11.3	9.9	10.5	12.0	10.6	11.3
8	10.7	9.3	9.8	10.7	9.9	10.0	11.3	10.1	10.6	11.9	10.5	11.1
9	10.5	9.4	9.9	11.1	9.8	10.3	11.2	10.2	10.7	12.0	10.7	11.1
10	10.3	9.6	9.9	10.8	9.9	10.3	11.2	10.2	10.8	11.9	10.7	11.1
11	10.4	9.6	9.9	10.8	9.9	10.3	11.3	10.3	10.7	12.1	10.6	11.3
12	10.7	9.6	10.0	10.8	9.9	10.3	11.4	10.1	10.6	12.5	10.6	11.3
13	10.4	9.5	9.9	10.7	9.9	10.2	11.5	10.1	10.7	12.1	10.6	11.3
14	10.2	9.6	9.9	10.9	9.9	10.2	11.2	10.2	10.7	12.0	10.6	11.2
15	10.6	9.5	10.0	10.8	9.9	10.2	11.4	10.2	10.8	12.1	10.9	11.4
16	10.3	9.6	9.9	11.1	9.9	10.3	11.3	10.3	10.8	11.9	10.6	11.1
17	10.4	9.6	10.0	10.8	9.9	10.2	11.4	10.3	10.8	12.1	10.6	11.3
18	10.3	9.8	9.9	10.9	9.9	10.3	11.5	10.1	10.9	11.9	10.8	11.4
19	10.2	9.7	9.9	11.5	9.9	10.4	11.3	10.4	10.6	12.1	10.7	11.3
20	10.4	9.8	10.1	10.7	9.9	10.2	11.2	10.2	10.6	12.6	10.7	11.4
21	10.4	9.8	10.1	10.6	9.8	10.1	11.5	10.4	10.9	12.4	10.6	11.4
22	10.9	9.8	10.2	10.5	10.0	10.1	11.6	10.4	10.9	11.9	10.6	11.4
23	10.7	9.8	10.1	11.0	10.0	10.3	11.4	10.3	10.8	12.5	11.7	12.1
24	10.4	9.7	10.0	11.1	10.0	10.3	11.5	10.2	10.8	12.5	11.1	11.6
25	10.6	9.7	10.0	11.1	10.0	10.4	11.4	10.4	10.8	12.9	10.8	11.6
26	10.4	9.8	10.0	11.1	9.9	10.3	11.5	10.4	10.9	12.1	10.8	11.3
27	10.6	9.8	10.1	10.9	10.0	10.4	11.5	10.5	11.1	12.1	10.7	11.5
28	10.5	9.7	9.9	10.8	10.0	10.3	11.8	10.3	11.1	12.3	10.8	11.4
29	10.8	9.7	10.1	10.6	10.1	10.2	11.9	10.5	11.2	12.4	11.1	11.7
30	10.7	9.8	10.1	10.8	10.0	10.3	11.7	10.5	11.1	12.5	10.9	11.5
31	---	---	---	11.2	10.0	10.4	11.9	10.4	11.3	---	---	---
MONTH	10.9	9.3	9.9	11.5	9.7	10.2	11.9	9.9	10.8	12.9	10.5	11.3

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.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT									
07...	0931	80513	80513	765	97	10.5	7.6	358	12.0
NOV									
04...	1413	80513	80513	757	117	11.6	8.0	347	15.7
DEC									
01...	1007	80513	80513	747	95	10.0	7.9	339	12.4
MAR									
22...	0933	80513	80513	768	93	10.7	7.7	330	9.3
JUN									
21...	1321	80513	80513	760	109	11.0	7.7	668	14.9
JUL									
17...	1252	80513	80513	760	116	12.4	8.0	725	12.0
AUG									
15...	0810	80513	80513	759	91	9.8	8.0	298	11.9
SEP									
13...	1201	80513	80513	763	156	15.5	8.2	343	15.6

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.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1810	976	6450	737	10300	3310	2520	1210	5090	5960	9290	10700
2	1620	5660	4960	1260	11500	4020	2120	1170	3890	5590	10200	8120
3	1720	7800	2720	1110	11200	3790	1650	1210	4090	5510	11100	9790
4	2210	8580	2920	1790	7810	2790	3730	1280	3220	11000	11200	5600
5	4320	6750	3720	3460	6150	2370	4830	1620	2810	9150	11900	3010
6	3140	6100	5690	4800	3560	3780	2180	1640	2280	10600	10900	3830
7	1590	2090	10200	4420	2730	3710	3400	1820	2410	11600	10900	4740
8	7000	1320	3680	3250	3100	3420	3380	3400	2110	8660	12400	5670
9	5750	2820	2120	1490	2920	3000	1650	9900	2070	6720	13400	6170
10	1980	2370	1910	1260	2410	3440	2630	3140	1960	8800	14600	4660
11	4880	1730	1510	1820	2760	4190	3150	2340	1800	15700	11500	9730
12	10600	1960	2240	2080	3930	1660	2230	2160	1810	14500	10800	9730
13	9490	3620	7710	2460	1320	3550	1930	2000	2120	14100	11400	3010
14	6980	1320	12200	3230	1850	2010	1250	1740	3860	12300	8510	5540
15	4200	699	6810	4480	2430	3370	1610	1620	2140	9820	12500	5850
16	5120	1660	6080	1450	1960	4580	1410	1610	4290	7620	14500	2110
17	1770	2690	6940	1130	3800	2780	1390	1520	5120	7410	14700	1440
18	1180	6190	3200	2610	2970	2000	6150	1580	21900	3050	12000	5280
19	5010	2630	2150	8710	4300	1890	2280	1740	24900	5700	5760	2650
20	5360	1950	1440	4560	2700	4010	1380	2730	11000	8360	3990	4340
21	5770	1320	5430	9820	1850	4830	1080	2250	7960	6540	8680	2080
22	3530	1600	4870	7330	1530	4280	1030	2280	16600	6930	10200	1890
23	2880	1510	3860	1620	1630	3260	1050	2230	16300	2040	9690	4430
24	2930	2220	2390	1920	1450	3880	1320	2660	12300	2470	10900	3120
25	1190	3720	1040	11300	1990	3150	1430	2310	8520	4770	11100	1120
26	6820	2160	901	12800	2870	2800	1750	1920	6380	3610	8530	2040
27	6800	1500	1070	10300	4680	3640	1730	10400	4900	7010	10200	1100
28	6710	1190	1590	9150	5390	3970	1570	30000	3990	8900	9100	1600
29	8630	1360	1680	4740	5620	4720	1430	19600	3270	7570	11500	1190
30	6770	2470	1270	1810	---	4800	1310	8730	5230	6300	10500	1440
31	1610	---	1060	2310	---	4520	---	6130	---	4390	9670	---
TOTAL	139370	87965	119811	129207	116710	107520	64570	133940	194320	242680	331620	131980
MEAN	4496	2932	3865	4168	4024	3468	2152	4321	6477	7828	10700	4399
MAX	10600	8580	12200	12800	11500	4830	6150	30000	24900	15700	14700	10700
MIN	1180	699	901	737	1320	1660	1030	1170	1800	2040	3990	1100
AC-FT	276400	174500	237600	256300	231500	213300	128100	265700	385400	481400	657800	261800

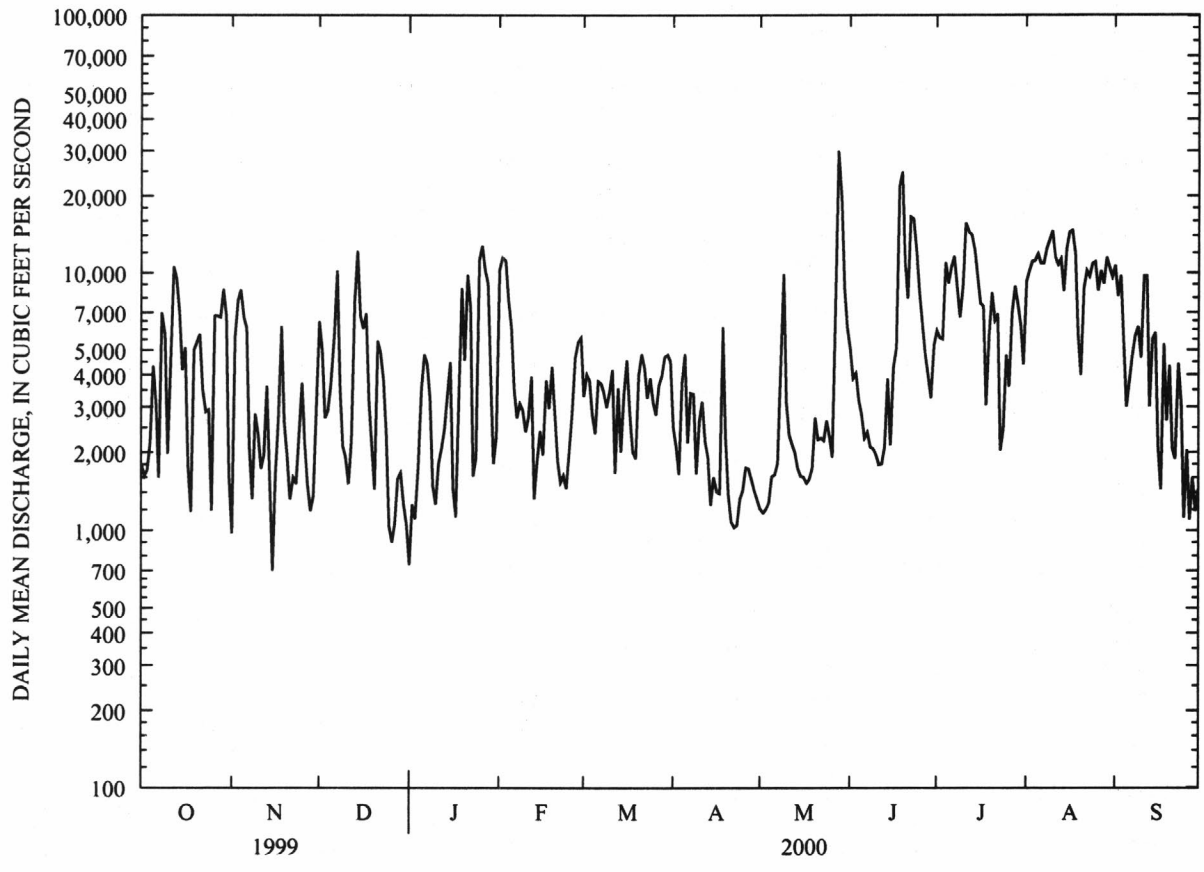
07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	5468	7295	10020	10810	12470	14420	16020	14200	10210	9168	7594	5795
MAX	19280	26560	31170	34700	39600	62300	86320	64400	44330	29410	25390	25180
(WY)	1942	1947	1997	1950	1949	1945	1945	1943	1945	1957	1957	1957
MIN	584	892	1359	1680	2204	3468	1610	3525	3225	1545	1210	678
(WY)	1955	1982	1982	1955	1964	2000	1981	1982	1952	1944	1943	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	3471346		1799693			
ANNUAL MEAN	9511		4917		10280	
HIGHEST ANNUAL MEAN					22890	1945
LOWEST ANNUAL MEAN					3482	1981
HIGHEST DAILY MEAN	28600	Apr 10	30000	May 28	292000	Apr 16 1945
LOWEST DAILY MEAN	699	Nov 15	699	Nov 15	310	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	1230	Dec 25	1190	Dec 26	412	Sep 23 1954
INSTANTANEOUS PEAK FLOW			41300	Jun 18	310000	Apr 16 1945
INSTANTANEOUS PEAK STAGE			14.66	Jun 18	[a]49.84	Apr 16 1945
INSTANTANEOUS LOW FLOW			612	Nov 15	[b]305	Sep 27 1954
ANNUAL RUNOFF (AC-FT)	6885000		3570000		7445000	
10 PERCENT EXCEEDS	18300		10800		21700	
50 PERCENT EXCEEDS	8930		3450		6940	
90 PERCENT EXCEEDS	1910		1420		1980	

[a]At present datum
[b]Observed



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.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	17.7	17.8	19.6	16.9	17.6	---	---	---	13.6	11.4	12.4
2	18.1	17.1	17.7	17.2	15.8	16.3	19.8	19.3	19.5	19.7	13.6	16.5
3	18.7	17.8	18.3	19.3	17.2	18.5	20.9	19.8	20.6	19.3	13.9	16.4
4	18.9	17.9	18.5	19.5	18.9	19.2	22.0	15.8	17.8	15.0	13.7	14.5
5	18.5	17.9	18.2	20.7	19.5	20.1	17.4	15.0	15.8	13.7	12.9	13.2
6	18.5	17.7	18.0	21.5	16.8	19.4	15.3	13.6	14.2	14.6	13.5	14.0
7	19.6	17.1	17.5	22.0	20.5	21.3	18.0	14.0	14.9	15.8	14.6	15.2
8	19.7	17.7	18.7	21.8	20.7	21.3	20.0	18.0	19.7	15.8	14.4	15.1
9	19.1	17.1	17.6	21.9	20.6	21.4	20.7	16.6	19.4	17.9	15.4	17.4
10	17.9	17.1	17.5	22.3	21.7	21.9	20.3	17.6	18.6	17.2	15.1	15.8
11	18.8	17.9	18.3	22.3	21.3	21.9	19.3	17.4	18.5	15.1	13.0	13.9
12	18.3	17.4	17.8	21.9	20.8	21.5	19.2	18.1	18.8	17.4	14.7	15.4
13	17.5	16.9	17.2	22.1	21.2	21.6	19.0	12.4	15.6	---	---	---
14	17.4	16.6	17.0	22.1	21.2	21.8	17.7	12.4	15.6	---	---	---
15	17.3	16.8	17.0	21.2	19.0	19.6	17.4	16.0	16.8	---	---	---
16	18.7	17.0	17.4	20.1	17.5	18.7	17.8	17.1	17.4	---	---	---
17	18.8	16.0	17.5	20.4	19.7	20.1	18.4	17.7	17.9	---	---	---
18	16.0	14.2	14.7	21.0	20.2	20.5	18.6	18.3	18.5	---	---	---
19	15.8	15.1	15.4	21.2	21.0	21.1	18.3	16.8	18.1	---	---	---
20	15.9	15.4	15.7	21.2	20.3	20.9	17.9	16.0	17.0	---	---	---
21	15.9	15.4	15.7	20.3	18.1	19.2	16.6	15.0	15.6	---	---	---
22	15.9	15.4	15.7	21.2	19.9	20.5	16.8	16.4	16.7	---	---	---
23	15.9	14.1	14.9	22.0	18.1	20.3	17.0	16.6	16.8	---	---	---
24	17.2	15.2	16.5	20.4	19.7	20.1	17.3	16.0	16.9	---	---	---
25	17.2	16.0	16.5	20.3	20.0	20.1	16.0	12.6	13.5	---	---	---
26	18.1	16.4	17.2	20.0	19.6	19.8	13.2	11.6	12.4	---	---	---
27	19.0	18.1	18.6	19.7	19.1	19.4	13.1	10.3	11.4	---	---	---
28	19.9	19.0	19.4	19.5	18.7	19.0	11.5	9.6	10.4	---	---	---
29	20.2	19.9	20.0	18.7	17.9	18.2	12.9	11.5	12.0	---	---	---
30	20.8	20.2	20.4	18.4	17.4	18.0	14.2	11.9	12.8	---	---	---
31	23.5	17.7	20.8	---	---	---	14.2	12.6	13.3	---	---	---
MONTH	23.5	14.1	17.5	22.3	15.8	20.0	---	---	---	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	21.9	20.4	21.2
3	---	---	---	---	---	---	---	---	---	21.4	20.2	20.7
4	---	---	---	---	---	---	---	---	---	22.0	19.7	20.9
5	---	---	---	---	---	---	---	---	---	21.3	20.4	20.8
6	---	---	---	---	---	---	---	---	---	21.2	20.3	20.7
7	---	---	---	---	---	---	---	---	---	22.2	19.2	20.7
8	---	---	---	---	---	---	---	---	---	24.8	20.2	22.7
9	---	---	---	---	---	---	---	---	---	23.9	13.5	17.5
10	---	---	---	---	---	---	---	---	---	19.9	14.0	16.7
11	---	---	---	---	---	---	---	---	---	22.6	19.5	20.8
12	---	---	---	---	---	---	---	---	---	24.4	21.5	23.2
13	---	---	---	---	---	---	---	---	---	24.2	21.5	23.0
14	---	---	---	---	---	---	---	---	---	23.7	20.1	21.8
15	---	---	---	---	---	---	---	---	---	22.0	19.8	20.8
16	---	---	---	---	---	---	---	---	---	20.4	18.6	19.6
17	---	---	---	---	---	---	---	---	---	23.2	20.1	21.4
18	---	---	---	---	---	---	---	---	---	23.3	21.3	22.3
19	---	---	---	---	---	---	---	---	---	22.6	21.3	21.9
20	---	---	---	---	---	---	---	---	---	21.5	19.6	20.6
21	---	---	---	---	---	---	---	---	---	22.8	18.1	20.4
22	---	---	---	---	---	---	---	---	---	24.4	20.0	22.3
23	---	---	---	---	---	---	---	---	---	26.6	22.3	24.3
24	---	---	---	---	---	---	---	---	---	26.5	22.5	25.0
25	---	---	---	---	---	---	---	---	---	25.6	22.7	24.6
26	---	---	---	---	---	---	---	---	---	25.8	24.1	24.8
27	---	---	---	---	---	---	---	---	---	24.8	19.7	22.0
28	---	---	---	---	---	---	---	---	---	19.7	18.5	19.1
29	---	---	---	---	---	---	---	---	---	21.0	18.5	19.6
30	---	---	---	---	---	---	---	---	---	23.9	20.5	22.0
31	---	---	---	---	---	---	---	---	---	25.4	21.1	23.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.3	22.7	24.4	22.9	19.7	21.4	19.1	14.1	16.1	17.4	13.9	16.0
2	26.1	19.0	23.2	22.7	17.6	20.1	16.7	13.8	15.4	18.1	15.3	17.3
3	25.5	20.8	23.5	23.9	19.2	21.6	16.5	13.4	15.0	17.7	15.7	17.0
4	24.8	22.4	23.9	19.2	14.0	16.1	16.5	13.5	15.1	20.7	15.5	18.1
5	24.3	21.9	23.5	18.4	15.8	17.1	16.3	13.4	14.9	21.0	15.9	18.4
6	24.8	20.3	22.7	17.7	14.0	15.8	16.8	13.7	15.6	21.0	16.5	18.7
7	25.3	21.1	23.2	18.0	13.0	15.3	17.2	14.2	15.9	20.0	14.6	17.4
8	25.1	19.7	22.9	18.1	14.8	16.4	17.1	13.8	15.6	18.6	14.3	16.7
9	25.3	21.7	23.8	19.5	17.2	18.0	16.1	13.6	14.9	17.6	16.9	17.4
10	25.0	23.4	24.1	18.2	15.8	17.1	16.1	13.6	14.7	20.3	16.7	18.3
11	25.7	23.4	24.4	16.0	12.5	14.3	16.7	13.0	15.1	19.3	16.5	18.0
12	26.7	24.5	25.5	15.8	12.3	14.1	16.7	13.9	15.3	18.1	15.4	17.3
13	27.2	24.6	26.1	15.8	12.4	14.1	16.8	13.8	15.4	20.8	14.3	17.4
14	26.1	16.6	20.5	16.3	12.8	14.6	17.5	15.2	16.5	20.6	14.5	18.5
15	24.7	20.0	22.4	16.8	13.4	15.5	16.4	13.5	14.8	19.6	15.5	18.1
16	26.0	22.6	24.5	18.0	15.3	16.6	15.7	13.0	14.6	19.5	14.2	17.0
17	24.6	19.7	21.6	18.0	15.1	16.2	16.3	13.2	14.9	21.2	16.5	18.7
18	21.8	18.6	20.5	21.7	14.4	17.7	16.7	13.3	15.3	19.2	15.3	17.5
19	19.7	18.5	19.0	21.6	17.8	19.2	19.2	13.3	16.5	19.4	16.2	17.9
20	22.1	18.9	20.4	18.7	14.1	16.4	20.3	17.8	18.8	19.7	17.0	18.6
21	21.8	20.1	21.1	16.7	14.3	15.3	18.1	15.4	16.9	18.6	15.9	17.6
22	21.7	20.4	21.2	15.5	13.4	14.2	17.4	15.0	16.3	19.8	15.6	17.8
23	22.6	20.2	21.2	19.6	13.9	16.7	17.1	14.4	16.3	19.8	15.3	16.7
24	22.9	17.8	20.8	22.8	18.7	20.8	16.8	13.9	15.7	17.5	15.1	16.1
25	22.7	17.8	20.3	22.2	18.0	20.2	16.6	13.6	15.5	17.4	15.3	16.4
26	23.2	20.0	21.8	21.2	17.6	19.2	17.8	14.4	16.6	17.5	13.6	15.6
27	24.0	19.6	21.9	19.9	15.4	17.4	17.3	14.8	16.2	20.1	15.4	17.4
28	23.5	20.5	21.7	17.7	13.9	15.8	17.8	14.2	16.3	19.8	16.6	18.0
29	25.0	19.4	22.2	17.1	14.2	15.5	17.8	13.6	16.0	21.4	16.9	18.9
30	24.6	20.5	22.9	16.6	15.4	16.0	17.9	13.5	16.2	19.9	17.2	18.5
31	---	---	---	20.7	16.6	18.6	17.7	14.0	16.4	---	---	---
MONTH	27.2	16.6	22.5	23.9	12.3	17.0	20.3	13.0	15.8	21.4	13.6	17.6

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)	STREAM WIDTH (FT) (00004)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)
NOV								
23...	1115	80513	80513	151.0	1.00	430	755	15.0
23...	1117	80513	80513	194.0	1.00	430	755	15.0
23...	1120	80513	80513	237.0	1.00	430	755	14.9
23...	1122	80513	80513	280.0	1.00	430	755	14.9
23...	1123	80513	80513	323.0	1.00	430	755	14.9
23...	1125	80513	80513	366.0	1.00	430	755	14.9
23...	1127	80513	80513	409.0	1.00	430	755	14.9
23...	1129	80513	80513	452.0	1.00	430	755	14.9
23...	1131	80513	80513	495.0	1.00	430	755	14.9
23...	1133	80513	80513	538.0	1.00	430	755	14.9

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV 23...	1100	81213	80513	1520	755	82	8.2	7.9	290	14.9
JAN 19...	1430	81213	80513	11100	750	90	10.0	7.3	283	9.9
MAR 14...	1000	81213	80513	1870	773	94	10.6	8.1	297	10.5
MAY 18...	0945	81213	80513	1530	752	92	7.9	7.9	284	21.9
JUL 25...	1045	81213	80513	9230	747	100	9.3	7.7	286	17.6
AUG 15...	1130	81213	80513	17100	760	81	8.3	6.7	272	14.4

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV 23...	140	37	11	1.6	.1	3.2	5	113	6.2	6.5
JAN 19...	120	32	10	1.5	.1	3.3	6	130	5.6	6.5
MAR 14...	140	33	15	1.3	.1	2.0	3	175	3.4	5.5
MAY 18...	140	33	14	1.5	.1	2.2	3	141	3.8	5.1
JUL 25...	140	37	11	1.6	.1	3.2	5	125	5.9	6.6
AUG 15...	130	35	9.7	1.5	.1	3.7	6	126	5.7	7.0

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
NOV 23...	.020	.21	.170	.19	.38	.03	<.010	.020	<.010	<.020
JAN 19...	<.010	.22	.180	--	.40	--	<.010	<.020	<.010	<.020
MAR 14...	.040	<.20	.040	--	--	.05	<.010	<.020	<.010	<.020
MAY 18...	<.010	<.20	.030	--	--	--	<.010	<.020	<.010	<.020
JUL 25...	<.010	<.20	.150	--	--	--	<.010	<.020	<.010	<.020
AUG 15...	.010	.22	.210	.21	.43	.01	<.010	<.020	<.010	<.020

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
23...	.22	653	159	134	K8	K15	K22	82	20	99
JAN										
19...	.20	4500	150	138	31	35	40	929	31	92
MAR										
14...	.22	803	159	165	<1	K4	K4	136	27	97
MAY										
18...	.21	636	154	144	24	27	K25	120	29	99
JUL										
25...	.22	3960	159	141	140	150	61	997	40	81
AUG										
15...	.21	7160	155	139	--	33	--	1520	33	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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	13	3.3	2.2	3.2	37	8.6	14	42	11	10	1.5
2	2.2	11	3.7	2.5	3.6	25	8.9	16	27	9.2	6.9	1.4
3	2.2	7.6	11	35	4.2	35	8.8	31	20	9.9	5.3	1.3
4	2.2	5.8	13	56	5.0	48	7.8	26	15	20	4.7	1.4
5	2.2	5.1	13	28	5.3	39	6.8	20	13	22	4.2	1.4
6	2.4	4.8	9.5	16	4.5	30	6.4	20	11	11	4.0	1.4
7	2.8	4.6	5.0	11	4.1	22	6.2	18	10	8.3	3.8	1.4
8	7.8	4.5	3.1	9.7	3.8	18	5.5	15	8.6	6.3	3.9	1.6
9	9.7	4.6	8.6	8.3	3.5	15	4.8	13	7.8	5.0	4.1	2.0
10	8.7	4.7	28	7.5	3.5	13	4.6	11	8.8	4.0	3.5	2.2
11	7.1	4.8	19	e6.0	3.4	13	6.4	9.5	9.4	3.5	3.2	2.5
12	6.0	4.7	145	e5.0	3.2	11	8.6	8.4	7.5	4.6	3.5	2.4
13	5.4	4.8	132	e4.2	3.2	9.8	7.6	7.8	6.3	5.1	3.3	2.6
14	5.1	4.7	68	4.0	3.1	8.6	6.3	5.9	9.8	3.8	3.1	2.5
15	4.9	4.5	30	3.5	2.7	7.9	6.0	5.1	16	3.2	2.7	2.1
16	5.0	4.4	16	3.6	2.5	8.3	6.8	5.1	11	2.9	2.5	1.8
17	9.9	4.4	11	4.5	3.2	7.2	6.3	5.0	29	2.6	2.1	1.6
18	12	4.4	8.5	4.1	37	8.2	5.7	190	120	2.6	1.9	1.5
19	8.4	4.9	6.7	3.8	37	11	5.4	871	71	2.5	1.9	1.5
20	6.8	5.0	5.5	3.4	21	12	4.9	135	41	4.5	1.8	1.5
21	6.6	4.9	4.5	2.9	13	11	5.0	60	100	8.3	1.7	1.5
22	6.6	5.1	3.7	3.5	10	9.8	4.3	34	130	6.4	1.7	1.5
23	6.2	8.2	3.3	3.9	8.4	8.8	6.3	22	79	5.4	1.8	2.2
24	6.3	9.4	3.0	3.6	7.3	7.9	129	15	44	3.8	2.2	4.5
25	6.2	7.5	2.8	3.1	8.5	7.8	101	23	31	2.9	3.4	9.1
26	6.5	5.8	2.6	2.7	374	7.4	59	34	24	2.4	3.2	6.0
27	6.9	4.0	2.6	2.6	233	7.0	38	3820	17	2.1	2.7	4.3
28	6.8	2.9	2.5	3.4	109	6.5	27	522	20	2.0	2.4	3.5
29	6.5	3.2	2.5	3.3	64	8.3	21	199	24	7.6	2.1	3.2
30	6.3	3.4	2.4	3.2	---	9.9	16	114	15	22	1.8	3.0
31	7.3	---	2.3	3.1	---	9.3	---	73	---	16	1.6	---
TOTAL	185.0	166.7	572.1	253.6	984.2	472.7	539.0	6342.8	968.2	220.9	101.0	74.4
MEAN	5.97	5.56	18.5	8.18	33.9	15.2	18.0	205	32.3	7.13	3.26	2.48
MAX	12	13	145	56	374	48	129	3820	130	22	10	9.1
MIN	2.0	2.9	2.3	2.2	2.5	6.5	4.3	5.0	6.3	2.0	1.6	1.3
AC-FT	367	331	1130	503	1950	938	1070	12580	1920	438	200	148
CFSM	.10	.10	.32	.14	.58	.26	.31	3.52	.56	.12	.06	.04
IN.	.12	.11	.37	.16	.63	.30	.35	4.06	.62	.14	.06	.05

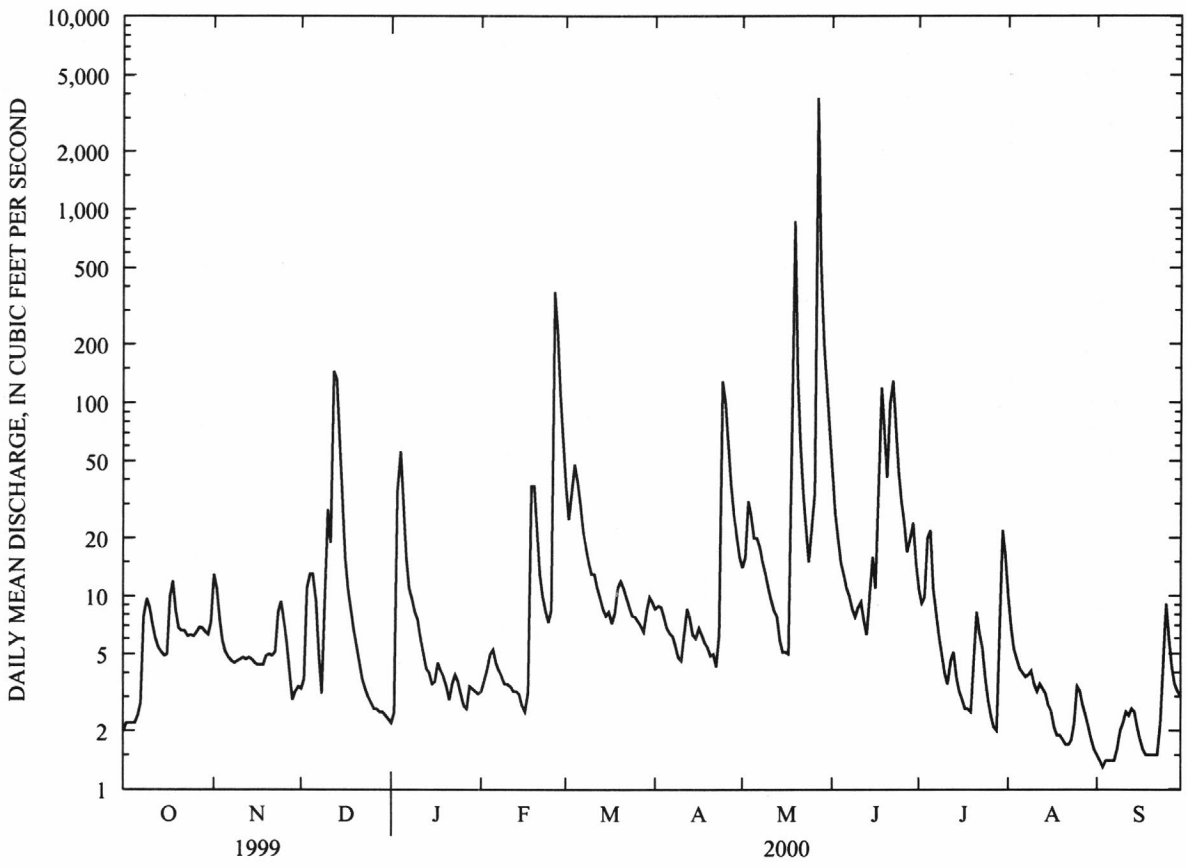
07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	17.4	48.5	70.1	43.2	62.4	94.2	106	70.6	22.9	10.1	6.30	11.4
MAX	99.3	232	501	171	295	296	493	230	102	32.8	16.6	56.7
(WY)	1974	1997	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	9735.1		10880.6			
ANNUAL MEAN	26.7		29.7		46.3	
HIGHEST ANNUAL MEAN					102	1973
LOWEST ANNUAL MEAN					15.8	1967
HIGHEST DAILY MEAN	458	Apr 15	3820	May 27	11500	Dec 3 1982
LOWEST DAILY MEAN	2.0	Sep 30	1.3	Sep 3	1.3	Sep 11 1995
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 29	1.4	Sep 1	1.4	Sep 1 2000
INSTANTANEOUS PEAK FLOW			[a]11300	May 27	[a]25200	Dec 3 1982
INSTANTANEOUS PEAK STAGE			14.52	May 27	20.60	Dec 3 1982
INSTANTANEOUS LOW FLOW			1.0	Sep 3	1.0	Sep 3 2000
ANNUAL RUNOFF (AC-FT)	19310		21580		33530	
ANNUAL RUNOFF (CFSM)	.46		.51		.80	
ANNUAL RUNOFF (INCHES)	6.23		6.97		10.83	
10 PERCENT EXCEEDS	69		34		87	
50 PERCENT EXCEEDS	8.0		6.2		12	
90 PERCENT EXCEEDS	3.5		2.2		4.0	

[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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
OCT												
20...	1230	80020	80513	7.3	750	84	8.3	8.2	285	14.9	140	2
NOV												
16...	1320	80020	80513	4.5	743	115	12.0	8.5	295	12.5	150	13
DEC												
20...	1240	80020	80513	5.6	748	102	12.2	8.4	265	6.7	130	4
JAN												
25...	1015	80020	80513	3.1	746	77	10.2	7.5	279	2.7	140	10
FEB												
23...	0915	80020	80513	8.7	740	92	10.1	7.7	269	10.3	130	--
MAR												
14...	1315	80020	80513	8.7	742	109	11.2	8.0	255	12.8	130	--
APR												
12...	0935	80020	80513	8.7	752	99	10.5	8.1	282	11.9	140	1
MAY												
09...	1155	80020	80513	12	736	83	7.3	8.1	279	20.1	140	--
JUN												
07...	1315	80020	80513	10	745	111	9.6	8.0	274	21.5	140	--
JUL												
05...	1140	80020	80513	21	741	106	8.4	7.8	277	25.5	140	10
AUG												
03...	1215	80020	80513	5.2	742	123	9.5	7.9	274	27.0	140	10
SEP												
06...	1100	80020	80513	1.4	745	69	5.9	7.3	282	21.9	140	17

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT												
20...	46	7.2	.95	.1	1.5	2	143	143	174	0	1.9	<.10
NOV												
16...	49	7.3	.85	.0	1.3	2	140	139	170	0	2.4	.11
DEC												
20...	43	6.1	.66	.0	1.3	2	129	128	156	0	2.3	<.10
JAN												
25...	47	6.7	.66	.0	1.3	2	137	135	164	0	2.1	<.10
FEB												
23...	43	6.1	.56	.0	1.2	2	133	133	163	0	1.6	<.10
MAR												
14...	41	6.0	.61	.0	1.1	2	127	128	156	0	1.9	<.10
APR												
12...	45	6.6	.69	.0	1.2	2	137	138	168	0	1.9	<.10
MAY												
09...	45	6.3	.71	.0	1.1	2	143	146	178	0	1.6	<.10
JUN												
07...	44	6.0	.88	.0	1.1	2	138	139	169	0	1.5	<.10
JUL												
05...	46	6.5	.75	.0	1.1	2	135	131	160	0	1.6	<.10
AUG												
03...	45	7.0	.77	.0	1.3	2	134	131	160	0	1.8	<.10
SEP												
06...	45	7.4	.85	.1	1.4	2	126	126	154	0	2.0	<.10

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT												
20...	8.1	4.1	<.020	.11	E.07	<.050	--	<.010	<.006	<.010	<.008	.22
NOV												
16...	7.6	3.8	<.020	E.10	<.10	<.050	--	<.010	<.006	<.010	<.008	.22
DEC												
20...	6.7	4.3	<.020	E.10	E.09	<.050	--	<.010	<.006	<.010	<.008	.20
JAN												
25...	6.2	5.3	<.020	<.10	E.05	<.050	--	<.010	<.006	<.010	<.008	.21
FEB												
23...	5.8	5.1	<.020	E.10	E.10	<.050	--	<.010	<.006	<.010	<.008	.21
MAR												
14...	5.8	5.8	<.020	E.10	E.06	<.050	--	<.010	<.006	<.010	<.008	.20
APR												
12...	6.6	5.2	<.020	E.10	E.07	<.050	--	<.010	<.006	<.010	<.008	.22
MAY												
09...	7.4	5.1	<.020	E.10	.10	.062	.16	<.010	<.006	<.010	<.008	.21
JUN												
07...	7.3	5.4	<.020	E.10	E.07	.076	--	<.010	<.006	<.010	<.008	.21
JUL												
05...	7.9	3.8	<.020	E.10	E.07	<.050	--	<.010	<.006	<.010	<.008	.22
AUG												
03...	8.3	3.3	<.020	E.10	E.08	<.050	--	<.010	<.006	<.010	<.008	.21
SEP												
06...	8.8	3.2	<.020	E.10	E.06	<.050	--	<.010	<.006	<.010	<.008	.22

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)
OCT												
20...	3.17	161	155	K5	22	K19	<10	E1.4	--	--	--	--
NOV												
16...	1.99	164	156	K10	K12	K13	<10	2.7	--	--	--	--
DEC												
20...	2.24	148	141	K4	K10	31	<10	3.1	--	--	--	--
JAN												
25...	1.31	156	150	K1	<1	K2	<10	E1.6	--	--	--	--
FEB												
23...	3.64	155	144	K8	K10	K16	<10	<2.2	--	--	--	--
MAR												
14...	3.48	148	139	K1	K1	K6	<10	E1.8	--	--	--	--
APR												
12...	3.73	159	150	22	33	48	<10	E1.8	<.0030	<.0020	<.002	<.0020
MAY												
09...	4.96	153	155	21	21	62	<10	2.3	<.0030	<.0020	<.002	<.0020
JUN												
07...	4.24	157	150	K2	K14	K16	<10	4.2	<.0030	<.0020	<.002	<.0020
JUL												
05...	9.07	160	146	K6	K11	43	<10	3.5	<.0030	<.0020	<.002	<.0020
AUG												
03...	2.19	156	146	K2	K7	K16	<10	4.4	<.0030	<.0020	<.002	<.0020
SEP												
06...	.62	163	145	K10	K9	120	E5.7	4.3	<.0030	<.0020	<.002	<.0020

DATE	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)
APR												
12...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	90.3	<.002	<.001
MAY												
09...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	107	<.002	<.001
JUN												
07...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	78.1	<.002	<.001
JUL												
05...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	96.2	<.002	<.001
AUG												
03...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	93.2	<.002	<.001
SEP												
06...	<.001	<.0020	<.0020	<.0030	<.0030	<.0040	<.0040	<.0020	<.0020	90.3	<.002	<.001

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	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)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)
APR												
12...	<.0170	<.0020	<.0040	<.0030	<.0030	80.3	<.004	<.0020	<.005	<.0010	<.0060	<.002
MAY												
09...	<.0170	<.0020	<.0040	<.0030	<.0030	81.3	<.004	<.0020	<.005	<.0010	<.0060	<.002
JUN												
07...	<.0170	<.0020	<.0040	<.0030	<.0030	78.8	<.004	<.0020	<.005	<.0010	<.0060	<.002
JUL												
05...	<.0170	<.0020	<.0040	<.0030	<.0030	71.9	<.004	<.0020	<.005	<.0010	<.0060	<.002
AUG												
03...	<.0170	<.0020	<.0040	<.0030	<.0030	97.8	<.004	<.0020	<.005	<.0010	<.0060	<.002
SEP												
06...	<.0170	<.0020	<.0040	<.0030	<.0030	79.3	<.004	<.0020	<.005	<.0010	<.0060	<.002

DATE	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	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)
APR												
12...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
MAY												
09...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUN												
07...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUL												
05...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
AUG												
03...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
SEP												
06...	<.004	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	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-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT												
20...	--	--	--	--	--	--	--	--	--	1.3	65	78
NOV												
16...	--	--	--	--	--	--	--	--	--	.89	73	95
DEC												
20...	--	--	--	--	--	--	--	--	--	.42	28	93
JAN												
25...	--	--	--	--	--	--	--	--	--	.23	28	77
FEB												
23...	--	--	--	--	--	--	--	--	--	.80	34	95
MAR												
14...	--	--	--	--	--	--	--	--	--	.47	20	71
APR												
12...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	.66	28	93
MAY												
09...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.5	47	97
JUN												
07...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.8	66	85
JUL												
05...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	1.2	22	90
AUG												
03...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	.84	60	71
SEP												
06...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	.20	52	94

07064000 BLACK RIVER NEAR CORNING

LOCATION.--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.--1,749 mi^2.

PERIOD OF RECORD.--Water years 1939-95, October 1998 to current year. Annual maximum water years 1996-98. Gage-height records collected January 1925 to December 1929 at site 7.0 mi downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft above sea level. Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft downstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft, from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	443	339	544	504	3800	1320	432	3780	1440	872	312
2	286	417	340	552	496	3430	1340	426	2780	1300	709	310
3	288	406	364	1540	498	3090	1310	435	1810	1300	570	299
4	300	408	389	3040	528	3010	1260	433	1020	1300	689	265
5	363	411	416	5370	565	3060	1200	446	734	1300	1010	248
6	418	446	444	6520	571	3120	1140	439	687	1280	944	234
7	444	465	442	5770	539	3040	1070	424	591	1100	742	239
8	482	422	397	4610	513	2810	1010	419	503	889	588	246
9	555	372	390	3540	501	2540	991	413	448	905	494	246
10	725	344	574	2750	496	2310	968	428	419	963	434	248
11	750	340	1020	2140	499	2100	925	436	382	885	402	251
12	604	369	1240	1660	507	1810	874	409	355	779	393	251
13	485	376	1730	1330	506	1530	837	391	353	698	382	239
14	422	347	2090	1130	545	1350	810	377	359	623	360	231
15	393	322	2210	1030	741	1250	789	367	359	549	338	237
16	381	312	2110	937	864	1270	779	362	331	495	325	256
17	382	306	1940	765	813	1230	808	352	337	483	325	249
18	394	305	1860	686	1290	1140	751	347	1030	469	321	225
19	452	317	1820	670	2630	1200	686	367	2220	461	321	208
20	490	329	1640	658	3720	1650	643	628	3050	460	317	201
21	506	335	1350	642	4250	2210	611	953	4060	474	311	194
22	534	339	1090	631	4140	2370	585	1110	4420	518	311	191
23	554	343	939	623	3540	2200	545	1030	4110	549	302	193
24	563	345	834	615	2830	1970	526	714	3440	521	291	203
25	570	346	751	607	2310	1810	516	641	2780	456	281	269
26	572	350	694	595	2150	1750	517	1670	2270	402	286	371
27	572	347	641	579	2490	1700	506	2660	1860	371	299	400
28	559	343	600	568	3340	1590	479	4060	1630	363	303	368
29	526	342	575	539	3880	1440	460	5830	1650	366	308	389
30	486	341	560	518	---	1300	445	5900	1610	529	321	386
31	456	---	549	513	---	1280	---	4860	---	835	329	---
TOTAL	14792	10888	30338	51672	46256	64360	24701	37759	49378	23063	13878	7959
MEAN	477	363	979	1667	1595	2076	823	1218	1646	744	448	265
MAX	750	465	2210	6520	4250	3800	1340	5900	4420	1440	1010	400
MIN	280	305	339	513	496	1140	445	347	331	363	281	191
AC-FT	29340	21600	60180	102500	91750	127700	48990	74890	97940	45750	27530	15790

07064000 BLACK RIVER NEAR CORNING--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948-95, 1999-00, BY WATER YEAR (WY)

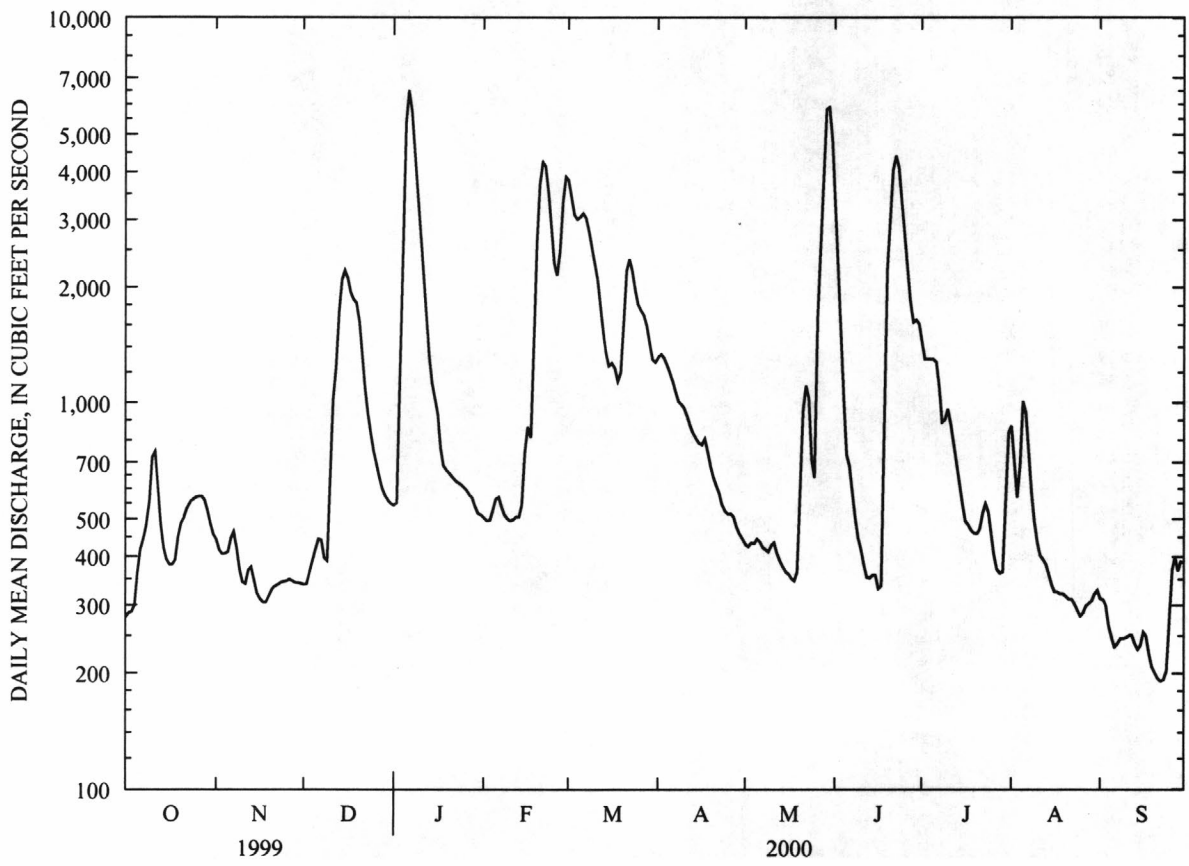
MEAN	764	1333	2091	2611	2644	3015	3243	2710	1555	1021	710	692
MAX	2868	5220	8417	8969	7490	7308	9125	7217	3891	3858	3266	2116
(WY)	1950	1973	1983	1950	1949	1975	1973	1961	1973	1957	1957	1957
MIN	269	340	356	319	459	753	783	691	431	358	278	252
(WY)	1957	1954	1956	1956	1963	1981	1981	1988	1988	1980	1954	1954

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948-95,1999-00	
ANNUAL TOTAL	675994		375044			
ANNUAL MEAN	1852		1025		[a]1871	
HIGHEST ANNUAL MEAN					4014	1973
LOWEST ANNUAL MEAN					662	1954
HIGHEST DAILY MEAN	12400	Jan 25	6520	Jan 6	32000	Mar 12 1964
LOWEST DAILY MEAN	256	Sep 10	191	Sep 22	191	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	266	Sep 6	202	Sep 18	202	Sep 18 2000
INSTANTANEOUS PEAK FLOW			6650	Jan 6	[b]32500	Mar 13 1964
INSTANTANEOUS PEAK STAGE			11.55	Jan 6	[c]15.23	Mar 13 1964
INSTANTANEOUS LOW FLOW			191	Sep 21	191	Sep 21 2000
ANNUAL RUNOFF (AC-FT)	1341000		743900		1355000	
10 PERCENT EXCEEDS	4400		2570		4120	
50 PERCENT EXCEEDS	822		550		1070	
90 PERCENT EXCEEDS	310		309		403	

[a]Prior to regulation, water years 1939-47, 1,741 ft^3/s

[b]Maximum discharge for period of record, 48,600 ft^3/s, June 13, 1945

[c]Maximum gage height for period of record, 16.92 ft^3/s, June 13, 1941



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.--Records good except estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	238	e223	229	222	350	e270	228	277	341	249	214
2	243	238	e223	228	223	341	e269	228	272	333	247	213
3	241	238	223	242	223	335	e267	226	267	329	245	212
4	239	237	223	265	222	344	e265	225	263	324	243	213
5	238	236	225	260	222	348	e264	223	258	319	241	212
6	238	235	225	255	221	344	e262	223	255	314	239	211
7	237	233	224	251	221	337	e261	223	250	310	238	210
8	238	233	223	248	221	335	e259	222	247	306	236	209
9	237	233	225	246	221	329	e258	222	244	302	237	207
10	249	232	233	244	221	320	e256	221	241	298	235	207
11	251	231	233	241	221	313	e255	220	240	295	234	208
12	249	230	251	240	221	307	e253	218	237	292	233	213
13	247	230	274	238	221	303	e252	218	235	288	231	218
14	244	228	271	236	220	298	e250	217	233	284	230	224
15	243	228	264	235	219	294	e249	216	233	283	229	226
16	240	228	258	234	218	289	e247	216	231	281	228	226
17	242	e228	253	233	221	e287	e246	216	293	278	228	227
18	238	e228	250	231	275	e285	e245	216	395	273	226	227
19	238	e228	247	230	289	e284	e244	225	398	267	226	226
20	237	e227	244	229	289	e284	e244	222	388	265	225	226
21	235	e226	242	228	282	e283	240	220	393	264	223	228
22	235	e226	240	228	277	e282	239	218	402	262	222	227
23	241	e226	238	226	270	e281	238	216	399	259	221	226
24	248	e225	236	226	266	e280	237	215	392	257	221	234
25	245	e225	234	225	261	e279	236	237	384	254	220	243
26	245	e225	233	223	307	e278	234	259	376	252	219	238
27	243	e225	232	223	359	e276	232	292	369	252	218	234
28	243	e224	233	223	361	e275	231	320	364	252	217	231
29	243	e224	231	223	358	e274	230	307	356	253	216	229
30	242	e224	230	223	---	e273	229	294	348	254	216	228
31	239	---	230	223	---	e271	---	284	---	252	215	---
TOTAL	7491	6889	7371	7286	7352	9379	7462	7287	9240	8793	7108	6647
MEAN	242	230	238	235	254	303	249	235	308	284	229	222
MAX	251	238	274	265	361	350	270	320	402	341	249	243
MIN	235	224	223	223	218	271	229	215	231	252	215	207
AC-FT	14860	13660	14620	14450	14580	18600	14800	14450	18330	17440	14100	13180

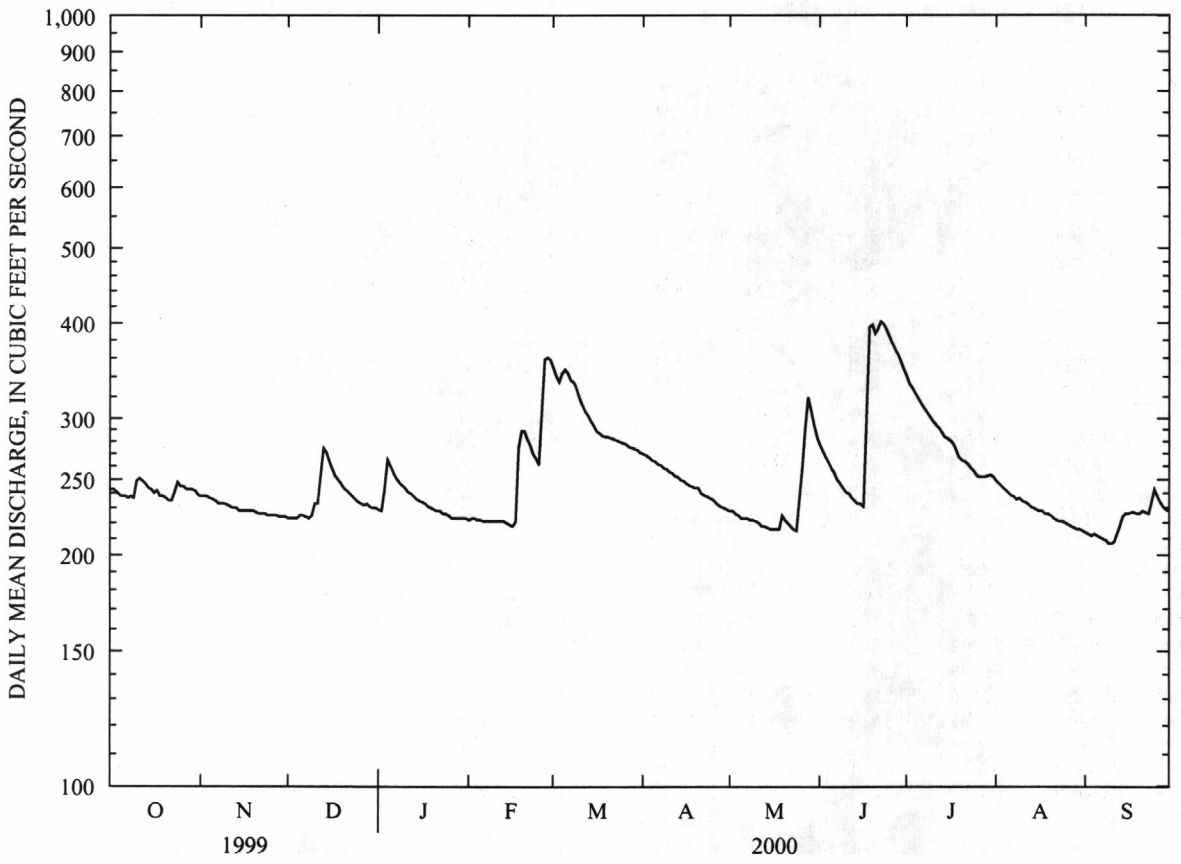
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2000, BY WATER YEAR (WY)

MEAN	277	310	359	375	397	411	440	430	393	340	302	278
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	254	205	220	235	253	236	221	205
(WY)	1982	1982	1982	1982	2000	1981	1981	2000	1981	1981	1981	1981

07069190 MAMMOTH SPRING AT MAMMOTH SPRING--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1981 - 2000	
ANNUAL TOTAL	116340		92305			
ANNUAL MEAN	319		252		364	
HIGHEST ANNUAL MEAN					453	1985
LOWEST ANNUAL MEAN					252	2000
HIGHEST DAILY MEAN	460	Apr 15	402	Jun 22	689	Apr 13 1991
LOWEST DAILY MEAN	223	Dec 1	207	Sep 9	182	Dec 18 1981
ANNUAL SEVEN-DAY MINIMUM	223	Nov 28	209	Sep 5	183	Dec 26 1981
INSTANTANEOUS PEAK FLOW			404	Jun 22	706	Apr 13 1991
INSTANTANEOUS PEAK STAGE			4.64	Jun 22	5.13	Apr 13 1991
INSTANTANEOUS LOW FLOW			207	Sep 8-11	[a]182	Dec 17 1981
ANNUAL RUNOFF (AC-FT)	230800		183100		263400	
10 PERCENT EXCEEDS	428		307		491	
50 PERCENT EXCEEDS	294		238		356	
90 PERCENT EXCEEDS	233		221		237	

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



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. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2340	2760	2580	3150	3470	14200	7160	3480	13000	6830	2860	2000
2	2330	2760	2570	3230	3430	13200	6910	3450	11100	6330	2900	1980
3	2320	2730	2630	15000	3390	11900	6620	3520	10500	5820	2870	1980
4	2320	2710	2690	15900	3370	11100	6330	3510	9340	5390	2820	1970
5	2320	2710	2830	14400	3350	10600	6070	3540	8520	5090	3350	1950
6	2270	2690	2870	13100	3330	10100	5820	3720	7760	4820	3560	1930
7	2250	2680	2870	12000	3330	9690	5630	3690	6970	4620	3310	1910
8	2470	2680	2890	10800	3320	9320	5430	3580	6160	4340	3280	1910
9	3160	2690	2930	9690	3310	8950	5260	3530	5290	4040	2900	1920
10	3470	2690	3750	9090	3300	8610	5080	3630	4440	3800	2630	1940
11	3350	2670	4270	8830	3290	8320	4970	3540	3810	3570	2420	1960
12	3140	2650	5630	8640	3300	8070	4930	3440	3420	3390	2260	1960
13	2970	2630	7970	8360	3320	7810	4760	3390	3160	3290	2190	1960
14	2840	2620	7970	7930	3330	7560	4630	3300	3010	3150	2160	1940
15	2720	2610	7410	7440	3330	7280	4530	3230	3080	3000	2170	1920
16	2620	2610	6580	6820	3340	7240	4440	3200	3040	2880	2130	1890
17	2680	2590	5870	6150	3420	7310	4410	3150	2930	2780	2090	1870
18	2780	2580	5380	5540	4470	7190	4530	3160	4600	2700	2070	1860
19	2720	2570	5080	4980	7110	7990	4440	3910	7570	2700	2050	1860
20	2650	2570	4890	4550	8860	8870	4270	4080	7110	2700	2050	1840
21	2620	2570	4730	4230	9640	8870	4100	3760	7240	2950	2040	1820
22	2620	2580	4600	4090	9490	8500	3960	3550	8490	3070	2040	1810
23	2620	2600	4460	4100	8730	8100	3870	3530	8620	3000	2030	1810
24	2630	2630	4290	3980	7960	7710	4020	3550	7990	2870	2150	1870
25	2630	2620	4090	3860	7570	7360	4020	3790	7380	2750	2130	1960
26	2640	2630	3870	3760	9460	7090	3890	4980	6950	2610	2110	2010
27	2660	2630	3690	3660	16400	6890	3770	14600	6940	2470	2150	2060
28	2670	2610	3530	3630	16200	6690	3670	23000	7050	2330	2120	2070
29	2680	2600	3400	3610	15200	6580	3600	20200	7370	2330	2080	2070
30	2680	2590	3280	3570	---	7140	3540	17800	7280	2550	2050	2030
31	2670	---	3210	3520	---	7310	---	15400	---	2750	2020	---
TOTAL	82840	79260	132810	217610	178020	267550	144660	184210	200120	110920	74990	58060
MEAN	2672	2642	4284	7020	6139	8631	4822	5942	6671	3578	2419	1935
MAX	3470	2760	7970	15900	16400	14200	7160	23000	13000	6830	3560	2070
MIN	2250	2570	2570	3150	3290	6580	3540	3150	2930	2330	2020	1810
AC-FT	164300	157200	263400	431600	353100	530700	286900	365400	396900	220000	148700	115200

07072500 BLACK RIVER AT BLACK ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2000, BY WATER YEAR (WY)

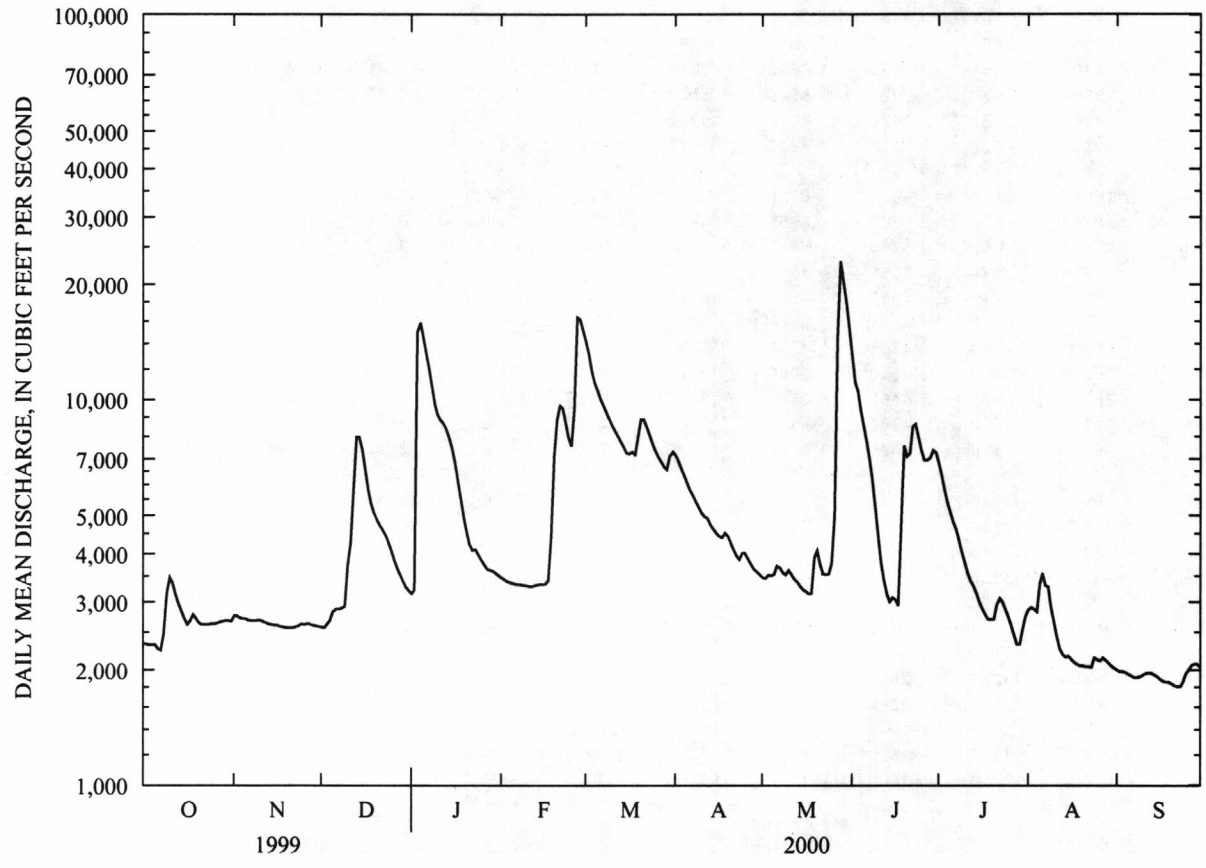
MEAN	4003	6665	9374	10700	11410	13700	15580	13410	7713	5195	4044	3799
MAX	11570	23020	44020	40410	36240	30410	42280	36370	18890	17630	9130	7630
(WY)	1985	1973	1983	1950	1989	1979	1973	1961	1957	1951	1998	1975
MIN	1797	1984	2042	1998	2650	3784	3721	4862	3296	2455	2028	1853
(WY)	1957	1957	1956	1956	1963	1981	1981	1987	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1948 - 2000	
ANNUAL TOTAL	2608750		1731050			
ANNUAL MEAN	7147		4730		[a]8783	
HIGHEST ANNUAL MEAN					17330	1973
LOWEST ANNUAL MEAN					3552	1954
HIGHEST DAILY MEAN	24500	Apr 16	23000	May 28	123000	Dec 5 1982
LOWEST DAILY MEAN	2250	Oct 7	1810	Sep 22	1730	Sep 18 1956
ANNUAL SEVEN-DAY MINIMUM	2310	Oct 1	1840	Sep 17	1730	Sep 22 1956
INSTANTANEOUS PEAK FLOW			24100	May 28	[b]190000	Dec 4 1982
INSTANTANEOUS PEAK STAGE			18.94	May 28	[c]31.51	Dec 4 1982
ANNUAL RUNOFF (AC-FT)	5174000		3434000		6363000	
10 PERCENT EXCEEDS	16700		8760		18900	
50 PERCENT EXCEEDS	4350		3440		5750	
90 PERCENT EXCEEDS	2460		2070		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



07074420 BLACK RIVER AT ELGIN FERRY

LOCATION.--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 1,800 ft upstream from State Highway 37 bridge at Elgin Ferry.

DRAINAGE AREA.--8,418 mi².

PERIOD OF RECORD.--January 1999 to current year. Annual maximum stage water years 1979-98.

GAGE.--Water-stage recorder.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 4, 1982, reached a stage of 27.7 ft, from floodmarks, discharge unknown.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

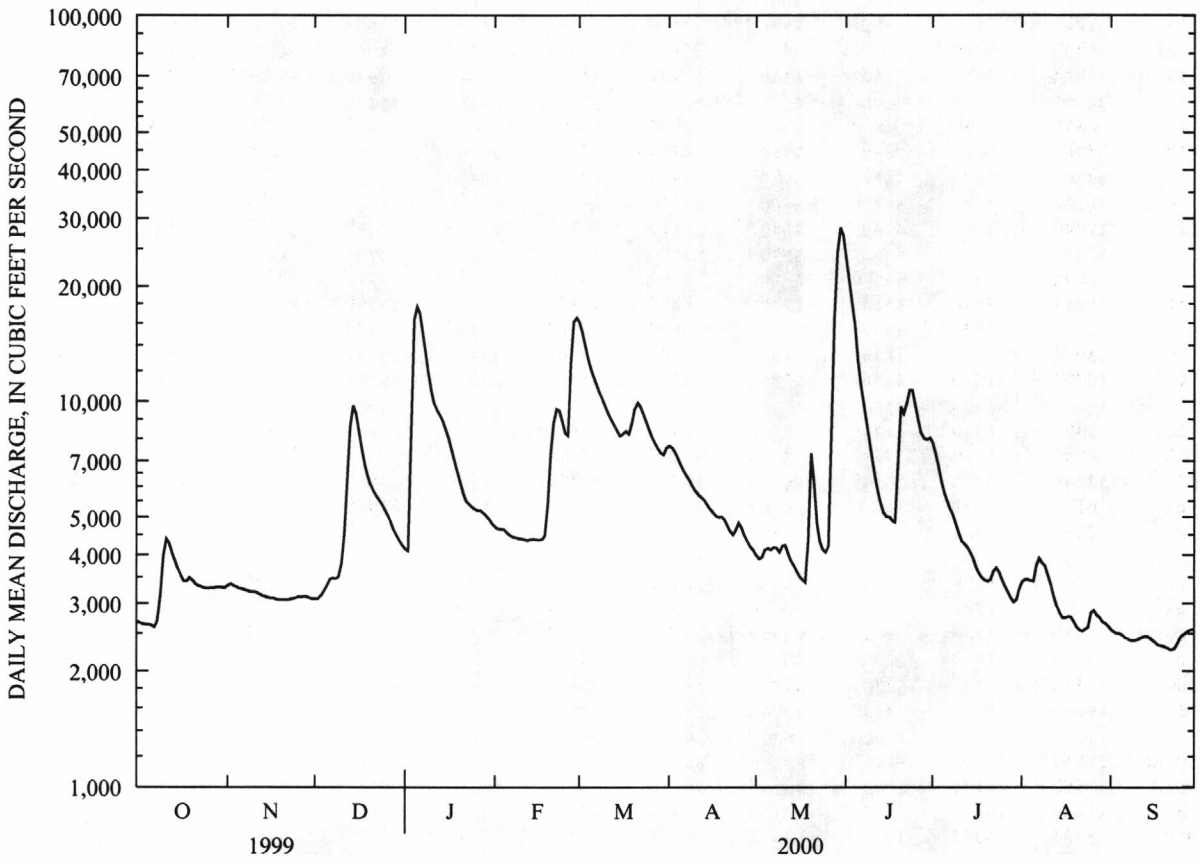
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2690	3340	3080	4140	4730	16100	7670	3990	23800	7810	3400	2560
2	2670	3370	3080	4090	4670	15100	7590	3910	20900	7320	3450	2530
3	2650	3340	3140	9490	4660	14000	7370	3950	18300	6770	3460	2500
4	2640	3310	3220	16400	4650	12900	7100	4130	15900	6200	3430	2500
5	2640	3280	3330	17700	4560	12100	6830	4160	12900	5790	3420	2480
6	2630	3270	3460	17000	4500	11500	6580	4120	11100	5510	3740	2440
7	2600	3250	3480	15200	4450	11000	6390	4190	10000	5250	3920	2420
8	2700	3230	3470	13400	4430	10500	6220	4170	9010	5060	3810	2400
9	3160	3210	3510	11800	4410	10100	6020	4070	8080	4810	3750	2400
10	3980	3210	3790	10600	4400	9670	5850	4220	7190	4560	3530	2410
11	4400	3200	4540	9850	4380	9300	5720	4240	6410	4350	3350	2430
12	4280	3170	6130	9470	4360	8980	5650	4030	5850	4260	3120	2450
13	4040	3140	8630	9200	4380	8690	5550	3860	5440	4170	2950	2460
14	3850	3120	9760	8870	4390	8410	5400	3750	5130	4040	2840	2450
15	3680	3100	9330	8450	4380	8140	5260	3630	5010	3900	2750	2420
16	3540	3090	8450	8000	4370	8240	5140	3520	5000	3710	2750	2390
17	3420	3090	7580	7520	4390	8380	5040	3460	4900	3580	2770	2350
18	3420	3070	6890	7020	4500	8230	4990	3400	4850	3490	2760	2330
19	3490	3060	6410	6550	5410	8770	5010	4390	6590	3440	2690	2320
20	3440	3060	6070	6130	7320	9590	4930	7330	9710	3420	2600	2310
21	3370	3060	5850	5770	8840	9920	4770	6140	9320	3460	2560	2290
22	3330	3060	5680	5510	9560	9710	4610	4850	9860	3630	2540	2270
23	3310	3080	5540	5400	9470	9300	4510	4340	10700	3700	2570	2280
24	3290	3090	5390	5320	8900	8870	4640	4140	10700	3610	2600	2350
25	3280	3110	5220	5250	8310	8460	4830	4070	9810	3450	2830	2430
26	3290	3110	5040	5200	8160	8080	4700	4220	8980	3320	2870	2480
27	3290	3120	4850	5200	12600	7790	4490	7130	8300	3210	2800	2510
28	3300	3120	4640	5120	16200	7550	4330	16500	8010	3100	2760	2540
29	3300	3100	4480	5030	16600	7360	4200	24600	7980	3020	2690	2560
30	3300	3080	4350	4930	---	7280	4100	28400	8040	3070	2660	2560
31	3290	---	4230	4810	---	7570	---	27200	---	3260	2620	---
TOTAL	102270	94840	162620	258420	191980	301590	165490	214110	287770	134270	93990	72820
MEAN	3299	3161	5246	8336	6620	9729	5516	6907	9592	4331	3032	2427
MAX	4400	3370	9760	17700	16600	16100	7670	28400	23800	7810	3920	2560
MIN	2600	3060	3080	4090	4360	7280	4100	3400	4850	3020	2540	2270
AC-FT	202900	188100	322600	512600	380800	598200	328200	424700	570800	266300	186400	144400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	3299	3161	5246	8336	11570	11400	13400	8707	7495	4243	3121	2614
MAX	3299	3161	5246	8336	16700	13070	21290	10510	9592	4331	3209	2801
(WY)	2000	2000	2000	2000	1999	1999	1999	1999	2000	2000	1999	1999
MIN	3299	3161	5246	8336	6620	9729	5516	6907	5398	4155	3032	2427
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999	2000	2000

07074420 BLACK RIVER AT ELGIN FERRY--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	2080170			
ANNUAL MEAN	5684		5684	
HIGHEST ANNUAL MEAN			5684	2000
LOWEST ANNUAL MEAN			5684	2000
HIGHEST DAILY MEAN	28400	May 30	28400	May 30 2000
LOWEST DAILY MEAN	2270	Sep 22	2270	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	2310	Sep 17	2310	Sep 17 2000
INSTANTANEOUS PEAK FLOW	28800	May 30	28800	May 30 2000
INSTANTANEOUS PEAK STAGE	22.04	May 30	22.04	May 30 2000
INSTANTANEOUS LOW FLOW	2260	Sep 22,23	2260	Sep 22 2000
ANNUAL RUNOFF (AC-FT)	4126000		4117000	
10 PERCENT EXCEEDS	9780		16600	
50 PERCENT EXCEEDS	4380		4860	
90 PERCENT EXCEEDS	2610		2770	



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 mi².

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. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8650	8380	4570	5770	7320	23000	12700	5580	39200	13200	7780	10900
2	6120	6070	6300	5650	9630	21800	12400	5340	35400	13800	9290	11600
3	5260	5860	7630	9240	14100	20500	11100	5910	31400	13700	11100	10200
4	4920	8940	7450	19700	14900	19900	10300	6880	27400	12700	12200	10300
5	4900	10200	6310	20900	12700	18700	10100	6750	23200	15100	12300	8880
6	5430	10400	6700	21100	12100	17200	10500	6840	19400	15300	13400	6990
7	6380	9290	7420	21100	9330	16300	10600	6620	16500	15700	13300	5450
8	5960	7830	10500	20600	8170	16400	9550	6600	14200	16200	13100	5700
9	6590	6020	9920	18600	7420	15700	9910	6730	12500	15100	14000	6510
10	9140	5410	7420	16300	7430	14700	9110	9910	11000	12900	14500	6710
11	8800	5750	6940	14100	7080	14000	8330	10300	9700	12700	15400	6870
12	7360	5590	8890	12800	6780	13700	9250	7660	8680	17300	14100	8380
13	10900	5190	13700	12500	7430	13400	8950	6500	7860	17900	13000	10000
14	12200	5310	16500	12000	7310	12200	8400	5930	7370	16400	12700	8110
15	10900	5970	20600	11800	6160	12300	7770	5540	7760	15500	10800	5870
16	9190	4950	18500	12500	6290	12100	7170	5220	8240	13500	12300	6620
17	8050	4390	16100	11400	6320	13100	7030	5010	7580	11300	14300	6200
18	7770	4670	15100	9660	6680	13700	6760	4900	9060	10300	15100	4300
19	6020	6120	13500	8610	8000	13900	7530	4960	17200	8670	14200	4230
20	5700	7320	11300	10800	9410	14700	8790	9950	29200	7190	10500	5440
21	7900	5810	9750	8920	11800	15000	7240	10000	24200	9320	7320	4610
22	8030	5190	9220	4450	12000	16000	6320	8170	22600	9630	8170	5240
23	8040	4830	10800	4180	11900	16300	5880	7010	24600	9530	10500	4100
24	6600	4850	10200	6560	11300	15200	6610	6400	27500	8090	10500	4170
25	6350	4750	9710	7810	10600	14300	7890	6060	24400	5970	11300	5630
26	6010	5370	8200	10200	10300	13700	7580	6300	21200	6000	11900	4680
27	6590	6040	7010	15300	15500	12700	6900	9450	18100	6610	11100	3830
28	8680	5380	6420	14900	20700	11800	6510	35700	15800	7340	11000	3840
29	8570	4860	6140	14300	22300	12000	6170	44200	14500	9400	10400	3580
30	10500	4540	6270	12200	---	12100	5860	45800	13600	9700	12100	3610
31	10000	---	6150	9050	---	12600	---	42600	---	8850	11900	---
TOTAL	237510	185280	305220	383000	300960	469000	253210	354820	549350	364900	369560	192550
MEAN	7662	6176	9846	12350	10380	15130	8440	11450	18310	11770	11920	6418
MAX	12200	10400	20600	21100	22300	23000	12700	45800	39200	17900	15400	11600
MIN	4900	4390	4570	4180	6160	11800	5860	4900	7370	5970	7320	3580
AC-FT	471100	367500	605400	759700	597000	930300	502200	703800	1090000	723800	733000	381900

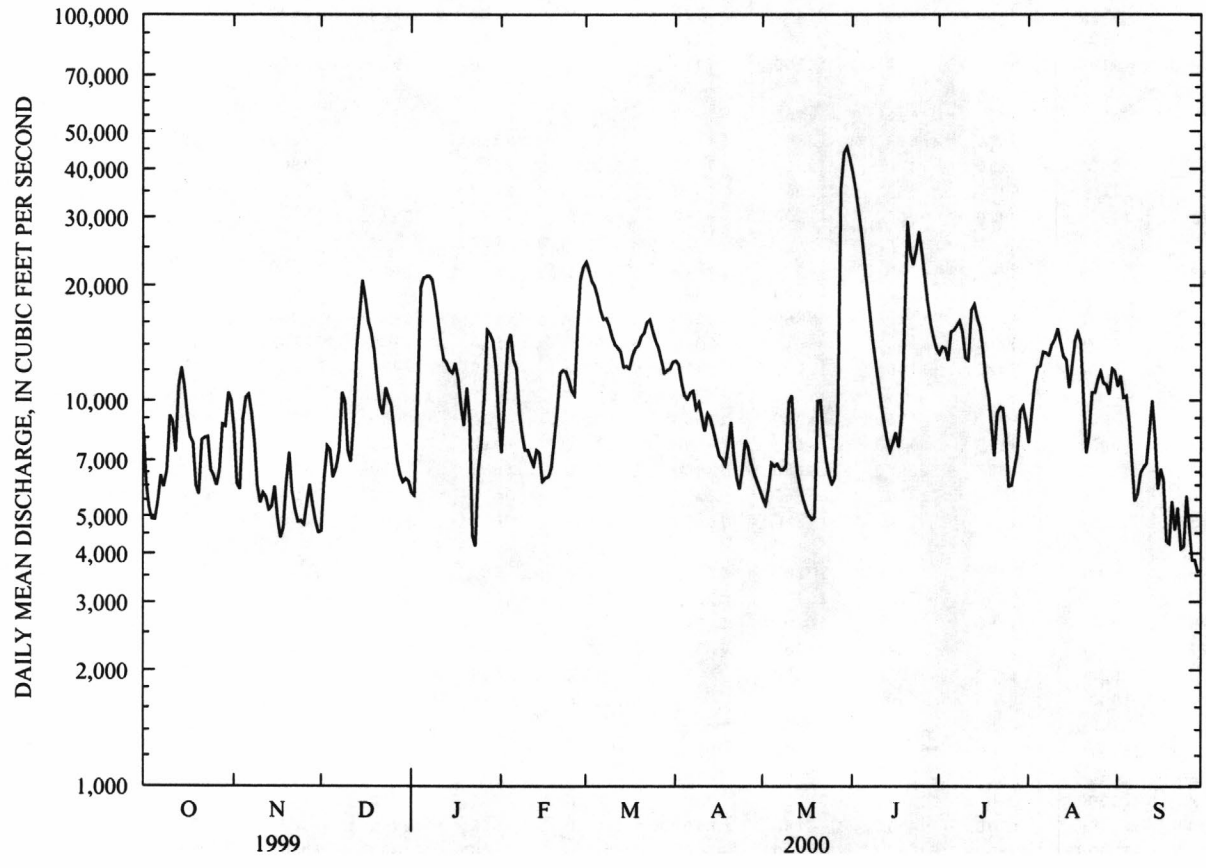
07074500 WHITE RIVER AT NEWPORT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	10480	15540	23060	26210	28730	34500	38300	34290	22180	16480	13090	10840
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	6985820		3965360			
ANNUAL MEAN	19140		10830		[a]22780	
HIGHEST ANNUAL MEAN					46320	1945
LOWEST ANNUAL MEAN					8073	1981
HIGHEST DAILY MEAN	49100	Apr 13	45800	May 30	340000	Apr 18 1945
LOWEST DAILY MEAN	4390	Nov 17	3580	Sep 29	2870	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	5070	Nov 25	4190	Sep 24	2960	Sep 24 1954
INSTANTANEOUS PEAK FLOW			46700	May 30	343000	Apr 17 1945
INSTANTANEOUS PEAK STAGE			20.40	May 30	[b]35.19	Apr 18 1945
INSTANTANEOUS LOW FLOW			3460	Sep 30	2870	Sep 27-30 1954
ANNUAL RUNOFF (AC-FT)	13860000		7865000		16500000	
10 PERCENT EXCEEDS	34800		17200		48000	
50 PERCENT EXCEEDS	16900		9360		15700	
90 PERCENT EXCEEDS	6090		5420		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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT											
05...	1041	80513	80513	768	85	7.5	7.1	41	22.2	5.40	.00
05...	1042	80513	80513	768	88	7.7	7.2	41	22.2	--	10.0
05...	1043	80513	80513	768	89	7.8	7.2	41	22.2	--	20.0
05...	1044	80513	80513	768	86	7.5	7.2	41	22.2	--	30.0
05...	1046	80513	80513	768	69	6.2	6.6	40	20.8	--	39.0
05...	1047	80513	80513	768	65	5.9	6.5	40	20.1	--	40.0
05...	1048	80513	80513	768	62	5.8	6.4	39	19.1	--	41.0
05...	1049	80513	80513	768	59	5.6	6.3	39	18.1	--	42.0
05...	1050	80513	80513	768	56	5.4	6.3	39	17.5	--	43.0
05...	1051	80513	80513	768	55	5.4	6.3	39	16.9	--	44.0
05...	1052	80513	80513	768	54	5.4	6.2	39	15.8	--	47.0
05...	1054	80513	80513	768	49	4.9	6.2	39	15.0	--	50.0
05...	1055	80513	80513	768	47	4.8	6.1	39	14.2	--	55.0
05...	1056	80513	80513	768	46	4.8	6.1	40	13.5	--	60.0
05...	1057	80513	80513	768	45	4.8	6.1	40	12.3	--	70.0
05...	1058	80513	80513	768	45	5.0	6.1	40	11.2	--	80.0
05...	1059	80513	80513	768	48	5.4	6.1	40	10.5	--	90.0
05...	1100	80513	80513	768	49	5.6	6.1	41	10.0	--	100
05...	1101	80513	80513	768	49	5.7	6.1	41	9.5	--	110
05...	1102	80513	80513	768	46	5.3	6.1	41	9.3	--	120
05...	1103	80513	80513	768	39	4.5	6.0	42	9.1	--	130
05...	1104	80513	80513	768	34	3.9	6.0	42	9.1	--	140
05...	1105	80513	80513	768	31	3.6	6.0	43	9.0	--	150
NOV											
02...	1123	80513	80513	763	93	8.7	7.0	41	18.5	5.60	.00
02...	1124	80513	80513	763	90	8.4	7.0	41	18.5	--	10.0
02...	1125	80513	80513	763	92	8.6	7.0	41	18.5	--	20.0
02...	1126	80513	80513	763	91	8.5	7.0	41	18.5	--	30.0
02...	1127	80513	80513	763	91	8.5	7.0	41	18.5	--	40.0
02...	1128	80513	80513	763	89	8.4	7.0	41	18.5	--	50.0
02...	1131	80513	80513	763	84	7.9	6.8	41	18.4	--	53.0
02...	1132	80513	80513	763	51	4.9	6.4	40	17.0	--	54.0
02...	1133	80513	80513	763	39	3.9	6.2	40	15.7	--	55.0
02...	1134	80513	80513	763	37	3.7	6.1	40	15.0	--	56.0
02...	1135	80513	80513	763	37	3.8	6.1	40	14.1	--	60.0
02...	1136	80513	80513	763	35	3.7	6.0	40	13.2	--	65.0
02...	1137	80513	80513	763	36	3.9	6.0	41	12.4	--	70.0
02...	1138	80513	80513	763	39	4.3	6.0	41	11.4	--	80.0
02...	1139	80513	80513	763	43	4.8	6.0	41	10.6	--	90.0
02...	1140	80513	80513	763	44	5.0	6.0	41	9.9	--	100
02...	1141	80513	80513	763	40	4.6	6.0	42	9.6	--	110
02...	1142	80513	80513	763	37	4.2	6.0	42	9.4	--	120
02...	1143	80513	80513	763	25	2.9	5.9	43	9.2	--	130
02...	1144	80513	80513	763	19	2.2	5.9	44	9.1	--	140
02...	1145	80513	80513	763	18	2.1	5.9	44	9.1	--	148
30...	1033	80513	80513	774	90	9.2	7.0	40	15.0	7.20	.00
30...	1034	80513	80513	774	78	8.0	6.9	39	15.1	--	10.0
30...	1035	80513	80513	774	78	7.9	6.9	39	15.2	--	20.0
30...	1036	80513	80513	774	79	8.1	6.9	39	15.1	--	30.0
30...	1037	80513	80513	774	80	8.1	6.9	40	15.2	--	40.0
30...	1038	80513	80513	774	80	8.2	6.9	39	15.2	--	50.0
30...	1041	80513	80513	774	43	4.5	6.4	40	14.5	--	56.0
30...	1042	80513	80513	774	37	4.0	6.2	40	13.2	--	60.0
30...	1043	80513	80513	774	32	3.5	6.2	40	11.9	--	70.0
30...	1044	80513	80513	774	35	3.9	6.2	40	10.9	--	80.0
30...	1045	80513	80513	774	38	4.3	6.2	40	10.3	--	90.0
30...	1046	80513	80513	774	38	4.4	6.2	40	9.9	--	100
30...	1047	80513	80513	774	39	4.5	6.1	41	9.5	--	110
30...	1048	80513	80513	774	27	3.2	6.1	42	9.4	--	120
30...	1049	80513	80513	774	21	2.5	6.1	42	9.2	--	130
30...	1050	80513	80513	774	22	2.5	6.0	42	9.2	--	140
30...	1051	80513	80513	774	19	2.3	6.0	43	9.1	--	144

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
MAR											
22...	1201	80513	80513	765	101	10.9	7.5	41	12.3	10.1	.00
22...	1202	80513	80513	765	99	10.8	7.5	41	11.6	--	10.0
22...	1203	80513	80513	765	98	10.8	7.5	41	11.3	--	20.0
22...	1204	80513	80513	765	97	10.7	7.5	41	11.2	--	30.0
22...	1205	80513	80513	765	96	10.6	7.4	41	11.1	--	40.0
22...	1206	80513	80513	765	92	10.3	7.3	41	10.4	--	50.0
22...	1207	80513	80513	765	87	9.9	7.3	41	9.7	--	60.0
22...	1208	80513	80513	765	83	9.6	7.2	41	9.3	--	70.0
22...	1209	80513	80513	765	79	9.2	7.2	41	8.9	--	80.0
22...	1210	80513	80513	765	77	9.0	7.1	41	8.5	--	90.0
22...	1211	80513	80513	765	76	8.9	7.1	41	8.3	--	100
22...	1212	80513	80513	765	75	8.9	7.1	41	8.1	--	110
22...	1213	80513	80513	765	75	8.8	7.0	41	8.1	--	120
22...	1214	80513	80513	765	74	8.8	6.9	41	8.1	--	130
22...	1215	80513	80513	765	74	8.8	6.9	41	8.1	--	140
22...	1216	80513	80513	765	73	8.7	6.9	41	8.1	--	150
AUG											
14...	0927	80513	80513	760	99	7.5	6.3	43	29.6	7.50	.00
14...	0929	80513	80513	760	99	7.5	6.4	43	29.6	--	10.0
14...	0932	80513	80513	760	102	7.8	6.5	42	29.0	--	20.0
14...	0934	80513	80513	760	105	8.1	6.6	42	28.3	--	23.0
14...	0936	80513	80513	760	109	8.6	6.6	42	27.3	--	26.0
14...	0938	80513	80513	760	112	9.0	6.8	42	26.5	--	29.0
14...	0940	80513	80513	760	111	8.9	6.8	41	26.3	--	30.0
14...	0943	80513	80513	760	111	9.1	6.8	41	25.2	--	33.0
14...	0945	80513	80513	760	106	8.9	6.8	41	24.1	--	35.0
14...	0947	80513	80513	760	102	8.7	6.7	41	23.2	--	37.0
14...	0949	80513	80513	760	92	8.1	6.6	41	21.6	--	39.0
14...	0951	80513	80513	760	90	8.1	6.6	40	20.9	--	40.0
14...	0953	80513	80513	760	84	7.6	6.5	40	20.2	--	42.0
14...	0954	80513	80513	760	80	7.5	6.5	39	18.9	--	44.0
14...	0957	80513	80513	760	72	6.8	6.4	40	17.7	--	47.0
14...	0959	80513	80513	760	69	6.7	6.3	40	16.8	--	50.0
14...	1001	80513	80513	760	63	6.3	6.3	40	15.5	--	54.0
14...	1002	80513	80513	760	59	6.0	6.3	40	14.5	--	60.0
14...	1004	80513	80513	760	58	6.1	6.3	40	12.9	--	70.0
14...	1006	80513	80513	760	57	6.2	6.3	40	11.9	--	77.0
14...	1007	80513	80513	760	57	6.2	6.3	40	11.5	--	80.0
14...	1009	80513	80513	760	56	6.2	6.2	41	10.4	--	90.0
14...	1010	80513	80513	760	54	6.1	6.3	41	10.0	--	100
14...	1012	80513	80513	760	51	5.8	6.2	41	9.5	--	110
14...	1014	80513	80513	760	46	5.2	6.2	41	9.3	--	120
14...	1016	80513	80513	760	43	4.9	6.2	42	9.1	--	130
14...	1018	80513	80513	760	40	4.7	6.1	42	9.0	--	140
14...	1020	80513	80513	760	39	4.5	6.1	42	8.9	--	150
SEP											
13...	1530	80513	80513	759	121	9.4	6.8	44	28.5	4.90	.00
13...	1531	80513	80513	759	121	9.4	7.0	44	27.8	--	10.0
13...	1532	80513	80513	759	119	9.3	6.9	44	27.6	--	20.0
13...	1533	80513	80513	759	117	9.2	6.8	44	27.4	--	30.0
13...	1534	80513	80513	759	137	11.0	7.0	42	26.4	--	35.0
13...	1535	80513	80513	759	135	11.0	7.0	42	25.5	--	37.0
13...	1536	80513	80513	759	117	9.8	6.9	41	24.0	--	39.0
13...	1537	80513	80513	759	107	9.1	6.8	41	23.2	--	40.0
13...	1538	80513	80513	759	93	8.1	6.7	40	22.0	--	42.0
13...	1539	80513	80513	759	87	7.7	6.7	41	21.1	--	44.0
13...	1540	80513	80513	759	80	7.2	6.6	40	19.8	--	47.0
13...	1541	80513	80513	759	78	7.2	6.6	40	19.0	--	50.0
13...	1542	80513	80513	759	65	6.2	6.5	40	17.7	--	55.0
13...	1543	80513	80513	759	64	6.2	6.5	40	17.0	--	58.0
13...	1544	80513	80513	759	61	5.9	6.4	40	16.3	--	60.0
13...	1545	80513	80513	759	59	5.9	6.5	40	15.4	--	65.0
13...	1546	80513	80513	759	58	5.9	6.4	41	14.4	--	70.0
13...	1547	80513	80513	759	58	6.1	6.4	41	13.5	--	75.0
13...	1548	80513	80513	759	58	6.1	6.4	41	12.8	--	80.0
13...	1549	80513	80513	759	58	6.2	6.4	41	11.9	--	90.0
13...	1550	80513	80513	759	55	6.1	6.5	42	10.6	--	100
13...	1551	80513	80513	759	51	5.7	6.5	42	10.0	--	110
13...	1552	80513	80513	759	44	5.0	6.4	42	9.5	--	120
13...	1553	80513	80513	759	37	4.2	6.4	43	9.2	--	130
13...	1554	80513	80513	759	33	3.8	6.3	43	9.2	--	140
13...	1555	80513	80513	759	33	3.8	6.2	43	9.1	--	141

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 mi².

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

PERIOD OF DAILY RECORD.--

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

DISSOLVED OXYGEN: May 1991 to current year.

REMARKS.--Flow regulated by Greers Ferry Lake. Dissolved oxygen and water temperature collected June through December.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT									
05...	1128	80513	80513	766	103	10.7	7.0	41	13.6
NOV									
02...	1211	80513	80513	763	85	9.1	6.3	44	12.6
30...	1115	80513	80513	778	95	10.6	6.8	42	11.3
MAR									
22...	1142	80513	80513	770	94	10.9	7.7	42	9.6

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
14...	1046	80513	80513	765	107	11.4	7.3
14...	1140	80513	80513	765	72	8.1	7.7
14...	1141	80513	80513	765	72	8.1	7.4
14...	1143	80513	80513	765	72	8.1	7.1
14...	1144	80513	80513	765	72	8.2	6.9
14...	1146	80513	80513	746	74	8.2	6.7
14...	1147	80513	80513	746	74	8.2	6.6

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG						
14...	42	12.9	--	--	--	--
14...	41	10.4	7.80	200	16.0	3.90
14...	41	10.2	5.20	200	49.0	2.60
14...	41	10.2	3.80	200	82.0	1.90
14...	41	10.1	10.4	200	115.0	5.20
14...	41	10.1	10.4	200	148.0	5.20
14...	41	10.1	6.00	200	181.0	3.00

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP									
13...	1516	80513	80513	764	60	6.5	7.9	42	11.6

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.2	7.7	8.2	7.9	4.3	5.9	7.0	6.0	6.4	---	---	---
2	8.9	7.7	8.2	8.8	4.7	7.3	6.8	5.7	6.1	---	---	---
3	9.2	7.3	8.0	8.0	6.3	7.2	7.3	6.0	6.7	---	---	---
4	9.6	6.7	8.1	7.8	4.3	6.8	7.2	5.6	6.4	---	---	---
5	8.8	7.4	8.1	6.6	5.9	6.2	6.8	5.6	6.3	---	---	---
6	8.8	7.0	7.8	6.7	5.8	6.1	8.1	6.3	7.0	---	---	---
7	8.5	6.1	7.2	6.5	5.6	6.0	8.3	6.2	7.0	---	---	---
8	8.6	6.6	7.1	6.4	5.5	5.9	7.9	5.5	6.7	---	---	---
9	7.9	6.5	7.1	6.6	5.6	6.0	6.4	5.7	6.0	---	---	---
10	9.1	6.4	7.3	6.4	5.6	5.9	7.2	6.2	6.6	---	---	---
11	9.2	6.8	7.6	6.5	5.5	5.9	7.8	5.8	6.3	---	---	---
12	8.7	6.9	7.5	6.5	5.5	6.0	7.9	6.4	7.2	---	---	---
13	8.4	6.9	7.4	6.4	5.4	5.8	9.3	6.2	7.2	---	---	---
14	7.4	5.2	6.8	6.4	5.4	5.8	7.5	6.1	6.6	---	---	---
15	8.5	6.5	7.1	6.6	5.6	5.9	8.8	6.2	7.6	---	---	---
16	8.3	6.5	7.1	6.4	5.5	5.9	7.3	6.2	6.8	---	---	---
17	7.5	6.5	6.9	6.9	5.6	6.1	7.2	6.2	6.7	---	---	---
18	7.3	6.5	6.9	7.2	5.7	6.2	7.5	6.0	6.7	---	---	---
19	7.7	5.2	6.9	6.3	5.4	5.9	7.5	6.1	6.7	---	---	---
20	8.1	5.1	7.1	6.9	5.7	6.2	9.1	6.0	7.5	---	---	---
21	8.2	5.3	7.2	7.1	5.6	6.2	8.9	6.0	7.4	---	---	---
22	7.6	6.5	7.0	6.6	5.5	5.9	6.6	6.2	6.4	---	---	---
23	7.9	6.6	7.2	6.6	5.3	6.0	6.9	6.0	6.3	---	---	---
24	7.5	6.9	7.2	7.4	5.8	6.5	7.5	5.7	6.4	---	---	---
25	10.9	6.8	8.0	7.1	5.8	6.3	7.4	5.9	6.5	---	---	---
26	9.2	6.9	7.9	7.0	6.0	6.4	8.6	7.4	7.9	---	---	---
27	8.2	4.9	6.5	6.9	5.9	6.3	9.6	7.8	8.7	---	---	---
28	8.3	4.9	6.7	7.2	5.9	6.4	9.6	8.1	9.0	---	---	---
29	8.3	4.8	6.5	7.9	4.5	6.4	8.4	7.4	8.1	---	---	---
30	8.0	4.6	6.8	7.2	4.3	6.2	8.5	5.5	7.0	---	---	---
31	7.7	4.5	6.5	---	---	---	6.4	5.5	5.9	---	---	---
MONTH	10.9	4.5	7.3	8.8	4.3	6.2	9.6	5.5	6.9	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	10.6	9.7	10.2
3	---	---	---	---	---	---	---	---	---	11.2	9.8	10.3
4	---	---	---	---	---	---	---	---	---	12.0	10.0	10.4
5	---	---	---	---	---	---	---	---	---	11.3	10.1	10.5
6	---	---	---	---	---	---	---	---	---	10.7	9.6	10.2
7	---	---	---	---	---	---	---	---	---	11.6	9.7	10.5
8	---	---	---	---	---	---	---	---	---	11.6	9.5	10.6
9	---	---	---	---	---	---	---	---	---	11.8	9.6	10.7
10	---	---	---	---	---	---	---	---	---	11.6	9.9	10.9
11	---	---	---	---	---	---	---	---	---	11.4	9.5	10.7
12	---	---	---	---	---	---	---	---	---	11.9	10.2	11.0
13	---	---	---	---	---	---	---	---	---	11.6	9.9	10.4
14	---	---	---	---	---	---	---	---	---	11.6	9.9	10.5
15	---	---	---	---	---	---	---	---	---	11.5	9.9	10.6
16	---	---	---	---	---	---	---	---	---	11.6	10.1	10.6
17	---	---	---	---	---	---	---	---	---	13.4	9.9	12.0
18	---	---	---	---	---	---	---	---	---	13.5	11.2	12.7
19	---	---	---	---	---	---	---	---	---	11.8	10.2	10.7
20	---	---	---	---	---	---	---	---	---	11.5	9.9	10.5
21	---	---	---	---	---	---	---	---	---	11.5	9.8	10.4
22	---	---	---	---	---	---	---	---	---	11.4	9.7	10.4
23	---	---	---	---	---	---	---	---	---	11.2	9.6	10.3
24	---	---	---	---	---	---	---	---	---	11.9	9.9	10.5
25	---	---	---	---	---	---	---	---	---	11.6	10.0	10.6
26	---	---	---	---	---	---	---	---	---	11.6	9.5	10.4
27	---	---	---	---	---	---	---	---	---	10.3	9.7	9.9
28	---	---	---	---	---	---	---	---	---	9.9	9.6	9.7
29	---	---	---	---	---	---	---	---	---	9.8	9.4	9.6
30	---	---	---	---	---	---	---	---	---	11.4	9.4	10.2
31	---	---	---	---	---	---	---	---	---	11.6	9.7	10.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.6	9.1	9.8	10.9	7.9	9.7	9.0	7.4	8.3	9.0	7.0	7.7
2	11.6	9.6	10.4	10.6	7.8	9.6	9.7	6.8	7.8	8.6	5.8	7.3
3	11.7	9.9	10.5	10.4	7.8	9.2	9.0	6.7	7.9	8.5	5.7	6.9
4	10.8	9.8	10.1	10.7	9.4	10.2	8.8	6.6	7.8	8.0	6.7	7.3
5	11.6	9.6	10.2	10.8	8.5	9.3	9.4	7.3	7.8	8.9	6.9	7.7
6	11.6	9.1	10.4	10.7	8.0	9.2	9.0	7.3	7.9	8.8	5.9	7.6
7	11.2	9.1	10.0	10.8	8.6	9.7	9.3	6.5	8.1	8.8	5.5	7.5
8	11.1	8.9	9.7	11.3	8.9	9.9	10.9	6.2	7.8	7.7	6.3	7.2
9	11.4	8.9	9.7	10.9	9.1	9.8	9.2	6.0	7.1	8.0	5.6	6.9
10	11.7	9.4	10.6	10.2	7.7	9.1	8.9	6.0	7.1	8.0	6.4	6.9
11	11.6	8.8	10.0	10.1	7.6	8.9	8.7	5.9	7.6	7.8	5.3	6.4
12	11.2	8.7	9.7	9.9	8.5	9.1	8.8	7.0	7.7	7.4	5.3	6.6
13	11.1	8.6	9.5	10.6	8.5	9.3	8.6	5.9	7.6	7.9	5.2	6.6
14	11.2	8.6	9.4	10.8	8.3	9.4	8.7	5.9	7.0	7.5	5.2	6.8
15	10.8	8.5	9.4	10.4	8.6	9.5	8.1	5.9	7.0	7.8	5.2	6.9
16	10.6	8.5	9.5	10.5	8.6	9.4	8.6	5.9	7.0	7.8	6.4	7.1
17	10.9	8.4	9.7	10.6	8.5	9.5	8.8	5.9	7.1	8.3	5.2	7.2
18	10.9	8.4	9.9	10.6	8.5	9.4	8.3	6.2	7.2	8.3	6.1	7.5
19	10.6	8.3	9.6	10.6	8.6	9.6	8.6	6.9	7.5	8.5	5.2	7.1
20	10.9	8.3	9.3	10.4	8.5	9.4	8.7	7.0	7.7	9.2	6.4	7.4
21	10.9	8.6	10.1	9.4	8.2	8.8	9.1	7.0	7.9	8.2	5.7	7.3
22	10.8	8.3	9.0	10.1	8.0	8.8	9.0	6.0	8.0	7.9	5.0	6.6
23	10.6	8.2	8.9	10.2	7.6	8.9	8.3	5.9	7.1	8.4	5.3	7.6
24	10.8	8.1	9.8	10.3	8.1	9.0	8.5	6.1	7.3	8.4	5.1	7.5
25	10.9	8.1	9.7	10.2	8.3	8.9	8.8	6.9	7.8	9.7	5.4	8.6
26	10.9	8.3	9.9	9.2	8.1	8.6	9.2	7.3	8.1	9.0	6.7	8.3
27	10.6	8.0	9.5	10.2	7.2	8.6	8.9	7.3	8.1	8.1	6.5	7.1
28	10.5	7.9	9.3	9.9	8.2	8.7	9.2	5.9	7.7	7.9	6.5	7.1
29	10.7	7.9	10.2	10.6	8.0	9.0	8.4	5.9	7.1	8.2	6.4	7.1
30	10.6	7.9	9.6	10.1	8.1	8.9	9.2	6.0	7.7	9.2	6.6	7.4
31	---	---	---	10.2	7.0	8.4	9.2	6.8	8.1	---	---	---
MONTH	11.7	7.9	9.8	11.3	7.0	9.2	10.9	5.9	7.6	9.7	5.0	7.2

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.1	8.9	9.8	10.6	10.1	10.3	10.4	8.6	9.2	---	---	---
2	12.2	9.0	9.8	11.0	9.0	10.2	10.6	8.8	9.6	---	---	---
3	12.1	9.1	9.8	11.0	8.7	9.7	10.8	9.8	10.2	---	---	---
4	11.8	9.3	10.0	11.2	9.0	9.9	11.1	10.1	10.6	---	---	---
5	11.9	8.8	9.7	11.0	9.2	9.8	10.8	8.7	9.5	---	---	---
6	11.8	8.9	9.7	11.5	9.2	10.0	10.5	8.4	9.4	---	---	---
7	11.5	9.0	10.1	11.3	9.3	10.0	10.9	8.4	9.6	---	---	---
8	10.6	9.7	10.2	11.3	9.3	10.0	10.6	8.9	9.8	---	---	---
9	10.7	9.6	10.0	11.4	9.2	9.9	9.7	9.2	9.5	---	---	---
10	11.5	9.4	9.9	11.6	9.2	10.0	10.6	8.7	9.5	---	---	---
11	12.4	9.3	10.1	11.3	9.1	9.8	9.0	8.5	8.8	---	---	---
12	11.9	9.2	9.9	11.2	9.1	9.8	9.4	8.9	9.2	---	---	---
13	12.0	9.3	10.1	11.3	9.2	9.9	9.4	8.6	9.1	---	---	---
14	11.9	9.2	10.1	11.5	9.2	9.9	10.2	8.4	9.0	---	---	---
15	12.3	9.2	10.0	10.9	9.0	9.6	10.0	8.6	9.0	---	---	---
16	12.3	9.4	10.4	10.9	8.9	9.6	10.0	8.4	8.9	---	---	---
17	10.1	9.2	9.7	10.9	8.8	9.5	10.0	8.5	9.1	---	---	---
18	11.0	9.0	9.6	11.1	8.9	9.6	10.2	8.7	9.2	---	---	---
19	11.4	9.2	10.0	10.0	9.2	9.6	9.9	8.5	9.0	---	---	---
20	11.5	9.0	10.0	10.6	8.9	9.4	9.1	8.2	8.7	---	---	---
21	11.4	9.0	10.0	10.9	8.8	9.6	9.7	8.0	8.8	---	---	---
22	11.5	9.1	9.8	10.4	9.4	9.7	9.7	8.1	8.6	---	---	---
23	10.9	8.8	9.5	10.4	9.1	9.8	10.0	8.2	8.8	---	---	---
24	11.0	8.6	9.4	10.4	8.9	9.4	9.7	8.4	8.7	---	---	---
25	11.2	8.6	9.6	9.4	8.8	9.1	9.8	7.9	8.6	---	---	---
26	10.9	8.9	9.7	10.3	8.6	9.2	10.5	7.6	8.6	---	---	---
27	10.1	9.1	9.6	10.6	8.7	9.4	9.6	7.6	8.3	---	---	---
28	10.3	9.2	9.9	10.7	8.9	9.4	9.4	7.1	8.1	---	---	---
29	10.3	9.7	10.1	10.6	8.7	9.5	10.4	7.9	8.8	---	---	---
30	10.2	9.5	10.0	10.1	8.5	9.3	10.3	8.3	9.1	---	---	---
31	10.3	10.0	10.2	---	---	---	10.4	8.8	9.3	---	---	---
MONTH	12.4	8.6	9.9	11.6	8.5	9.7	11.1	7.1	9.1	---	---	---

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	10.4	8.4	9.1
3	---	---	---	---	---	---	---	---	---	10.2	8.5	9.0
4	---	---	---	---	---	---	---	---	---	9.7	8.5	8.9
5	---	---	---	---	---	---	---	---	---	10.3	8.5	8.8
6	---	---	---	---	---	---	---	---	---	10.7	8.5	9.3
7	---	---	---	---	---	---	---	---	---	10.2	8.5	8.9
8	---	---	---	---	---	---	---	---	---	9.9	8.4	8.7
9	---	---	---	---	---	---	---	---	---	10.0	8.5	8.9
10	---	---	---	---	---	---	---	---	---	12.5	8.3	9.3
11	---	---	---	---	---	---	---	---	---	9.2	8.5	8.7
12	---	---	---	---	---	---	---	---	---	11.1	8.7	9.3
13	---	---	---	---	---	---	---	---	---	12.1	8.5	9.8
14	---	---	---	---	---	---	---	---	---	12.4	8.4	9.7
15	---	---	---	---	---	---	---	---	---	10.8	8.4	9.0
16	---	---	---	---	---	---	---	---	---	11.9	8.6	9.3
17	---	---	---	---	---	---	---	---	---	9.4	8.6	9.0
18	---	---	---	---	---	---	---	---	---	11.6	8.5	9.2
19	---	---	---	---	---	---	---	---	---	10.4	8.6	9.0
20	---	---	---	---	---	---	---	---	---	9.4	8.6	8.9
21	---	---	---	---	---	---	---	---	---	10.1	8.7	9.2
22	---	---	---	---	---	---	---	---	---	10.0	8.6	9.1
23	---	---	---	---	---	---	---	---	---	12.6	8.6	9.5
24	---	---	---	---	---	---	---	---	---	12.5	8.6	9.7
25	---	---	---	---	---	---	---	---	---	12.2	8.6	9.6
26	---	---	---	---	---	---	---	---	---	10.7	8.6	9.4
27	---	---	---	---	---	---	---	---	---	10.9	8.9	9.6
28	---	---	---	---	---	---	---	---	---	13.2	9.0	10.6
29	---	---	---	---	---	---	---	---	---	12.7	9.2	10.7
30	---	---	---	---	---	---	---	---	---	11.2	8.6	9.7
31	---	---	---	---	---	---	---	---	---	11.8	8.8	10.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.8	8.8	9.6	9.8	9.3	9.6	11.4	9.3	9.9	12.1	9.8	10.3
2	11.6	8.8	9.5	9.8	9.5	9.6	11.9	9.3	9.9	12.1	9.9	10.3
3	10.4	8.7	9.3	10.4	9.3	9.6	11.9	9.4	9.9	12.8	9.8	10.3
4	10.3	8.8	9.3	12.7	9.3	10.2	11.5	9.4	9.8	12.1	9.9	10.3
5	12.6	8.7	9.7	12.5	9.2	9.8	12.7	9.4	10.1	13.2	9.9	10.6
6	12.2	8.7	9.4	11.2	9.2	9.6	12.3	9.4	9.9	13.1	9.8	10.7
7	11.6	8.6	9.3	11.6	9.2	9.7	12.4	9.4	10.1	12.5	9.9	10.6
8	10.8	8.7	9.2	13.1	9.3	10.1	11.9	9.4	10.0	11.6	10.0	10.6
9	10.0	8.7	9.1	12.7	9.2	10.1	12.7	9.5	10.2	12.6	10.0	10.6
10	11.7	8.9	10.0	12.0	9.2	9.7	11.7	9.5	10.2	12.4	10.0	10.5
11	11.3	8.9	9.4	10.7	9.2	9.6	12.2	9.6	10.1	12.5	9.9	10.5
12	9.3	8.8	9.0	11.8	9.2	9.8	14.0	9.4	10.6	13.1	10.0	10.7
13	9.3	8.8	9.1	11.9	9.4	9.9	11.9	9.4	10.4	11.8	9.7	10.4
14	12.3	8.9	9.8	11.1	9.2	9.6	10.2	9.5	9.9	13.0	9.8	10.6
15	12.1	9.1	9.7	12.2	9.2	9.9	11.2	9.4	10.0	12.8	9.6	10.6
16	9.9	8.9	9.3	12.3	9.3	10.0	11.1	9.5	10.0	13.2	9.3	10.4
17	9.7	8.9	9.2	11.5	9.2	9.7	11.2	9.6	10.1	13.0	9.4	10.3
18	9.8	9.0	9.2	11.9	9.4	9.9	12.9	10.0	10.9	13.2	9.4	10.6
19	10.8	9.0	9.4	12.7	9.3	9.9	13.8	10.1	11.3	14.0	9.3	10.6
20	9.9	9.0	9.3	10.8	9.4	9.8	13.9	10.0	11.1	12.9	9.7	10.5
21	9.8	9.1	9.3	11.7	9.4	10.0	14.0	9.9	10.9	12.3	9.6	10.4
22	11.0	9.2	9.6	11.1	9.4	10.0	12.8	10.0	10.7	11.2	9.6	10.2
23	10.1	9.2	9.5	11.9	9.3	10.2	11.8	10.0	10.5	11.7	10.4	10.9
24	9.6	9.2	9.4	12.9	9.2	10.1	13.0	10.0	10.7	11.8	10.2	11.0
25	9.6	9.2	9.4	12.9	9.1	10.1	12.5	10.0	10.4	11.1	10.2	10.6
26	10.1	9.2	9.5	13.0	9.2	10.1	12.9	9.8	10.4	12.5	9.4	10.5
27	9.8	9.3	9.5	12.7	9.2	10.1	12.7	9.7	10.3	12.5	9.2	10.2
28	9.7	9.3	9.5	12.8	9.2	10.1	12.6	9.8	10.4	12.7	9.4	10.3
29	9.7	9.4	9.5	10.4	9.3	9.7	12.4	9.9	10.6	12.6	9.3	10.4
30	9.9	9.5	9.6	12.5	9.2	10.0	12.9	10.1	10.7	12.7	9.3	10.5
31	---	---	---	10.8	9.2	9.7	12.1	10.0	10.5	---	---	---
MONTH	12.6	8.6	9.4	13.1	9.1	9.9	14.0	9.3	10.3	14.0	9.2	10.5

07076517 LITTLE RED RIVER NEAR DEWEY

LOCATION.--Lat 35°26'16", long 91°44'45", in SW1/4NW1/4 sec.3, T.9 N., R.7 W., White County, Hydrologic Unit 11010014, near right bank on downstream side of bridge on State Highway 124, 1.3 mi northeast of Dewey.

DRAINAGE AREA.--1,340 mi^2.

PERIOD OF RECORD.--November 1996 to current year.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated since March 30, 1962, by Greers Ferry Lake 30.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	4320	537	106	654	487	1460	174	362	3240	1110	699
2	234	3300	206	127	1160	388	421	278	1550	4060	658	1380
3	235	611	107	1150	546	689	557	1140	638	2430	2000	855
4	213	220	146	1700	388	583	2280	1070	331	1770	1930	899
5	363	529	149	1570	371	409	1210	1860	256	487	2210	1230
6	270	200	238	1130	234	306	3770	1230	1170	1470	710	1080
7	265	104	460	662	149	313	3920	954	1950	849	750	1410
8	639	93	401	336	142	307	3170	945	2800	609	1210	1180
9	349	92	343	286	140	340	2410	2800	3210	326	2190	293
10	278	92	170	257	138	476	2110	1980	3900	312	2630	356
11	381	93	144	224	139	246	3910	1890	539	1780	2540	449
12	398	92	2480	199	137	192	3890	2690	796	1740	1380	2160
13	743	92	2880	188	138	516	3660	1010	3200	1350	360	1640
14	469	92	1130	175	141	1010	2080	379	2770	1140	354	1920
15	350	92	614	408	139	262	955	344	2730	1380	2260	1200
16	773	91	398	181	138	432	403	690	2210	483	2300	569
17	245	94	298	158	136	1250	476	305	2420	373	2490	259
18	114	95	241	155	220	2130	816	277	1280	1030	2280	1150
19	228	96	203	155	417	1980	913	564	1480	891	833	380
20	535	96	186	146	339	2300	937	332	2350	645	453	368
21	398	96	168	139	272	2820	321	311	3740	338	292	666
22	497	97	196	192	230	2070	228	290	2410	202	856	272
23	139	104	165	160	206	2490	157	737	3380	219	1260	1710
24	102	103	142	142	193	3020	508	587	4150	295	2070	898
25	98	98	134	137	184	2580	810	539	3560	275	1720	837
26	383	96	130	134	676	690	476	329	3280	264	1410	640
27	605	95	119	132	1890	952	387	595	3120	403	1040	283
28	2490	96	104	141	946	2170	336	761	3420	681	1550	215
29	2940	95	99	140	633	1680	228	441	4040	1250	2330	202
30	2690	339	97	135	---	1220	194	291	3580	355	2680	443
31	3160	---	94	169	---	1460	---	888	---	322	1550	---
TOTAL	20878	11713	12779	10934	11096	35768	42993	26681	70622	30969	47406	25643
MEAN	673	390	412	353	383	1154	1433	861	2354	999	1529	855
MAX	3160	4320	2880	1700	1890	3020	3920	2800	4150	4060	2680	2160
MIN	98	91	94	106	136	192	157	174	256	202	292	202
AC-FT	41410	23230	25350	21690	22010	70950	85280	52920	140100	61430	94030	50860

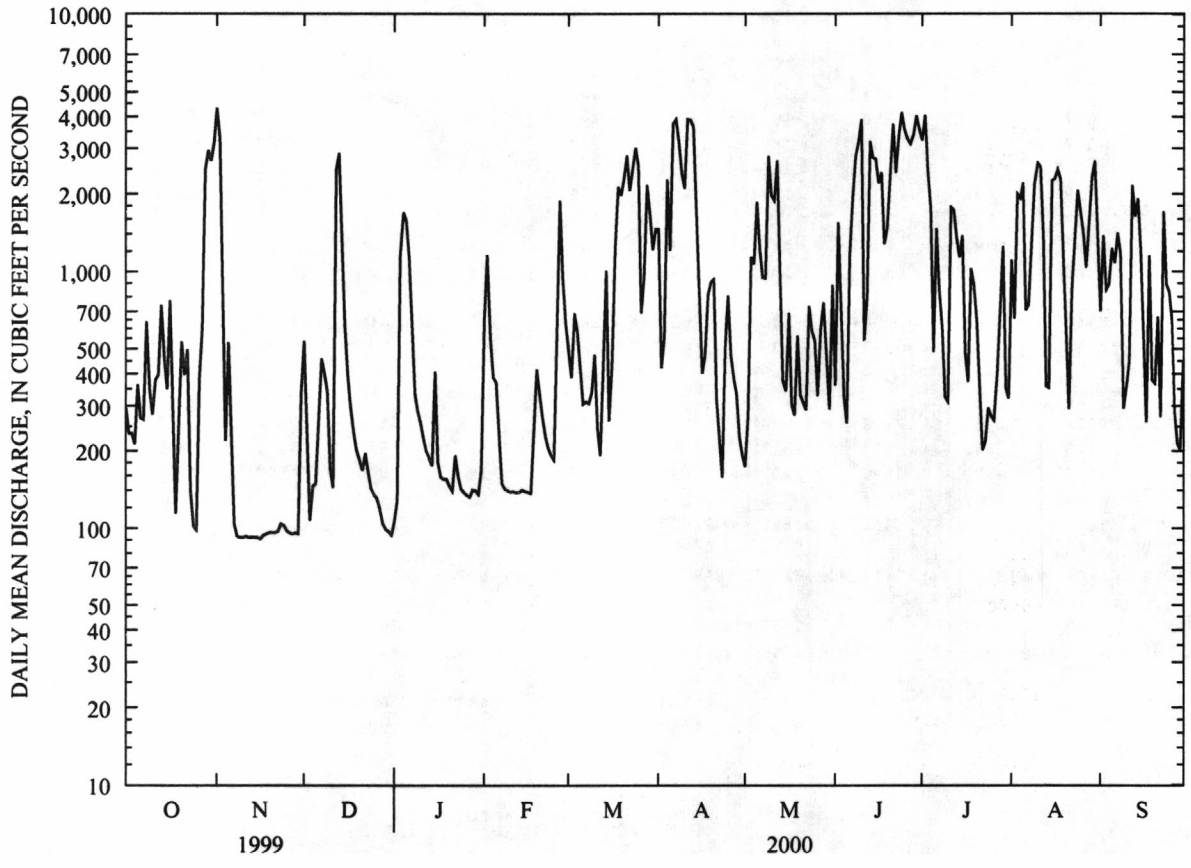
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	777	472	1597	1851	2551	2910	2601	2081	1654	1233	1113	661
MAX	1159	876	5060	4241	4394	4573	3445	3501	2688	1366	1529	855
(WY)	1999	1999	1997	1997	1998	1997	1998	1997	1997	1998	2000	2000
MIN	499	149	199	353	383	1154	1433	861	656	999	921	509
(WY)	1998	1998	1998	2000	2000	2000	2000	2000	1999	2000	1997	1999

07076517 LITTLE RED RIVER NEAR DEWEY--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	467636		347482			
ANNUAL MEAN	1281		949		1304	
HIGHEST ANNUAL MEAN					1576	1998
LOWEST ANNUAL MEAN					949	2000
HIGHEST DAILY MEAN	5920	Mar 19	4320	Nov 1	21300	Apr 5 1997
LOWEST DAILY MEAN	91	Nov 16	91	Nov 16	86	Nov 25 1998
ANNUAL SEVEN-DAY MINIMUM	92	Nov 10	92	Nov 10	92	Nov 10 1999
INSTANTANEOUS PEAK FLOW			5710	Jun 23	[a]25300	Apr 5 1997
INSTANTANEOUS PEAK STAGE			11.80	Jun 23	28.25	Apr 5 1997
INSTANTANEOUS LOW FLOW			90	Nov 16	84	Nov 25,26 1998
ANNUAL RUNOFF (AC-FT)	927600		689200		944800	
10 PERCENT EXCEEDS	3260		2550		4220	
50 PERCENT EXCEEDS	758		476		1050	
90 PERCENT EXCEEDS	143		133		181	

[a]From rating curve extended above 12,000 ft^3/s



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 mi².

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.--No estimated daily discharges. 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 ft³/s by current-meter measurement, furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5610	11500	6710	9640	15800	21900	17800	9060	34400	20700	10700	14000
2	7360	12500	6430	9300	14600	24100	17700	8570	35200	19200	11000	13900
3	8360	12500	6390	9000	13400	25300	17600	8250	35300	18200	10800	13500
4	7850	11000	6690	8950	13300	25500	17200	8410	34800	17700	11100	13300
5	6720	8970	7730	12000	14600	24900	16800	9920	34300	16800	12400	12900
6	5660	8280	8580	17200	15700	23900	16200	11500	33000	15900	13600	12500
7	5000	9070	8690	20500	15900	22600	16100	12300	30700	15700	14100	12000
8	4900	9730	8630	22000	15300	21300	16600	12000	27800	15900	14400	11000
9	5680	9780	8970	22400	14200	20200	16600	11500	24900	16000	14600	9810
10	6220	9310	10300	22200	13000	19300	16000	11600	22500	16100	15100	8730
11	6320	8360	11200	21300	11900	18600	15400	11900	20400	15700	15900	8020
12	7200	7360	11200	20000	11100	18000	15200	12800	18000	15200	16600	7920
13	8070	6730	12400	18500	10600	17300	15800	13800	15600	15100	16800	8480
14	8250	6500	16000	17400	10200	16800	16200	13300	14200	16000	16300	9630
15	9130	6360	18000	16600	10000	16700	15800	11800	14500	16900	15500	10800
16	10500	6270	19600	16100	10100	17100	14800	10300	15000	17400	15100	11000
17	11000	6490	21100	15700	9770	18000	13600	9140	14600	17200	14900	10100
18	10600	6610	21100	15500	9400	18300	12400	8380	14300	16300	15000	9110
19	9710	6390	20200	15100	9200	19900	11700	7740	13800	15200	15800	8520
20	8760	6170	19100	14300	9260	22100	11100	7250	13500	14100	16100	7910
21	7760	6370	18000	12300	9880	22900	10900	7300	16600	12900	15700	7020
22	6950	7330	16700	13500	10900	23200	11000	8690	22100	11600	14400	6720
23	6940	7850	15500	13900	12400	23500	10600	10300	24700	11100	12500	6810
24	7450	7600	14700	14500	13500	23700	9930	10700	25600	11100	11400	7090
25	7660	7020	14400	15100	14000	23800	9600	10200	27000	11200	11800	7630
26	7320	6570	14100	14600	14700	23500	10100	9480	28200	10800	12600	7460
27	6700	6300	13700	13500	16400	22300	10600	8960	28200	9750	13100	7510
28	6330	6270	12900	13500	17400	20900	10700	9720	26600	8730	13400	7580
29	6680	6620	12000	15100	19200	19800	10300	14000	24600	8370	13400	7100
30	8470	6870	11000	16200	---	18900	9670	22900	22500	8880	13500	6510
31	10300	---	10200	16500	---	18200	---	30800	---	10000	13800	---
TOTAL	235460	238680	402220	482390	375710	652500	414000	352570	712900	445730	431400	284560
MEAN	7595	7956	12970	15560	12960	21050	13800	11370	23760	14380	13920	9485
MAX	11000	12500	21100	22400	19200	25500	17800	30800	35300	20700	16800	14000
MIN	4900	6170	6390	8950	9200	16700	9600	7250	13500	8370	10700	6510
AC-FT	467000	473400	797800	956800	745200	1294000	821200	699300	1414000	884100	855700	564400

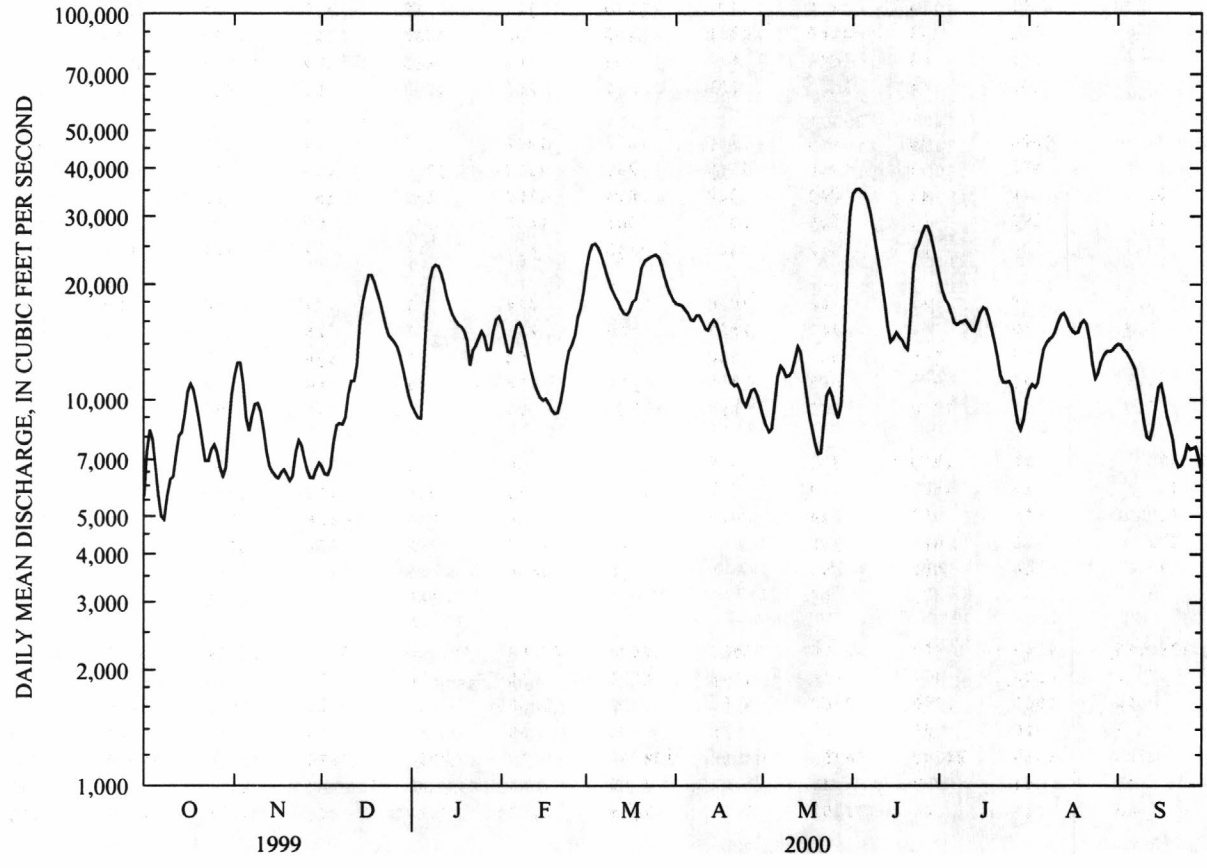
07077000 WHITE RIVER AT DEVALLS BLUFF--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1989-00, BY WATER YEAR (WY)

MEAN	12080	16130	24130	31060	36390	40540	42710	41890	26520	19720	16100	12840
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 2000 WATER YEAR		WATER YEARS 1950-70, 1989-00	
ANNUAL TOTAL	5028120			
ANNUAL MEAN	13740		26630	
HIGHEST ANNUAL MEAN			51270	1950
LOWEST ANNUAL MEAN			12230	1963
HIGHEST DAILY MEAN	35300	Jun 3	154000	Jan 19 1950
LOWEST DAILY MEAN	4900	Oct 8	3230	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	5790	Oct 5	3290	Sep 26 1954
INSTANTANEOUS PEAK FLOW	35400	Jun 2	154000	Jan 19 1950
INSTANTANEOUS PEAK STAGE	17.34	Jun 4	28.42	Jan 20 1950
INSTANTANEOUS LOW FLOW	4800	Oct 8	3230	[a]Sep 29 1954
ANNUAL RUNOFF (AC-FT)	9973000		19290000	
10 PERCENT EXCEEDS	22100		54500	
50 PERCENT EXCEEDS	13000		19400	
90 PERCENT EXCEEDS	7070		8040	

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



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 mi^2.

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of 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 good except estimated daily discharges, which are poor. Satellite telemeter at station.

REVISIONS.--Revised figures of discharge for the water years 1998 and 1999 superseding those published in the reports for 1998 and 1999 are presented below.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	85	61	377	245	705	900	3380	122	153	2860	200
2	52	195	280	261	191	416	788	3260	63	158	2880	180
3	37	136	271	177	128	255	914	3130	35	150	2820	190
4	25	67	301	127	131	174	1330	2970	23	213	2880	218
5	17	60	459	116	94	439	853	2700	457	667	2840	203
6	16	462	330	656	74	2550	464	2070	722	569	2770	183
7	13	813	168	2200	47	2980	291	2040	475	359	2820	156
8	13	693	100	2840	25	3420	220	2480	288	237	3000	110
9	7.0	424	77	2960	18	3580	235	2440	175	231	3040	92
10	4.4	239	75	2870	146	3530	251	3220	278	279	2920	80
11	3.0	152	83	2650	1440	3400	185	3460	354	378	3050	62
12	2.8	100	154	1970	1730	3070	142	3530	339	799	3200	77
13	17	341	147	1060	1210	1800	98	3530	320	1030	3210	97
14	66	1420	94	601	590	755	103	3460	167	803	3160	98
15	87	1500	64	1030	291	437	600	3270	91	564	3060	127
16	73	1020	46	1610	1230	322	1440	2370	79	407	2890	192
17	51	563	56	1410	2910	269	2130	1010	216	340	2650	207
18	31	328	43	843	3330	819	2120	482	151	312	2320	172
19	16	192	31	525	3350	2000	1450	254	97	287	2030	117
20	9.6	106	24	469	3250	3240	616	119	77	242	1810	83
21	5.0	68	23	456	3060	3430	314	71	247	186	1610	59
22	1.3	59	60	441	2800	3460	211	60	723	158	1410	40
23	.73	53	149	587	2250	3390	156	57	936	170	1200	27
24	3.1	41	975	583	1430	3280	108	49	916	372	1050	21
25	8.9	34	1930	447	837	3160	75	40	729	792	935	15
26	292	26	1970	321	503	2990	60	70	371	1360	840	17
27	506	18	1600	279	684	2790	98	569	152	1700	724	22
28	460	16	976	224	993	2410	2220	557	126	1820	562	12
29	272	16	695	132	---	1780	3290	308	150	2160	456	4.5
30	137	16	682	95	---	1210	3400	183	141	2340	356	1.4
31	78	---	543	93	---	913	---	265	---	2620	265	---
TOTAL	2381.83	9243	12467	28410	32987	62974	25062	51404	9020	21856	65618	3062.9
MEAN	76.8	308	402	916	1178	2031	835	1658	301	705	2117	102
MAX	506	1500	1970	2960	3350	3580	3400	3530	936	2620	3210	218
MIN	.73	16	23	93	18	174	60	40	23	150	265	1.4
AC-FT	4720	18330	24730	56350	65430	124900	49710	102000	17890	43350	130200	6080
CFSM	.11	.44	.57	1.31	1.68	2.90	1.19	2.37	.43	1.01	3.02	.15
IN.	.13	.49	.66	1.51	1.75	3.34	1.33	2.73	.48	1.16	3.48	.16

07077380 CACHE RIVER AT EGYPT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1998, BY WATER YEAR (WY)

MEAN	338	812	1315	1291	1270	1234	1286	1119	457	416	417	445
MAX	2437	2942	3547	4249	3552	3543	4759	4256	1177	1528	2117	1637
(WY)	1985	1997	1983	1991	1989	1997	1979	1973	1989	1976	1998	1965
MIN	12.5	8.23	45.0	11.8	87.4	216	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 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1965 - 1998	
ANNUAL TOTAL	308197.83		324485.73			
ANNUAL MEAN	844		889		865	
HIGHEST ANNUAL MEAN					1762	1973
LOWEST ANNUAL MEAN					299	1972
HIGHEST DAILY MEAN	5580	Mar 6	3580	Mar 9	7940	Apr 25 1973
LOWEST DAILY MEAN	.73	Oct 23	.73	Oct 23	.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	6.4	Oct 19	6.4	Oct 19	.00	Oct 14 1991
INSTANTANEOUS PEAK FLOW			3600	Mar 9	8490	Jan 6 1966
INSTANTANEOUS PEAK STAGE			18.09	Mar 9	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			.00	[a]Oct 13,23	.00	at times
ANNUAL RUNOFF (AC-FT)	611300		643600		626600	
ANNUAL RUNOFF (CFSM)	1.20		1.27		1.23	
ANNUAL RUNOFF (INCHES)	16.36		17.22		16.76	
10 PERCENT EXCEEDS	2990		2960		2720	
50 PERCENT EXCEEDS	271		320		295	
90 PERCENT EXCEEDS	29		31		40	

[a]Also September 30

07077380 CACHE RIVER AT EGYPT--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	24	28	130	3470	334	162	71	958	2710	434	323
2	.00	19	15	2230	3370	178	99	55	1010	2420	393	345
3	.00	14	14	3230	3220	103	95	44	1060	1460	348	388
4	.00	12	19	3230	2980	94	1840	36	816	615	290	401
5	.00	9.3	259	3120	2630	78	2520	351	588	358	305	373
6	2330	9.1	602	2830	2130	304	3100	582	324	228	344	288
7	3470	7.1	595	2320	1610	546	3170	548	260	172	386	195
8	3630	6.5	317	1530	1270	603	3080	429	367	176	401	132
9	3720	18	142	813	1050	1680	2990	262	250	229	865	271
10	3790	193	64	471	822	1780	2840	116	123	259	1410	334
11	3830	680	42	399	589	1220	2200	70	136	507	1260	278
12	3830	609	37	606	481	539	1110	55	427	491	881	229
13	3810	320	56	1010	425	785	496	46	756	403	625	180
14	3770	134	44	1180	346	1960	447	31	1210	332	499	144
15	3720	64	37	928	242	2600	2500	25	1810	289	428	146
16	3660	39	30	545	192	2520	2900	34	1690	296	373	108
17	3580	27	25	392	188	2150	2830	59	1130	324	325	78
18	3510	17	20	870	191	1350	2690	459	630	357	333	63
19	3420	9.3	18	1120	184	659	2450	568	364	357	385	55
20	3300	20	18	896	151	350	1850	377	251	328	429	35
21	3080	30	744	572	131	348	990	197	195	303	446	29
22	2580	61	2680	2580	81	418	466	88	125	318	420	32
23	1690	98	2690	3370	68	304	234	56	184	345	416	29
24	1060	62	2420	3470	64	211	130	38	570	345	426	21
25	618	42	1680	3490	46	144	87	26	840	361	458	23
26	375	31	782	3470	41	95	85	20	922	382	457	21
27	235	23	433	3430	33	90	294	17	1170	392	491	13
28	94	18	367	3390	147	95	624	17	2120	685	502	9.8
29	50	14	341	3390	---	142	332	33	2550	729	452	6.9
30	29	14	296	3440	---	454	129	35	2770	610	397	2.3
31	25	---	205	3490	---	316	---	409	---	509	341	---
TOTAL	63206.00	2624.3	15020	61942	26152	22450	42740	5154	25606	17290	15520	4553.0
MEAN	2039	87.5	485	1998	934	724	1425	166	854	558	501	152
MAX	3830	680	2690	3490	3470	2600	3170	582	2770	2710	1410	401
MIN	.00	6.5	14	130	33	78	85	17	123	172	290	2.3
AC-FT	125400	5210	29790	122900	51870	44530	84770	10220	50790	34290	30780	9030
CFSM	2.91	.12	.69	2.85	1.33	1.03	2.03	.24	1.22	.80	.71	.22
IN.	3.35	.14	.80	3.29	1.39	1.19	2.27	.27	1.36	.92	.82	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1999, BY WATER YEAR (WY)

MEAN	387	791	1292	1311	1260	1219	1290	1092	469	420	419	437
MAX	2437	2942	3547	4249	3552	3543	4759	4256	1177	1528	2117	1637
(WY)	1985	1997	1983	1991	1989	1997	1979	1973	1989	1976	1998	1965
MIN	12.5	8.23	45.0	11.8	87.4	216	75.2	84.9	29.2	102	85.8	75.1
(WY)	1995	1990	1977	1981	1996	1996	1981	1987	1988	1968	1968	1971

07077380 CACHE RIVER AT EGYPT--CONTINUED

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1965 - 1999	
ANNUAL TOTAL	381244.20		302257.30			
ANNUAL MEAN	1045		828		864	
HIGHEST ANNUAL MEAN					1762	1973
LOWEST ANNUAL MEAN					299	1972
HIGHEST DAILY MEAN	3830	Oct 11	3830	Oct 11	7940	Apr 25 1973
LOWEST DAILY MEAN	.00	Oct 1	.00	Oct 1	.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	.84	Sep 29	11	Nov 3	.00	Oct 14 1991
INSTANTANEOUS PEAK FLOW			3840	Oct 11,12	8490	Jan 6 1966
INSTANTANEOUS PEAK STAGE			18.97	Oct 11,12	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	756200		599500		625800	
ANNUAL RUNOFF (CFSM)	1.49		1.18		1.23	
ANNUAL RUNOFF (INCHES)	20.23		16.04		16.74	
10 PERCENT EXCEEDS	3210		2860		2740	
50 PERCENT EXCEEDS	375		357		300	
90 PERCENT EXCEEDS	25		24		39	

07077380 CACHE RIVER AT EGYPT--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	e1.0	7.8	34	76	972	373	21	3840	477	1120	356
2	.00	e6.0	7.1	109	88	529	184	15	3840	366	739	421
3	.00	e.20	7.1	1750	95	420	102	14	3830	246	475	391
4	.00	.00	8.6	3170	86	648	109	16	3780	166	336	330
5	.00	e.00	37	3310	121	565	90	36	3730	108	656	224
6	.00	e.00	65	3300	113	413	58	75	3670	90	811	163
7	.00	e.00	54	3240	102	277	48	205	3590	102	643	172
8	.22	e.00	39	3180	98	252	41	136	3490	111	480	270
9	413	e.00	28	3110	79	239	37	126	3220	123	359	282
10	1220	e.00	363	3040	72	164	31	882	2090	153	249	309
11	1070	e.00	995	2940	80	97	78	933	965	151	191	247
12	600	e.00	2360	2800	78	70	117	460	594	150	219	200
13	298	e.00	3400	2620	85	48	224	181	445	194	297	265
14	133	e.00	3580	2410	60	41	94	101	370	246	324	246
15	55	e.00	3610	2110	54	65	49	44	376	243	317	140
16	30	e.00	3580	1510	51	1400	36	24	381	274	328	79
17	18	e.00	3500	904	55	2790	33	14	345	307	347	67
18	8.4	e.00	3340	580	776	2850	684	8.0	662	332	360	46
19	7.6	e.00	2590	380	1980	3160	831	148	1490	470	407	32
20	7.4	e.00	1410	253	2270	3290	390	966	1170	535	445	26
21	3.9	.00	706	186	2230	3200	124	599	1080	982	439	20
22	1.9	7.3	387	152	1810	3020	54	291	1750	1160	409	14
23	.14	16	237	249	974	2510	37	116	1460	950	381	10
24	.00	19	161	386	524	1280	609	50	867	645	498	33
25	.00	9.4	112	344	367	570	882	69	489	404	1100	195
26	e.00	18	86	285	544	326	569	1170	279	210	1150	421
27	e.00	20	67	172	2040	173	319	2350	351	148	861	507
28	e.00	15	55	95	2370	94	111	3460	427	193	623	396
29	e.00	15	46	103	1990	79	46	3630	500	303	471	205
30	e.00	8.2	39	202	---	191	32	3720	581	968	374	89
31	e.30	---	34	94	---	538	---	3790	---	1330	342	---
TOTAL	3866.91	135.10	30911.6	43018	19268	30271	6392	23650.0	49662	12137	15751	6156
MEAN	125	4.50	997	1388	664	976	213	763	1655	392	508	205
MAX	1220	20	3610	3310	2370	3290	882	3790	3840	1330	1150	507
MIN	.00	.00	7.1	34	51	41	31	8.0	279	90	191	10
AC-FT	7670	268	61310	85330	38220	60040	12680	46910	98500	24070	31240	12210
CFSM	.18	.01	1.42	1.98	.95	1.39	.30	1.09	2.36	.56	.72	.29
IN.	.21	.01	1.64	2.28	1.02	1.61	.34	1.26	2.64	.64	.84	.33

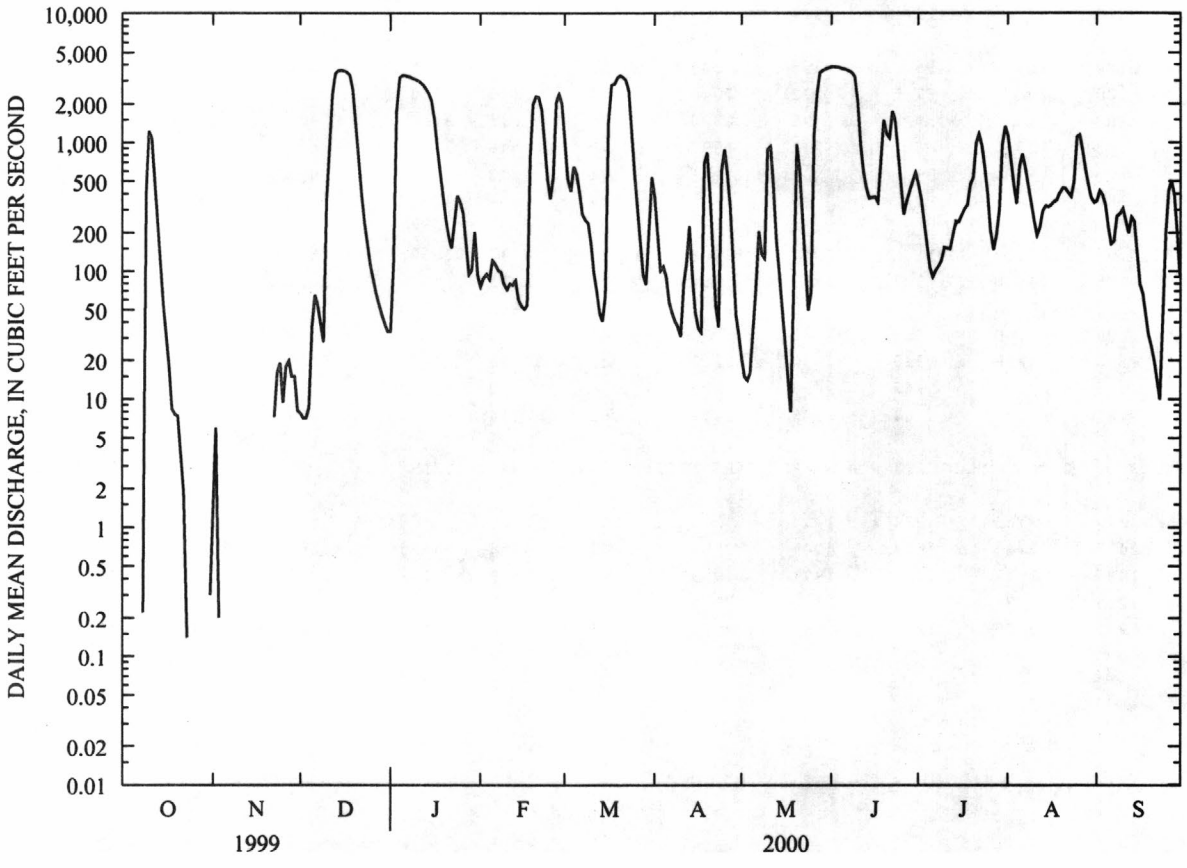
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

MEAN	379	769	1284	1314	1243	1212	1260	1083	502	419	422	430
MAX	2437	2942	3547	4249	3552	3543	4759	4256	1655	1528	2117	1637
(WY)	1985	1997	1983	1991	1989	1997	1979	1973	2000	1976	1998	1965
MIN	12.5	4.50	45.0	11.8	87.4	216	75.2	84.9	29.2	102	85.8	75.1
(WY)	1995	2000	1977	1981	1996	1996	1981	1987	1988	1968	1968	1971

07077380 CACHE RIVER AT EGYPT--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	256320.61		241218.61			
ANNUAL MEAN	702		659		858	
HIGHEST ANNUAL MEAN					1762	1973
LOWEST ANNUAL MEAN					299	1972
HIGHEST DAILY MEAN	3610	Dec 15	3840	Jun 1	7940	Apr 25 1973
LOWEST DAILY MEAN	.00	Oct 2	.00	Oct 2	.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 24	.00	Oct 24	.00	Oct 14 1991
INSTANTANEOUS PEAK FLOW			3850	Jun 2	8490	Jan 6 1966
INSTANTANEOUS PEAK STAGE			19.00	Jun 2	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	508400		478500		621700	
ANNUAL RUNOFF (CFSM)	1.00		.94		1.22	
ANNUAL RUNOFF (INCHES)	13.60		12.80		16.63	
10 PERCENT EXCEEDS	2580		2530		2730	
50 PERCENT EXCEEDS	328		238		297	
90 PERCENT EXCEEDS	.72		.79		38	

[e] Estimated



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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to September 1931, February 1937, August 1937 to September 1960, October 1965 to September 1977, October 1997 to current year in reports of the Geological Survey. Monthly discharge only for some periods, published in WSP 1311 and WSP 1731. January 1947 to December 1963 in reports of Mississippi River Commission. January 1964 to date in reports of U.S. Army Corps of Engineers, Memphis District. Gage-height records July 11, 1916, to Dec. 31, 1931, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 182.96 ft above sea level. Prior to Oct. 3, 1966, nonrecording and recording gages at or within 1,000 ft of old U.S. Highway 64 crossing, 1.4 mi downstream as follows: Prior to 1931, nonrecording gage at present datum; January 1937 to Oct. 5, 1949, nonrecording gage; and Oct. 6, 1949, to Dec. 31, 1950, water-stage recorder at mean Gulf level, or 0.24 ft below sea level; Jan. 1, 1950, to Oct. 2, 1966, water-stage recorder at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records fair except those below 100 ft³/s, which are poor. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 16.1 ft, present datum, from floodmarks, discharge, 24,500 ft³/s, due to break in White River levee.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	23	71	319	273	1060	702	501	2470	939	382	591
2	32	28	71	256	248	1320	560	376	2700	835	410	532
3	28	29	68	212	233	1620	496	533	2840	722	524	455
4	24	31	55	203	217	1610	532	753	2980	638	692	384
5	20	32	51	291	194	1340	517	678	3100	559	791	338
6	17	35	50	487	175	1050	428	536	3140	480	768	314
7	15	39	51	951	162	829	339	366	3160	400	662	302
8	16	42	53	1770	151	701	285	230	3180	325	552	286
9	23	44	55	2340	146	629	245	144	3200	266	505	254
10	19	47	57	2600	149	545	201	137	3220	224	508	218
11	22	49	50	2730	157	463	177	206	3220	196	502	195
12	36	52	58	2780	161	388	221	298	3180	180	470	191
13	111	54	386	2780	160	328	255	329	3080	179	418	205
14	249	55	1020	2730	151	282	314	404	2760	188	358	226
15	367	56	1740	2670	138	240	363	485	2460	197	315	236
16	421	58	2290	2600	128	267	347	472	1950	200	294	227
17	410	59	2810	2510	121	490	301	387	1600	209	284	211
18	346	61	3150	2360	117	774	250	289	1360	230	272	190
19	262	63	3280	2160	111	1130	208	204	1140	248	265	161
20	180	65	3340	1870	108	2000	164	149	942	255	269	127
21	119	65	3340	1520	136	2560	137	114	834	265	280	96
22	81	66	3290	1230	296	2760	200	85	890	290	293	72
23	57	69	3070	982	633	2840	313	96	1090	346	311	57
24	42	70	2570	762	1120	2860	377	210	1210	416	334	52
25	33	69	2010	606	1460	2830	388	301	1270	520	355	51
26	26	70	1530	494	1560	2720	475	307	1340	653	360	63
27	22	70	1160	424	1440	2450	563	282	1330	721	365	119
28	20	70	876	396	1250	2000	647	414	1250	701	384	184
29	23	71	666	371	1050	1530	694	881	1160	614	439	219
30	24	71	515	339	---	1170	637	1470	1020	506	528	239
31	16	---	399	306	---	909	---	2060	---	424	595	---
TOTAL	3098	1613	38132	42049	12245	41695	11336	13697	63076	12926	13485	6795
MEAN	99.9	53.8	1230	1356	422	1345	378	442	2103	417	435	226
MAX	421	71	3340	2780	1560	2860	702	2060	3220	939	791	591
MIN	15	23	50	203	108	240	137	85	834	179	265	51
AC-FT	6140	3200	75630	83400	24290	82700	22480	27170	125100	25640	26750	13480

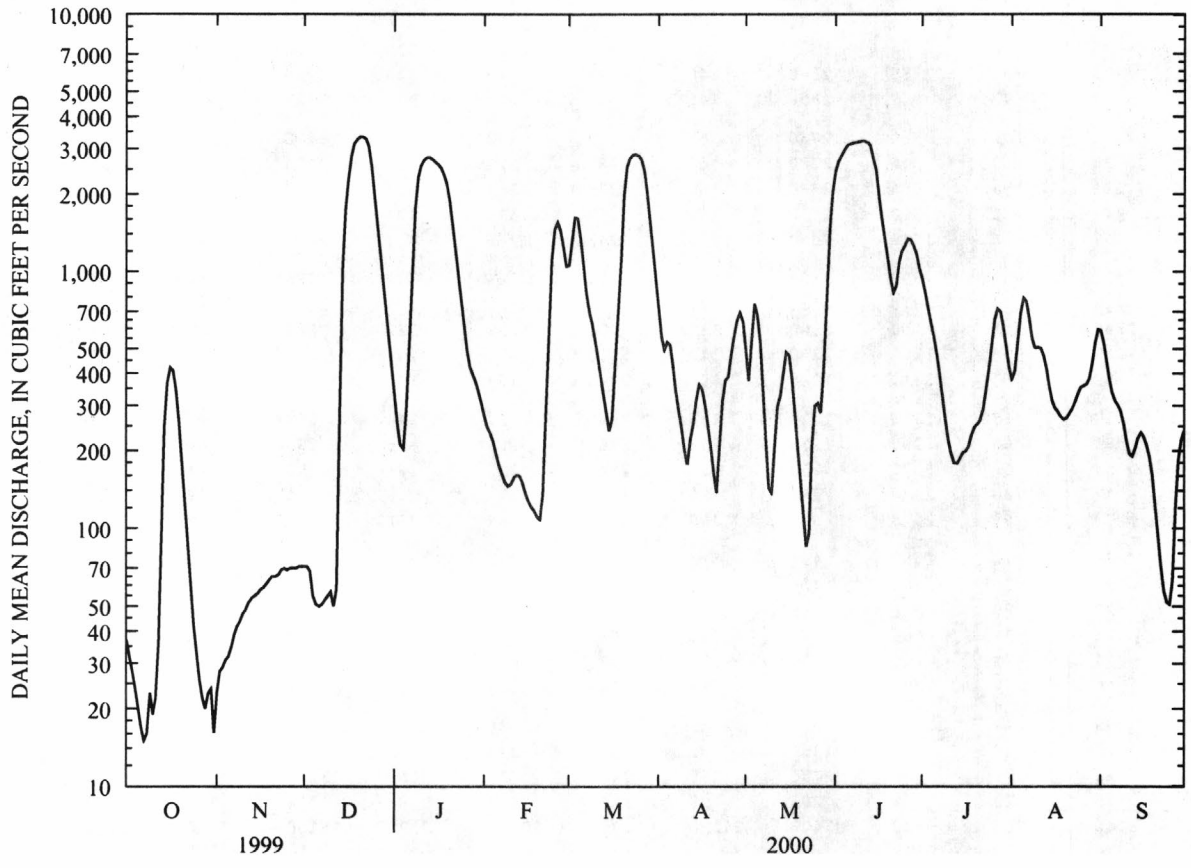
07077500 CACHE RIVER AT PATTERSON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928-31, 1938-77,1998-00, BY WATER YEAR (WY)

MEAN	390	732	1482	1987	2177	2258	2044	1594	912	478	440	411
MAX	3100	5297	6168	8809	8817	5770	7586	6075	5890	2093	3009	2210
(WY)	1985	1958	1958	1950	1950	1945	1979	1973	1928	1945	1998	1965
MIN	8.32	16.3	67.3	37.8	68.6	168	133	150	67.7	57.6	47.1	45.5
(WY)	1988	1972	1954	1964	1963	1941	1981	1941	1941	1954	1944	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928-31, 1938-77, 1998-00	
ANNUAL TOTAL	302320		260147			
ANNUAL MEAN	828		711		1244	
HIGHEST ANNUAL MEAN					2984	1950
LOWEST ANNUAL MEAN					308	1931
HIGHEST DAILY MEAN	4090	Jan 31	3340	Dec 20	12100	Jun 27 1928
LOWEST DAILY MEAN	15	Oct 7	15	Oct 7	.00	Oct 27 1956
ANNUAL SEVEN-DAY MINIMUM	19	Oct 5	19	Oct 5	.00	Oct 24 1978
INSTANTANEOUS PEAK FLOW			3360	Dec 20	13200	Jan 24 1937
INSTANTANEOUS PEAK STAGE			10.04	Dec 20	[a]13.21	Jan 24 1937
INSTANTANEOUS LOW FLOW			13	Oct 31	.00	Oct 27-30 1956
ANNUAL RUNOFF (AC-FT)	599700		516000		900900	
10 PERCENT EXCEEDS	2300		2460		3660	
50 PERCENT EXCEEDS	412		339		431	
90 PERCENT EXCEEDS	50		52		67	

[a]At present datum



07077500 CACHE RIVER AT PATTERSON--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
NOV 22...	0930	81213	80513	68	748	50	5.1	7.5	360	13.4	140
JAN 26...	1230	81213	80513	532	771	74	10.0	7.4	138	3.2	41
MAR 07...	1230	81213	80513	736	775	72	7.7	7.4	132	13.2	40
APR 18...	1045	81213	80513	213	766	72	6.9	7.9	131	17.2	40

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 22...	38	11	6.7	.6	15	18	147	13	14	.020	.70
JAN 26...	10	4.0	4.0	.5	7.3	25	42	6.0	9.9	.120	1.2
MAR 07...	9.7	3.8	3.7	.6	8.3	29	50	5.8	8.9	.030	1.4
APR 18...	10	3.6	3.5	.5	6.6	24	39	5.1	10	.080	1.1

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
NOV 22...	--	<.020	.68	--	.03	--	--	<.010	.28	.110	.090
JAN 26...	--	.160	1.1	1.4	.15	--	--	<.010	.12	.060	.040
MAR 07...	--	.300	1.4	1.7	.04	--	--	<.010	.15	.050	.050
APR 18...	.360	.370	1.0	1.5	.10	1.6	.03	.010	.15	.070	.050

DATE	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 22...	.180	.31	41.9	228	186	K37	54	130	9.0	49	98
JAN 26...	.300	.12	128	89	67	140	K190	100	257	179	100
MAR 07...	.270	.12	179	90	72	190	330	52	441	222	98
APR 18...	.310	.11	47.2	82	64	80	77	K97	89	154	98

07077500 CACHE RIVER AT PATTERSON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
11...	1130	81213	80513	748	86	6.3	8.0
11...	1135	80513	80513	748	82	6.0	7.5
11...	1136	80513	80513	748	94	6.9	7.5
11...	1137	80513	80513	748	97	7.2	7.4
11...	1138	80513	80513	748	83	6.1	7.4
11...	1139	80513	80513	748	83	6.1	7.4
11...	1140	80513	80513	748	83	6.1	7.4
11...	1141	80513	80513	748	83	6.1	7.4
11...	1142	80513	80513	748	83	6.1	7.4
11...	1143	80513	80513	748	84	6.1	7.4
11...	1144	80513	80513	748	85	6.2	7.4

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
11...	324	30.5	--	--	--	--
11...	322	30.5	.50	100	555	.25
11...	324	30.5	4.00	100	565	2.00
11...	325	30.5	7.00	100	575	3.50
11...	325	30.5	9.00	100	585	4.50
11...	326	30.5	8.00	100	595	4.00
11...	326	30.5	7.00	100	605	3.50
11...	326	30.5	6.00	100	615	3.00
11...	326	30.5	5.00	100	625	2.50
11...	326	30.5	3.00	100	635	1.50
11...	326	30.5	2.00	100	645	1.00

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL												
11...	1130	187	130	32	11	3.6	.6	16	21	112	7.6	20

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
JUL												
11...	.010	.95	.990	1.00	.94	2.0	.01	4.4	.03	.010	.12	.050

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL												
11...	.040	.150	.27	101	201	162	K33	K23	K15	40	79	93

07077500 CACHE RIVER AT PATTERSON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 30...	0945	81213	80513	535	760	62	4.8	6.8	490	28.5	200

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
AUG 30...	52	17	3.5	.8	25	21	214	15	29	.010

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
AUG 30...	.43	.160	.42	.59	.01	<.010	.34	.100	.110	.150

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 30...	.42	443	307	271	140	170	200	133	92	98

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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	30	8.5	1570	818	1300	2000	517	648	1300	617	402
2	53	31	8.0	1410	673	1290	1880	547	852	1240	582	450
3	49	31	12	1230	538	1250	1740	625	1120	1170	521	486
4	44	29	14	1020	419	1230	1580	631	1370	1080	472	500
5	39	26	16	792	336	1250	1390	677	1620	981	476	486
6	35	22	21	600	287	1300	1170	717	1810	882	527	450
7	32	17	26	447	256	1320	981	724	1960	792	587	404
8	33	16	23	413	234	1310	830	685	2070	710	615	366
9	58	16	20	512	212	1240	683	615	2160	625	623	342
10	54	16	18	678	196	1140	542	500	2260	515	611	322
11	50	15	18	932	184	1010	419	371	2350	392	574	293
12	43	16	63	1210	199	884	369	257	2430	297	536	260
13	38	16	173	1450	278	784	323	252	2490	248	513	233
14	41	16	263	1630	215	696	298	306	2560	221	494	215
15	93	19	400	1770	196	582	303	347	2770	214	468	210
16	178	19	553	1880	183	577	329	378	3020	217	429	217
17	253	17	694	1970	169	573	362	411	3060	217	374	224
18	313	13	864	2030	165	548	363	426	2940	218	325	223
19	358	11	1100	2070	159	729	337	412	2740	225	299	215
20	370	11	1360	2100	151	875	298	369	2570	233	279	199
21	337	9.7	1580	2100	141	989	249	332	2410	253	268	174
22	261	9.4	1760	2090	135	1170	203	265	2230	268	262	147
23	174	10	1910	2050	159	1420	178	191	2070	274	267	120
24	116	13	2030	1980	244	1680	213	144	1920	285	279	104
25	86	12	2110	1880	377	1890	277	139	1780	310	293	104
26	68	12	2150	1760	659	2030	325	188	1660	350	308	92
27	54	12	2140	1620	959	2140	352	264	1560	400	320	79
28	44	11	2090	1490	1140	2210	385	357	1480	465	326	84
29	37	11	1970	1340	1250	2240	429	402	1400	536	332	120
30	31	11	1850	1180	---	2200	476	439	1350	613	342	164
31	26	---	1720	1010	---	2120	---	527	---	635	362	---
TOTAL	3426	498.1	26964.5	44214	10932	39977	19284	13015	60660	16166	13281	7685
MEAN	111	16.6	870	1426	377	1290	643	420	2022	521	428	256
MAX	370	31	2150	2100	1250	2240	2000	724	3060	1300	623	500
MIN	26	9.4	8.0	413	135	548	178	139	648	214	262	79
AC-FT	6800	988	53480	87700	21680	79290	38250	25820	120300	32070	26340	15240
CFSM	.09	.01	.74	1.22	.32	1.10	.55	.36	1.73	.44	.37	.22
IN.	.11	.02	.86	1.40	.35	1.27	.61	.41	1.93	.51	.42	.24

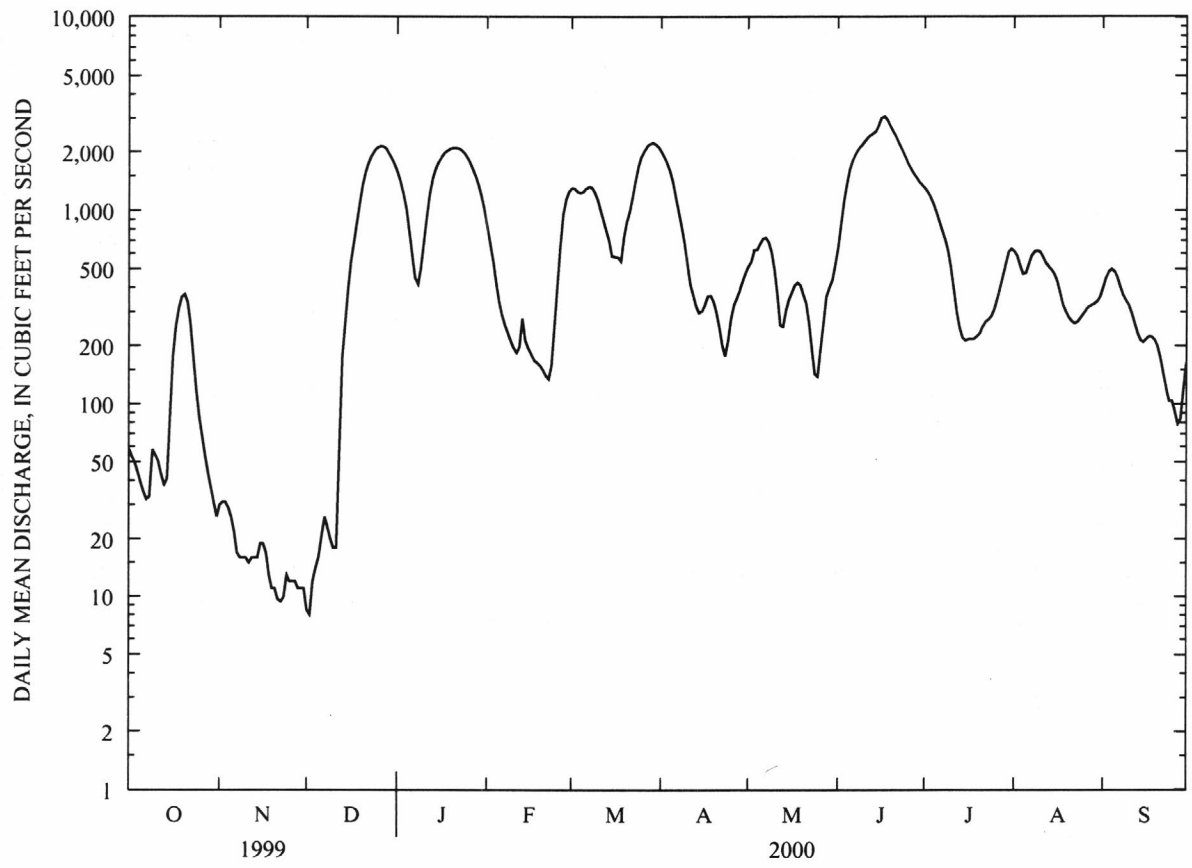
07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

MEAN	581	1076	2114	2355	2363	2311	1802	1236	755	693	704	449
MAX	2067	3211	4762	6779	5238	5759	3585	3595	2022	1413	2591	748
(WY)	1991	1997	1994	1991	1989	1989	1997	1991	2000	1994	1998	1991
MIN	55.9	16.6	44.9	744	377	303	515	217	116	274	348	201
(WY)	1988	2000	1990	1990	2000	1996	1995	1987	1988	1990	1990	1987

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	360415.6		256102.6			
ANNUAL MEAN	987		700		1378	
HIGHEST ANNUAL MEAN					2356	1989
LOWEST ANNUAL MEAN					560	1996
HIGHEST DAILY MEAN	3970	Feb 7	3060	Jun 17	9770	Dec 28 1987
LOWEST DAILY MEAN	8.0	Dec 2	8.0	Dec 2	8.0	Dec 2 1999
ANNUAL SEVEN-DAY MINIMUM	10	Nov 26	10	Nov 26	10	Nov 26 1999
INSTANTANEOUS PEAK FLOW			3080	Jun 16	9950	Dec 28 1987
INSTANTANEOUS PEAK STAGE			16.86	Jun 16,17	[a]20.22	Dec 28 1987
INSTANTANEOUS LOW FLOW			7.8	Dec 1,2	7.8	Dec 1,2 1999
ANNUAL RUNOFF (AC-FT)	714900		508000		998600	
ANNUAL RUNOFF (CFSM)	.84		.60		1.18	
ANNUAL RUNOFF (INCHES)	11.44		8.13		15.98	
10 PERCENT EXCEEDS	2150		1970		3360	
50 PERCENT EXCEEDS	591		400		726	
90 PERCENT EXCEEDS	26		26		140	

[a]From floodmark



07077700 BAYOU DEVIEW NEAR 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to May 1973, August 1973 to September 1977, October 1997 to current year in reports of Geological Survey. February 1939 to December 1963 in reports of Mississippi River Commission. January 1964 to date in reports of U.S. Army Corps of Engineers, Memphis District.

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

GAGE.--Water-stage recorder. Datum of gage is 187.71 ft above sea level. Nonrecording gage prior to Nov. 8, 1949. At datum 0.26 ft below sea level prior to Jan. 1, 1952.

REMARKS.--No estimated daily discharges. Water-discharge records good except those below 10 ft^3/s, which are poor. Satellite telemeter at station.

COOPERATION.--Gage-height records furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

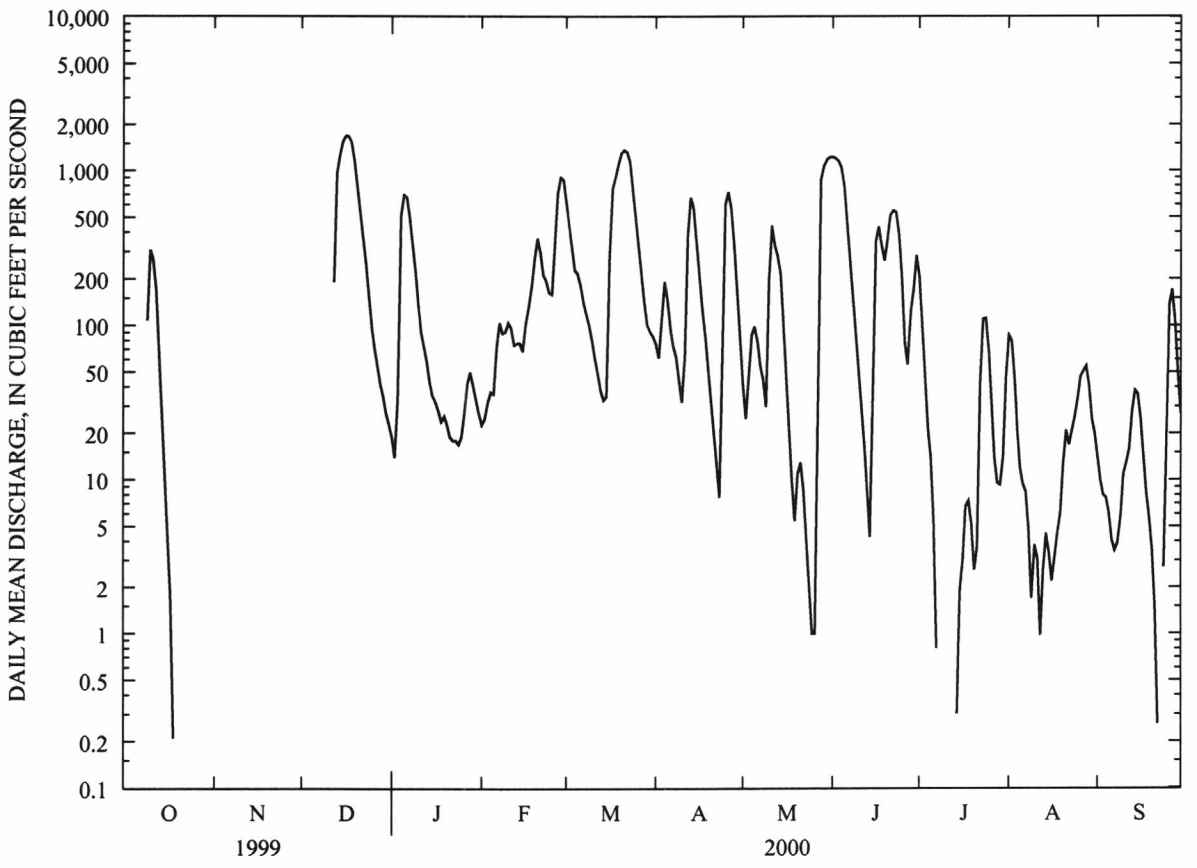
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	19	23	640	76	42	1230	210	87	14
2	.00	.00	.00	14	25	449	62	25	1210	97	80	10
3	.00	.00	.00	33	32	319	103	45	1160	44	46	8.0
4	.00	.00	.00	510	37	227	193	87	1050	22	21	7.7
5	.00	.00	.00	697	36	215	147	99	797	14	12	6.1
6	.00	.00	.00	675	72	182	97	80	533	5.5	9.4	4.1
7	.00	.00	.00	500	104	142	73	55	331	.80	8.4	3.5
8	.00	.00	.00	336	89	118	63	45	188	.00	4.8	3.9
9	108	.00	.00	225	91	100	44	30	96	.00	1.7	5.8
10	308	.00	.00	137	104	80	32	197	50	.00	3.8	11
11	267	.00	.00	91	96	61	62	441	28	.00	3.1	13
12	174	.00	191	72	75	49	372	332	17	.00	.97	16
13	84	.00	966	58	77	38	670	281	8.4	.00	2.6	28
14	35	.00	1270	43	77	33	577	218	4.3	.30	4.5	38
15	14	.00	1570	35	68	35	364	113	61	1.9	3.4	36
16	5.6	.00	1700	32	102	263	213	53	352	3.0	2.2	25
17	1.8	.00	1690	28	134	766	124	22	436	6.8	3.2	14
18	.21	.00	1530	24	181	908	85	9.8	330	7.4	4.6	8.4
19	.00	.00	1170	26	271	1100	52	5.4	263	5.2	6.1	5.8
20	.00	.00	803	23	366	1300	35	11	358	2.6	13	3.6
21	.00	.00	542	19	295	1370	22	13	517	3.7	21	1.5
22	.00	.00	362	18	212	1330	13	8.7	554	43	17	.26
23	.00	.00	252	18	194	1140	7.7	4.3	540	110	21	.00
24	.00	.00	162	17	164	767	116	2.0	394	112	26	2.7
25	.00	.00	99	19	159	502	606	1.0	209	69	34	38
26	.00	.00	71	27	309	345	732	1.0	79	31	47	137
27	.00	.00	54	42	712	228	574	132	56	14	51	171
28	.00	.00	42	50	903	140	341	877	124	9.6	55	108
29	.00	.00	35	41	876	100	172	1090	174	9.3	41	51
30	.00	.00	27	33	---	91	81	1190	285	14	25	27
31	.00	---	23	27	---	85	---	1230	---	46	20	---
TOTAL	997.61	0.00	12559.00	3889	5884	13123	6108.7	6740.2	11434.7	882.10	675.77	798.36
MEAN	32.2	.000	405	125	203	423	204	217	381	28.5	21.8	26.6
MAX	308	.00	1700	697	903	1370	732	1230	1230	210	87	171
MIN	.00	.00	.00	14	23	33	7.7	1.0	4.3	.00	.97	.00
AC-FT	1980	.00	24910	7710	11670	26030	12120	13370	22680	1750	1340	1580
CFSM	.08	.00	.96	.30	.48	1.01	.48	.52	.91	.07	.05	.06
IN.	.09	.00	1.11	.34	.52	1.16	.54	.60	1.01	.08	.06	.07

07077700 BAYOU DEVIEW NEAR MORTON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-77, 1999-00, BY WATER YEAR (WY)

MEAN	121	354	596	887	1001	987	787	551	310	155	196	207
MAX	1798	2811	2271	3917	3837	2658	1981	2389	2173	682	1020	1073
(WY)	1950	1958	1952	1950	1956	1945	1957	1958	1945	1967	1966	1965
MIN	.000	.000	.000	12.8	2.96	44.2	24.2	5.55	4.47	.000	.065	.000
(WY)	1957	1954	1963	1964	1963	1941	1963	1948	1941	1954	1947	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939-77, 1999-00	
ANNUAL TOTAL	114672.30		63092.44			
ANNUAL MEAN	314		172		498	
HIGHEST ANNUAL MEAN					1312	1950
LOWEST ANNUAL MEAN					141	1941
HIGHEST DAILY MEAN	2180	Jan 25	1700	Dec 16	6640	Nov 23 1957
LOWEST DAILY MEAN	.00	May 26	.00	Oct 1	.00	Aug 7 1943
ANNUAL SEVEN-DAY MINIMUM	.00	May 26	.00	Oct 1	.00	Aug 7 1943
INSTANTANEOUS PEAK FLOW			1730	Dec 16,17	6700	Nov 23 1957
INSTANTANEOUS PEAK STAGE			17.61	Dec 16,17	18.75	May 2 1973
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	227500		125100		360600	
ANNUAL RUNOFF (CFSM)	.75		.41		1.18	
ANNUAL RUNOFF (INCHES)	10.13		5.57		16.07	
10 PERCENT EXCEEDS	1250		560		1770	
50 PERCENT EXCEEDS	50		36		110	
90 PERCENT EXCEEDS	.00		.00		.00	



07077700 BAYOU DEVIEW AT MORTON--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
NOV 22...	1030	81213	80513	.00	748	84	8.7	7.7	386	12.8	130
JAN 26...	1200	81213	80513	23	771	65	8.6	7.5	274	4.2	90
MAR 07...	1315	81213	80513	156	775	68	7.3	7.4	234	12.7	78
APR 18...	1000	81213	80513	92	766	48	4.7	7.7	164	17.3	50

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 22...	34	11	14	.6	16	19	111	24	37	<.010	1.4
JAN 26...	23	7.9	8.9	.6	14	23	81	15	19	.040	1.0
MAR 07...	20	6.9	6.5	.6	12	23	91	11	13	.140	1.6
APR 18...	13	4.3	5.2	.5	7.9	23	44	7.0	16	.190	1.4

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
NOV 22...	--	<.020	--	--	--	--	--	<.010	.15	.050	.050
JAN 26...	--	.200	.96	1.2	.05	--	--	<.010	.34	.130	.110
MAR 07...	.260	.280	1.5	1.9	.18	1.2	.07	.020	.25	.090	.080
APR 18...	.340	.360	1.2	1.8	.24	1.5	.07	.020	.31	.110	.100

DATE	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 22...	.190	.33	--	241	203	K24	62	K32	--	114	99
JAN 26...	.270	.23	10.4	167	138	K58	K65	K29	4.3	69	97
MAR 07...	.320	.21	65.3	155	126	130	160	70	56	134	98
APR 18...	.380	.15	26.6	107	82	84	87	100	39	156	99

07077700 BAYOU DEVIEW AT MORTON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
11...	1215	81213	80513	748	99	7.3	7.9
11...	1220	80513	80513	748	116	8.5	7.4
11...	1221	80513	80513	748	115	8.4	7.3
11...	1222	80513	80513	748	91	6.7	7.2
11...	1223	80513	80513	748	121	8.8	7.3
11...	1224	80513	80513	748	107	7.8	7.2
11...	1225	80513	80513	748	74	5.5	7.1
11...	1226	80513	80513	748	61	4.5	7.1
11...	1227	80513	80513	748	88	6.6	7.1
11...	1228	80513	80513	748	113	8.3	7.2
11...	1229	80513	80513	748	102	7.7	8.1

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
11...	240	30.0	--	--	--	--
11...	243	30.4	2.50	140	233	1.25
11...	239	30.4	3.00	140	219	1.50
11...	237	30.4	3.00	140	205	1.50
11...	230	30.6	3.00	140	191	1.50
11...	232	30.3	2.50	140	177	1.25
11...	230	29.6	3.00	140	163	1.50
11...	220	29.5	3.00	140	149	1.50
11...	238	29.7	3.00	140	135	1.50
11...	244	30.6	2.50	140	121	1.25
11...	246	28.9	1.00	140	107	.50

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL												
11...	1215	1.4	85	22	7.2	4.8	.5	11	21	84	8.2	14

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
JUL												
11...	.020	1.8	.210	.250	1.8	2.0	.03	.93	.13	.040	.18	.070

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL												
11...	.060	.320	.21	.58	153	119	K15	84	K33	.34	90	95

07077700 BAYOU DEVIEW AT MORTON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
AUG 30...	1105	81213	80513	52	760	57	4.3	6.6	592	29.7	250

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
AUG 30...	65	22	3.6	.7	26	18	190	21	42	.020

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
AUG 30...	.54	.110	.52	.65	.03	<.010	.37	.130	.120	.200

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 30...	.49	51.0	363	294	K30	K30	80	17	120	92

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1979 to December 1981, October 1985 to September 1986, August 1995 to current year. Occasional low-flow discharge measurements 1957-63; occasional discharge measurements 1974-78, 1982-85, and 1990-95.

GAGE.--Water-stage recorder. Datum of gage is 1,017.90 ft above sea level.

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

REVISIONS.--Some peak discharges and the annual maximum (*) discharges reported for water years 1986 and 1997-99 and the daily discharges, in cubic feet per second, for some high-water periods in these years have been revised as listed below. These figures supersede those published in reports for 1986 and 1997-99.

Extremes:

Water Year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
1986	Nov. 19, 1985	unknown	*31,500	[b]*18.42
	Sep. 30, 1986	2145	13,400	16.46
1997	Nov. 7, 1996	0830	*11,200	*15.94
1998	Jan. 4, 1998	1745	*30,200	*18.32
1999	June 30, 1999	1315	*12,500	*16.25

[a]From floodmarks

Daily Discharges:

Nov. 19, 1985 10,500 Nov. 20, 1985 4,500 Sep. 30, 1986 6,850

Month	Total	Mean	Max	Min	Cfsm	In.
November 1985	23,821	794	10,500	10	4.75	5.31
September 1986	11,765	392	6,850	12	2.35	2.62
Water Year 1986	89,419.7	245	10,500	9.3	1.47	19.92

Daily Discharges:

Nov. 7, 1996 6,020 Feb. 21, 1997 4,600

Month	Total	Mean	Max	Min	Cfsm	In.
November 1996	29,427	981	6,020	138	5.87	6.55
February 1997	12,492	446	4,600	38	2.67	2.78
Calendar Year 1996	74,958.6	205	6,020	6.3	1.23	16.70
Water Year 1997	73,078.9	200	6,020	9.2	1.20	16.28

Daily Discharges:

Jan. 4, 1998 8,530

Month	Total	Mean	Max	Min	Cfsm	In.
January 1998	27,357	882	8,530	111	5.28	6.09
Calendar Year 1997	45,285.9	124	4,600	9.2	0.74	10.09
Water Year 1998	72,920.4	200	8,530	5.0	1.20	16.24

Daily Discharges:

June 30, 1999 5,110

Month	Total	Mean	Max	Min	Cfsm	In.
June 1999	9,956	332	5,110	107	1.99	2.22
Calendar Year 1998	77,529.4	212	8,530	5.0	1.27	17.27
Water Year 1999	76,298	209	5,110	10	1.25	17.00

07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	21	10	15	30	50	76	175	102	761	40	8.3
2	9.0	18	10	15	29	49	75	149	78	649	36	8.0
3	9.2	15	16	341	29	486	71	302	89	572	33	7.8
4	9.0	13	35	254	33	407	61	239	63	370	30	7.6
5	9.1	13	58	156	38	263	54	154	57	283	28	7.3
6	9.1	12	33	113	38	199	50	612	47	228	25	7.1
7	8.7	12	23	86	37	158	46	662	40	193	24	7.3
8	8.9	12	19	75	36	164	42	333	36	167	22	7.4
9	9.2	12	27	74	35	168	39	256	33	147	20	8.0
10	9.8	12	165	66	34	134	38	246	77	130	20	8.2
11	11	11	62	57	32	132	461	176	215	115	19	7.6
12	10	11	501	51	31	137	386	135	136	102	18	16
13	9.4	12	239	46	30	125	220	105	94	92	17	14
14	9.0	11	133	41	29	109	161	81	344	84	16	9.6
15	8.9	11	90	38	27	96	125	67	460	77	15	7.8
16	9.0	11	63	37	26	86	109	60	234	71	15	7.1
17	9.0	11	48	36	243	77	99	57	3830	66	14	6.7
18	9.0	11	39	36	336	76	82	49	1290	63	14	6.5
19	9.6	10	33	34	189	79	72	43	853	58	14	6.0
20	9.8	10	28	32	138	74	68	39	624	62	13	5.3
21	9.9	11	24	31	108	66	67	37	9240	68	12	5.4
22	10	11	22	30	88	61	56	35	2080	68	11	5.0
23	9.8	17	20	30	75	59	53	32	1270	69	11	10
24	9.9	17	19	29	65	88	54	30	1540	57	11	113
25	10	13	18	28	58	98	47	52	1090	49	10	36
26	11	11	17	27	85	88	42	61	878	45	9.6	19
27	11	11	17	29	82	146	39	1980	607	42	9.2	15
28	11	11	16	31	65	123	35	798	6240	40	8.8	13
29	10	10	16	32	56	100	33	347	2210	51	8.5	12
30	13	10	16	30	---	101	31	207	1120	61	8.4	11
31	22	---	16	30	---	86	---	140	---	47	8.2	---
TOTAL	313.8	371	1833	1930	2102	4085	2792	7659	34977	4887	540.7	403.0
MEAN	10.1	12.4	59.1	62.3	72.5	132	93.1	247	1166	158	17.4	13.4
MAX	22	21	501	341	336	486	461	1980	9240	761	40	113
MIN	8.7	10	10	15	26	49	31	30	33	40	8.2	5.0
AC-FT	622	736	3640	3830	4170	8100	5540	15190	69380	9690	1070	799
CFSM	.06	.07	.35	.37	.43	.79	.56	1.48	6.98	.94	.10	.08
IN.	.07	.08	.41	.43	.47	.91	.62	1.71	7.79	1.09	.12	.09

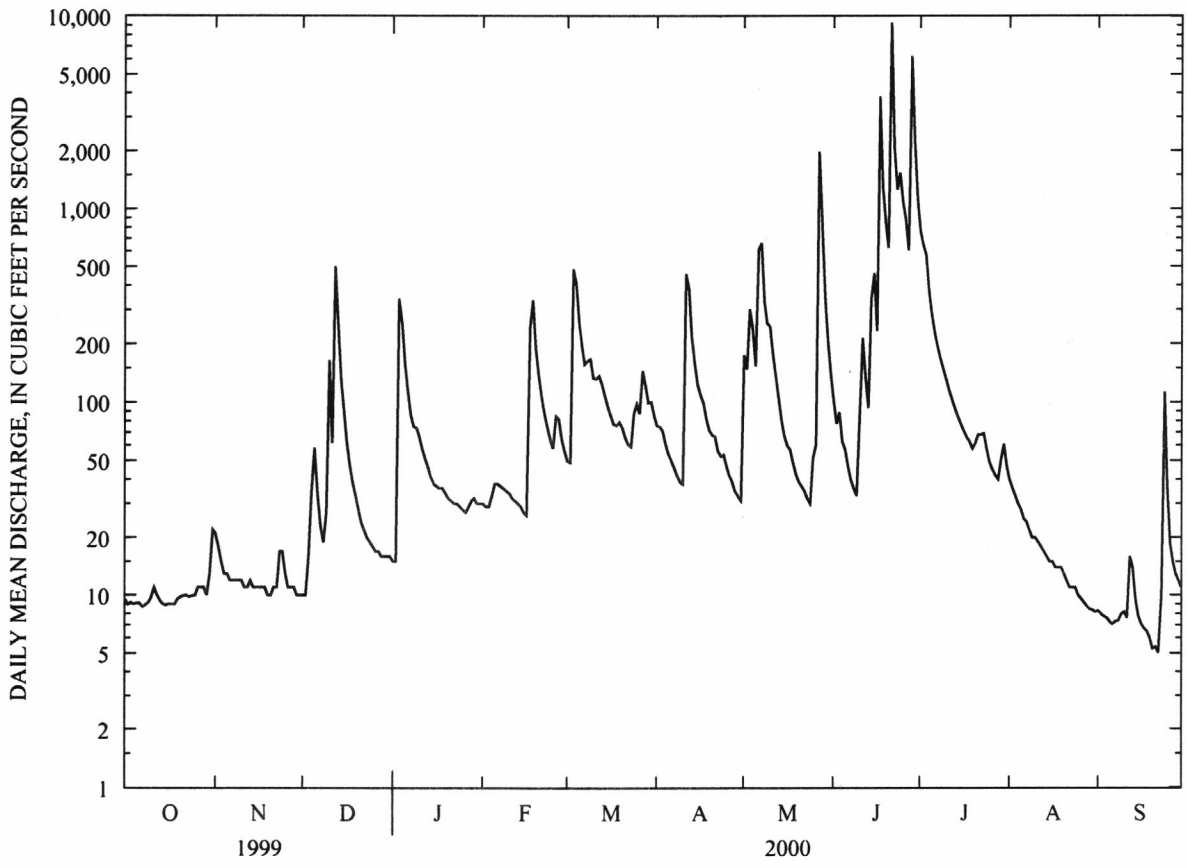
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980, 86, 1996-00, BY WATER YEAR (WY)

MEAN	54.9	234	119	169	162	224	229	203	255	56.4	25.6	75.8
MAX	180	981	349	882	446	608	533	519	1166	158	62.3	392
(WY)	1999	1997	1986	1998	1997	1998	1986	1999	2000	2000	1981	1986
MIN	10.1	12.4	12.0	6.68	18.3	44.6	53.8	32.7	24.3	5.43	2.23	3.73
(WY)	2000	2000	1980	1981	1980	1996	1980	1997	1998	1980	1980	1980

07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980, 86, 1996-00	
ANNUAL TOTAL	65113.8		61893.5			
ANNUAL MEAN	178		169		153	
HIGHEST ANNUAL MEAN					245	1986
LOWEST ANNUAL MEAN					33.7	1980
HIGHEST DAILY MEAN	5110	Jun 30	9240	Jun 21	10500	Nov 19 1985
LOWEST DAILY MEAN	8.7	Oct 7	5.0	Sep 22	1.8	Aug 10 1980
ANNUAL SEVEN-DAY MINIMUM	9.0	Oct 2	6.0	Sep 16	1.9	Aug 22 1980
INSTANTANEOUS PEAK FLOW			23500	Jun 21	31500	Nov 19 1985
INSTANTANEOUS PEAK STAGE			17.74	Jun 21	[a]18.42	Nov 19 1985
INSTANTANEOUS LOW FLOW			4.7	Sep 20,22	1.6	Aug 11 1980
ANNUAL RUNOFF (AC-FT)	129200		122800		111000	
ANNUAL RUNOFF (CFSM)	1.07		1.01		.92	
ANNUAL RUNOFF (INCHES)	14.50		13.79		12.47	
10 PERCENT EXCEEDS	394		258		307	
50 PERCENT EXCEEDS	64		38		35	
90 PERCENT EXCEEDS	11		9.2		9.0	

[a]From floodmarks



07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT										
20...	1030	81213	80513	9.8	743	69	7.3	7.3	330	11.5
DEC										
14...	1700	81213	80513	124	725	92	10.2	7.3	205	8.5
FEB										
08...	1130	81213	80513	36	742	112	13.4	7.3	301	6.4
APR										
10...	1000	81213	80513	39	732	93	9.2	7.9	271	13.6
JUN										
28...	1000	81213	80513	490	735	82	7.0	7.7	195	21.2

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT										
20...	140	54	2.3	3.0	.3	7.2	10	10	4.9	.040
DEC										
14...	92	33	2.3	3.0	.2	4.0	8	6.4	14	.160
FEB										
08...	120	45	2.5	2.2	.3	6.5	10	9.8	19	<.010
APR										
10...	120	42	2.6	2.3	.2	5.5	9	7.5	14	.010
JUN										
28...	89	32	2.2	3.0	.2	3.6	8	5.8	9.2	.020

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT										
20...	<.84	--	1.30	--	--	.05	--	--	<.010	.09
DEC										
14...	.46	3.18	3.20	.30	3.7	.21	14	.07	.020	.06
FEB										
08...	.20	1.88	1.90	--	2.1	--	8.3	.07	.020	--
APR										
10...	.23	1.08	1.10	.22	1.3	.01	4.8	.07	.020	--
JUN										
28...	.37	2.09	2.10	.35	2.5	.03	9.3	.03	.010	.06

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
20...	.040	.030	.040	181	K24	24	K100	.58	22	100
DEC										
14...	.060	.020	.090	137	530	740	1200	14	43	95
FEB										
08...	<.020	<.010	.040	168	K20	K25	K19	2.5	26	96
APR										
10...	<.020	<.010	.040	160	52	160	37	3.9	37	98
JUN										
28...	.080	.020	.140	139	340	2900	2000	83	63	98

07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
02...	0825	80513	80513	739	86	7.1	7.5
02...	0826	80513	80513	739	88	7.3	7.5
02...	0827	80513	80513	739	86	7.1	7.5
02...	0828	80513	80513	739	86	7.1	7.5
02...	0829	80513	80513	739	86	7.1	7.4
02...	0830	80513	80513	739	86	7.1	7.4
02...	0831	80513	80513	739	86	7.1	7.5
02...	0832	80513	80513	739	85	7.1	7.4
02...	0833	80513	80513	739	86	7.1	7.4
02...	0834	80513	80513	739	85	7.1	7.4

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG						
02...	293	23.1	1.00	75.0	79.0	.50
02...	293	23.1	1.00	75.0	86.0	.50
02...	292	23.1	1.00	75.0	93.0	.50
02...	293	23.1	1.00	75.0	100	.50
02...	293	23.2	1.00	75.0	107	.50
02...	293	23.2	1.00	75.0	114	.50
02...	293	23.1	1.00	75.0	121	.50
02...	293	23.1	1.00	75.0	128	.50
02...	293	23.1	1.00	75.0	135	.50
02...	292	23.1	1.00	75.0	142	.50

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
AUG										
08...	0900	81213	80513	23	735	85	6.6	7.9	295	26.6

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
AUG										
08...	130	50	2.3	2.8	.2	5.8	8	8.4	7.2	.040

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG									
08...	<.20	2.18	2.20	.05	9.6	.07	.020	.12	.040

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG									
08...	.040	.060	180	150	260	430	2.5	41	100

07194809 MUD CREEK TRIBUTARY AT TOWNSHIP STREET AT FAYETTEVILLE

LOCATION.--Lat 36°05'36", long 94°08'13", in NW1/4NW1/4 sec.2, T.16 N., R.30 W., Washington County, Hydrologic Unit 11110003, downstream of the culvert at Township Street.

DRAINAGE AREA.--1.22 mi².

PERIOD OF RECORD.--September 1996 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.2	.00	.01	.01	.16	.42	2.3	.28	1.5	.00	.00
2	.00	.09	.01	.13	.01	2.3	.37	.17	.26	e9.0	.00	.00
3	.00	.00	1.7	5.7	.08	2.8	.30	3.0	.25	4.3	.00	.00
4	.00	.00	3.0	.34	.04	.86	.21	.12	.30	.46	.00	.00
5	.00	.00	.25	.18	.01	.58	.22	.11	.68	.20	.00	.00
6	.00	.00	.04	.15	.02	.54	.18	3.0	.11	.18	.00	.00
7	.00	.00	.01	.11	.04	.50	.20	.72	.11	.10	.00	.00
8	.00	.00	.03	.25	.07	1.7	.09	.40	.08	.05	.00	.00
9	.07	.00	3.6	.17	.04	.54	.08	.75	e3.1	.04	.00	.00
10	.01	.00	.56	.12	.04	.42	.08	.24	1.2	.00	.00	.00
11	.01	.00	1.6	.07	.00	.65	1.5	.24	.69	.00	.00	.00
12	.00	.02	6.3	.13	.00	.46	.23	.18	.43	.00	.00	1.8
13	.00	.03	.96	.04	.02	.45	.26	.06	.36	.00	.00	.00
14	.00	.02	.57	.00	.00	.44	.15	.00	6.0	.00	.00	.00
15	.00	.00	.31	.03	.33	.43	.15	.03	1.4	.00	.00	.00
16	.00	.00	.23	.06	.00	.35	.28	.09	1.1	.00	.00	.00
17	.00	.00	.20	.08	6.2	.27	.18	3.7	35	.00	.00	.00
18	.00	.00	.18	.04	1.3	.81	.14	.04	2.9	.00	.00	.00
19	.00	.00	.15	.02	.53	.37	.11	.00	5.5	.00	.00	.00
20	.00	.00	.11	.00	.43	.34	.41	.03	3.8	1.3	.00	.00
21	.00	.00	.07	.00	.39	.31	.00	.14	27	.19	.00	.00
22	.00	.00	.07	.00	.43	.42	.00	.03	4.1	.04	.00	.00
23	.00	1.2	.07	.00	.54	.45	.07	.02	4.2	.00	.00	2.3
24	.00	.00	.08	.00	.50	.39	.01	.42	e10	.00	.00	7.0
25	.00	.00	.06	.00	.72	.44	.00	1.7	2.5	.00	.00	.48
26	.00	.00	.03	.00	.53	.72	.00	1.2	e7.5	.00	.00	.25
27	.00	.00	.00	.00	.25	.46	.00	8.6	2.9	.01	.00	.18
28	.00	.00	.02	.00	.17	.40	.00	.91	33	.00	.00	.13
29	.00	.00	.04	.00	.19	.71	.00	.44	8.8	.86	.00	.14
30	2.2	.00	.07	.05	---	.37	.00	.30	1.5	.00	.00	.07
31	.98	---	.06	.04	---	.36	---	.34	---	.00	.00	---
TOTAL	3.27	2.56	20.38	7.72	12.89	20.00	5.64	29.28	165.05	18.23	0.00	12.35
MEAN	.11	.085	.66	.25	.44	.65	.19	.94	5.50	.59	.000	.41
MAX	2.2	1.2	6.3	5.7	6.2	2.8	1.5	8.6	35	9.0	.00	7.0
MIN	.00	.00	.00	.00	.00	.16	.00	.00	.08	.00	.00	.00
AC-FT	6.5	5.1	40	15	26	40	11	58	327	36	.00	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

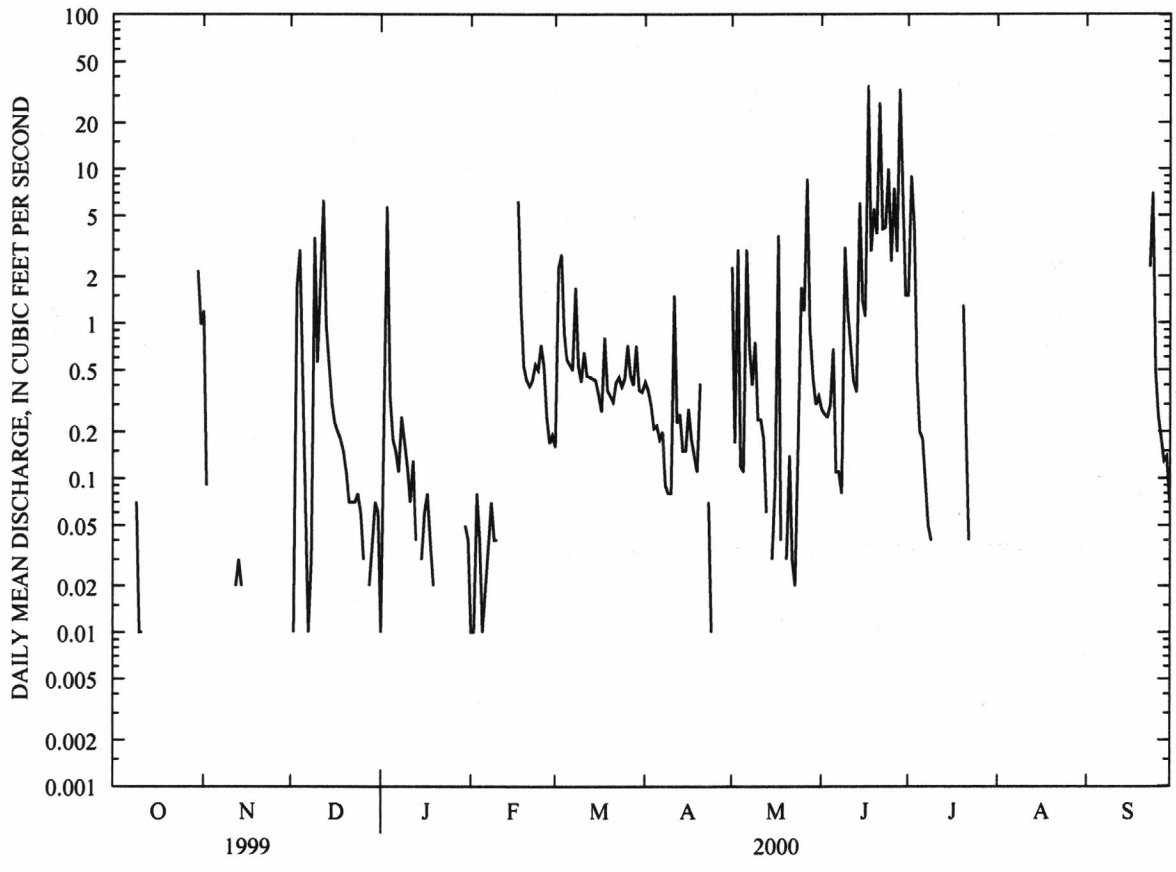
MEAN	1.07	1.60	.67	2.02	1.88	3.35	1.37	1.17	2.31	.28	.22	.61
MAX	3.07	4.92	1.02	6.53	3.68	7.02	3.03	1.76	5.50	.59	.61	1.08
(WY)	1999	1997	1999	1998	1997	1998	1997	1999	2000	2000	1997	1998
MIN	.11	.085	.11	.25	.44	.65	.19	.78	.23	.073	.000	.12
(WY)	2000	2000	1997	2000	2000	2000	2000	1997	1998	1998	2000	1999

07194809 MUD CREEK TRIBUTARY AT TOWNSHIP STREET AT FAYETTEVILLE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	287.84		297.37			
ANNUAL MEAN	.79		.81		1.38	
HIGHEST ANNUAL MEAN					1.83	1998
LOWEST ANNUAL MEAN					.81	2000
HIGHEST DAILY MEAN	36	Jun 30	35	Jun 17	80	Jan 4 1998
LOWEST DAILY MEAN	.00	Jul 29	.00	Oct 1	.00	Sep 19 1996
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 5	.00	Oct 1	.00	Sep 28 1996
INSTANTANEOUS PEAK FLOW			[a]267	Jun 17	[a]553	Jun 30 1999
INSTANTANEOUS PEAK STAGE			3.32	Jun 17	4.54	Jun 30 1999
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	571		590		996	
10 PERCENT EXCEEDS	1.7		1.6		3.4	
50 PERCENT EXCEEDS	.25		.05		.20	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

[a]From rating curve extended above 100 ft^3/s on basis of slope-area measurement of peak flow
[e]Estimated



07194880 OSAGE CREEK NEAR CAVE SPRINGS

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 State Highway 35, 6.0 mi south of Sheridan.

DRAINAGE AREA.--34.7 mi^2.

PERIOD OF RECORD.--October 1990 to September 1993, April 2000 to September 2000.

GAGE.--Water-stage recorder. Datum of gage is 1131.59 ft above sea level.

REMARKS.--Records good except estimated daily discharges, which are fair. Some regulation by City of Rogers sewage treatment facility, 1.5 mi upstream. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 2,980 ft^3/s June 21, gage height, 9.85 ft; minimum 13 ft^3/s Sept. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	52	29	144	37	e17
2	---	---	---	---	---	---	---	28	28	266	35	e15
3	---	---	---	---	---	---	---	68	29	180	32	e14
4	---	---	---	---	---	---	---	48	33	123	28	e15
5	---	---	---	---	---	---	---	30	79	103	27	e16
6	---	---	---	---	---	---	---	101	42	91	26	16
7	---	---	---	---	---	---	25	71	38	80	25	16
8	---	---	---	---	---	---	26	39	38	73	25	15
9	---	---	---	---	---	---	27	48	39	65	24	15
10	---	---	---	---	---	---	25	44	41	60	24	15
11	---	---	---	---	---	---	71	36	49	56	23	15
12	---	---	---	---	---	---	44	28	61	51	20	23
13	---	---	---	---	---	---	38	24	57	48	21	19
14	---	---	---	---	---	---	32	20	137	44	21	17
15	---	---	---	---	---	---	29	20	105	39	21	17
16	---	---	---	---	---	---	26	22	69	34	20	17
17	---	---	---	---	---	---	27	22	887	33	19	16
18	---	---	---	---	---	---	28	20	244	32	e18	16
19	---	---	---	---	---	---	27	18	172	31	e19	15
20	---	---	---	---	---	---	25	17	140	41	19	16
21	---	---	---	---	---	---	26	18	1400	38	19	15
22	---	---	---	---	---	---	25	e18	323	36	19	14
23	---	---	---	---	---	---	22	e18	196	33	19	69
24	---	---	---	---	---	---	22	e18	181	31	18	127
25	---	---	---	---	---	---	24	95	146	30	18	39
26	---	---	---	---	---	---	21	38	163	29	17	28
27	---	---	---	---	---	---	20	39	129	32	16	25
28	---	---	---	---	---	---	19	37	1110	27	16	24
29	---	---	---	---	---	---	22	31	346	306	16	22
30	---	---	---	---	---	---	21	28	192	70	e18	20
31	---	---	---	---	---	---	---	29	---	42	e18	---
TOTAL	---	---	---	---	---	---	---	1125	6503	2268	678	708
MEAN	---	---	---	---	---	---	---	36.3	217	73.2	21.9	23.6
MAX	---	---	---	---	---	---	---	101	1400	306	37	127
AC-FT	---	---	---	---	---	---	---	2230	12900	4500	1340	1400
CFSM	---	---	---	---	---	---	---	1.05	6.25	2.11	.63	.68
IN.	---	---	---	---	---	---	---	1.21	6.97	2.43	.73	.76

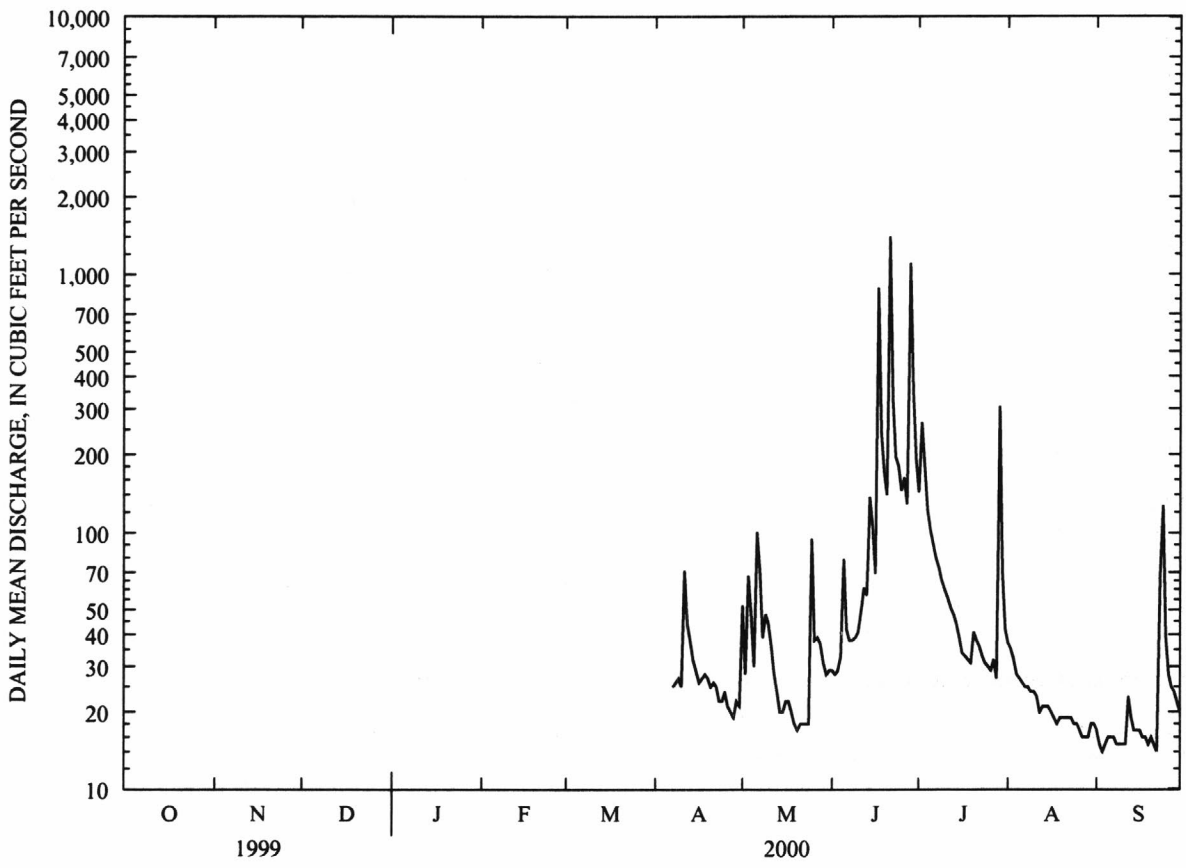
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991-93, 2000, BY WATER YEAR (WY)

MEAN	30.5	62.4	91.1	82.2	52.6	43.6	76.3	53.5	101	40.0	20.9	40.1
MAX	43.5	77.7	160	135	73.6	75.8	93.1	107	217	73.2	26.2	98.4
(WY)	1991	1993	1993	1991	1993	1993	1991	1993	2000	2000	1992	1993

07194880 OSAGE CREEK NEAR CAVE SPRINGS--CONTINUED

SUMMARY STATISTICS	WATER YEARS 1991-93, 2000	
ANNUAL MEAN	55.4	
HIGHEST ANNUAL MEAN	77.0	1993
HIGHEST DAILY MEAN	1630	Dec 15 1992
LOWEST DAILY MEAN	11	Sep 15 1991
ANNUAL SEVEN-DAY MINIMUM	12	Oct 6 1991
INSTANTANEOUS PEAK FLOW	2980	Jun 21 2000
INSTANTANEOUS PEAK STAGE	9.85	Jun 21 2000
INSTANTANEOUS LOW FLOW	8.3	[a]Oct 10 1991
ANNUAL RUNOFF (AC-FT)	40120	
ANNUAL RUNOFF (CFSM)	1.60	
ANNUAL RUNOFF (INCHES)	21.68	
10 PERCENT EXCEEDS	95	
50 PERCENT EXCEEDS	33	
90 PERCENT EXCEEDS	16	

[a]Also Oct. 11-12, 18, 20, 21, 22, 1991
[e]Estimates



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.--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. Low flow slightly regulated by operation of small lake at Cave Springs, and northwest Arkansas sewage treatment plant. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	117	74	60	70	68	59	132	78	428	148	84
2	63	110	75	63	68	73	50	86	73	534	138	70
3	57	98	106	272	70	261	54	113	65	443	130	68
4	62	94	233	150	71	166	56	105	62	335	123	83
5	66	94	208	121	61	122	56	81	125	293	112	84
6	e65	86	109	112	56	113	59	229	82	267	104	92
7	e62	76	92	107	65	108	60	185	72	245	107	91
8	e71	81	85	100	68	113	49	122	71	220	108	89
9	75	86	171	93	67	99	45	139	69	204	102	79
10	74	85	159	94	70	89	49	134	114	201	101	70
11	73	84	112	93	64	86	113	111	98	197	98	80
12	77	83	333	90	57	75	83	100	103	188	88	138
13	74	78	168	85	55	76	73	82	92	179	81	103
14	74	73	136	79	58	75	67	68	233	170	87	90
15	77	75	116	74	61	77	58	72	179	158	89	85
16	72	80	102	75	62	73	56	78	118	147	86	76
17	65	84	95	83	156	68	57	81	1800	151	85	66
18	71	84	83	82	116	64	61	77	471	151	79	75
19	77	86	77	80	81	62	64	73	278	146	83	78
20	76	78	80	73	72	64	63	61	217	170	88	78
21	77	71	80	70	76	63	58	57	4010	163	93	76
22	76	82	78	68	80	67	51	62	984	149	90	77
23	69	123	73	63	79	69	49	67	556	137	94	196
24	64	96	67	65	76	73	57	68	502	133	92	357
25	70	84	60	66	78	65	59	182	394	130	85	142
26	75	73	59	65	78	59	56	114	370	125	77	114
27	73	68	65	67	65	64	56	291	308	140	72	100
28	72	65	68	62	68	64	56	127	2400	125	82	89
29	77	70	70	62	71	78	53	94	991	519	87	83
30	96	73	71	58	---	70	49	87	566	227	89	72
31	132	---	66	64	---	65	---	85	---	163	86	---
TOTAL	2281	2537	3371	2696	2119	2669	1776	3363	15481	6838	2984	2985
MEAN	73.6	84.6	109	87.0	73.1	86.1	59.2	108	516	221	96.3	99.5
MAX	132	123	333	272	156	261	113	291	4010	534	148	357
MIN	57	65	59	58	55	59	45	57	62	125	72	66
AC-FT	4520	5030	6690	5350	4200	5290	3520	6670	30710	13560	5920	5920
CFSM	.57	.65	.84	.67	.56	.66	.46	.83	3.97	1.70	.74	.77
IN.	.65	.73	.96	.77	.61	.76	.51	.96	4.43	1.96	.85	.85

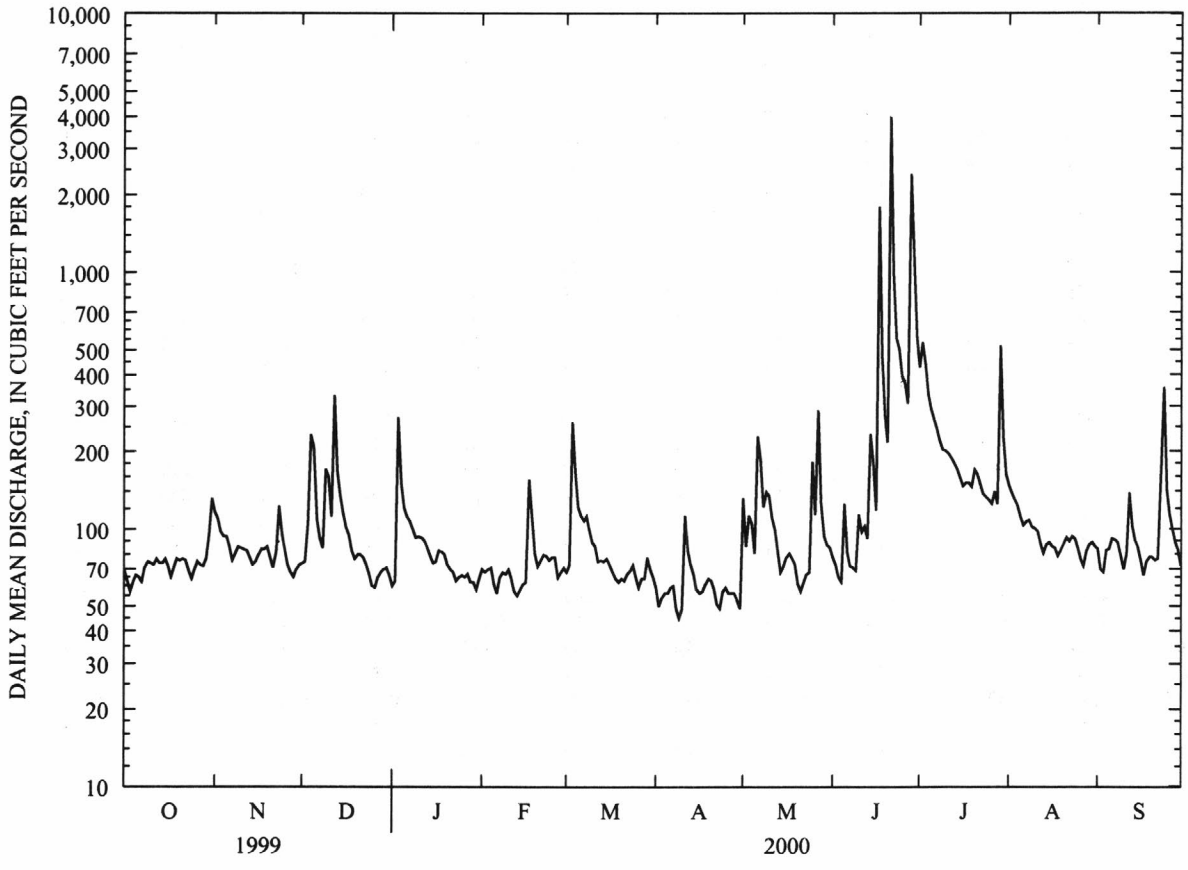
07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-75, 1996-00, BY WATER YEAR (WY)

MEAN	74.0	120	99.7	103	131	163	163	196	169	108	69.1	66.3
MAX	310	474	390	417	457	538	533	972	694	318	244	214
(WY)	1971	1974	1974	1998	1951	1975	1957	1961	1974	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951-75,1996-00	
ANNUAL TOTAL	73301		49100			
ANNUAL MEAN	201		134		122	
HIGHEST ANNUAL MEAN					236	1974
LOWEST ANNUAL MEAN					29.1	1956
HIGHEST DAILY MEAN	3400	Jun 30	4010	Jun 21	6540	May 19 1961
LOWEST DAILY MEAN	52	Jan 24	45	Apr 9	5.3	Sep 5 1954
ANNUAL SEVEN-DAY MINIMUM	56	Jan 21	53	Apr 4	6.1	Aug 31 1954
INSTANTANEOUS PEAK FLOW			8940	Jun 21	[a]22500	May 19 1961
INSTANTANEOUS PEAK STAGE			13.12	Jun 21	16.66	May 19 1961
INSTANTANEOUS LOW FLOW			37	Apr 9	4.7	Sep 4 1954
ANNUAL RUNOFF (AC-FT)	145400		97390		88100	
ANNUAL RUNOFF (CFSM)	1.54		1.03		.94	
ANNUAL RUNOFF (INCHES)	20.98		14.05		12.71	
10 PERCENT EXCEEDS	377		196		218	
50 PERCENT EXCEEDS	116		80		73	
90 PERCENT EXCEEDS	68		61		26	

[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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT 19...	1430	81213	80513	73	740	118	11.5	7.9	430	15.0
DEC 14...	1430	81213	80513	131	724	108	11.4	7.5	322	10.5
FEB 08...	1400	81213	80513	61	741	148	16.3	8.8	520	9.8
APR 10...	1230	81213	80513	64	732	124	12.2	8.5	446	14.2
JUN 13...	1130	81213	80513	94	736	129	10.6	8.0	398	23.4

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT 19...	130	48	1.6	6.6	1	33	35	34	22	.030
DEC 14...	110	43	1.6	4.5	.8	20	27	20	18	.020
FEB 08...	120	47	1.5	6.8	2	41	40	41	28	<.010
APR 10...	130	48	1.7	6.7	1	32	34	32	23	.120
JUN 13...	120	45	1.7	6.0	1	31	35	29	25	.030

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT 19...	.28	--	3.20	.25	3.5	.04	--	--	<.010	2.8
DEC 14...	.48	3.49	3.50	.46	4.0	.03	15	.03	.010	2.0
FEB 08...	<.20	2.98	3.00	--	--	--	13	.07	.020	2.0
APR 10...	.39	1.96	2.00	.27	2.4	.15	8.7	.13	.040	2.1
JUN 13...	.41	2.69	2.70	.38	3.1	.04	12	.03	.010	3.7

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 19...	.880	.920	.920	261	K21	58	69	11	56	99
DEC 14...	.610	.660	.610	--	K62	K64	130	12	33	97
FEB 08...	.650	.640	.650	278	K17	K12	K10	8.6	52	94
APR 10...	.830	.700	.900	247	110	77	21	8.3	48	96
JUN 13...	1.20	1.20	1.20	247	220	290	200	18	69	94

07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
02...	0730	80513	80513	733	87	7.7	7.0
02...	0731	80513	80513	733	86	7.6	7.1
02...	0732	80513	80513	733	85	7.5	7.1
02...	0733	80513	80513	733	85	7.5	7.1
02...	0734	80513	80513	733	85	7.5	7.2

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG						
02...	352	19.4	1.00	20.0	37.0	.50
02...	353	19.4	1.00	20.0	41.0	.50
02...	353	19.4	1.00	20.0	45.0	.50
02...	353	19.4	1.00	20.0	49.0	.50
02...	352	19.4	1.00	20.0	53.0	.50

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
AUG										
07...	1200	81213	80513	102	744	114	9.3	8.2	355	24.1

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG									
07...	130	49	1.7	4.8	.8	21	25	21	14

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
AUG									
07...	.030	.23	3.50	.20	3.7	.04	<.010	1.9	.630

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG									
07...	.630	.640	228	150	200	170	13	48	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.

REVISED RECORDS.--WRD Ark 1997: 1996.

GAGE.--Water-stage recorder.

REMARKS.--No estimated daily discharges. Water-discharge records good. 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 23,000 ft^3/s on basis of contracted opening of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

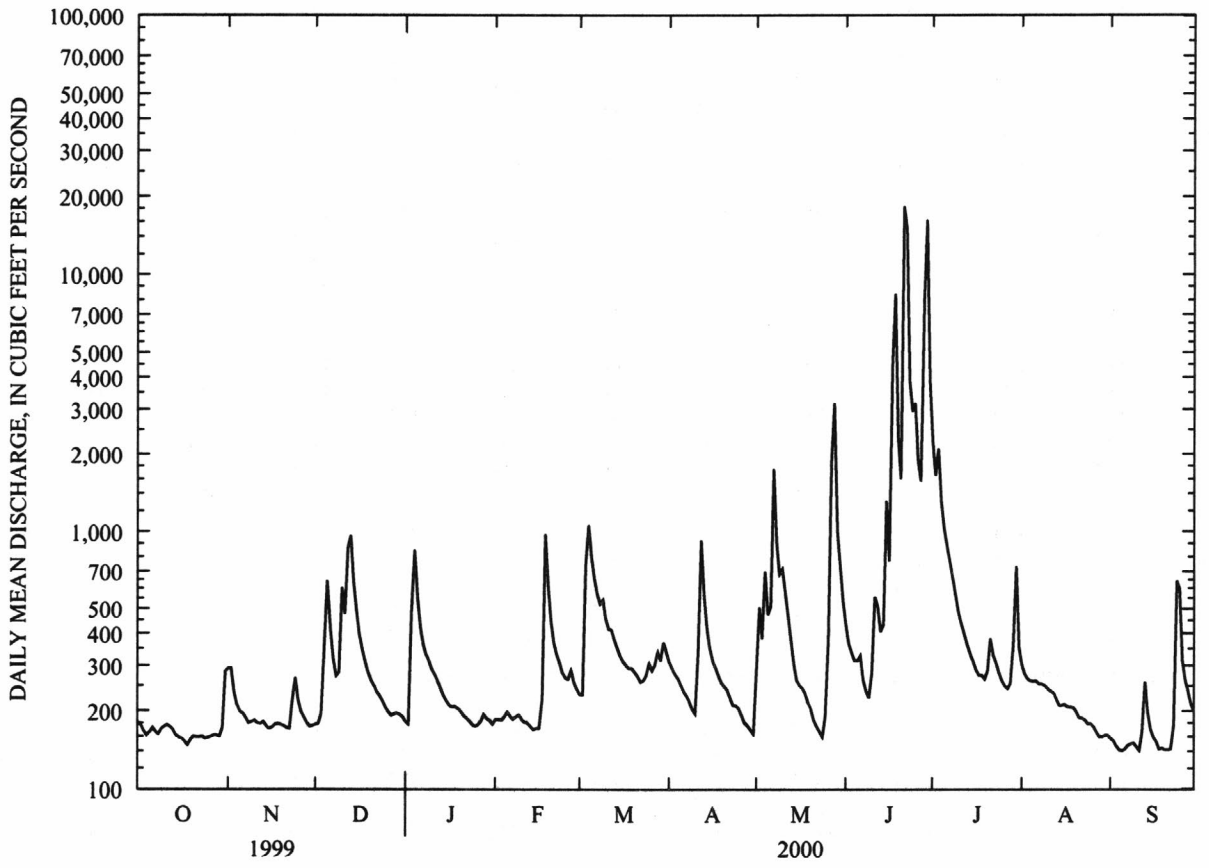
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	292	178	182	185	232	309	299	431	2250	303	158
2	177	292	179	177	185	231	293	505	365	1650	279	155
3	168	237	196	483	184	748	278	382	337	2100	267	147
4	161	211	338	849	190	1060	267	700	313	1310	262	142
5	166	199	643	554	198	798	252	474	313	1030	261	141
6	173	196	422	425	191	659	238	511	329	881	262	143
7	167	188	320	362	186	571	229	1750	265	767	255	148
8	163	180	274	329	190	523	217	910	239	656	255	150
9	171	182	284	312	193	543	203	686	225	562	252	151
10	174	184	604	289	186	455	195	717	282	485	244	146
11	177	180	477	275	181	417	340	564	557	437	239	141
12	174	179	860	260	180	413	926	449	510	396	235	168
13	170	182	965	245	175	380	569	368	408	361	222	259
14	162	176	635	229	170	353	424	307	434	333	210	197
15	159	171	492	219	172	328	353	263	1310	312	211	170
16	157	173	398	210	171	312	312	252	769	289	212	159
17	153	177	348	207	222	301	294	245	4440	275	208	153
18	148	179	312	208	978	292	273	234	8420	275	207	143
19	155	178	284	204	614	293	257	215	2350	266	206	144
20	160	176	264	199	448	283	248	203	1600	286	199	142
21	159	173	251	192	369	273	241	184	18300	382	189	142
22	159	171	237	188	331	259	225	174	15000	329	188	143
23	160	221	229	183	307	263	210	167	3870	307	185	178
24	157	269	219	177	281	275	210	159	2950	282	179	642
25	158	220	207	175	268	305	204	192	3170	263	179	597
26	160	198	198	177	266	287	192	377	1900	250	175	314
27	162	189	192	182	287	304	180	1860	1560	245	167	265
28	162	180	195	193	258	338	176	3170	7920	258	160	240
29	160	174	196	187	243	313	170	1000	16200	364	160	214
30	173	176	194	184	---	369	163	707	3830	732	162	200
31	285	---	190	178	---	338	---	534	---	355	162	---
TOTAL	5211	5903	10781	8234	7809	12516	8448	18558	98597	18688	6695	6092
MEAN	168	197	348	266	269	404	282	599	3287	603	216	203
MAX	285	292	965	849	978	1060	926	3170	18300	2250	303	642
MIN	148	171	178	175	170	231	163	159	225	245	160	141
AC-FT	10340	11710	21380	16330	15490	24830	16760	36810	195600	37070	13280	12080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	264	758	517	757	706	948	718	783	1085	455	197	312
MAX	482	2839	824	2256	1442	1767	1040	1780	3287	1153	248	887
(WY)	1999	1997	1997	1998	1997	1998	1999	1999	2000	1999	1997	1996
MIN	168	166	251	266	242	224	282	311	226	153	125	182
(WY)	2000	1996	1996	2000	1996	1996	2000	1997	1996	1996	1996	1995

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	269130		207532			
ANNUAL MEAN	737		567		625	
HIGHEST ANNUAL MEAN					795	1999
LOWEST ANNUAL MEAN					391	1996
HIGHEST DAILY MEAN	11100	Jul 1	18300	Jun 21	19000	Jan 5 1998
LOWEST DAILY MEAN	148	Oct 18	141	Sep 5	86	Sep 7 1998
ANNUAL SEVEN-DAY MINIMUM	156	Oct 15	146	Sep 5	93	Sep 5 1998
INSTANTANEOUS PEAK FLOW			32200	Jun 21	32300	Jan 5 1998
INSTANTANEOUS PEAK STAGE			19.24	Jun 21	19.24	Jan 5 1998
INSTANTANEOUS LOW FLOW			139	Sep 5-6,11-12	78	Sep 11 1996
ANNUAL RUNOFF (AC-FT)	533800		411600		453000	
10 PERCENT EXCEEDS	1430		737		1070	
50 PERCENT EXCEEDS	400		245		281	
90 PERCENT EXCEEDS	177		162		147	



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT										
20...	1230	81213	80513	163	745	85	8.8	7.5	340	13.0
DEC										
13...	0820	81213	80513	1060	741	79	9.0	7.0	244	8.6
17...	1130	81213	80513	356	738	93	10.8	7.0	290	7.5
FEB										
02...	1200	81213	80513	184	746	94	12.2	7.2	385	3.6
APR										
04...	1130	81213	80513	279	741	93	9.9	7.8	331	11.5
MAY										
07...	1400	81213	80513	1480	733	105	9.3	7.9	189	19.6
25...	1233	81213	80513	206	734	89	7.3	8.0	338	22.8
26...	0615	81213	80513	461	733	74	6.1	7.4	358	22.9
27...	1830	81213	80513	3000	734	80	6.7	7.8	297	22.7
JUN										
13...	1430	81213	80513	427	735	92	7.4	7.8	280	24.2
15...	1400	81213	80513	1230	732	79	6.6	7.8	223	22.3
17...	1530	81213	80513	5860	738	82	7.3	7.6	180	19.4
17...	1930	81213	80513	9220	737	85	7.7	7.4	134	18.9
18...	0915	81213	80513	8450	740	74	6.6	7.4	174	19.2

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT										
20...	120	45	1.7	4.3	.7	17	23	20	13	.020
DEC										
13...	90	33	1.8	3.4	.3	7.2	14	8.8	15	.040
17...	120	43	2.0	3.6	.4	11	17	13	14	.060
FEB										
02...	120	45	1.8	3.5	.7	18	24	19	16	.010
APR										
04...	120	43	1.9	3.4	.5	12	18	14	15	.050
MAY										
07...	74	27	1.7	3.7	.3	5.8	14	7.2	11	.080
25...	120	46	2.0	4.2	.6	16	21	16	17	.070
26...	130	47	2.0	4.7	.7	19	24	19	18	.030
27...	100	39	1.8	4.3	.6	13	20	14	14	.040
JUN										
13...	110	42	2.0	4.1	.5	12	18	11	13	.030
15...	93	34	1.9	4.6	.4	8.5	16	8.4	12	.040
17...	74	27	1.7	5.7	.3	6.0	14	6.4	7.7	.060
17...	56	20	1.4	5.2	.2	4.1	13	4.6	6.3	.100
18...	69	25	1.7	4.6	.2	4.0	10	4.7	6.9	.030

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT										
20...	<.20	--	2.30	--	--	.03	--	--	<.010	.89
DEC										
13...	.59	--	2.20	.55	2.8	.05	--	--	<.010	.43
17...	<.20	2.99	3.00	--	--	.08	13	.03	.010	.67
FEB										
02...	<.20	--	2.50	--	--	.01	--	--	<.010	.67
APR										
04...	.26	--	1.90	.21	2.2	.06	--	--	<.010	.61
MAY										
07...	.89	.990	1.00	.81	1.9	.10	4.4	.03	.010	.77
25...	.48	--	1.70	.41	2.2	.09	--	--	<.010	1.0
26...	.31	--	2.00	.28	2.3	.04	--	--	<.010	1.6
27...	1.3	--	1.70	1.3	3.0	.05	--	--	<.010	1.3
JUN										
13...	.32	1.38	1.40	.29	1.7	.04	6.1	.07	.020	.52
15...	.86	1.38	1.40	.82	2.3	.05	6.1	.07	.020	.95
17...	2.5	1.88	1.90	2.4	4.4	.08	8.3	.07	.020	1.3
17...	3.4	1.18	1.20	3.3	4.6	.13	5.2	.07	.020	.95
18...	1.1	1.68	1.70	1.1	2.8	.04	7.4	.07	.020	.89

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
20...	.270	.290	.240	202	K6	24	K14	--	--	--
DEC										
13...	.170	.140	.240	138	K10000	K8300	K16000	235	82	98
17...	.220	.220	.220	180	81	120	220	41	43	94
FEB										
02...	.240	.220	.250	197	K11	K12	K7	22	45	97
APR										
04...	.210	.200	.230	178	K6	24	20	42	56	99
MAY										
07...	.270	.250	.410	119	5500	5300	7300	527	132	96
25...	.320	.330	.370	198	220	150	240	26	46	98
26...	.520	.510	.560	210	220	540	1400	87	70	98
27...	.440	.410	.710	176	4400	3700	5200	3470	429	90
JUN										
13...	.230	.170	.260	175	76	92	140	54	47	94
15...	.320	.310	.420	145	2800	2900	6600	428	129	94
17...	.420	.420	.880	122	29000	K31000	K78000	12400	783	92
17...	.320	.310	1.10	92	K110000	K72000	K88000	27000	1080	94
18...	.290	.290	.430	109	8800	5200	13000	4240	186	91

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)
AUG							
02...	0900	80513	80513	740	85	7.0	7.5
02...	0901	80513	80513	740	83	6.9	7.5
02...	0902	80513	80513	740	83	6.9	7.5
02...	0903	80513	80513	740	81	6.7	7.4
02...	0904	80513	80513	740	81	6.7	7.4
02...	0905	80513	80513	740	83	6.9	7.4
02...	0906	80513	80513	740	82	6.8	7.4
02...	0907	80513	80513	740	82	6.8	7.4
02...	0908	80513	80513	740	82	6.8	7.4
02...	0909	80513	80513	740	83	6.8	7.4

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)
AUG						
02...	289	23.1	1.00	75.0	254	.50
02...	289	23.1	1.00	75.0	261	.50
02...	289	23.1	1.00	75.0	268	.50
02...	289	23.2	1.00	75.0	340	.50
02...	289	23.2	1.00	75.0	347	.50
02...	289	23.1	1.00	75.0	354	.50
02...	289	23.2	1.00	75.0	361	.50
02...	289	23.2	2.00	75.0	368	1.00
02...	289	23.2	1.00	75.0	375	.50
02...	289	23.2	1.00	75.0	382	.50

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
AUG												
07...	0845	81213	80513	259	737	79	6.2	7.9	320	25.8	120	46

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
AUG 07...	1.9	3.9	.5	13	18	14	10	<.010	<.20	2.30	<.010

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 07...	.74	.240	.240	.250	187	33	97	52	22	32	99

07195800 FLINT CREEK AT SPRINGTOWN

LOCATION.--Lat 36°15'20", long 94°25'50", in NW1/4 sec.7, T.13 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi².

PERIOD OF RECORD.--June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above sea level.

REMARKS.--Records good. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	12	8.0	8.0	7.5	9.6	6.4	11	6.0	46	9.6	5.0
2	7.3	11	8.0	8.0	7.4	10	6.6	7.9	5.6	44	8.9	5.0
3	7.2	9.9	12	47	7.7	31	6.4	13	7.5	35	8.4	4.9
4	7.3	9.7	39	30	7.8	30	6.1	13	7.5	28	8.3	4.9
5	7.3	9.5	25	24	7.3	26	6.0	11	5.9	25	e8.0	5.0
6	7.2	9.4	17	20	7.1	22	6.0	23	5.3	21	e7.8	5.1
7	7.0	9.4	14	17	7.1	19	5.8	25	4.9	18	e7.6	5.1
8	7.2	9.4	13	16	7.1	19	5.5	20	4.8	16	e7.4	5.2
9	7.4	9.2	22	15	6.9	16	5.5	22	4.6	14	e7.2	5.4
10	8.7	9.4	23	14	6.8	14	5.5	22	5.1	13	e7.0	5.6
11	7.7	9.4	19	12	6.8	14	8.0	18	6.9	12	e6.9	5.3
12	7.5	9.4	35	11	6.8	13	7.5	15	8.5	11	e6.8	8.3
13	7.6	9.5	26	10	6.8	12	6.6	13	6.5	10	e6.6	6.6
14	7.6	9.5	21	9.6	6.6	11	6.4	11	7.9	9.7	e6.5	5.8
15	7.6	9.4	18	9.4	6.4	10	6.2	9.9	9.6	9.5	e6.3	5.5
16	8.1	9.4	15	9.1	6.2	9.6	6.3	8.8	7.9	9.2	e6.2	5.5
17	8.6	9.2	14	9.0	9.3	9.4	5.9	8.5	598	8.8	e6.4	5.4
18	8.4	9.0	13	8.8	11	9.1	5.7	7.3	192	8.5	e7.3	5.4
19	8.5	9.0	12	8.6	9.3	9.2	5.6	6.6	120	8.3	e8.2	5.3
20	8.5	9.0	11	8.2	8.8	8.5	5.6	6.1	94	9.6	e7.2	5.3
21	8.5	8.3	9.9	8.0	8.2	7.9	5.4	5.7	911	9.9	e6.5	5.6
22	8.5	8.7	9.7	8.0	7.8	7.7	5.2	5.5	176	9.4	e6.2	5.7
23	8.3	20	9.3	7.8	7.7	7.7	6.7	5.2	84	8.8	e5.9	13
24	8.3	11	9.0	7.5	7.2	7.9	8.4	5.0	68	8.3	5.6	23
25	8.6	9.5	8.8	7.4	8.2	7.2	6.3	16	54	8.2	e5.5	14
26	8.7	9.1	8.7	7.4	12	7.2	5.9	11	48	8.0	e5.4	11
27	8.5	8.8	8.6	7.6	11	7.3	5.7	11	41	7.9	e5.3	9.5
28	8.6	8.4	8.6	7.6	11	6.9	5.4	11	397	7.9	e5.3	8.7
29	8.8	8.1	8.4	7.7	10	6.7	5.2	8.6	127	16	e5.2	8.0
30	11	8.0	8.3	7.5	---	6.7	5.0	7.5	63	12	5.1	7.8
31	13	---	8.1	7.4	---	6.4	---	6.6	---	10	5.0	---
TOTAL	255.0	291.6	462.4	378.6	233.8	382.0	182.8	365.2	3077.5	463.0	209.6	215.9
MEAN	8.23	9.72	14.9	12.2	8.06	12.3	6.09	11.8	103	14.9	6.76	7.20
MAX	13	20	39	47	12	31	8.4	25	911	46	9.6	23
MIN	7.0	8.0	8.0	7.4	6.2	6.4	5.0	5.0	4.6	7.9	5.0	4.9
AC-FT	506	578	917	751	464	758	363	724	6100	918	416	428
CFSM	.58	.68	1.05	.86	.57	.87	.43	.83	7.22	1.05	.48	.51
IN.	.67	.76	1.21	.99	.61	1.00	.48	.96	8.06	1.21	.55	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2000, BY WATER YEAR (WY)

MEAN	10.7	18.5	18.3	14.6	15.4	21.4	21.4	18.5	20.5	9.72	7.90	9.10
MAX	51.8	83.7	63.0	50.7	45.3	57.7	60.5	107	121	42.5	61.5	38.3
(WY)	1987	1974	1988	1998	1997	1973	1965	1990	1974	1999	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

07195800 FLINT CREEK AT SPRINGTOWN--CONTINUED

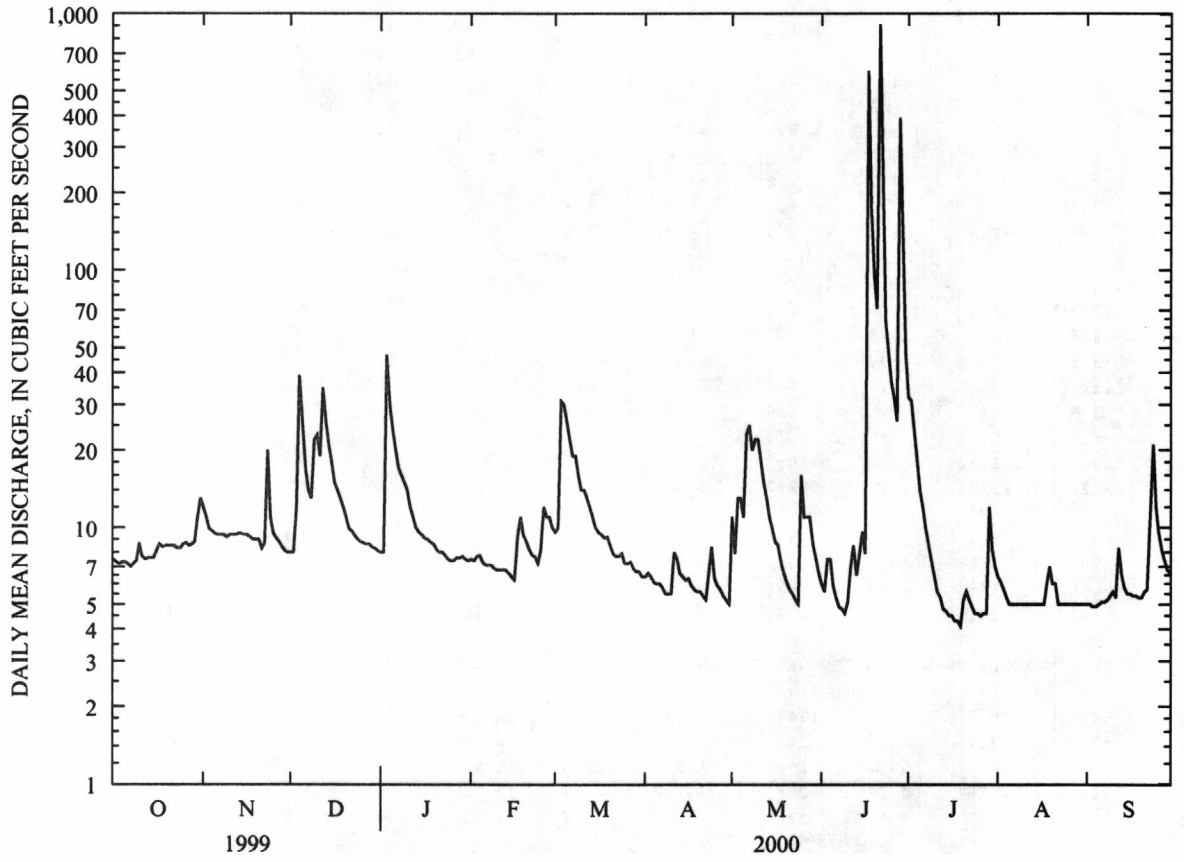
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1961 - 2000	
ANNUAL TOTAL	8151.5		6517.4			
ANNUAL MEAN	22.3		17.8		15.3	
HIGHEST ANNUAL MEAN					34.4	1974
LOWEST ANNUAL MEAN					3.80	1967
HIGHEST DAILY MEAN	818	Jun 30	911	Jun 21	1730	Jun 8 1974
LOWEST DAILY MEAN	6.3	Jan 25	4.6	Jun 19	.00	Aug 3 1980
ANNUAL SEVEN-DAY MINIMUM	6.4	Jan 22	5.0	Aug 30	.33	Aug 3 1980
INSTANTANEOUS PEAK FLOW			[a]2170	Jun 21	[a]14600	Jun 8 1974
INSTANTANEOUS PEAK STAGE			11.06	Jun 21	[b]17.51	Jun 8 1974
INSTANTANEOUS LOW FLOW			4.0	Jun 8-9	[c].00	Aug 3 1980
ANNUAL RUNOFF (AC-FT)	16170		12930		11080	
ANNUAL RUNOFF (CFSM)	1.57		1.25		1.08	
ANNUAL RUNOFF (INCHES)	21.35		17.07		14.63	
10 PERCENT EXCEEDS	36		22		29	
50 PERCENT EXCEEDS	13		8.4		8.4	
90 PERCENT EXCEEDS	7.6		5.5		3.3	

[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



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.

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	25	14	12	14	26	19	27	17	247	43	11
2	14	21	12	12	14	28	19	23	15	207	37	10
3	15	17	20	65	14	73	18	20	15	180	35	11
4	15	16	43	62	15	87	17	22	17	153	33	10
5	14	15	66	46	15	76	17	20	14	137	31	11
6	14	15	36	36	14	65	16	44	12	125	29	8.7
7	13	15	27	30	14	56	16	66	11	114	28	8.1
8	13	15	21	27	14	55	15	52	10	106	26	7.6
9	12	14	34	25	14	47	16	57	9.7	99	25	8.7
10	12	12	41	22	14	42	16	62	11	93	24	8.3
11	12	11	34	21	14	42	21	52	19	86	23	8.2
12	12	11	55	19	14	38	21	43	22	81	23	20
13	11	11	51	18	14	35	20	34	16	77	22	17
14	11	11	43	16	14	31	19	27	24	73	21	12
15	12	11	35	16	14	28	19	24	26	70	20	12
16	12	11	30	15	15	27	20	23	24	67	20	12
17	14	11	27	15	25	26	18	23	1110	65	19	11
18	14	11	24	15	30	25	17	18	395	62	18	9.2
19	14	11	23	14	27	25	15	16	178	54	19	8.4
20	13	11	21	13	25	24	15	14	112	62	18	7.5
21	12	11	19	13	23	22	14	13	3160	64	17	7.6
22	13	11	18	13	25	22	14	12	624	58	16	7.8
23	13	36	17	13	24	21	14	11	372	54	15	18
24	13	25	17	13	19	22	16	11	311	50	15	71
25	13	19	14	13	27	21	15	31	257	48	14	40
26	13	17	20	14	32	21	13	34	244	46	14	28
27	13	15	15	15	31	21	12	52	223	45	13	22
28	12	14	16	16	30	19	11	45	1880	44	12	19
29	12	15	19	15	28	20	11	35	629	56	12	17
30	17	16	13	14	---	20	10	25	340	53	11	15
31	21	---	12	14	---	19	---	23	---	47	11	---
TOTAL	415	454	837	652	573	1084	484	959	10097.7	2723	664	457.1
MEAN	13.4	15.1	27.0	21.0	19.8	35.0	16.1	30.9	337	87.8	21.4	15.2
MAX	21	36	66	65	32	87	21	66	3160	247	43	71
MIN	11	11	12	12	14	19	10	11	9.7	44	11	7.5
AC-FT	823	901	1660	1290	1140	2150	960	1900	20030	5400	1320	907

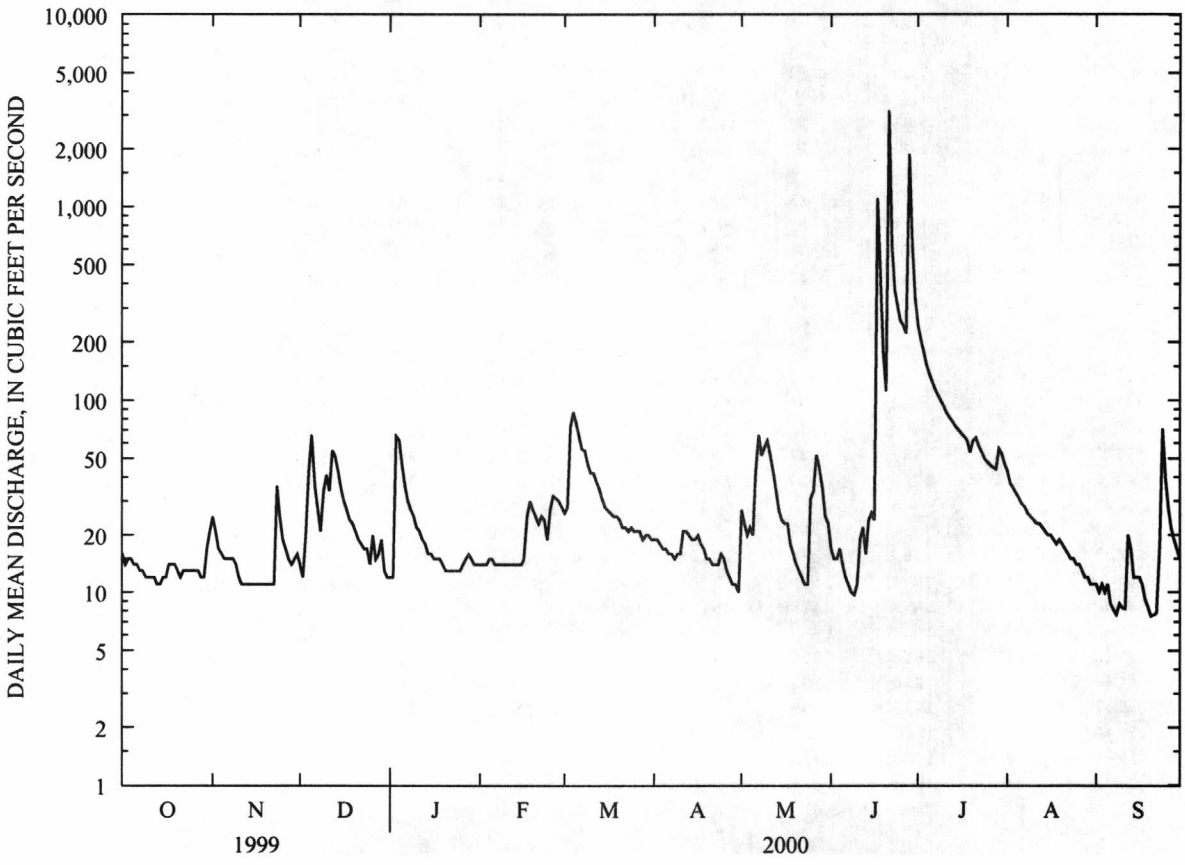
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

MEAN	30.2	53.3	66.5	50.5	54.1	75.2	66.4	67.6	69.7	29.3	16.9	21.8
MAX	199	148	219	123	120	176	143	251	337	130	35.6	132
(WY)	1987	1994	1993	1985	1989	1985	1985	1990	2000	1999	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

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	23190		19399.8			
ANNUAL MEAN	63.5		53.0		50.1	
HIGHEST ANNUAL MEAN					97.9	1985
LOWEST ANNUAL MEAN					10.7	1981
HIGHEST DAILY MEAN	1910	Jun 30	3160	Jun 21	3160	Jun 21 2000
LOWEST DAILY MEAN	11	Oct 13	7.5	Sep 20	.40	Aug 7 1980
ANNUAL SEVEN-DAY MINIMUM	11	Nov 11	8.7	Sep 5	.56	Aug 5 1980
INSTANTANEOUS PEAK FLOW			[a]8750	Jun 21	[a]8750	Jun 21 2000
INSTANTANEOUS PEAK STAGE			13.58	Jun 21	13.58	Jun 21 2000
ANNUAL RUNOFF (AC-FT)	46000		38480		36270	
10 PERCENT EXCEEDS	127		65		105	
50 PERCENT EXCEEDS	36		19		27	
90 PERCENT EXCEEDS	14		11		7.0	

[a]From rating curve extended above 3,900 ft^3/s



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 mi² (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.--Water-discharge records good. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	6.5	9.9	4.0	5.8	5.5	15	71	54	105	5.8	.50
2	.51	6.3	9.8	5.5	6.1	6.1	15	40	47	107	4.7	.47
3	.55	5.2	23	87	6.9	85	13	88	46	86	4.2	.45
4	.58	4.9	46	30	7.8	47	12	79	43	66	3.7	.43
5	.63	4.9	36	20	7.2	31	10	48	41	55	3.2	.45
6	.70	5.1	19	15	6.7	24	9.9	212	38	48	2.8	.48
7	.69	5.6	14	12	6.7	20	9.4	150	34	42	2.9	.49
8	.75	5.8	12	12	6.3	24	8.2	80	31	36	2.7	.56
9	.86	5.9	17	12	5.9	22	7.7	68	28	34	2.3	.73
10	.90	6.2	30	10	5.8	19	7.7	65	99	28	1.9	.68
11	.99	6.4	22	8.7	5.7	19	94	49	119	24	1.7	1.0
12	1.1	6.3	184	7.9	5.2	20	49	40	85	22	1.5	1.7
13	1.1	6.5	39	6.9	5.3	18	31	33	63	19	1.5	1.7
14	1.0	6.5	22	5.8	4.7	e10	25	28	192	17	1.4	1.3
15	1.1	6.7	15	5.3	4.3	14	22	25	191	15	1.3	.83
16	1.1	6.8	11	5.1	4.1	14	21	23	104	13	1.2	.63
17	1.3	6.8	9.3	4.9	7.3	13	19	22	1290	11	1.7	.54
18	1.5	6.7	e9	4.8	19	13	18	20	299	10	2.0	.48
19	1.5	6.8	e8	4.4	14	13	16	17	218	9.0	1.8	.43
20	1.6	7.1	e6	3.9	11	12	18	16	189	11	1.0	.52
21	1.8	7.0	e5	3.6	9.2	11	17	15	4660	15	.90	.56
22	1.9	7.5	e4	3.4	8.6	10	15	15	417	13	.70	.63
23	1.8	26	4.0	3.4	8.4	10	14	18	202	12	.64	1.5
24	1.9	18	3.7	3.5	7.7	18	15	14	467	8.5	.61	9.7
25	1.9	14	3.3	3.7	7.5	18	13	52	203	7.3	.50	6.5
26	2.1	12	3.1	3.8	8.1	16	33	43	168	6.3	.38	3.1
27	2.3	11	2.9	4.3	7.2	33	10	1110	127	5.5	.42	2.0
28	2.3	10	2.8	4.9	6.4	25	9.7	250	1080	5.3	.47	1.5
29	2.8	9.9	2.7	5.4	5.9	21	8.9	131	288	14	.51	1.3
30	3.3	9.7	2.8	5.3	---	18	8.8	86	150	12	.38	1.0
31	5.2	---	3.4	5.2	---	16	---	66	---	7.5	.40	---
TOTAL	46.18	248.1	579.7	311.7	214.8	625.6	565.3	2974	10973	864.4	55.21	42.16
MEAN	1.49	8.27	18.7	10.1	7.41	20.2	18.8	95.9	366	27.9	1.78	1.41
MAX	5.2	26	184	87	19	85	94	1110	4660	107	5.8	9.7
MIN	.42	4.9	2.7	3.4	4.1	5.5	7.7	14	28	5.3	.38	.43
AC-FT	92	492	1150	618	426	1240	1120	5900	21760	1710	110	84
CFSM	.04	.20	.46	.25	.18	.50	.46	2.36	9.01	.69	.04	.03
IN.	.04	.23	.53	.29	.20	.57	.52	2.72	10.05	.79	.05	.04

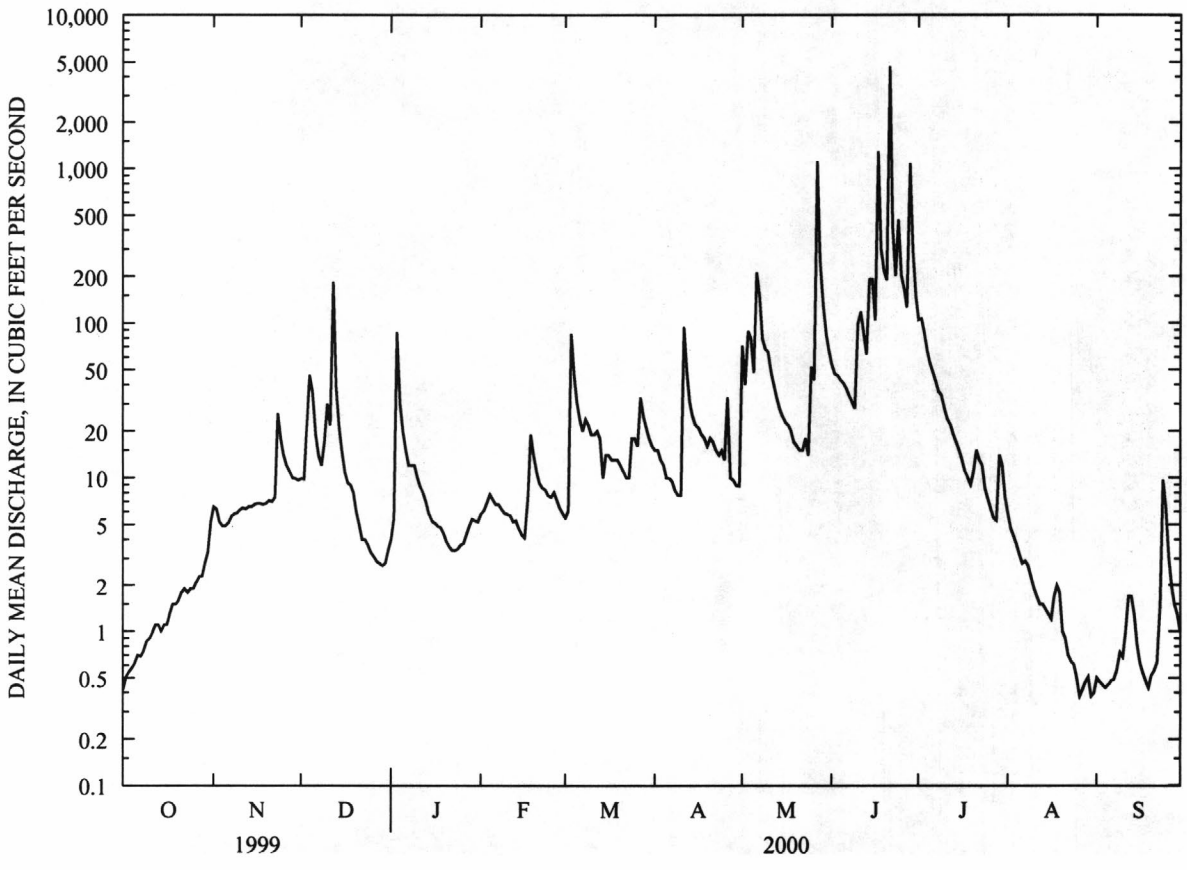
07196900 BARON FORK AT DUTCH MILLS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	26.4	57.6	52.7	48.4	55.4	77.8	78.7	71.4	42.2	17.6	7.14	18.8
MAX	218	347	221	258	163	205	310	307	366	131	62.0	242
(WY)	1971	1986	1988	1998	1975	1973	1990	1990	2000	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	16717.50		17500.15			
ANNUAL MEAN	45.8		47.8		45.7	
HIGHEST ANNUAL MEAN					104	1993
LOWEST ANNUAL MEAN					3.99	1963
HIGHEST DAILY MEAN	1220	May 4	4660	Jun 21	4660	Jun 21 2000
LOWEST DAILY MEAN	.00	Aug 15	.38	Aug 26	.00	Jul 23 1963
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 15	.44	Aug 25	.00	Sep 20 1963
INSTANTANEOUS PEAK FLOW			[a]20300	Jun 21	[a]20900	Nov 18 1985
INSTANTANEOUS PEAK STAGE			14.72	Jun 21	14.81	Nov 18 1985
INSTANTANEOUS LOW FLOW			.30	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	33160		34710		33120	
ANNUAL RUNOFF (CFSM)	1.13		1.18		1.13	
ANNUAL RUNOFF (INCHES)	15.32		16.03		15.30	
10 PERCENT EXCEEDS	107		73		88	
50 PERCENT EXCEEDS	22		8.6		12	
90 PERCENT EXCEEDS	.95		.85		.88	

[a]From rating curve extended above 2,900 ft^3/s on basis of contrated-opening measurements at 12,900 ft^3/s and 19,500 ft^3/s
[e]Estimated



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT										
07...	0930	81213	80513	.72	183	736	7.9	83	7.4	292
DEC										
08...	1000	81213	80513	12	219	737	9.4	83	7.1	338
FEB										
02...	1430	81213	80513	6.2	194	742	15.8	127	7.2	337
APR										
04...	1400	81213	80513	11	174	738	14.1	140	8.3	308
JUN										
28...	0900	81213	80513	110	175	731	8.3	98	7.6	233

DATE	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT										
07...	15.5	140	51.0	2.90	2.7	.2	6.5	9	9.5	13.0
DEC										
08...	8.5	170	62.0	3.70	3.6	.2	7.0	8	11.0	28.0
FEB										
02...	5.0	140	51.0	3.10	2.6	.3	7.8	11	11.0	24.0
APR										
04...	13.5	130	46.0	3.10	2.4	.2	5.5	8	7.0	20.0
JUN										
28...	21.7	120	43.0	2.70	3.1	.1	3.7	6	6.0	11.0

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT										
07...	.040	<.20	.05	--	--	.620	--	<.010	--	--
DEC										
08...	.040	<.20	.05	--	--	--	.033	.010	--	--
FEB										
02...	<.010	<.20	--	--	--	2.50	--	<.010	--	--
APR										
04...	.030	.38	.04	1.29	5.71	1.30	.033	.010	.35	1.7
JUN										
28...	.030	.31	.04	--	--	3.60	--	<.010	.28	3.9

07196900 BARON FORK AT DUTCH MILLS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT										
07...	.061	<.020	.020	.020	270	160	270	93	47	.09
DEC										
08...	.276	.090	.090	.110	--	190	440	93	32	1.1
FEB										
02...	.123	.080	.040	.090	K6	K8	K16	97	44	.74
APR										
04...	.184	.080	.060	.090	K30	52	K26	99	39	1.2
JUN										
28...	.123	.090	.040	.100	300	830	1200	100	44	13

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
02...	0930	80513	80513	739	71	5.7	7.3
02...	0931	80513	80513	739	73	5.9	7.3
02...	0932	80513	80513	739	73	5.9	7.3
02...	0933	80513	80513	739	73	5.9	7.3
02...	0934	80513	80513	739	76	6.1	7.3
02...	0935	80513	80513	739	75	6.1	7.3
02...	0936	80513	80513	739	72	5.8	7.3
02...	0937	80513	80513	739	76	6.1	7.3
02...	0938	80513	80513	739	83	6.6	7.3
02...	0939	80513	80513	739	83	6.6	7.4
02...	1500	81213	80513	735	122	9.6	8.0

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)
AUG						
02...	307	24.4	2.00	90.0	20.0	1.00
02...	307	24.4	2.00	90.0	29.0	1.00
02...	307	24.4	2.00	90.0	38.0	1.00
02...	307	24.4	2.00	90.0	47.0	1.00
02...	307	24.3	2.00	90.0	56.0	1.00
02...	307	24.3	2.00	90.0	65.0	1.00
02...	307	24.4	1.00	90.0	74.0	.50
02...	305	24.7	1.00	90.0	83.0	.50
02...	305	24.9	1.00	90.0	92.0	.50
02...	299	25.0	1.00	90.0	101.0	.50
02...	288	25.7	--	--	--	--

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG											
02...	1500	4.7	130	47	2.5	2.9	.2	5.3	8	7.8	11

07196900 BARON FORK AT DUTCH MILLS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
AUG											
02...	.040	.49	1.99	2.00	.45	2.5	.05	8.8	.03	.010	.06

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG										
02...	.040	.020	.040	161	31	21	64	.65	51	72

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.

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. Satellite telemeter at station.

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	13	45	15	30	198	52	29	67	158	4.5	4.1
2	2.5	12	40	15	48	162	99	44	45	123	4.2	4.2
3	2.8	8.5	97	20	67	405	123	108	41	93	3.8	4.2
4	2.8	6.4	80	96	72	296	90	568	308	71	3.8	4.1
5	2.8	5.7	115	62	73	206	66	220	805	e50	4.1	3.8
6	2.7	4.9	47	45	58	164	53	187	260	e40	4.0	3.4
7	2.5	5.7	18	38	51	136	45	181	160	e35	3.9	3.1
8	3.4	5.2	11	39	46	115	36	136	110	e30	3.8	3.1
9	5.8	5.8	17	72	42	96	29	99	75	e40	3.6	2.8
10	9.6	10	223	73	38	107	23	75	63	e30	3.5	2.9
11	5.1	13	78	61	34	341	1530	58	80	e30	3.3	3.5
12	3.8	14	3990	50	32	205	1500	45	82	e20	3.4	4.0
13	3.0	14	1480	43	30	154	714	38	67	e20	3.3	4.3
14	2.6	15	906	37	26	129	444	31	55	e10	4.6	3.9
15	2.7	18	546	31	23	110	328	21	238	e10	4.1	3.8
16	2.9	21	303	29	22	95	258	16	167	e8.0	3.5	3.8
17	2.9	23	214	26	21	83	207	28	261	e7.0	3.2	3.5
18	2.8	22	168	25	35	80	167	25	491	e6.0	2.7	3.4
19	3.3	21	136	25	89	90	139	408	256	4.9	2.6	3.2
20	3.6	21	108	23	65	77	114	163	602	4.5	3.6	3.0
21	3.3	24	85	20	50	68	91	88	2620	5.3	5.0	2.8
22	3.1	28	69	18	44	66	72	55	2610	10	7.0	3.0
23	4.0	39	56	16	44	59	66	69	1150	11	6.1	3.1
24	3.9	64	47	15	50	54	86	51	803	8.4	6.1	6.8
25	3.6	64	40	14	57	49	69	30	514	6.4	7.4	32
26	3.7	58	34	14	1240	47	53	23	333	5.0	6.1	13
27	3.7	65	28	16	792	147	43	283	249	4.5	5.5	6.2
28	3.7	62	27	21	399	106	36	1120	219	4.2	5.2	3.7
29	4.9	59	24	22	254	77	30	354	646	4.3	5.4	2.6
30	8.5	52	20	22	---	76	25	182	251	4.3	5.1	2.2
31	7.2	---	18	24	---	64	---	106	---	4.2	4.5	---
TOTAL	119.8	774.2	9070	1027	3832	4062	6588	4841	13628	858.0	136.9	147.5
MEAN	3.86	25.8	293	33.1	132	131	220	156	454	27.7	4.42	4.92
MAX	9.6	65	3990	96	1240	405	1530	1120	2620	158	7.4	32
MIN	2.5	4.9	11	14	21	47	23	16	41	4.2	2.6	2.2
AC-FT	238	1540	17990	2040	7600	8060	13070	9600	27030	1700	272	293

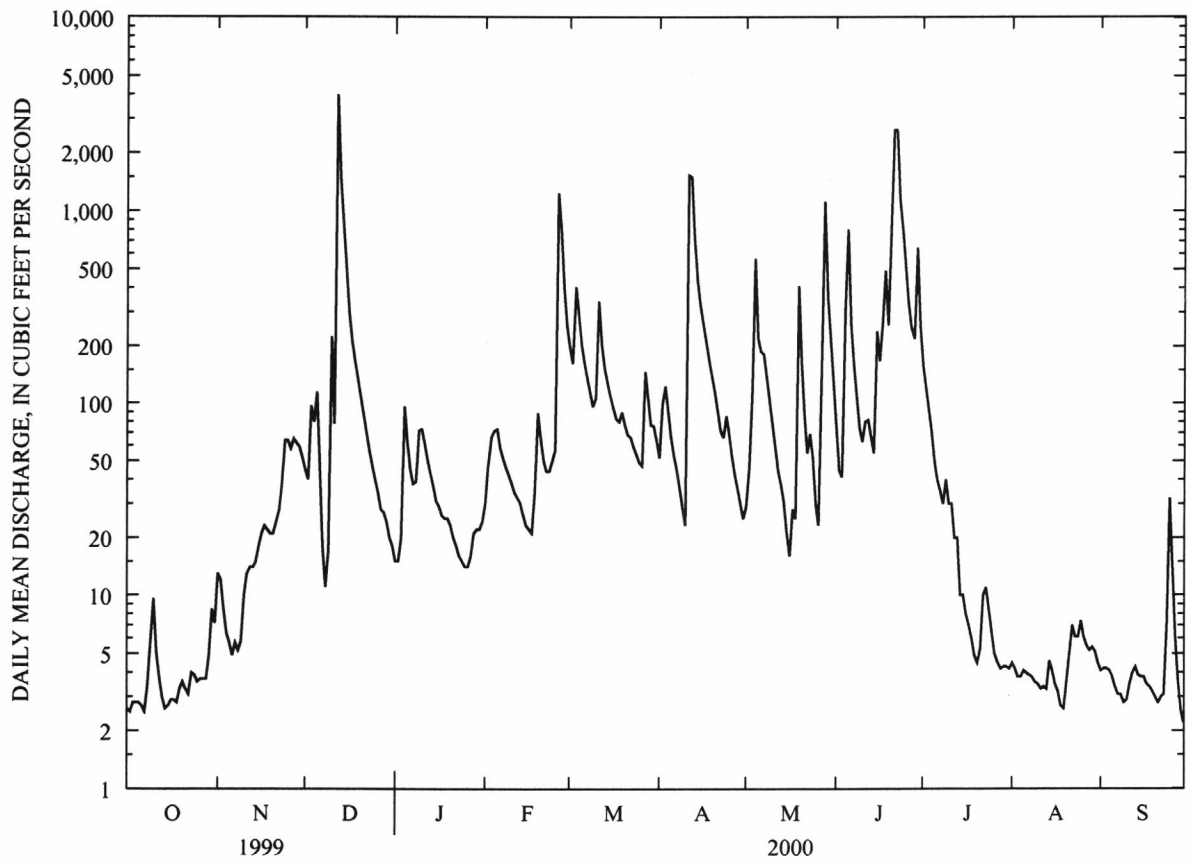
07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	110	287	358	292	367	417	340	469	223	60.0	20.0	22.8
MAX	1423	1900	1078	1075	1246	849	1092	2080	846	314	93.7	166
(WY)	1985	1997	1983	1998	1989	1975	1991	1990	1986	1981	1996	1996
MIN	.015	2.09	2.02	14.1	35.6	59.9	42.5	13.6	2.36	.41	.81	.19
(WY)	1979	1996	1990	1981	1996	1986	1976	1977	1988	1980	1976	1980

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	78269.5		45084.4			
ANNUAL MEAN	214		123		[a]247	
HIGHEST ANNUAL MEAN					432	1985
LOWEST ANNUAL MEAN					48.7	1976
HIGHEST DAILY MEAN	3990	Dec 12	3990	Dec 12	16900	May 3 1990
LOWEST DAILY MEAN	2.3	Aug 19	2.2	Sep 30	.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	2.4	Aug 17	2.7	Oct 1	.00	Oct 7 1978
INSTANTANEOUS PEAK FLOW			6650	Jun 21	[b]24000	May 3 1990
INSTANTANEOUS PEAK STAGE			14.63	Jun 21	[c]22.17	May 3 1990
INSTANTANEOUS LOW FLOW			1.9	Sep 30	.00	at times
ANNUAL RUNOFF (AC-FT)	155200		89420		178600	
10 PERCENT EXCEEDS	574		255		601	
50 PERCENT EXCEEDS	48		32		52	
90 PERCENT EXCEEDS	3.0		3.5		1.8	

[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 May 20, 1960
[e]Estimated



07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 27, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT 06...	1030	81213	80513	2.7	751	67	6.3	7.8	286	17.5
DEC 20...	1000	81213	80513	118	752	78	9.3	7.4	60	7.5
FEB 01...	1130	81213	80513	27	753	89	11.5	7.2	144	4.0
APR 03...	1030	81213	80513	128	745	78	7.7	7.0	108	14.7
JUN 27...	1100	81213	80513	238	750	80	6.4	6.9	54	25.8
AUG 01...	1530	81213	80513	4.8	748	92	6.8	7.3	97	30.4

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT 06...	28	4.1	4.4	7.3	3	39	69	44	32	.020
DEC 20...	13	2.4	1.7	2.2	.6	5.2	42	4.9	7.5	.140
FEB 01...	21	4.3	2.6	3.7	1	14	54	12	16	.110
APR 03...	19	3.4	2.6	2.7	1	9.6	48	8.1	12	.110
JUN 27...	12	2.2	1.7	1.7	.5	3.9	37	3.3	5.3	.010
AUG 01...	20	3.2	2.9	2.8	.9	9.5	47	7.4	9.1	<.010

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT 06...	.40	--	<.020	.38	--	.03	--	--	<.010	.03
DEC 20...	.35	--	.320	.21	.67	.18	--	--	<.010	.40
FEB 01...	.27	--	.360	.16	.63	.14	--	--	<.010	1.0
APR 03...	.46	.420	.430	.35	.89	.14	1.9	.03	.010	.77
JUN 27...	.44	--	.210	.43	.65	.01	--	--	<.010	.15
AUG 01...	.37	--	<.020	--	--	--	--	--	<.010	.06

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 06...	<.020	.010	.050	181	--	28	49	.33	46	100
DEC 20...	.140	.130	.180	42	160	210	190	11	34	68
FEB 01...	.370	.340	.440	76	37	33	100	1.2	17	95
APR 03...	.290	.250	.360	64	100	110	87	12	36	93
JUN 27...	.080	.050	.120	44	K49	120	350	16	25	96
AUG 01...	.040	.020	.080	61	K14	22	89	.57	44	49

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
02...	1525	80513	80513	748	88	6.5	7.5
02...	1526	80513	80513	748	98	7.4	7.5
02...	1527	80513	80513	748	101	7.6	7.4
02...	1528	80513	80513	748	84	6.3	7.3
02...	1529	80513	80513	748	77	5.8	7.2
02...	1530	80513	80513	748	86	6.5	7.2
02...	1531	80513	80513	748	83	6.3	7.1
02...	1532	80513	80513	748	82	6.2	7.1
02...	1533	80513	80513	748	86	6.6	7.1
02...	1534	80513	80513	748	88	6.7	7.0

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG						
02...	94	30.1	2.00	110	65.0	1.00
02...	95	29.2	2.00	110	76.0	1.00
02...	96	29.1	2.00	110	87.0	1.00
02...	95	29.0	2.00	110	98.0	1.00
02...	96	29.2	2.00	110	109	1.00
02...	96	28.7	2.00	110	120	1.00
02...	95	28.2	2.00	110	131	1.00
02...	95	28.2	2.00	110	142	1.00
02...	95	28.2	2.00	110	153	1.00
02...	96	28.6	2.00	110	164	1.00

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 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above sea level. Prior to Oct. 1, 1990, at datum 2.00 ft higher.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	14	3.9	15	26	28	27	14	8.0	69	7.7	4.2
2	1.1	15	9.6	14	35	26	30	29	6.7	47	8.5	4.3
3	1.7	15	16	476	39	46	34	29	8.2	33	5.7	4.5
4	2.2	12	39	247	36	65	33	29	17	27	4.3	4.4
5	1.0	12	106	103	32	51	28	32	61	20	3.2	4.3
6	.88	12	52	77	28	43	25	31	45	15	2.2	4.0
7	1.6	13	31	65	26	38	22	48	22	13	2.2	3.6
8	2.3	12	22	62	24	35	20	39	15	14	2.6	2.9
9	2.0	10	22	68	23	31	19	26	11	24	2.7	2.1
10	1.8	9.1	31	61	22	29	18	19	11	9.7	2.7	1.5
11	2.6	8.1	45	51	21	47	227	16	21	7.5	2.9	3.6
12	3.5	7.9	1430	45	20	59	476	12	49	8.4	2.9	3.2
13	2.9	7.8	541	40	18	42	174	11	36	8.0	2.6	2.9
14	2.6	7.4	170	35	17	35	117	8.6	65	7.2	2.3	2.7
15	2.5	6.5	104	32	16	32	85	7.2	294	6.3	1.8	2.8
16	2.3	6.2	75	30	15	29	66	5.6	106	5.8	1.5	3.2
17	2.3	4.9	61	30	52	27	53	6.1	479	5.5	1.5	3.4
18	2.3	3.9	54	28	75	26	44	5.6	411	5.5	2.1	3.5
19	2.4	3.2	48	26	55	29	37	4.8	248	6.6	4.0	3.5
20	2.4	2.5	43	23	41	27	33	5.0	439	10	5.4	3.5
21	2.5	1.9	38	21	35	25	31	5.1	2410	16	9.7	3.2
22	2.7	2.3	34	19	31	23	22	5.6	1530	15	6.4	2.9
23	2.7	11	32	19	31	22	20	11	414	14	2.8	3.3
24	2.9	29	29	18	31	23	34	9.7	229	12	2.5	8.5
25	2.9	14	27	16	30	22	30	14	152	10	2.8	9.7
26	3.2	7.6	24	15	50	23	19	10	107	9.2	3.0	6.4
27	3.6	5.7	22	16	44	67	13	78	80	8.1	3.2	4.4
28	3.9	5.4	21	19	37	58	11	65	75	7.1	3.6	2.9
29	4.2	3.8	19	18	32	40	9.8	30	178	6.6	3.6	2.1
30	5.3	2.8	17	20	---	34	9.1	17	115	7.1	3.6	1.6
31	7.9	---	16	21	---	30	---	11	---	6.8	3.8	---
TOTAL	82.99	266.0	3182.5	1730	942	1112	1766.9	634.3	7642.9	454.4	113.8	113.1
MEAN	2.68	8.87	103	55.8	32.5	35.9	58.9	20.5	255	14.7	3.67	3.77
MAX	7.9	29	1430	476	75	67	476	78	2410	69	9.7	9.7
MIN	.81	1.9	3.9	14	15	22	9.1	4.8	6.7	5.5	1.5	1.5
AC-FT	165	528	6310	3430	1870	2210	3500	1260	15160	901	226	224
CFSM	.02	.06	.70	.38	.22	.24	.40	.14	1.73	.10	.02	.03
IN.	.02	.07	.81	.44	.24	.28	.45	.16	1.93	.11	.03	.03

07249400 JAMES FORK NEAR HACKETT--CONTINUED

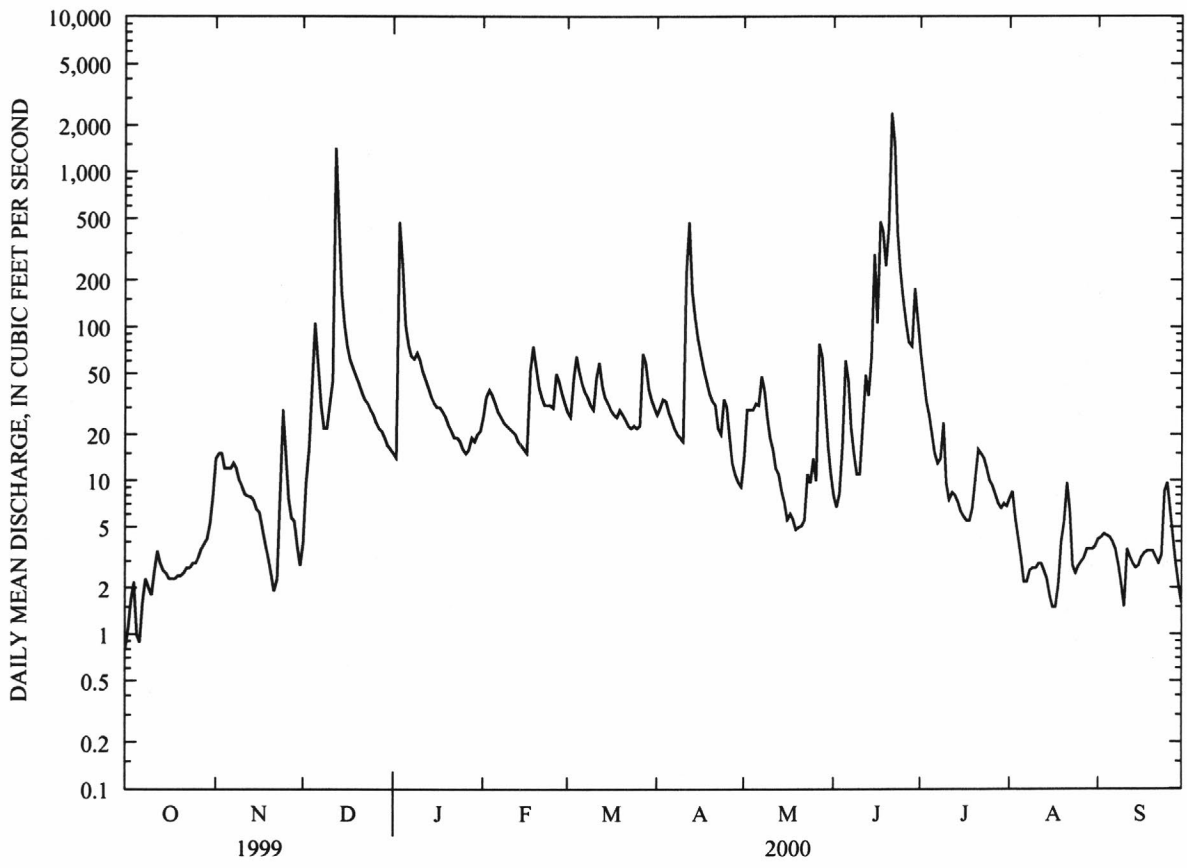
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	73.8	159	204	161	206	269	232	280	101	40.4	11.0	19.8
MAX	867	915	760	820	678	915	1047	1203	342	430	81.7	159
(WY)	1985	1997	1972	1998	1989	1973	1973	1990	1989	1961	1981	1996
MIN	.000	.000	.40	.50	1.08	.92	31.4	20.5	3.14	1.69	.015	.000
(WY)	1964	1964	1967	1964	1967	1967	1982	2000	1966	1964	1980	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	61565.87		18040.89			
ANNUAL MEAN	169		49.3		145	
HIGHEST ANNUAL MEAN					308	1973
LOWEST ANNUAL MEAN					29.5	1976
HIGHEST DAILY MEAN	4680	Jun 30	2410	Jun 21	17100	May 14 1968
LOWEST DAILY MEAN	.00	Sep 15	.81	Oct 1	.00	Aug 17 1963
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 15	1.3	Oct 1	.00	Aug 17 1963
INSTANTANEOUS PEAK FLOW			4430	Jun 21	[a]30000	May 14 1968
INSTANTANEOUS PEAK STAGE			20.37	Jun 21	[b]25.00	May 14 1968
INSTANTANEOUS LOW FLOW			.54	Oct 1	.00	at times
ANNUAL RUNOFF (AC-FT)	122100		35780		104900	
ANNUAL RUNOFF (CFSM)	1.15		.34		.99	
ANNUAL RUNOFF (INCHES)	15.58		4.57		13.39	
10 PERCENT EXCEEDS	444		66		277	
50 PERCENT EXCEEDS	45		16		31	
90 PERCENT EXCEEDS	2.3		2.7		1.6	

[a]From rating curve extended above 20,000 ft^3/s

[b]At present datum



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT										
06...	1400	81213	80513	.85	753	70	6.4	7.4	315	19.5
DEC										
20...	1230	81213	80513	43	755	85	10.1	7.1	240	7.5
FEB										
10...	1030	81213	80513	22	745	102	11.6	7.1	257	8.9
APR										
03...	1330	81213	80513	34	750	78	7.8	7.2	222	14.9
JUN										
27...	1415	81213	80513	80	752	77	6.2	7.2	172	26.1
AUG										
01...	0930	81213	80513	6.8	752	60	4.9	7.6	393	25.4

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
06...	120	18	18	2.5	1	30	35	7.0	75
DEC									
20...	87	15	12	2.4	.5	11	21	5.2	49
FEB									
10...	80	14	11	2.0	.7	15	28	7.2	54
APR									
03...	60	10	8.4	2.3	.9	16	36	7.3	39
JUN									
27...	55	9.6	7.5	2.2	.6	11	29	5.0	32
AUG									
01...	130	21	20	2.6	.8	22	26	6.4	74

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
OCT									
06...	.030	.91	.020	.88	.93	.04	<.010	.03	<.020
DEC									
20...	<.010	.20	.570	--	.77	--	<.010	.09	.040
FEB									
10...	<.010	<.20	.070	--	--	--	<.010	--	<.020
APR									
03...	.020	.37	.050	.35	.42	.03	<.010	--	<.020
JUN									
27...	<.010	.39	.230	--	.62	--	<.010	--	.020
AUG									
01...	.060	<.20	.040	--	--	.08	<.010	.03	<.020

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
06...	.010	<.020	255	--	41	33	.16	71	98
DEC									
20...	.030	.050	157	230	170	320	5.0	43	96
FEB									
10...	<.010	<.020	145	K31	50	K39	2.6	44	92
APR									
03...	<.010	.020	130	80	90	86	4.9	54	95
JUN									
27...	<.010	.070	114	90	200	280	12	54	88
AUG									
01...	.010	<.020	226	56	78	100	.92	50	85

07249400 JAMES FORK NEAR HACKETT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
AUG							
02...	1355	80513	80513	751	81	6.3	7.7
02...	1356	80513	80513	751	81	6.3	7.6
02...	1357	80513	80513	751	81	6.3	7.6
02...	1358	80513	80513	751	81	6.3	7.5
02...	1359	80513	80513	751	81	6.3	7.5
02...	1400	80513	80513	751	79	6.2	7.5
02...	1401	80513	80513	751	79	6.2	7.4
02...	1402	80513	80513	751	79	6.2	7.4
02...	1403	80513	80513	751	79	6.2	7.4
02...	1404	80513	80513	751	79	6.2	7.4

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
AUG						
02...	360	27.3	1.00	50.0	350	.50
02...	364	27.4	1.00	50.0	348	.50
02...	365	27.3	1.00	50.0	343	.50
02...	363	27.3	1.00	50.0	338	.50
02...	365	27.3	1.00	50.0	333	.50
02...	364	27.2	1.00	50.0	328	.50
02...	366	27.2	1.00	50.0	323	.50
02...	365	27.2	1.00	50.0	318	.50
02...	365	27.1	1.00	50.0	313	.50
02...	365	27.1	1.00	50.0	308	.50

07249800 LEE CREEK AT SHORT, OKLAHOMA

LOCATION.--Lat 35°33'57", long 94°31'53", in SE1/4 on line between secs. 27 and 34, T.13 N., R.26 E., Indian Meridian, Sequoyah County, Oklahoma, Hydrologic Unit 11110104, on right bank at right downstream end of bridge on State Highway 101, 0.5 mi west of Short, Oklahoma.

DRAINAGE AREA.--236 mi^2.

PERIOD OF RECORD.--September 1999 to current year. Occasional low-flow measurements water years 1958-63 and 1987-89.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	6.1	18	16	17	136	288	102	462	815	21	e.60
2	1.1	5.3	19	15	16	126	268	216	371	645	18	e.50
3	1.1	5.3	27	72	17	551	247	276	372	839	16	e.40
4	1.0	5.8	47	326	20	1030	217	401	287	587	14	.32
5	.80	6.6	124	250	26	737	190	343	228	429	12	.00
6	.73	7.0	159	167	37	576	169	610	185	316	9.6	.00
7	.63	6.9	106	129	43	471	153	1490	147	241	8.1	.00
8	1.2	6.0	75	111	43	424	135	902	116	194	6.1	.00
9	1.2	6.3	67	101	42	475	120	649	97	162	4.9	.00
10	1.1	7.0	60	95	41	416	107	545	169	139	3.6	.00
11	.78	7.7	80	87	39	368	124	455	924	118	3.0	.00
12	.41	8.1	1390	77	37	349	448	345	641	101	2.0	.00
13	.35	8.1	1100	67	36	331	410	e270	460	88	1.6	.00
14	.08	8.1	551	57	33	295	316	e215	973	77	1.7	.00
15	e.00	8.1	341	50	30	265	264	e170	2000	67	1.7	.00
16	e.00	8.1	219	45	29	240	233	e130	1040	58	1.4	.00
17	e.00	8.1	153	42	33	220	208	e110	2080	52	1.2	.00
18	e.00	7.8	118	38	49	217	188	e90	2100	46	1.1	.00
19	e.00	7.5	95	35	101	216	166	e70	1310	41	e1.1	.00
20	e.00	7.5	78	31	115	219	181	e60	1070	39	e1.5	.00
21	e.00	7.5	64	28	99	204	256	e50	22300	39	e1.8	.00
22	e.00	8.7	54	26	88	184	234	e40	4760	41	2.0	.00
23	e.00	15	46	24	85	167	200	37	1940	41	2.3	.00
24	e.00	19	40	22	78	166	181	29	1330	39	2.8	e2.0
25	e.00	18	35	20	79	231	160	36	1130	36	2.9	e3.0
26	e.00	18	31	18	104	313	139	34	888	32	3.0	e1.0
27	e.00	18	27	19	230	512	120	9130	797	30	2.7	e.30
28	.00	18	24	22	189	535	103	2870	1150	27	2.3	e.00
29	.00	18	22	21	156	447	88	1300	1820	26	1.4	e.00
30	.00	18	19	19	---	382	75	855	1090	26	1.1	e.00
31	3.5	---	18	17	---	329	---	623	---	23	e.80	---
TOTAL	15.18	299.6	5207	2047	1912	11132	5988	22453	52237	5414	152.70	8.12
MEAN	.49	9.99	168	66.0	65.9	359	200	724	1741	175	4.93	.27
MAX	3.5	19	1390	326	230	1030	448	9130	22300	839	21	3.0
MIN	.00	5.3	18	15	16	126	75	29	97	23	.80	.00
AC-FT	30	594	10330	4060	3790	22080	11880	44540	103600	10740	303	16
CFSM	.00	.04	.71	.28	.28	1.52	.85	3.07	7.38	.74	.02	.00
IN.	.00	.05	.82	.32	.30	1.75	.94	3.54	8.23	.85	.02	.00

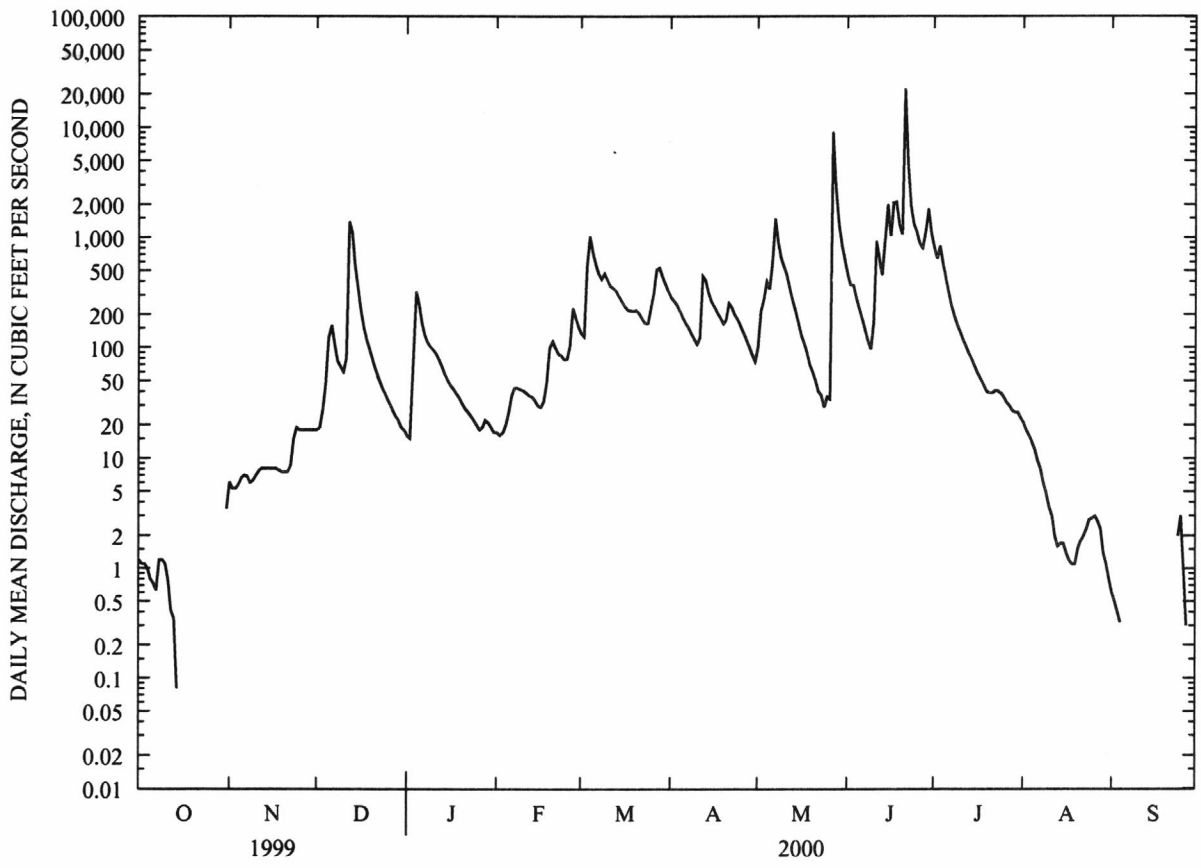
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	.50	12.5	188	56.5	53.9	359	200	724	1742	170	3.50	.060
MAX	.50	12.5	188	56.5	53.9	359	200	724	1742	170	3.50	.060
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
MIN	.50	12.5	188	56.5	53.9	359	200	724	1742	170	3.50	.060
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

07249800 LEE CREEK AT SHORT, OKLAHOMA--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	106865.60			
ANNUAL MEAN	292		292	
HIGHEST ANNUAL MEAN			292	2000
LOWEST ANNUAL MEAN			292	2000
HIGHEST DAILY MEAN	22300	Jun 21	22300	Jun 21 2000
LOWEST DAILY MEAN	.00	Oct 15	.00	Sep 16 1999
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 15	.00	Oct 15 1999
INSTANTANEOUS PEAK FLOW	[a]44000	Jun 21	[a]44000	Jun 21 2000
INSTANTANEOUS PEAK STAGE	25.07	Jun 21	25.07	Jun 21 2000
INSTANTANEOUS LOW FLOW	.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	212000		211300	
ANNUAL RUNOFF (CFSM)	1.24		1.24	
ANNUAL RUNOFF (INCHES)	16.84		16.79	
10 PERCENT EXCEEDS	579		571	
50 PERCENT EXCEEDS	42		30	
90 PERCENT EXCEEDS	.00		.00	

[a]From rating curve extended above 17,000 ft^3/s on basis of slope-area measurement of peak flow
[e]Estimated



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.

WATER-DISCHARGE RECORDS

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.--Water-discharge records good except estimated dialy 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	8.2	9.3	45	55	199	355	e240	576	1610	22	.00
2	1.5	6.0	8.7	43	58	190	328	e310	434	1280	19	.00
3	1.5	6.9	13	126	62	784	297	e380	562	1430	18	.00
4	1.3	6.1	24	474	69	1470	256	500	384	1080	16	.00
5	1.3	5.5	177	393	81	1010	221	452	302	787	15	.00
6	1.3	5.1	210	284	95	753	195	1030	236	591	13	.00
7	1.2	6.0	156	220	102	589	178	2360	190	460	11	.00
8	2.0	5.7	114	192	104	515	159	1330	162	361	10	.00
9	2.0	4.7	100	185	102	536	144	886	144	283	8.9	.00
10	1.6	4.3	99	178	98	467	132	709	178	228	8.0	.00
11	1.3	4.0	118	164	96	411	172	550	1100	183	7.1	.00
12	1.3	3.9	2580	148	94	377	412	419	837	150	6.3	.00
13	1.1	3.7	1840	134	90	351	421	325	564	124	5.6	.00
14	.72	3.2	875	120	82	315	e380	243	1780	102	4.9	.00
15	.80	3.5	534	109	78	281	e360	190	3460	84	4.5	.00
16	.74	4.1	357	100	75	254	e320	161	1590	70	4.0	.00
17	.28	3.9	260	94	81	232	e280	142	3390	59	3.0	.00
18	.31	3.9	198	90	118	231	e260	122	3590	52	2.3	.00
19	.44	3.7	163	85	162	235	e240	104	2060	45	2.1	.00
20	.44	3.5	138	78	183	236	e270	91	1590	42	1.8	.00
21	.46	3.5	117	73	165	220	e300	79	41100	45	1.4	.00
22	.38	3.6	102	68	151	199	e280	72	9370	48	.95	.00
23	.24	8.2	90	64	149	184	e270	63	4200	47	.61	.00
24	.20	14	82	61	141	183	e250	54	2900	41	.43	1.9
25	.15	17	74	58	149	220	e240	70	2360	37	.33	3.4
26	.13	15	67	55	191	429	e220	71	1850	32	.07	1.4
27	.15	13	61	57	286	893	e200	12200	1640	29	.00	.25
28	.23	11	56	61	264	806	e180	5040	2210	30	.00	.00
29	.22	11	52	58	221	626	e160	2100	3740	28	.00	.00
30	.66	9.9	50	56	---	505	e140	1240	2190	27	.00	.00
31	5.2	---	47	57	---	418	---	825	---	25	.00	---
TOTAL	30.75	202.1	8772.0	3930	3602	14119	7620	32358	94689	9410	186.29	6.95
MEAN	.99	6.74	283	127	124	455	254	1044	3156	304	6.01	.23
MAX	5.2	17	2580	474	286	1470	421	12200	41100	1610	22	3.4
MIN	.13	3.2	8.7	43	55	183	132	54	144	25	.00	.00
AC-FT	61	401	17400	7800	7140	28010	15110	64180	187800	18660	370	14
CFSM	.00	.02	.67	.30	.30	1.08	.60	2.49	7.52	.72	.01	.00
IN.	.00	.02	.78	.35	.32	1.25	.67	2.87	8.39	.83	.02	.00

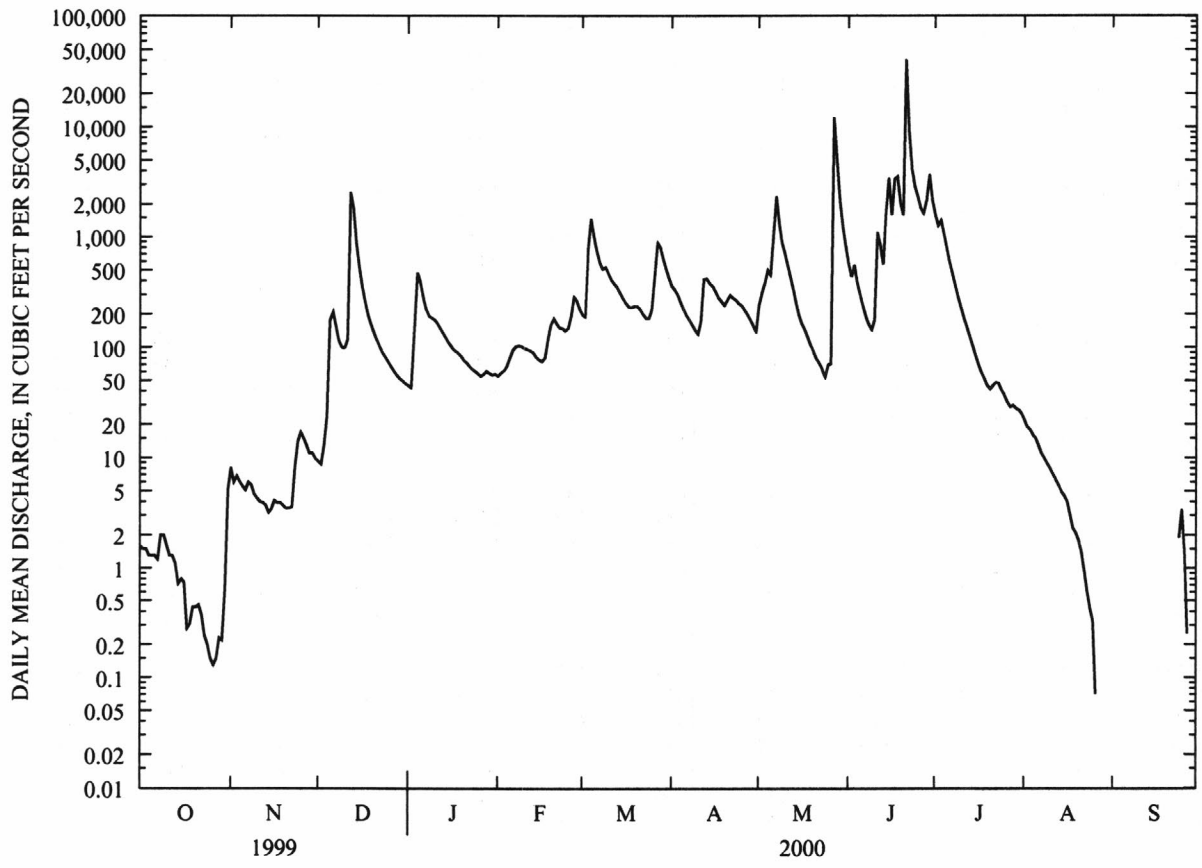
07249985 LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-36, 1951-00 , BY WATER YEAR (WY)

MEAN	234	543	560	561	728	1065	1076	941	473	131	46.3	133
MAX	2837	3572	2378	2831	2824	3100	3657	3516	4450	1909	583	1678
(WY)	1971	1974	1988	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931-36, 1951-00	
ANNUAL TOTAL	239490.17		174926.09			
ANNUAL MEAN	656		478		540	
HIGHEST ANNUAL MEAN					1090	1935
LOWEST ANNUAL MEAN					92.5	1954
HIGHEST DAILY MEAN	8230	Mar 13	41100	Jun 21	41100	Jun 21 2000
LOWEST DAILY MEAN	.13	Sep 3	.00	Aug 27	.00	Sep 8 1932
ANNUAL SEVEN-DAY MINIMUM	.19	Oct 23	.00	Aug 27	.00	Sep 8 1932
INSTANTANEOUS PEAK FLOW			74800	Jun 21	80600	May 6 1960
INSTANTANEOUS PEAK STAGE			27.24	Jun 21	[a]30.30	May 6 1960
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	475000		347000		390900	
ANNUAL RUNOFF (CFSM)	1.56		1.14		1.28	
ANNUAL RUNOFF (INCHES)	21.21		15.49		17.46	
10 PERCENT EXCEEDS	1780		848		1240	
50 PERCENT EXCEEDS	160		90		134	
90 PERCENT EXCEEDS	1.3		.21		2.3	

[a]At former site and datum
[e]Estimated



07249985 LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1992 to current year.

REMARKS.--Water-quality data for this station for the period October 1995 to September 1997 published under station number 07250085.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT												
07...	1130	81213	80513	1.2	56	752	6.6	71	7.8	105	18.5	34
DEC												
07...	1400	81213	80513	163	65	750	10.3	90	6.9	90	9.0	39
FEB												
10...	1400	81213	80513	96	52	745	11.1	99	7.3	100	9.3	36
APR												
06...	1100	81213	80513	201	51	747	8.8	89	7.1	84	15.1	33
JUN												
14...	0830	81213	80513	390	66	747	6.5	78	7.3	82	23.4	41

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT												
07...	11.0	1.70	1.2	.2	2.8	14	3.2	4.0	.030	<.20	.04	.030
DEC												
07...	13.0	1.60	1.3	.2	3.1	14	5.2	5.3	.020	<.20	.03	.170
FEB												
10...	12.0	1.50	.8	.3	3.6	17	6.2	6.2	<.010	<.20	--	.080
APR												
06...	11.0	1.30	.9	.2	2.7	15	3.3	5.5	.010	<.20	.01	.070
JUN												
14...	14.0	1.40	1.2	.2	2.2	10	2.3	3.9	.020	<.20	.03	.080

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT												
07...	<.010	--	<.020	<.010	<.020	K3	K3	K10	--	100	22	.07
DEC												
07...	<.010	--	.050	<.010	.040	46	100	290	--	96	19	8.4
FEB												
10...	<.010	--	<.020	<.010	<.020	<2	K2	<1	<.1	86	16	4.1
APR												
06...	<.010	--	<.020	<.010	<.020	20	<22	K13	<.1	91	17	9.2
JUN												
14...	<.010	.031	.050	.010	.060	42	52	90	1.0	92	26	27

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DEPTH BOTTOM AT SAMPLE LOCATION, (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM R BK) (72103)	SAMPLING DEPTH (FEET) (00003)	STREAM WIDTH (FT) (00004)
AUG							
02...	1150	80513	80513	1.00	3.0	.50	30.0
02...	1151	80513	80513	1.00	9.0	.50	30.0
02...	1152	80513	80513	1.00	15.0	.50	30.0
02...	1153	80513	80513	1.00	21.0	.50	30.0
02...	1154	80513	80513	1.00	27.0	.50	30.0

07249985 LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)
AUG						
02...	752	5.8	73	7.7	118	26.8
02...	753	7.5	98	7.9	103	28.5
02...	753	7.5	98	7.8	104	28.4
02...	753	7.5	98	7.6	104	28.4
02...	753	7.5	98	7.6	104	28.5
02...	753	7.6	100	7.6	104	28.8

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
AUG									
02...	0900	18	63	45	15.0	1.80	1.4	.2	2.9

DATE	SODIUM PERCENT (00932)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
AUG									
02...	12	3.5	3.6	.020	<.20	.03	.070	<.010	<.020

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG									
02...	<.010	<.020	20	21	24	3.3	84	20	.97

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 mi².

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Records given herein represent spillway flow and power releases 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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

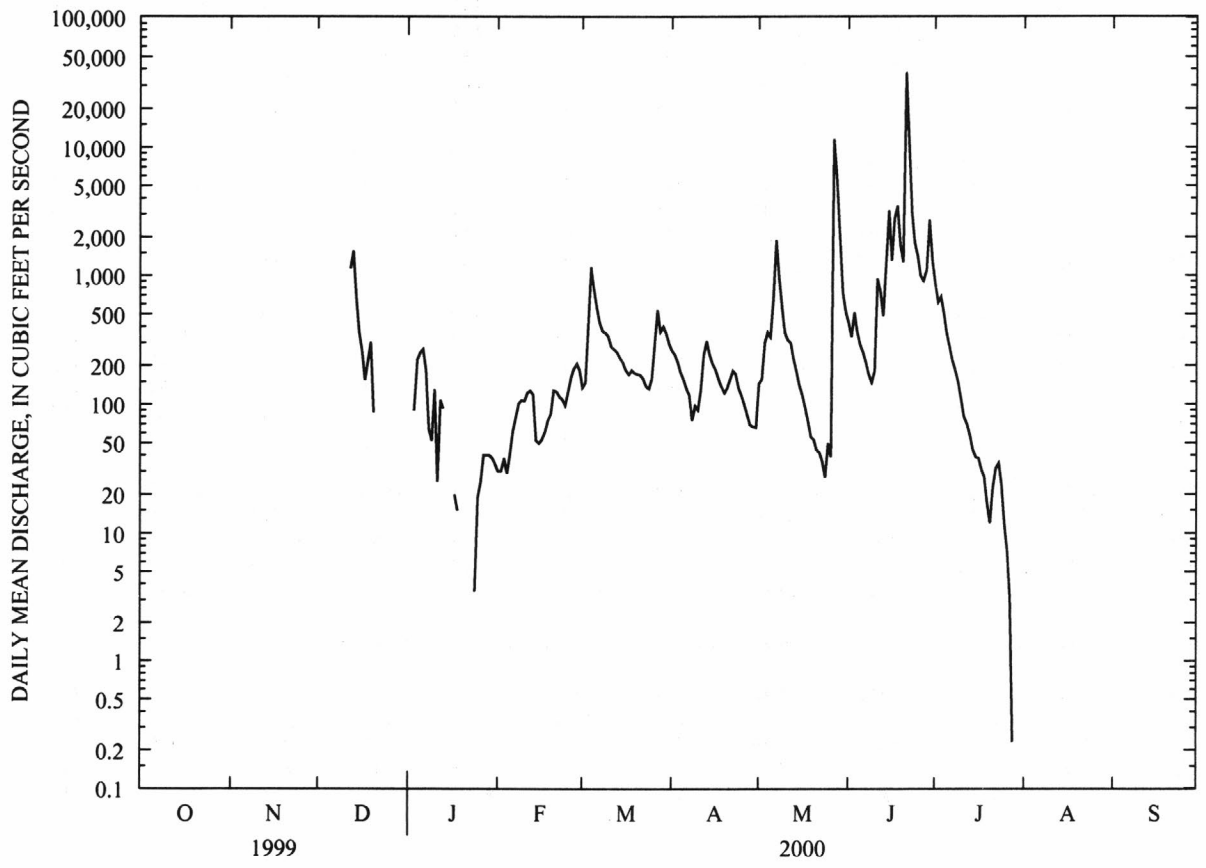
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	30	136	261	146	431	870	.00	.00
2	.00	.00	.00	.00	30	149	242	159	335	624	.00	.00
3	.00	.00	.00	89	38	448	211	300	515	686	.00	.00
4	.00	.00	.00	222	29	1160	177	362	364	510	.00	.00
5	.00	.00	.00	252	41	793	156	332	288	358	.00	.00
6	.00	.00	.00	269	62	571	133	664	253	279	.00	.00
7	.00	.00	.00	183	79	434	118	1890	210	217	.00	.00
8	.00	.00	11	65	101	371	75	955	170	182	.00	.00
9	.00	.00	.00	52	107	359	97	560	148	148	.00	.00
10	.00	.00	.00	131	106	337	90	359	182	107	.00	.00
11	.00	.00	.00	25	123	282	130	315	943	80	.00	.00
12	.00	.00	1140	108	128	268	243	300	748	69	.00	.00
13	.00	.00	1560	93	119	255	312	224	485	57	.00	.00
14	.00	.00	671	.00	52	231	244	180	1390	44	.00	.00
15	.00	.00	365	43	50	213	207	141	3190	39	.00	.00
16	.00	.00	259	.00	53	186	185	119	1300	38	.00	.00
17	.00	.00	155	20	61	171	158	95	2790	31	.00	.00
18	.00	.00	214	15	75	185	137	74	3480	27	.00	.00
19	.00	.00	306	.00	84	176	122	56	1730	17	.00	.00
20	.00	.00	86	.00	129	172	135	53	1270	12	.00	.00
21	.00	.00	.00	.00	126	169	156	44	37800	23	.00	.00
22	.00	.00	.00	.00	115	157	182	42	11200	32	.00	.00
23	.00	.00	.00	.00	109	139	171	36	3130	35	.00	.00
24	.00	.00	.00	3.5	98	132	133	27	1800	24	.00	.00
25	.00	.00	.00	19	127	157	117	50	1430	12	.00	.00
26	.00	.00	.00	25	161	302	100	39	1000	7.4	.00	.00
27	.00	.00	.00	40	191	539	83	11600	901	3.1	.00	.00
28	.00	.00	139	40	207	366	69	5860	1110	.23	.00	.00
29	.00	.00	.00	40	184	402	67	1780	2710	.00	.00	.00
30	.00	.00	.00	38	---	354	66	732	1320	1.8	.00	.00
31	.00	---	.00	34	---	296	---	523	---	.00	.00	---
TOTAL	0.00	0.00	4906.00	1806.50	2815	9910	4577	28017	82623	4533.53	0.00	0.00
MEAN	.000	.000	158	58.3	97.1	320	153	904	2754	146	.000	.000
MAX	.00	.00	1560	269	207	1160	312	11600	37800	870	.00	.00
MIN	.00	.00	.00	.00	29	132	66	27	148	.00	.00	.00
AC-FT	.00	.00	9730	3580	5580	19660	9080	55570	163900	8990	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	129	947	691	799	688	962	1077	812	664	125	13.2	73.6
MAX	454	3274	1666	2661	1961	1743	2178	1732	2754	481	54.6	307
(WY)	1994	1997	1993	1998	1997	1998	1993	1995	2000	1999	1994	1996
MIN	.000	.000	158	58.3	94.0	199	153	75.6	33.1	.000	.000	.000
(WY)	1993	2000	2000	2000	1996	1996	2000	1997	1998	1998	1993	1995

07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	193361.76		139188.03			
ANNUAL MEAN	530		380		580	
HIGHEST ANNUAL MEAN					833	1993
LOWEST ANNUAL MEAN					315	1996
HIGHEST DAILY MEAN	8980	Mar 13	37800	Jun 21	37800	Jun 21 2000
LOWEST DAILY MEAN	.00	Jan 18	.00	Oct 1	.00	Oct 1 1992
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 29	.00	Oct 1	.00	Oct 1 1992
INSTANTANEOUS PEAK FLOW			72400	Jun 21	72400	Jun 21 2000
INSTANTANEOUS PEAK STAGE			26.99	Jun 21	26.99	Jun 21 2000
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	383500		276100		420000	
10 PERCENT EXCEEDS	1350		545		1300	
50 PERCENT EXCEEDS	113		39		136	
90 PERCENT EXCEEDS	.00		.00		.00	



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 mi², of which 22,241 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", 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 the period October 1, 1998 to February 23, 2000 and for discharges below 10,000 ft³/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.

COOPERATION.--Daily discharges for the period Oct. 1, 1998 to Feb. 23, 2000 provided by the U.S. Army Corps of Engineers

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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e11500	33400	78500	26500	69800	26700	61000	141000	140000	167000	35800	17600
2	e12500	44600	68100	24000	45700	26700	62400	141000	145000	165000	32000	12200
3	e14300	72000	62000	28000	39100	26500	74400	150000	153000	127000	29900	13200
4	e18500	95000	55000	22800	63400	26400	98000	150000	143000	117000	28600	10400
5	e38100	123000	55800	12000	69700	22700	68200	165000	143000	118000	18000	8290
6	141000	128000	56000	21900	67700	24000	68000	164000	144000	118000	16700	4320
7	134000	127000	32700	23900	102000	14500	63000	155000	145000	115000	17900	12300
8	e100000	127000	53000	25600	125000	21900	67000	152000	147000	124000	10300	9500
9	121000	127000	68900	24100	89900	49900	73000	150000	148000	125000	16400	6500
10	131000	128000	47700	21100	75900	37000	61000	152000	149000	125000	19300	6000
11	129000	134000	64000	20400	74200	44700	58000	160000	151000	125000	22700	2330
12	131000	134000	70100	18600	69100	49500	62000	164000	148000	128000	23600	6040
13	127000	123000	93000	18300	75000	127000	51100	162000	126000	127000	23600	6580
14	121000	128000	91900	16000	79400	150000	31800	150000	110000	125000	22000	11300
15	126000	138000	81300	17300	75400	123000	35000	137000	108000	122000	10800	12900
16	107000	135000	72900	22400	68300	94800	51400	143000	96000	123000	14500	6920
17	76500	133000	65300	23900	60400	114000	70700	151000	80800	123000	16500	10500
18	65500	126000	59600	12500	39700	137000	76400	166000	89400	123000	14200	12700
19	67400	114000	55500	8860	33900	143000	80500	164000	87000	123000	19800	16000
20	79000	109000	38200	7970	33000	140000	84100	151000	74600	121000	12100	10200
21	79500	81200	32600	7140	28500	133000	78800	139000	94800	117000	18100	12600
22	82400	70200	33000	20600	31000	127000	77000	149000	107000	99000	22800	9020
23	78500	75200	32700	24300	41300	122000	77100	154000	117000	91000	21300	7700
24	72600	78000	31900	22200	38400	120000	80100	161000	130000	80100	25300	8050
25	59600	72800	34900	20500	29200	88000	82200	153000	142000	65700	17000	4470
26	54000	67000	35900	15200	30700	81000	110000	147000	147000	62900	14400	8930
27	52400	64400	31900	17200	33000	86000	151000	143000	125000	56900	11200	10900
28	39700	78500	26300	16300	30100	62600	157000	144000	114000	35700	5590	16000
29	37200	72500	29300	17600	---	75100	145000	146000	114000	32700	8630	14700
30	36000	74400	30300	28400	---	71800	141000	146000	138000	33500	17900	19500
31	36400	---	30200	66100	---	65100	---	146000	---	34300	12500	---

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

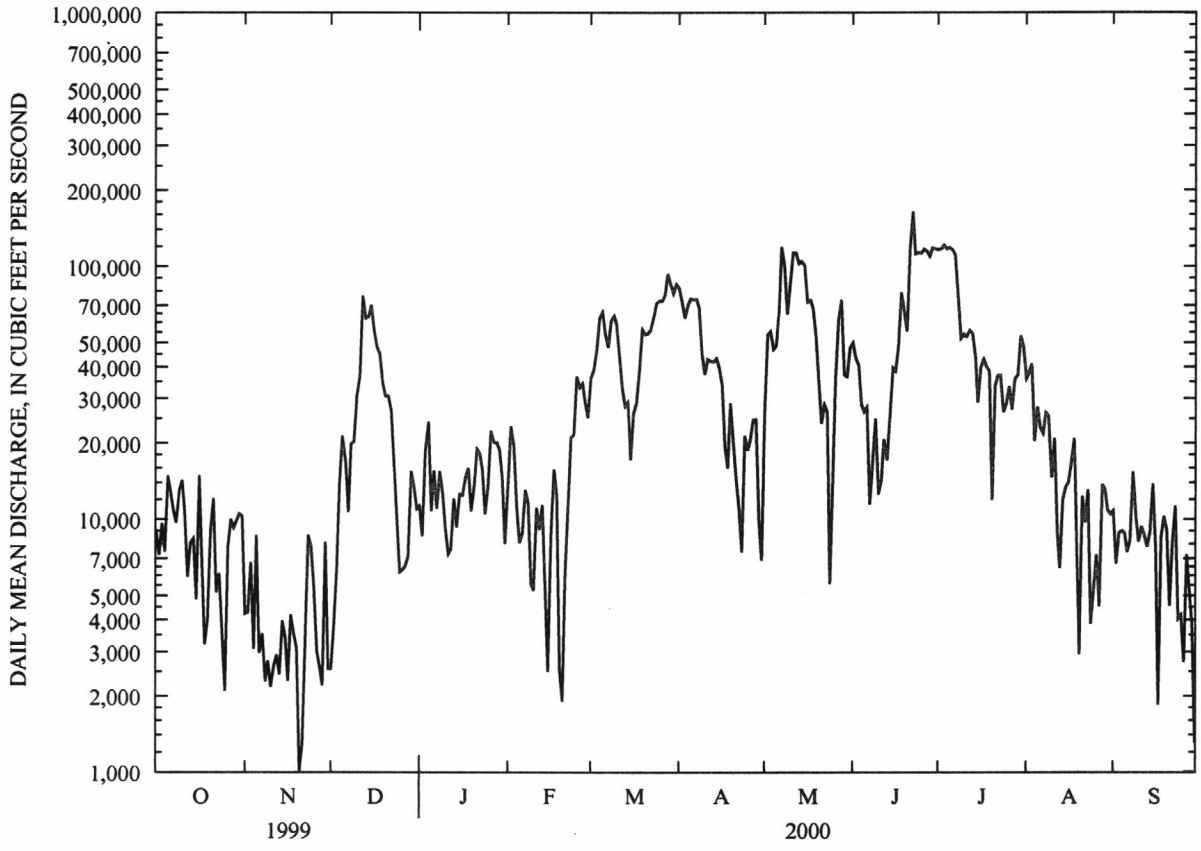
TOTAL	2379600	3013200	1618500	651670	1618800	2430900	2396200	4696000	3756600	3249800	579420	307650
MEAN	76760	100400	52210	21020	57810	78420	79870	151500	125200	104800	18690	10260
MAX	141000	138000	93000	66100	125000	150000	157000	166000	153000	167000	35800	19500
MIN	11500	33400	26300	7140	28500	14500	31800	137000	74600	32700	5590	2330
AC-FT	4720000	5977000	3210000	1293000	3211000	4822000	4753000	9315000	7451000	6446000	1149000	610200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1999, BY WATER YEAR (WY)

MEAN	28030	40300	38740	34680	34680	59060	62510	67420	61580	32130	16770	15930
MAX	224500	161200	139700	127000	87650	147200	164300	187500	191500	104800	62670	54130
(WY)	1987	1975	1993	1998	1993	1987	1973	1990	1995	1999	1992	1989
MIN	1446	1329	3187	696	2656	5658	2910	12160	4688	4457	4378	3341
(WY)	1981	1981	1981	1981	1981	1981	1981	1971	1988	1988	1991	1983

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1970 - 1999	
ANNUAL TOTAL	21379958		26698340			
ANNUAL MEAN	58580		73150		[a]40990	
HIGHEST ANNUAL MEAN					87670	1993
LOWEST ANNUAL MEAN					7737	1981
HIGHEST DAILY MEAN	194000	Jan 5	167000	Jul 1	397000	May 5 1990
LOWEST DAILY MEAN	45	Sep 10	2330	Sep 11	[b].00	[c]Nov 2 1975
ANNUAL SEVEN-DAY MINIMUM	1430	Sep 7	6710	Sep 6	364	Jan 14 1981
INSTANTANEOUS PEAK FLOW			169000	Jul 1	[d]401000	May 5 1990
INSTANTANEOUS PEAK STAGE			391.31	Jul 1	[f]401.75	May 5 1990
ANNUAL RUNOFF (AC-FT)	42410000		52960000		29690000	
10 PERCENT EXCEEDS	132000		145000		113000	
50 PERCENT EXCEEDS	43600		68100		24400	
90 PERCENT EXCEEDS	8910		12700		3440	

[a]Prior to regulation, water years 1928-69, 30,200 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]Estimated
[f]Maximum gage height for period of record, 38.10 ft, Apr. 16, 1945, at former site and datum



07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9080	4240	2560	11300	14300	36000	82100	26700	50200	117000	36200	10800
2	7250	4290	3760	8620	23300	39100	72200	53600	43300	117000	38000	6710
3	9630	6760	6380	18600	19600	46700	62300	55400	40700	121000	41100	8870
4	7480	3080	13800	24300	11300	62100	70100	47100	28300	117000	20500	9040
5	14900	8650	21400	10800	8090	66000	74600	48800	26700	118000	27800	8830
6	12800	2970	17000	15600	8820	54100	73800	67300	27800	116000	23100	7460
7	10900	3540	10700	11000	13100	48000	74100	119000	11500	111000	21900	8310
8	9720	2290	19900	15500	11600	61000	68700	101000	16400	75900	26300	15400
9	13100	2760	20300	12800	5600	63700	45200	64700	25000	52100	25500	10100
10	14300	2180	31000	9230	5240	59100	37600	84200	12600	54100	14700	8210
11	10600	2630	36700	7320	11100	45100	43000	113000	14400	52900	20900	9380
12	5920	2920	76400	7680	9140	32900	42200	113000	20700	56100	8910	8660
13	8130	2440	62200	12100	11400	28000	42000	103000	17200	54400	6430	7830
14	8470	3970	63200	9344	5090	29200	43300	105000	26100	44300	12000	8930
15	4830	3430	70200	12600	2500	17200	40100	101000	39500	28900	13500	13900
16	14900	2300	56200	12500	8630	26300	34300	72400	38300	39700	14200	7760
17	5890	4200	48200	14700	15800	28700	19500	73400	48500	42900	16900	1840
18	3220	3560	45000	16000	12500	38600	16100	68500	78700	40100	20900	8530
19	3990	3110	34700	10800	2570	56300	28800	53700	65800	38400	7080	10300
20	8990	1010	30600	13500	1910	53800	21100	35000	55500	12000	2930	9080
21	12100	1310	30700	19000	5860	54200	14500	24000	116000	33700	12300	4560
22	5170	3750	26800	18300	10100	56100	11200	28300	165000	37000	9760	8120
23	6120	8660	14500	15900	21100	62200	7450	26600	112000	37100	13100	11300
24	3600	7800	9240	10500	21600	71200	21500	5560	113000	26600	3870	4060
25	2090	5320	6200	13600	36700	72800	18800	11200	113000	28500	5350	4200
26	7830	3020	6350	22400	33300	73000	20600	36700	117000	33500	7260	2730
27	10000	2640	6550	20100	34600	77400	24700	61000	115000	27200	4530	7260
28	9280	2200	7150	20100	29100	93400	24900	73800	109000	36000	13800	5470
29	9820	8130	15500	18800	25300	85700	10100	37500	118000	37300	13100	3850
30	10500	2560	13500	14600	---	77800	6910	36700	117000	53100	10900	1310
31	10300	---	11000	8020	---	84900	---	47800	---	48100	10500	---
TOTAL	270910	115720	817690	435614	419250	1700600	1151760	1894960	1882200	1806900	503320	232800
MEAN	8739	3857	26380	14050	14460	54860	38390	61130	62740	58290	16240	7760
MAX	14900	8660	76400	24300	36700	93400	82100	119000	165000	121000	41100	15400
MIN	2090	1010	2560	7320	1910	17200	6910	5560	11500	12000	2930	1310
AC-FT	537400	229500	1622000	864000	831600	3373000	2285000	3759000	3733000	3584000	998300	461800

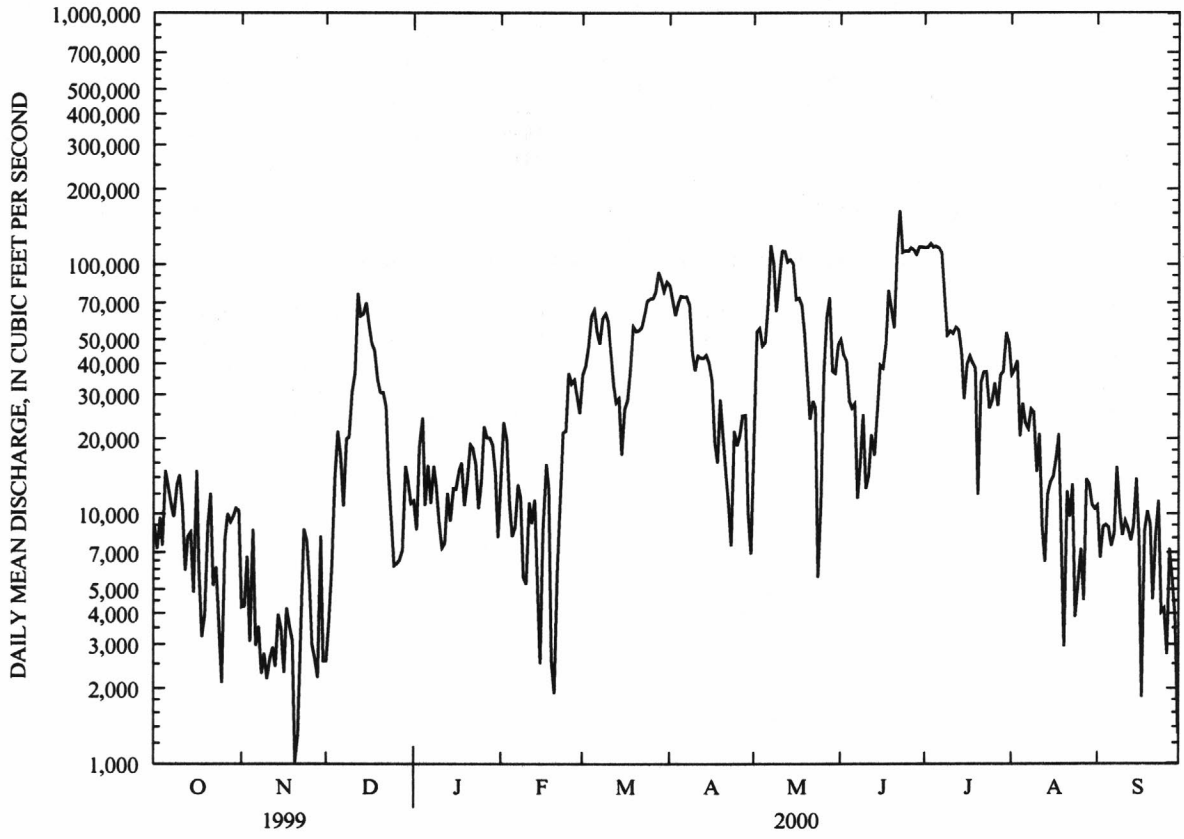
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2000, BY WATER YEAR (WY)

MEAN	27410	39120	38340	34020	34010	58930	61740	67220	61620	32980	16750	15670
MAX	224500	161200	139700	127000	87650	147200	164300	187500	191500	105000	62670	54130
(WY)	1987	1975	1993	1998	1993	1987	1973	1990	1995	1999	1992	1989
MIN	1446	1329	3187	696	2656	5658	2910	12160	4688	4457	4378	3341
(WY)	1981	1981	1981	1981	1981	1981	1981	1971	1988	1988	1991	1983

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1970 - 2000	
ANNUAL TOTAL	20896360		11231724			
ANNUAL MEAN	57250		30690		[a]40660	
HIGHEST ANNUAL MEAN					87670	1993
LOWEST ANNUAL MEAN					7737	1981
HIGHEST DAILY MEAN	172000	Jul 1	165000	Jun 22	397000	May 5 1990
LOWEST DAILY MEAN	1010	Nov 20	1010	Nov 20	[b].00	[c]Nov 2 1975
ANNUAL SEVEN-DAY MINIMUM	2680	Nov 7	2680	Nov 7	364	Jan 14 1981
INSTANTANEOUS PEAK FLOW			183000	Jun 22	[d]401000	May 5 1990
INSTANTANEOUS PEAK STAGE			392.38	Jun 22	[e]401.75	May 5 1990
ANNUAL RUNOFF (AC-FT)	41450000		22280000		29450000	
10 PERCENT EXCEEDS	145000		73900		111000	
50 PERCENT EXCEEDS	30700		17200		24200	
90 PERCENT EXCEEDS	5480		4040		3470	

[a]Prior to regulation, water years 1928-69, 30,200 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



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
OCT											
05...	1430	81213	80513	24000	464	757	6.8	77	7.1	680	21.0
DEC											
08...	1200	81213	80513	23500	431	753	9.0	84	6.9	710	12.0
FEB											
01...	1430	81213	80513	22500	515	757	12.1	98	7.8	900	5.7
APR											
17...	1030	81213	80513	22800	436	756	8.8	90	8.1	844	16.0
JUN											
14...	1100	81213	80513	10200	427	749	7.3	91	7.8	761	25.5

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
OCT										
05...	170	48.0	12.0	3.8	2	66.0	45	100	87.0	.010
DEC										
08...	180	48.0	14.0	4.1	2	66.0	44	110	85.0	.020
FEB										
01...	170	48.0	12.0	6.2	3	96.0	54	160	88.0	.020
APR										
17...	150	41.0	11.0	3.7	3	73.0	51	120	77.0	.030
JUN										
14...	160	46.0	12.0	3.7	3	74.0	49	110	80.0	.040

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT										
05...	.35	.01	--	--	<.020	--	<.010	.34	--	.031
DEC										
08...	.37	.03	.070	.310	.080	.033	.010	.35	.45	--
FEB										
01...	.40	.03	.590	2.61	.600	.033	.010	.38	1.0	.215
APR										
17...	.53	.04	.360	1.59	.380	.066	.020	.50	.91	--
JUN										
14...	.61	.05	.260	1.15	.280	.066	.020	.57	.89	.031

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT										
05...	.050	.010	.050	<1	23	K5	13.0	100	132	8550
DEC										
08...	.040	<.010	.060	--	51	41	--	97	75	4760
FEB										
01...	.080	.070	.110	<5	K6	K6	11.0	--	--	--
APR										
17...	.040	<.010	.100	K11	32	22	--	98	128	7880
JUN										
14...	.050	.010	.080	K20	58	26	5.3	98	102	2810

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DEPTH BOTTOM AT SAMPLE LOCATION, (FEET) (81903)	SAMPLING DEPTH (FEET) (00003)	STREAM WIDTH (FT) (00004)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG							
03...	0650	80513	80513	10.0	2.00	1500	755
03...	0651	80513	80513	10.0	8.00	1500	755
03...	0652	80513	80513	10.0	2.00	1500	755
03...	0653	80513	80513	10.0	8.00	1500	755
03...	0654	80513	80513	11.0	2.00	1500	755
03...	0655	80513	80513	11.0	8.00	1500	755
03...	0656	80513	80513	16.0	3.00	1500	755
03...	0657	80513	80513	16.0	13.0	1500	755
03...	0658	80513	80513	16.0	3.00	1500	755
03...	0659	80513	80513	16.0	13.0	1500	755
03...	0700	80513	80513	20.0	4.00	1500	755
03...	0701	80513	80513	20.0	16.0	1500	755
03...	0702	80513	80513	20.0	4.00	1500	755
03...	0703	80513	80513	20.0	16.0	1500	755
03...	0704	80513	80513	20.0	4.00	1500	755
03...	0705	80513	80513	20.0	16.0	1500	755
03...	0706	80513	80513	20.0	4.00	1500	755
03...	0707	80513	80513	20.0	16.0	1500	755
03...	0708	80513	80513	20.0	4.00	1500	755
03...	0709	80513	80513	20.0	16.0	1500	755
03...	0730	80513	80513	--	--	--	752

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
AUG						
03...	7.9	104	8.2	802	29.0	75.0
03...	7.9	104	8.2	802	29.1	75.0
03...	7.9	104	8.2	803	29.1	225
03...	7.8	103	8.2	802	29.1	225
03...	7.9	104	8.2	803	29.1	375
03...	7.9	104	8.2	803	29.1	375
03...	7.9	104	8.2	802	29.1	525
03...	7.9	104	8.2	803	29.1	525
03...	7.9	104	8.3	802	29.1	675
03...	7.8	104	8.2	802	29.1	675
03...	7.9	105	8.3	802	29.1	825
03...	7.9	104	8.2	802	29.1	825
03...	7.9	105	8.3	801	29.1	975
03...	7.9	104	8.2	801	29.1	975
03...	7.9	104	8.2	801	29.1	1120
03...	7.8	104	8.2	801	29.1	1120
03...	7.9	104	8.2	800	29.1	1280
03...	7.8	103	8.2	800	29.1	1280
03...	7.8	103	8.2	799	29.1	1420
03...	7.8	103	8.2	800	29.1	1420
03...	7.4	98	8.6	826	29.0	

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 03...	0730	41300	425	180	49.0	13.0	4.5	3	81.0	49

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
AUG 03...	120	88.0	.010	.49	.01	.030	<.010	.48	.52	.123

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
AUG 03...	.040	.040	.070	K4	K11	K14	14.0	98	121	13500

07252000 MULBERRY RIVER NEAR MULBERRY

LOCATION.--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.--373 mi^2.

PERIOD OF RECORD.--May 1938 to September 1994, October 1998 to current year. Annual maximum, water years 1995-98.

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

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft, discharge, about 59,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	4.2	16	118	79	411	421	253	720	501	25	2.0
2	1.6	2.3	20	115	79	357	407	275	558	916	22	2.6
3	1.4	2.5	35	179	79	426	382	257	466	703	20	1.8
4	1.3	3.2	71	493	84	595	350	233	398	523	18	1.6
5	1.2	3.1	465	466	89	547	319	178	338	410	17	1.6
6	1.1	2.6	333	412	95	504	298	196	283	327	15	1.6
7	.99	2.3	211	373	90	449	286	470	241	271	14	1.6
8	1.5	3.0	158	346	89	414	265	486	207	231	13	1.5
9	1.7	4.3	143	343	87	395	247	406	178	197	11	1.5
10	1.8	4.5	344	333	84	348	233	370	181	167	9.3	1.5
11	2.0	3.9	374	308	84	330	258	323	211	143	8.1	1.4
12	1.8	3.5	5720	276	82	318	506	282	377	122	7.5	1.5
13	1.6	4.9	3190	254	79	285	523	251	302	103	6.5	1.6
14	1.8	4.7	1420	233	76	268	483	224	589	85	5.7	1.5
15	1.8	4.4	892	211	72	256	466	194	3190	72	4.9	1.3
16	1.7	4.5	635	199	66	249	445	175	1450	63	4.6	.94
17	1.6	4.2	504	187	68	238	391	160	12900	56	3.9	.81
18	1.5	3.9	414	178	156	231	348	148	10500	49	3.4	.70
19	1.4	4.1	350	172	310	257	316	155	4320	42	3.1	.60
20	1.2	4.0	305	163	287	285	337	198	2620	39	2.7	.52
21	1.1	4.0	263	148	267	280	364	180	19800	39	2.3	.46
22	1.0	4.4	232	139	253	271	318	157	7020	37	2.0	.36
23	.92	10	211	131	246	264	295	140	3260	37	1.8	1.2
24	.84	13	192	122	234	275	318	124	2100	36	1.7	3.8
25	.77	14	175	115	218	287	335	124	1510	32	1.5	5.0
26	.73	15	164	105	446	428	307	114	1080	30	1.4	3.7
27	.67	20	152	100	627	531	282	10000	818	28	1.3	2.6
28	.62	19	142	106	527	565	260	5790	703	28	1.3	1.8
29	.63	18	135	96	462	533	248	2390	807	28	1.3	1.6
30	.92	17	128	86	---	500	233	1430	624	29	1.3	1.6
31	3.0	---	122	83	---	454	---	974	---	27	1.3	---
TOTAL	41.89	208.5	17516	6590	5415	11551	10241	26657	77751	5371	231.9	50.29
MEAN	1.35	6.95	565	213	187	373	341	860	2592	173	7.48	1.68
MAX	3.0	20	5720	493	627	595	523	10000	19800	916	25	5.0
MIN	.62	2.3	16	83	66	231	233	114	178	27	1.3	.36
AC-FT	83	414	34740	13070	10740	22910	20310	52870	154200	10650	460	100
CFSM	.00	.02	1.51	.57	.50	1.00	.92	2.31	6.95	.46	.02	.00
IN.	.00	.02	1.75	.66	.54	1.15	1.02	2.66	7.75	.54	.02	.01

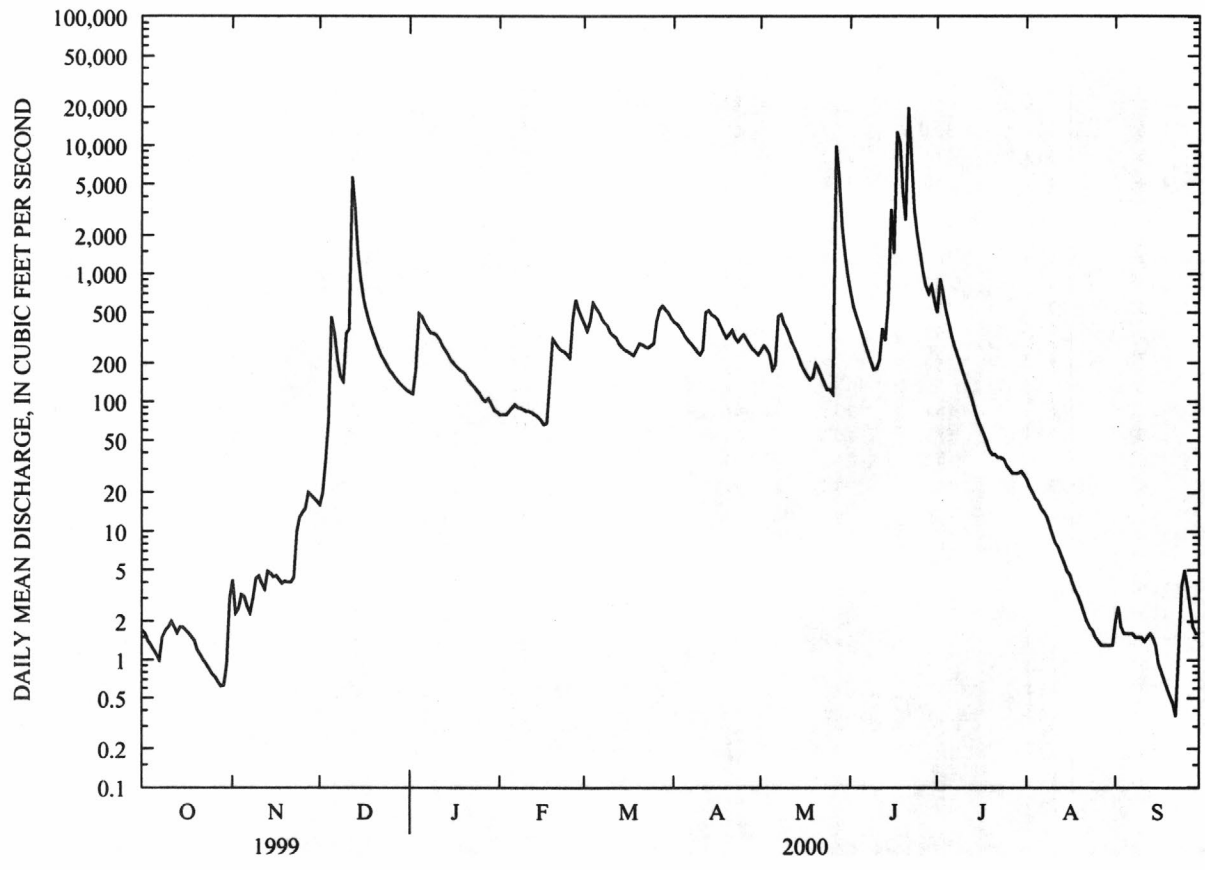
07252000 MULBERRY RIVER NEAR MULBERRY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-94, 1999-00, BY WATER YEAR (WY)

MEAN	172	545	653	625	870	1069	1112	984	422	117	64.6	82.8
MAX	1566	2280	2997	3083	2873	4124	3576	4233	2592	908	952	1497
(WY)	1985	1974	1983	1949	1951	1945	1945	1990	2000	1950	1950	1974
MIN	.000	.033	2.45	5.34	47.0	75.7	263	88.7	9.68	2.72	.061	.000
(WY)	1954	1954	1990	1964	1967	1967	1971	1977	1977	1963	1954	1954

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939-94, 1999-00	
ANNUAL TOTAL	210883.39		161624.58			
ANNUAL MEAN	578		442		555	
HIGHEST ANNUAL MEAN					1226	1945
LOWEST ANNUAL MEAN					185	1954
HIGHEST DAILY MEAN	5720	Dec 12	19800	Jun 21	40900	May 3 1990
LOWEST DAILY MEAN	.62	Oct 28	.36	Sep 22	.00	Sep 24 1939
ANNUAL SEVEN-DAY MINIMUM	.74	Oct 23	.63	Sep 16	.00	Aug 25 1943
INSTANTANEOUS PEAK FLOW			39900	Jun 17	[a]70200	Dec 3 1982
INSTANTANEOUS PEAK STAGE			18.31	Jun 17	23.66	Dec 3 1982
INSTANTANEOUS LOW FLOW			.31	Sep 22,23	.00	at times
ANNUAL RUNOFF (AC-FT)	418300		320600		402100	
ANNUAL RUNOFF (CFSM)	1.55		1.18		1.49	
ANNUAL RUNOFF (INCHES)	21.03		16.12		20.22	
10 PERCENT EXCEEDS	1470		532		1340	
50 PERCENT EXCEEDS	238		142		183	
90 PERCENT EXCEEDS	1.9		1.5		3.7	

[a]From rating curve extended above 38,000 ft^3/s



07257006 BIG PINEY CREEK AT HWY 164 NEAR DOVER

LOCATION.--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.--297 mi².

PERIOD OF RECORD.--October 1950 to September 1995, October 1998 to current year. Annual maximum, water years 1996-1998. Prior to October 1967, published as "Piney Creek near Dover". Prior to October 1992, published as "07257000 Big Piney Creek near Dover".

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.89	6.0	74	75	579	305	200	438	331	11	.13
2	.05	.52	5.5	74	73	460	292	189	327	270	9.0	.15
3	.05	.46	15	103	73	685	279	186	263	285	8.0	.13
4	.04	.38	87	622	73	826	252	187	216	243	6.9	.13
5	.04	.35	238	418	75	705	225	409	187	191	5.9	.10
6	.04	.33	216	334	76	602	209	1080	157	156	5.0	.08
7	.04	.32	132	285	76	511	202	1590	129	129	4.3	.07
8	.31	.31	99	251	75	445	194	1000	108	109	3.3	.08
9	.24	.30	100	236	74	395	176	677	92	104	3.0	.08
10	.17	.30	172	221	73	345	162	541	87	92	2.8	.08
11	.14	.28	274	202	73	335	250	409	141	78	2.4	.07
12	.11	.27	4270	180	73	320	717	329	160	69	2.2	.06
13	.10	.27	2370	162	72	289	586	271	122	63	1.8	.06
14	.09	.27	1000	147	71	267	503	217	123	59	1.6	.05
15	.09	.29	593	134	70	248	446	176	2020	53	1.2	.04
16	.08	.32	394	124	68	236	393	154	994	46	.97	.03
17	.09	.34	300	120	69	222	346	139	21000	38	.83	.03
18	.09	.35	246	117	71	217	304	127	6870	33	.76	.02
19	.10	.36	208	113	149	243	277	161	3110	28	.69	.01
20	.10	.42	181	110	169	293	259	189	1890	26	.60	.00
21	.09	.62	159	105	157	275	244	149	5100	26	.51	.00
22	.08	.72	142	100	150	257	217	126	4090	25	.45	.00
23	.07	1.6	129	97	144	249	208	110	2130	26	.39	.02
24	.08	1.6	118	94	141	243	372	93	1450	27	.34	.14
25	.08	2.7	109	90	149	245	421	84	1060	23	.31	.12
26	.08	4.5	101	87	911	275	349	78	753	22	.25	.09
27	.07	6.8	94	85	1420	465	307	3850	547	19	.21	.07
28	.07	8.2	89	86	944	511	274	3800	452	16	.17	.06
29	.07	7.4	85	83	723	436	247	1660	638	16	.16	.05
30	.08	6.6	81	80	---	392	220	985	440	14	.14	.06
31	.64	---	77	77	---	342	---	631	---	12	.13	---
TOTAL	3.44	48.07	12090.5	5011	6367	11913	9236	19797	55094	2629	75.31	2.01
MEAN	.11	1.60	390	162	220	384	308	639	1836	84.8	2.43	.067
MAX	.64	8.2	4270	622	1420	826	717	3850	21000	331	11	.15
MIN	.04	.27	5.5	74	68	217	162	78	87	12	.13	.00
AC-FT	6.8	95	23980	9940	12630	23630	18320	39270	109300	5210	149	4.0

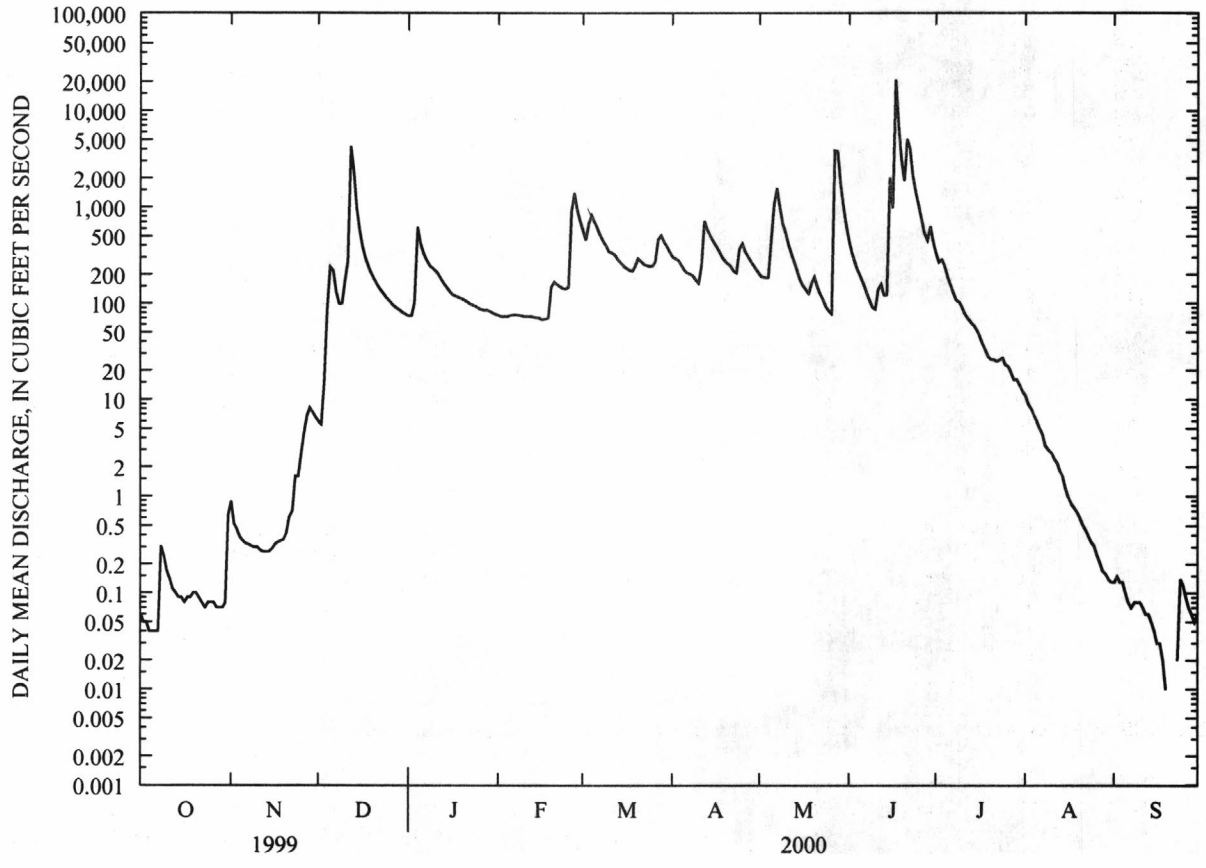
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-95, 1999-00, BY WATER YEAR (WY)

MEAN	129	425	548	449	612	829	859	695	286	71.7	37.6	47.1
MAX	1467	2419	3325	1663	1840	2158	2937	2528	1836	342	413	499
(WY)	1985	1995	1983	1993	1989	1973	1957	1990	2000	1961	1958	1970
MIN	.000	.000	5.86	7.03	47.9	125	120	67.1	14.0	.76	.000	.000
(WY)	1954	1954	1990	1964	1963	1967	1963	1988	1977	1985	1980	1954

07257006 BIG PINEY CREEK AT HWY 164 NEAR DOVER--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951-95, 1999-00	
ANNUAL TOTAL	140408.59		122266.33			
ANNUAL MEAN	385		334		417	
HIGHEST ANNUAL MEAN					823	1973
LOWEST ANNUAL MEAN					141	1963
HIGHEST DAILY MEAN	4790	Jan 2	21000	Jun 17	43500	Dec 3 1982
LOWEST DAILY MEAN	.00	Sep 25	.00	Sep 20	.00	Oct 2 1952
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 24	.01	Sep 17	.00	Sep 12 1953
INSTANTANEOUS PEAK FLOW			[a]80300	Jun 17	[a]111000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			22.43	Jun 17	[b]33.87	Dec 3 1982
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	278500		242500		302400	
10 PERCENT EXCEEDS	986		588		987	
50 PERCENT EXCEEDS	137		92		128	
90 PERCENT EXCEEDS	.14		.08		2.8	

[a]From rating extended above 45,000 ft^3/s on basis of contracted-opening measurement of peak flow
[b]At site and datum then in use



07257500 ILLINOIS BAYOU NEAR SCOTTSVILLE

LOCATION.--Lat 35°27'58", long 93°02'28", in SE1/4SW1/4 sec.31, T.10 N., R.19 W., Pope County, Hydrologic Unit 11110202, on downstream side of bridge on State Highway 164, 1.3 mi north of Scottsville, and 3.1 mi downstream from North Fork Illinois Bayou.

DRAINAGE AREA.--242 mi^2.

PERIOD OF RECORD.--October 1947 to September 1970, October 1999 to current year. Annual maximum water years 1971-99.

GAGE.--Water-stage recorder. Datum of gage is 447.54 ft above sea level. Prior to Mar. 25, 1948, non-recording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 10, 1943, reached a stage of 24.6 ft, from floodmark set by local residents (discharge, 77,000 ft^3/s).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.21	.46	58	33	620	231	228	398	201	7.3	.00
2	.00	.74	.35	58	31	482	228	202	302	161	6.7	.00
3	.00	.80	13	101	31	686	230	191	239	198	6.1	.00
4	.00	.61	30	437	31	674	204	554	201	225	5.8	.00
5	.00	.55	81	323	30	565	180	1920	166	174	5.5	.00
6	.00	.64	188	264	31	485	167	3150	132	127	5.2	.00
7	.00	.72	132	222	32	416	157	2500	104	97	4.9	.00
8	.00	.70	103	196	32	363	150	1390	82	119	4.8	.00
9	.00	.59	202	177	32	316	139	901	67	98	4.5	.00
10	.00	.42	626	162	32	279	125	690	68	69	4.4	.00
11	.00	.21	370	142	31	264	339	510	100	51	4.2	.00
12	.00	.03	3540	127	30	230	818	406	106	40	3.8	.00
13	.00	.00	1940	113	30	202	600	323	76	32	3.5	.00
14	.00	.00	873	99	30	182	497	246	78	26	3.5	.00
15	.00	.00	555	89	29	165	427	193	523	21	3.3	.00
16	.00	.00	392	82	28	161	367	161	341	19	3.3	.00
17	.00	.00	308	77	29	148	314	137	840	17	3.1	.00
18	.00	.00	250	72	33	150	270	116	1170	15	2.8	.00
19	.00	.00	210	68	31	175	240	458	739	14	2.6	.00
20	.00	.00	178	63	32	186	220	362	535	13	2.2	.00
21	.00	.00	154	59	34	171	190	268	2900	13	1.8	.00
22	.00	.00	135	56	35	159	164	214	2500	12	1.4	.00
23	.00	.19	120	53	34	150	161	175	1300	12	1.0	.00
24	.00	.77	108	49	34	146	1180	140	870	11	.54	.00
25	.00	1.0	98	46	56	152	787	119	621	10	.11	.00
26	.00	1.0	90	42	3380	170	585	113	448	9.5	.00	.00
27	.00	.91	82	41	2330	336	468	2560	341	8.9	.00	.00
28	.00	.79	77	42	1190	369	387	2570	309	8.5	.00	.00
29	.00	.70	70	38	821	323	320	1220	383	8.5	.00	.00
30	.00	.59	66	35	---	294	267	765	267	8.6	.00	.00
31	.00	---	61	33	---	258	---	540	---	7.9	.00	---
TOTAL	0.06	12.17	11052.81	3424	8532	9277	10412	23322	16206	1826.9	92.35	0.00
MEAN	.002	.41	357	110	294	299	347	752	540	58.9	2.98	.000
MAX	.06	1.0	3540	437	3380	686	1180	3150	2900	225	7.3	.00
MIN	.00	.00	.35	33	28	146	125	113	67	7.9	.00	.00
AC-FT	.1	24	21920	6790	16920	18400	20650	46260	32140	3620	183	.00
CFSM	.00	.00	1.48	.46	1.22	1.24	1.44	3.12	2.24	.24	.01	.00
IN.	.00	.00	1.71	.53	1.32	1.43	1.61	3.60	2.50	.28	.01	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948-70, 2000, BY WATER YEAR (WY)

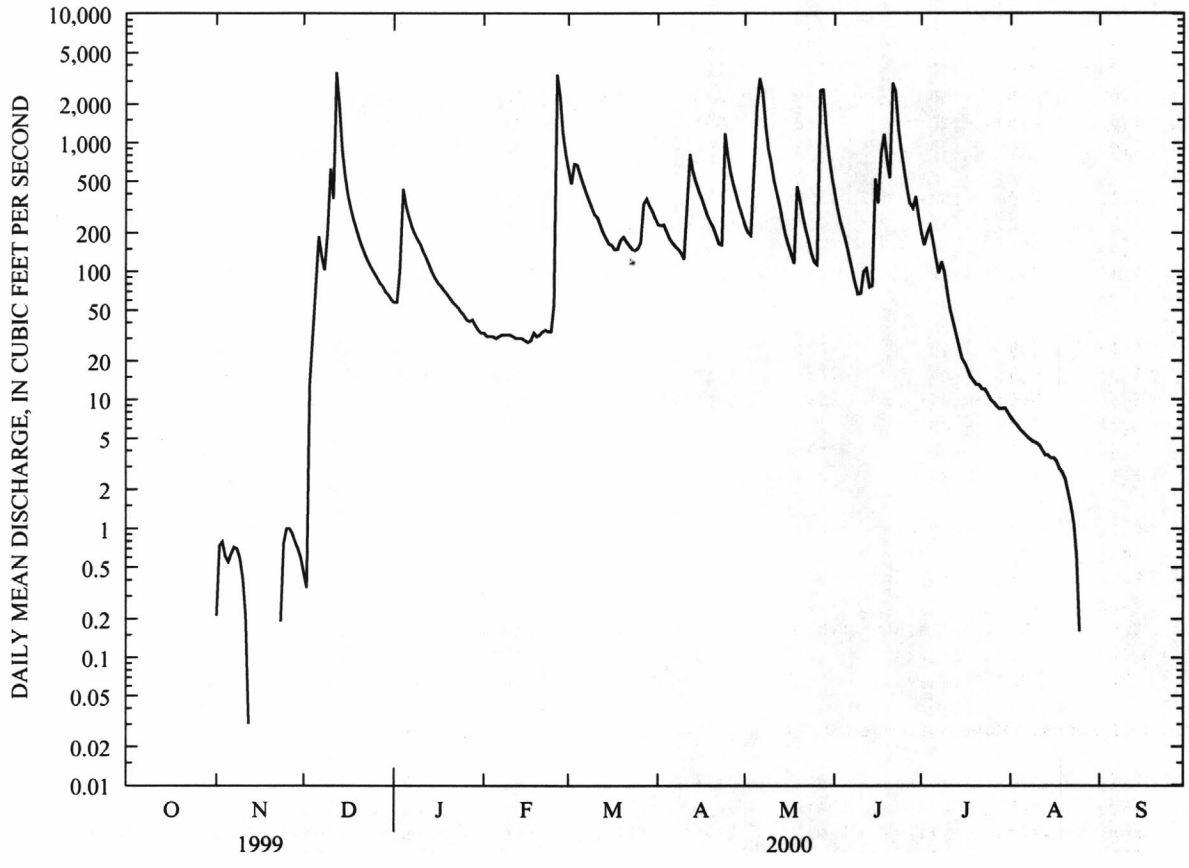
MEAN	86.4	226	380	533	626	716	720	627	190	91.3	69.1	62.7
MAX	627	1252	1513	2918	1498	1499	2116	1828	929	499	576	634
(WY)	1950	1952	1969	1949	1951	1953	1957	1961	1957	1950	1950	1970
MIN	.002	.043	.68	16.3	51.9	147	105	100	15.8	1.21	.56	.000
(WY)	2000	1954	1954	1964	1963	1956	1963	1963	1966	1953	1952	2000

07257500 ILLINOIS BAYOU NEAR SCOTTSVILLE--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1948-70, 2000	
ANNUAL TOTAL	84161.21			
ANNUAL MEAN	230		359	
HIGHEST ANNUAL MEAN			693	1950
LOWEST ANNUAL MEAN			142	1954
HIGHEST DAILY MEAN	3540	Dec 12	38500	Jan 24 1949
LOWEST DAILY MEAN	.00	Oct 2	.00	Sep 17 1953
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 2	.00	Sep 17 1953
INSTANTANEOUS PEAK FLOW	6830	Feb 26	[ab]130000	Dec 3 1982
INSTANTANEOUS PEAK STAGE	11.65	Feb 26	[b]27.49	Dec 3 1982
INSTANTANEOUS LOW FLOW	.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	166900		260300	
ANNUAL RUNOFF (CFSM)	.95		1.49	
ANNUAL RUNOFF (INCHES)	12.99		20.26	
10 PERCENT EXCEEDS	554		828	
50 PERCENT EXCEEDS	58		99	
90 PERCENT EXCEEDS	.00		1.4	

[a]From rating curve extended above 56,100 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow

[b]Occurred during period of computation of annual maximum only, water years 1971-99



07258500 PETIT JEAN RIVER NEAR BOONEVILLE

LOCATION.--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.--241 mi².

PERIOD OF RECORD.--November 1938 to September 1984, October 1999 to current year. Annual maximum water years 1985-99. Prior to October 1965, published as "Petit Jean Creek near Booneville".

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

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft above sea level.

REMARKS.--Records good except estimated daily discharges which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	18	2.4	20	28	115	79	31	2.9	229	1.4	e.06
2	1.5	3.6	2.2	20	39	90	85	70	2.3	177	1.4	.00
3	1.4	3.2	4.0	442	43	173	103	227	1.9	137	1.6	.00
4	1.5	3.8	49	393	41	210	84	929	36	107	1.8	.00
5	1.5	3.7	145	225	35	153	60	422	328	84	1.9	.00
6	1.5	3.6	100	168	29	122	47	270	193	60	1.8	.00
7	1.5	3.5	38	133	28	99	36	245	95	41	1.8	.00
8	2.2	3.2	16	128	26	82	29	147	39	30	1.9	.00
9	2.3	3.1	28	149	23	68	21	94	19	22	1.9	.00
10	2.2	3.1	188	124	22	74	17	69	13	15	1.9	.00
11	2.1	3.1	153	100	21	251	264	47	14	11	1.9	.00
12	2.0	3.0	3960	82	18	202	966	31	20	8.7	1.8	.00
13	1.9	3.0	1800	70	17	152	426	24	19	7.0	1.7	.00
14	1.9	3.0	727	52	14	124	285	24	104	5.7	1.6	.00
15	1.9	3.0	433	41	13	104	215	12	373	4.7	1.4	.00
16	1.8	3.1	283	37	11	91	170	8.0	275	4.0	1.4	.00
17	1.7	2.9	214	33	12	77	137	6.9	519	3.4	1.3	.00
18	1.6	2.6	175	31	31	76	112	6.8	709	3.0	1.2	.00
19	1.6	2.5	145	28	44	84	92	5.9	371	2.5	.99	.00
20	1.6	2.4	123	24	30	71	76	5.0	318	2.2	e.78	.00
21	1.6	2.4	101	19	27	55	59	4.6	1540	1.9	e.56	.00
22	1.5	2.5	84	16	25	48	42	4.0	1820	1.9	e.52	.00
23	1.4	7.4	71	15	24	42	43	3.5	804	1.9	e.44	.00
24	1.4	4.6	60	14	26	38	169	3.0	459	1.8	e.38	.37
25	1.3	7.3	51	12	26	34	140	3.1	328	1.8	e.35	1.2
26	1.3	5.9	43	11	237	62	86	3.2	260	1.8	e.30	.95
27	1.3	4.3	38	10	395	281	58	3.4	212	1.7	e.24	.72
28	1.3	3.2	34	14	207	202	40	3.4	195	1.6	e.21	.60
29	1.3	2.7	29	18	146	144	28	2.9	418	1.5	e.18	.49
30	1.4	2.5	26	19	---	121	22	3.6	320	1.5	e.12	.38
31	9.1	---	23	20	---	96	---	3.7	---	1.4	e.09	---
TOTAL	58.1	120.2	9145.6	2468	1638	3541	3991	2713.0	9808.1	973.0	34.86	4.77
MEAN	1.87	4.01	295	79.6	56.5	114	133	87.5	327	31.4	1.12	.16
MAX	9.1	18	3960	442	395	281	966	929	1820	229	1.9	1.2
MIN	1.3	2.4	2.2	10	11	34	17	2.9	1.9	1.4	.09	.00
AC-FT	115	238	18140	4900	3250	7020	7920	5380	19450	1930	69	9.5
CFSM	.01	.02	1.22	.33	.23	.47	.55	.36	1.36	.13	.00	.00
IN.	.01	.02	1.41	.38	.25	.55	.62	.42	1.51	.15	.01	.00

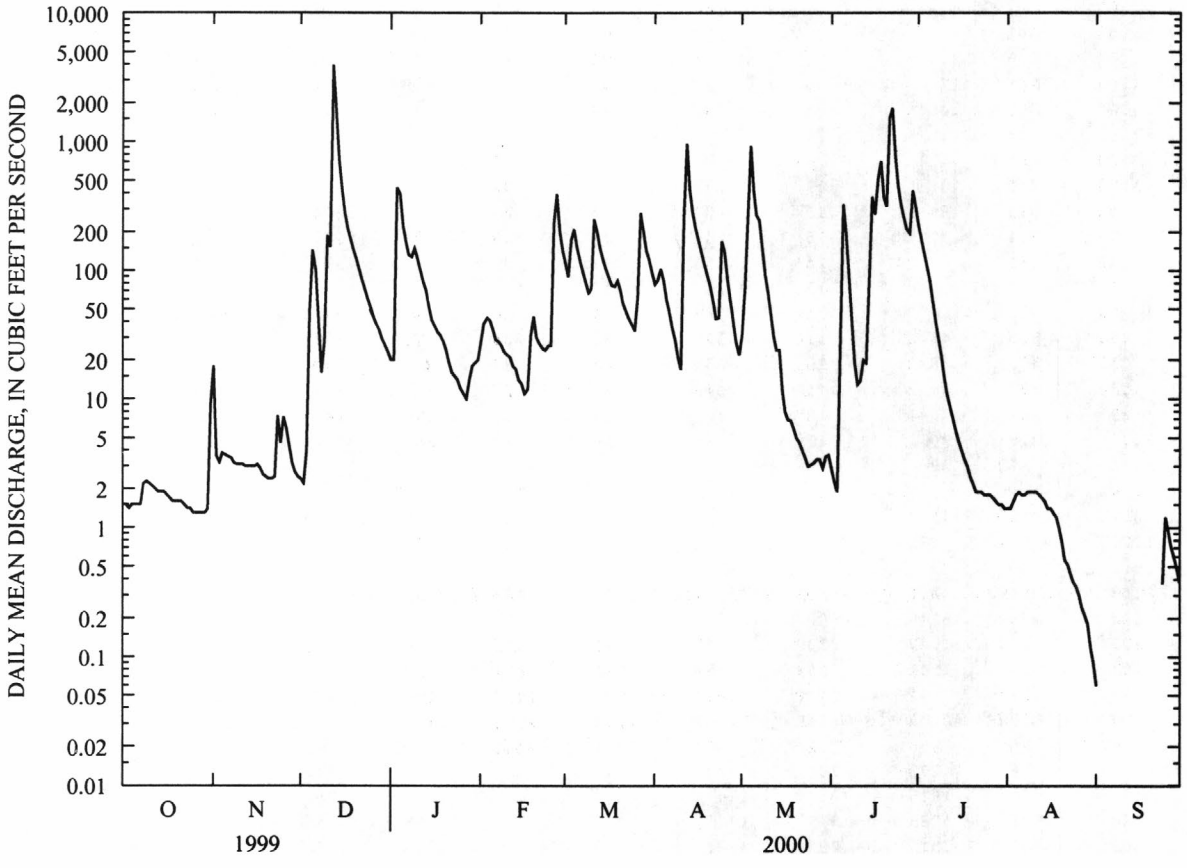
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-84, 2000, BY WATER YEAR (WY)

MEAN	61.4	176	273	286	402	504	468	474	146	65.1	32.7	44.8
MAX	465	1576	1615	1854	1587	2610	1913	1779	1053	730	567	401
(WY)	1968	1973	1983	1949	1945	1945	1957	1968	1945	1961	1957	1945
MIN	.000	.000	.013	.000	8.81	21.1	43.3	15.6	1.76	.13	.000	.000
(WY)	1947	1964	1964	1956	1967	1940	1982	1977	1972	1954	1980	1939

07258500 PETIT JEAN RIVER NEAR BOONEVILLE--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1939-84, 2000	
ANNUAL TOTAL	34495.63			
ANNUAL MEAN	94.3		243	
HIGHEST ANNUAL MEAN			657	1945
LOWEST ANNUAL MEAN			46.2	1956
HIGHEST DAILY MEAN	3960	Dec 12	28600	Apr 16 1939
LOWEST DAILY MEAN	.00	Sep 2	.00	Aug 19 1939
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 2	.00	Aug 31 1939
INSTANTANEOUS PEAK FLOW	5560	Dec 12	43200	Apr 16 1939
INSTANTANEOUS PEAK STAGE	15.83	Dec 12	23.42	Apr 16 1939
INSTANTANEOUS LOW FLOW	.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	68420		176200	
ANNUAL RUNOFF (CFSM)	.39		1.01	
ANNUAL RUNOFF (INCHES)	5.32		13.71	
10 PERCENT EXCEEDS	226		468	
50 PERCENT EXCEEDS	18		33	
90 PERCENT EXCEEDS	.55		.20	

[e]Estimated



07260000 DUTCH CREEK AT WALTREAK

LOCATION.--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 and 21.0 mi upstream from mouth.

PERIOD OF RECORD.--October 1945 to September 1975, October 1999 to current year. Annual maximum 1976-99. Monthly discharge only for some periods published in WSP-1311.

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

GAGE.--Water-stage recorder. Datum of gage is 371.48 ft above sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1927 reached a stage of 19.5 ft, discharge about 14,600 ft^3/st, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

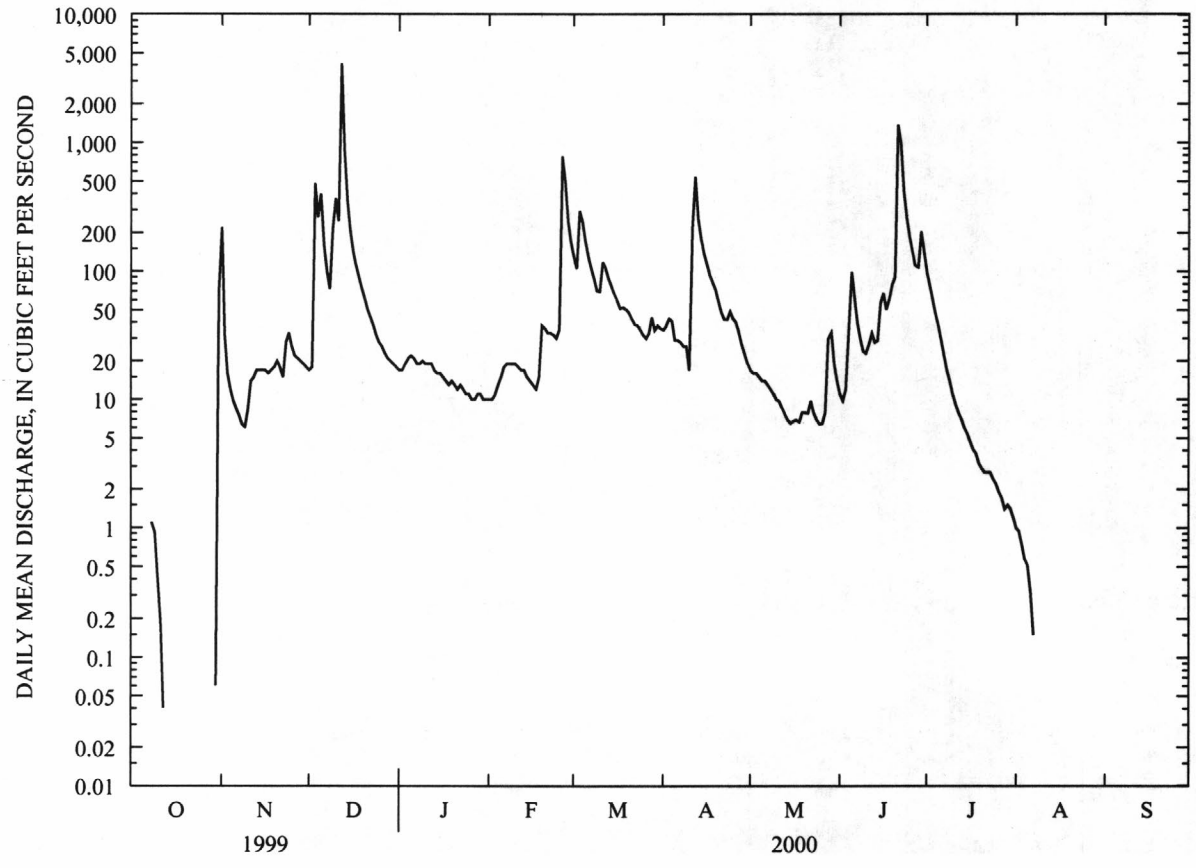
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	219	17	17	10	130	35	17	11	99	1.0	.00
2	.00	32	18	17	10	105	38	16	9.8	77	.94	.00
3	.00	16	485	19	11	295	43	16	12	61	.74	.00
4	.00	12	265	21	13	244	41	15	32	47	.57	.00
5	.00	9.8	400	22	15	172	29	14	99	38	.51	.00
6	.00	8.5	158	21	18	131	29	14	64	29	.32	.00
7	.00	7.5	100	19	19	106	28	13	40	22	.15	.00
8	1.1	6.4	73	19	19	88	26	12	30	17	.00	.00
9	.93	6.1	218	20	19	71	26	11	24	14	.00	.00
10	.41	8.3	368	19	19	70	17	10	23	11	.00	.00
11	.19	14	247	19	18	118	219	9.7	27	9.2	.00	.00
12	.04	15	4130	19	17	105	544	8.6	33	7.8	.00	.00
13	.00	17	876	17	17	88	257	7.7	28	7.0	.00	.00
14	.00	17	359	16	15	77	181	6.9	29	6.0	.00	.00
15	.00	17	208	16	14	67	138	6.5	57	5.4	.00	.00
16	.00	17	144	15	13	60	112	6.8	68	4.7	.00	.00
17	.00	16	111	14	12	52	92	6.9	51	4.1	.00	.00
18	.00	17	90	13	15	53	81	6.7	61	3.8	.00	.00
19	.00	18	74	14	38	51	71	7.9	79	3.2	.00	.00
20	.00	20	62	13	36	48	58	7.9	91	2.9	.00	.00
21	.00	18	51	12	33	43	48	7.8	1380	2.7	.00	.00
22	.00	15	44	13	33	39	42	9.8	982	2.7	.00	.00
23	.00	28	38	12	32	38	42	7.9	424	2.7	.00	.00
24	.00	33	32	11	30	35	49	7.0	262	2.4	.00	.00
25	.00	26	28	11	35	32	43	6.4	188	2.2	.00	.00
26	.00	22	26	10	787	30	40	6.5	144	1.9	.00	.00
27	.00	21	23	10	499	33	34	7.9	112	1.7	.00	.00
28	.00	20	21	11	244	44	27	30	108	1.4	.00	.00
29	.00	19	20	11	169	35	23	34	204	1.5	.00	.00
30	.06	18	19	10	---	38	19	19	140	1.4	.00	.00
31	73	---	18	10	---	36	---	14	---	1.2	.00	---
MEAN	2.44	23.8	281	15.2	76.2	81.7	81.1	11.7	160	15.8	.14	.000
MAX	73	219	4130	22	787	295	544	34	1380	99	1.0	.00
MIN	.00	6.1	17	10	10	30	17	6.4	9.8	1.2	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946-75, 2000, BY WATER YEAR (WY)

MEAN	22.4	67.3	121	130	149	191	183	163	46.3	32.1	11.0	10.2
MAX	178	366	480	643	494	598	839	587	283	378	126	99.8
(WY)	1974	1973	1972	1949	1950	1973	1957	1968	1974	1969	1957	1950
MIN	.000	.000	.000	.000	4.69	11.3	20.4	11.7	2.04	.026	.000	.000
(WY)	1947	1954	1954	1964	1967	1972	1963	2000	1964	1954	1954	1946

07260000 DUTCH CREEK AT WALTREAK--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1946-75, 2000	
ANNUAL MEAN	62.1		93.7	
HIGHEST ANNUAL MEAN			225	1973
LOWEST ANNUAL MEAN			27.2	1963
HIGHEST DAILY MEAN	4130	Dec 12	9540	Jul 26 1969
LOWEST DAILY MEAN	.00	Oct 1	.00	Aug 24 1946
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1	.00	Aug 24 1946
INSTANTANEOUS PEAK FLOW	6050	Dec 12	24500	Jul 26 1969
INSTANTANEOUS PEAK STAGE	14.07	Dec 12	22.38	Jul 26 1969
INSTANTANEOUS LOW FLOW	.00	at times	.00	at times
10 PERCENT EXCEEDS	114		173	
50 PERCENT EXCEEDS	16		17	
90 PERCENT EXCEEDS	.00		.00	



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 old 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 except estimated daily discharges, which are poor. 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 three 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	653	41	118	103	e1690	406	126	53	1890	92	2.7
2	1.4	246	39	117	108	879	401	127	46	1780	90	1.9
3	.83	450	1080	146	158	984	401	132	46	1560	88	1.1
4	.29	481	1300	201	183	941	394	159	64	534	63	.84
5	.16	149	1390	650	183	659	366	148	138	347	32	6.7
6	.30	54	692	721	189	508	259	500	156	173	30	16
7	.72	44	855	694	194	419	236	575	129	126	26	17
8	4.4	39	853	422	194	364	194	570	198	118	25	19
9	7.4	38	543	393	192	320	174	559	220	112	23	15
10	5.3	41	1250	386	193	299	169	558	155	103	16	19
11	3.0	42	867	370	192	375	182	552	131	76	13	26
12	2.2	48	5170	255	169	351	863	526	125	42	6.8	36
13	1.6	47	10900	230	149	287	691	328	175	47	6.5	49
14	4.1	45	5340	222	146	250	1020	291	216	15	6.7	26
15	5.6	50	2000	175	142	225	1010	282	302	10	6.6	15
16	2.9	51	2560	157	140	210	978	138	297	9.6	4.7	12
17	1.7	48	2730	154	152	197	955	93	554	8.4	3.6	6.9
18	1.0	44	2970	154	376	198	905	89	586	7.5	2.5	5.5
19	.78	45	3060	149	425	208	530	89	636	6.7	1.5	4.5
20	.67	51	2980	117	306	193	448	87	1030	6.3	20	5.9
21	.57	55	2850	89	256	379	403	85	1570	7.0	45	15
22	.45	50	2710	96	235	408	230	82	2970	8.3	83	29
23	.24	69	2560	89	220	388	192	85	1880	8.2	33	36
24	.04	96	1660	83	208	308	340	81	1210	8.1	57	62
25	.00	75	1110	119	268	293	307	71	1100	19	57	62
26	.00	59	1080	146	e1880	290	342	65	1060	75	60	49
27	.00	50	1030	149	e3200	328	336	63	1240	74	48	81
28	.00	47	452	125	e2010	344	310	75	1880	69	45	76
29	.00	47	334	105	e1840	768	171	70	1820	84	37	73
30	.00	43	189	102	---	781	127	88	1890	92	6.4	74
31	5.4	---	137	100	---	506	---	66	---	93	2.3	---
TOTAL	52.95	3257	60732	7034	14011	14350	13340	6760	21877	7509.1	1030.6	843.04
MEAN	1.71	109	1959	227	483	463	445	218	729	242	33.2	28.1
MAX	7.4	653	10900	721	3200	1690	1020	575	2970	1890	92	81
MIN	.00	38	39	83	103	193	127	63	46	6.3	1.5	.84
AC-FT	105	6460	120500	13950	27790	28460	26460	13410	43390	14890	2040	1670

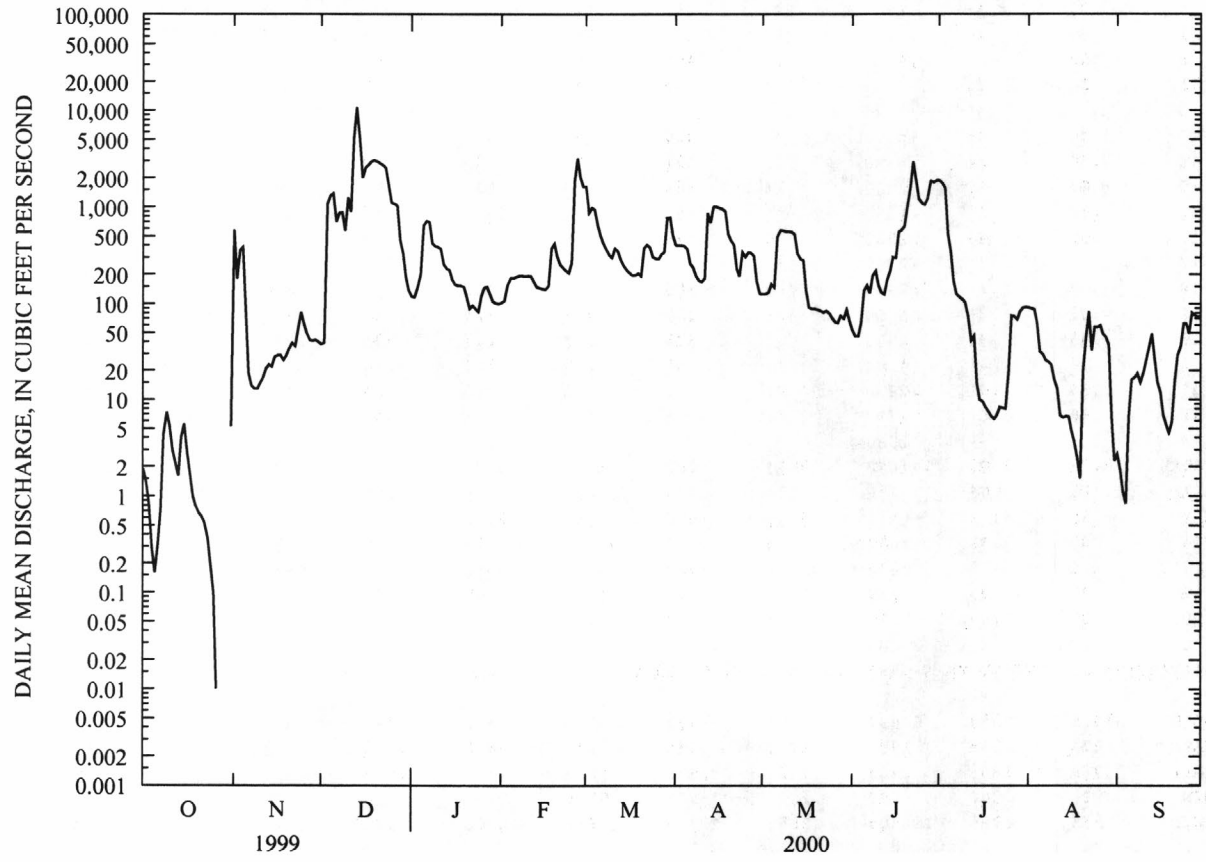
07260500 PETIT JEAN RIVER AT DANVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)

MEAN	190	588	1201	1155	1293	1474	1352	1420	749	326	176	107
MAX	3261	3296	4004	3920	4941	3233	3821	6142	2801	2268	2101	1108
(WY)	1985	1973	1983	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1947 - 2000	
ANNUAL TOTAL	289846.31		150796.69			
ANNUAL MEAN	794		412		[a]834	
HIGHEST ANNUAL MEAN					1920	1973
LOWEST ANNUAL MEAN					187	1976
HIGHEST DAILY MEAN	10900	Dec 13	10900	Dec 13	26400	Dec 3 1982
LOWEST DAILY MEAN	.00	Oct 25	.00	Oct 25	.00	Aug 11 1956
ANNUAL SEVEN-DAY MINIMUM	.01	Oct 24	.01	Oct 24	.01	Oct 24 1999
INSTANTANEOUS PEAK FLOW			12500	Dec 13	[b]47500	Dec 3 1982
INSTANTANEOUS PEAK STAGE			24.46	Dec 13	[c]29.36	Dec 3 1982
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	574900		299100		604100	
10 PERCENT EXCEEDS	2220		1070		2530	
50 PERCENT EXCEEDS	273		132		184	
90 PERCENT EXCEEDS	4.9		4.6		10	

[a]Prior to regulation, water years 1917-46, 845 ft^3/s
[b]Maximum discharge for period of record, 70,800 ft^3/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 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

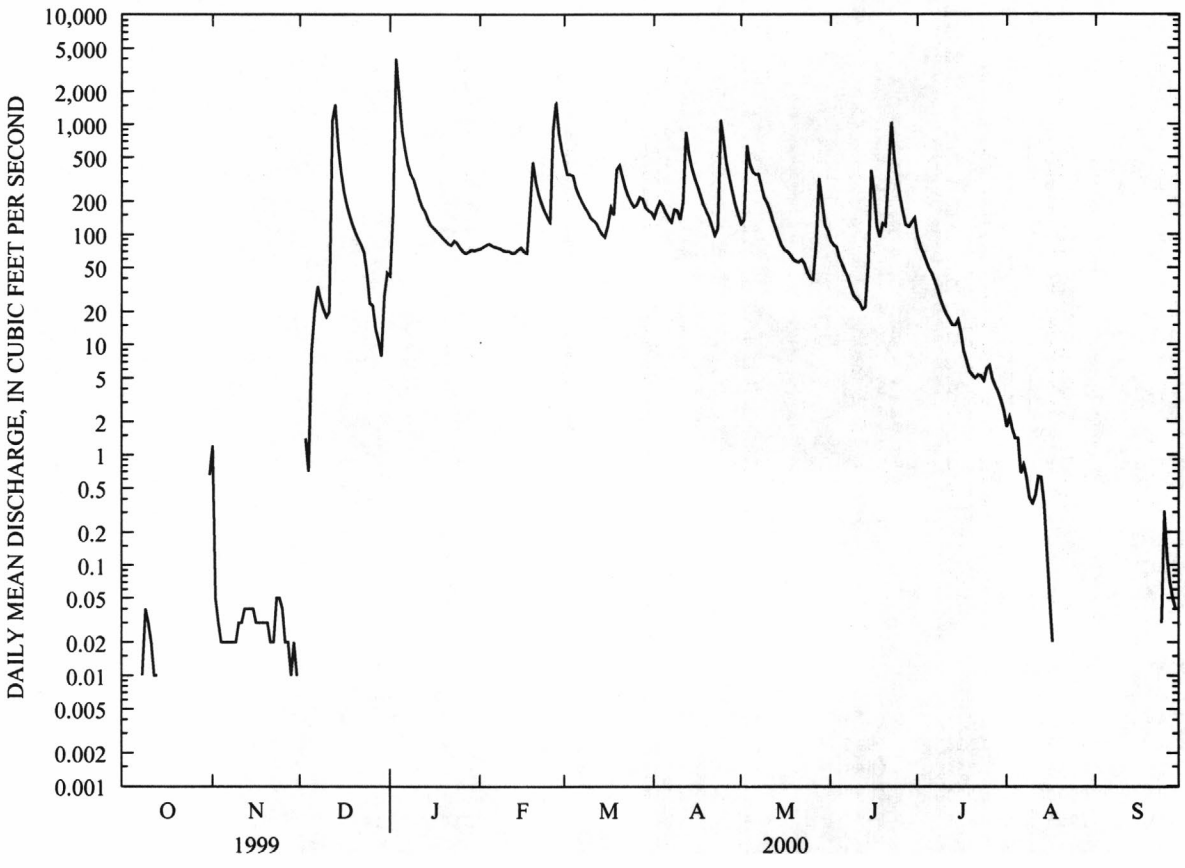
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.2	.00	42	74	455	142	125	87	96	1.8	.00
2	.00	.05	.00	162	77	348	172	136	80	78	2.2	.00
3	.00	.03	1.4	4030	80	348	198	641	77	67	1.7	.00
4	.00	.02	.71	1830	82	339	180	436	61	57	1.4	.00
5	.00	.02	8.4	869	79	262	156	371	53	49	1.4	.00
6	.00	.02	21	587	77	226	141	347	46	44	.68	.00
7	.00	.02	34	427	75	198	129	352	40	38	.81	.00
8	.01	.02	26	346	74	177	169	274	33	32	.62	.00
9	.04	.02	21	310	71	161	164	213	28	26	.41	.00
10	.03	.03	18	258	70	142	136	191	26	22	.36	.00
11	.02	.03	20	208	70	134	196	164	24	19	.43	.00
12	.01	.04	1080	176	67	127	851	133	21	17	.63	.00
13	.01	.04	1530	160	68	112	544	113	22	15	.62	.00
14	.00	.04	637	136	72	101	404	94	52	15	.37	.00
15	.00	.04	370	121	76	95	324	80	380	17	.12	.00
16	.00	.03	244	114	70	119	267	72	239	13	.05	.00
17	.00	.03	185	107	67	175	221	70	120	8.7	.02	.00
18	.00	.03	148	100	182	151	183	65	95	7.1	.00	.00
19	.00	.03	122	93	451	388	160	60	125	5.7	.00	.00
20	.00	.03	104	88	300	426	140	57	119	5.3	.00	.00
21	.00	.02	90	82	230	330	117	56	309	5.0	.00	.00
22	.00	.02	80	80	191	263	98	59	1050	5.3	.00	.00
23	.00	.05	68	87	163	222	113	54	493	5.2	.00	.00
24	.00	.05	44	84	143	195	1110	45	310	4.7	.00	.03
25	.00	.04	24	76	129	177	713	40	219	6.1	.00	.31
26	.00	.02	23	70	886	186	441	39	160	6.5	.00	.12
27	.00	.02	14	67	1620	217	324	82	122	4.9	.00	.07
28	.00	.01	11	69	833	209	245	321	117	4.2	.00	.05
29	.00	.02	7.9	72	585	175	188	194	130	3.7	.00	.04
30	.00	.01	28	71	---	164	150	121	142	3.1	.00	.04
31	.66	---	45	72	---	158	---	107	---	2.5	.00	---
TOTAL	0.78	2.03	5005.41	10994	6962	6780	8376	5112	4780	683.0	13.62	0.66
MEAN	.025	.068	161	355	240	219	279	165	159	22.0	.44	.022
MAX	.66	1.2	1530	4030	1620	455	1110	641	1050	96	2.2	.31
MIN	.00	.01	.00	42	67	95	98	39	21	2.5	.00	.00
AC-FT	1.5	4.0	9930	21810	13810	13450	16610	10140	9480	1350	27	1.3
CFSM	.00	.00	.96	2.10	1.42	1.29	1.65	.98	.94	.13	.00	.00
IN.	.00	.00	1.10	2.42	1.53	1.49	1.84	1.13	1.05	.15	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	74.5	278	414	392	466	553	474	370	142	38.9	42.1	54.4
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	.78	.031	.000
(WY)	1955	1955	1955	1955	1963	1972	1960	1988	1988	1998	1999	1999

07261000 CADRON CREEK NEAR GUY--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	50561.63		48709.50			
ANNUAL MEAN	139		133		274	
HIGHEST ANNUAL MEAN					566	1973
LOWEST ANNUAL MEAN					120	1996
HIGHEST DAILY MEAN	2170	Jan 2	4030	Jan 3	14800	Dec 4 1982
LOWEST DAILY MEAN	.00	Aug 11	.00	Oct 1	.00	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 11	.00	Oct 1	.00	Oct 1 1954
INSTANTANEOUS PEAK FLOW			5710	Jan 3	24200	Dec 4 1982
INSTANTANEOUS PEAK STAGE			12.60	Jan 3	29.29	Dec 4 1982
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	100300		96620		198300	
ANNUAL RUNOFF (CFSM)	.82		.79		1.62	
ANNUAL RUNOFF (INCHES)	11.13		10.72		22.00	
10 PERCENT EXCEEDS	371		326		647	
50 PERCENT EXCEEDS	26		55		90	
90 PERCENT EXCEEDS	.00		.00		1.1	



07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY

LOCATION.--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 from Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7.

DRAINAGE AREA.--410 mi².

PERIOD OF RECORD.--February 1939 to September 1994, October 1999 to current year. Annual maximum water years 1995-99.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft above sea level. Prior to May 11, 1939, nonrecording gage at present site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	98	49	89	77	621	236	180	399	288	15	.02
2	.00	25	49	89	84	483	248	239	303	228	12	.03
3	.00	11	530	100	97	752	294	271	259	187	11	.00
4	.00	6.2	466	104	133	999	308	659	288	157	9.0	.00
5	.00	3.9	880	115	201	730	282	565	1570	136	7.3	.00
6	.00	2.6	366	115	229	575	259	388	1030	118	6.7	.00
7	.00	2.0	221	113	213	468	237	355	585	101	6.9	.00
8	.69	3.7	155	119	192	397	212	287	399	88	7.0	.00
9	1.6	7.2	322	134	175	341	192	229	305	78	6.6	.00
10	1.0	11	848	157	164	323	177	189	261	69	6.8	.00
11	.87	14	729	161	155	553	345	165	271	61	7.1	.00
12	.72	16	15300	149	144	680	3150	147	268	55	5.7	.00
13	.53	18	6880	139	135	545	1610	135	260	50	5.1	.00
14	.46	20	1970	127	127	455	1030	119	252	45	3.5	.00
15	.41	22	1080	118	119	392	755	106	227	40	2.4	.00
16	.34	23	695	113	112	347	582	97	300	36	1.9	.00
17	.28	23	501	108	108	309	456	93	281	32	1.4	.00
18	.23	24	385	104	111	293	366	120	600	29	1.1	.00
19	.26	25	313	100	117	288	307	2910	853	27	.91	.00
20	.23	26	264	95	120	273	262	1510	670	24	.85	.00
21	.21	27	224	90	121	249	223	784	5750	25	.63	.00
22	.19	29	192	87	115	228	194	509	15600	27	.48	.00
23	.16	40	170	83	112	212	180	365	2470	25	.35	.00
24	.13	51	154	80	110	201	417	275	1310	20	.30	.09
25	.12	51	140	76	119	190	627	219	827	18	.27	.48
26	.12	49	129	73	1140	184	392	186	570	17	.23	.67
27	.12	48	119	76	2390	217	299	181	420	16	.20	.70
28	.12	49	111	83	1220	243	247	6010	353	14	.15	.63
29	.11	50	105	81	820	264	211	1970	409	15	.08	.59
30	.63	50	100	78	---	262	185	957	410	16	.06	.53
31	60	---	94	77	---	253	---	583	---	15	.02	---
TOTAL	69.53	825.6	33541	3233	8960	12327	14283	20803	37500	2057	121.03	3.74
MEAN	2.24	27.5	1082	104	309	398	476	671	1250	66.4	3.90	.12
MAX	60	98	15300	161	2390	999	3150	6010	15600	288	15	.70
MIN	.00	2.0	49	73	77	184	177	93	227	14	.02	.00
AC-FT	138	1640	66530	6410	17770	24450	28330	41260	74380	4080	240	7.4
CFSM	.01	.07	2.64	.25	.75	.97	1.16	1.64	3.05	.16	.01	.00
IN.	.01	.07	3.04	.29	.81	1.12	1.30	1.89	3.40	.19	.01	.00

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY--CONTINUED

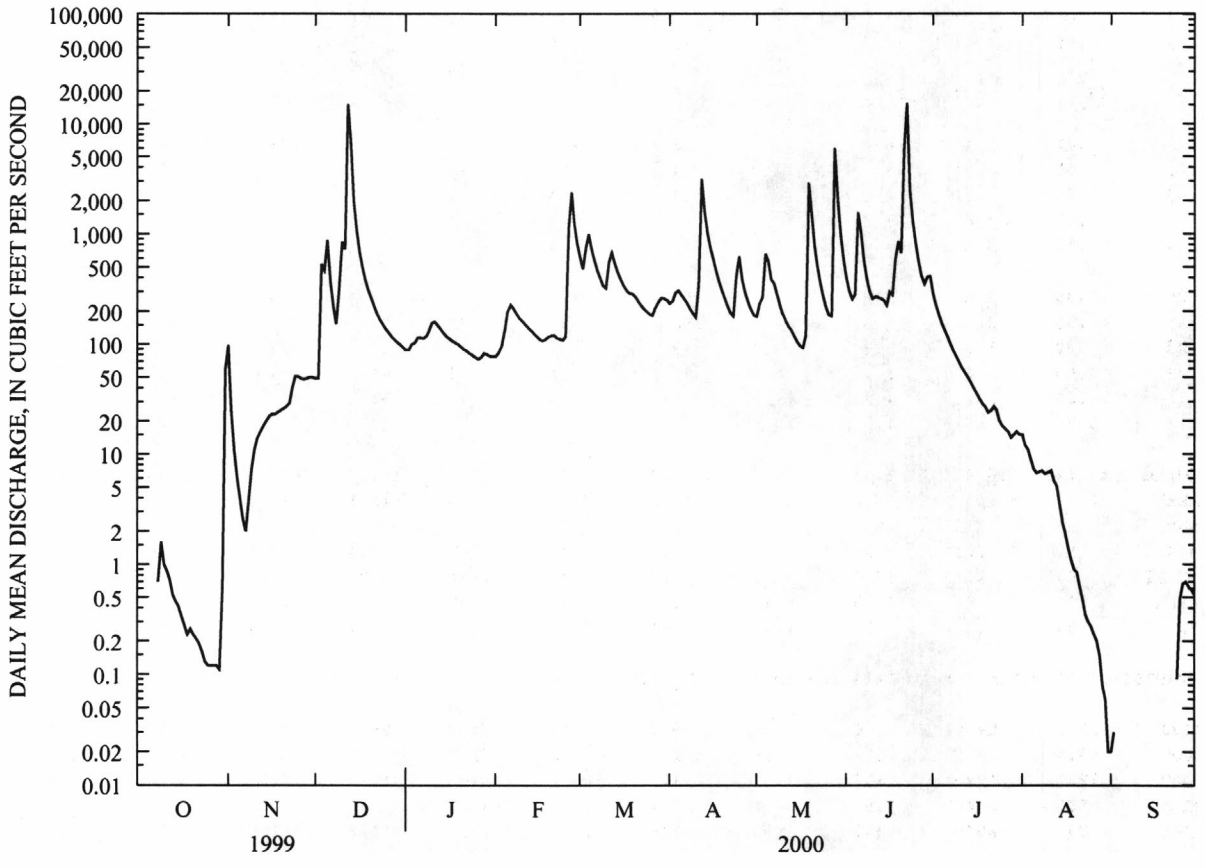
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-94, 2000, BY WATER YEAR (WY)

MEAN	200	443	738	674	865	1046	995	977	400	123	39.0	80.7
MAX	3507	2441	3611	3272	2989	5736	4080	4932	2416	1956	439	812
(WY)	1985	1973	1983	1949	1945	1945	1957	1990	1974	1969	1950	1950
MIN	.000	.000	.000	.019	27.4	65.7	157	51.3	5.78	.65	.000	.000
(WY)	1953	1957	1964	1964	1963	1940	1992	1977	1972	1964	1954	1943

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1939-94, 2000	
ANNUAL TOTAL	133723.90			
ANNUAL MEAN	365		546	
HIGHEST ANNUAL MEAN			1269	1945
LOWEST ANNUAL MEAN			115	1940
HIGHEST DAILY MEAN	15600	Jun 22	67000	Dec 3 1982
LOWEST DAILY MEAN	.00	Oct 1	.00	Sep 22 1939
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 1	.00	Sep 22 1939
INSTANTANEOUS PEAK FLOW	30800	Jun 22	[a]162000	Dec 3 1982
INSTANTANEOUS PEAK STAGE	23.93	Jun 22	[b]32.45	Dec 3 1982
INSTANTANEOUS LOW FLOW	.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	265200		395800	
ANNUAL RUNOFF (CFSM)	.89		1.33	
ANNUAL RUNOFF (INCHES)	12.13		18.10	
10 PERCENT EXCEEDS	637		1170	
50 PERCENT EXCEEDS	112		129	
90 PERCENT EXCEEDS	.12		1.9	

[a]From rating curve extended above 47,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow

[b]From floodmark



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 good, except for those below 2.0 ft^3/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	45	1.0	4.0	e11	70	22	8.7	13	19	.00	.13
2	.00	9.2	.96	40	17	53	44	7.9	10	14	.00	.39
3	.00	4.2	3.9	678	23	83	45	8.0	15	11	.00	.33
4	.00	9.1	13	205	32	73	40	12	41	7.9	.00	.39
5	.00	1.2	26	113	31	60	41	84	78	6.0	.00	.48
6	.00	.56	14	80	29	52	45	70	55	4.4	.00	.54
7	.00	.39	10	60	27	e43	56	52	36	3.1	.00	.49
8	.00	.32	6.2	54	23	35	23	37	25	2.1	.00	.59
9	.00	.25	29	50	21	30	18	28	19	1.5	.00	.61
10	.00	.16	76	41	20	31	16	21	18	1.2	.00	.60
11	.00	.22	35	32	18	50	79	17	14	.95	.00	.60
12	.00	.26	507	26	16	42	137	13	10	.79	.00	.64
13	.00	.10	321	22	14	37	89	9.4	7.5	.63	.00	.60
14	.00	.03	148	18	14	34	68	6.6	51	.50	.00	.53
15	.00	.06	84	16	12	32	55	5.0	210	.13	.00	.96
16	.00	.02	56	15	11	93	45	4.1	79	.10	.00	2.1
17	.00	.03	42	14	9.9	90	38	3.4	56	.03	.00	.06
18	.00	.01	33	13	12	158	29	3.6	78	.04	.00	.00
19	1.3	.03	26	12	17	427	24	18	85	.02	.00	.00
20	35	.17	21	11	18	215	20	19	68	.08	.00	.00
21	.42	.17	16	10	16	133	16	20	275	.12	.00	.00
22	.00	.03	13	8.8	14	97	14	15	362	.03	.00	.00
23	.00	.61	11	8.4	13	76	15	11	157	.02	.00	.00
24	.00	2.0	9.8	8.0	13	62	60	7.7	91	.00	.00	.00
25	.00	2.5	8.5	7.0	12	49	41	6.1	61	.00	.00	.03
26	.00	3.4	7.5	6.4	245	42	28	7.9	42	.00	.00	.00
27	.00	2.1	6.5	7.0	250	51	21	11	31	.00	.00	.00
28	.00	1.8	5.6	9.7	133	39	17	60	28	.00	.00	.00
29	.00	1.4	5.1	8.3	93	31	14	49	35	.00	.00	.00
30	.00	1.1	4.8	8.3	---	26	11	31	28	.00	.00	.00
31	8.7	---	4.3	e9.0	---	22	---	20	---	.00	.00	---
TOTAL	45.42	86.42	1545.16	1594.9	1164.9	2336	1171	666.4	2078.5	73.64	0.00	10.07
MEAN	1.47	2.88	49.8	51.4	40.2	75.4	39.0	21.5	69.3	2.38	.000	.34
MAX	35	45	507	678	250	427	137	84	362	19	.00	2.1
MIN	.00	.01	.96	4.0	9.9	22	11	3.4	7.5	.00	.00	.00
AC-FT	90	171	3060	3160	2310	4630	2320	1320	4120	146	.00	20
CFSM	.03	.06	1.08	1.12	.87	1.63	.85	.47	1.50	.05	.00	.01
IN.	.04	.07	1.25	1.29	.94	1.89	.94	.54	1.68	.06	.00	.01

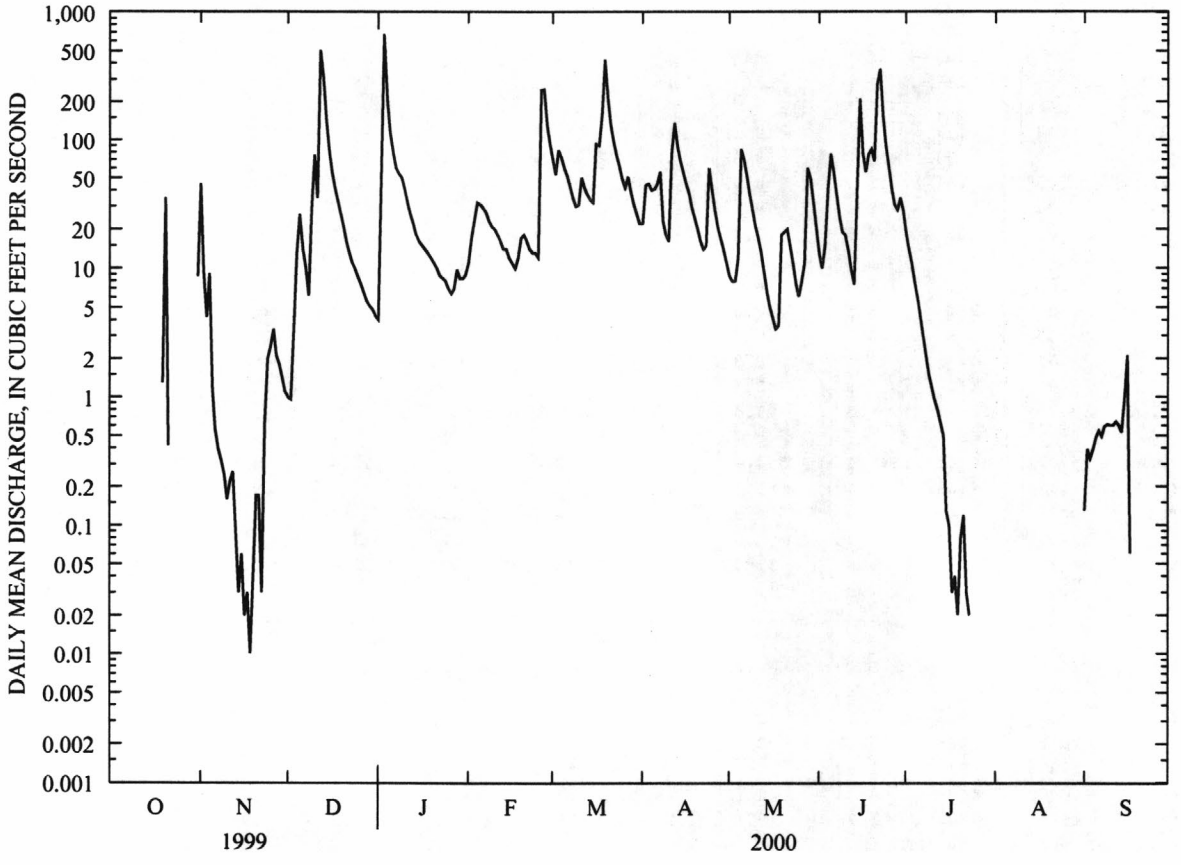
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	22.1	59.6	110	116	99.7	124	114	65.2	22.6	8.91	1.97	2.19
MAX	85.9	265	222	228	248	256	247	257	69.3	47.3	12.9	10.7
(WY)	1991	1997	1992	1991	1998	1990	1991	1990	2000	1994	1992	1991
MIN	.000	2.88	3.53	44.6	13.9	39.4	8.26	1.20	.68	.016	.000	.000
(WY)	1993	2000	1990	1996	1996	1996	1992	1992	1998	1990	1990	1993

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	18013.96		10772.41			
ANNUAL MEAN	49.4		29.4		62.0	
HIGHEST ANNUAL MEAN					91.9	1990
LOWEST ANNUAL MEAN					23.8	1996
HIGHEST DAILY MEAN	2020	Jan 2	678	Jan 3	2620	Dec 3 1993
LOWEST DAILY MEAN	.00	Jul 26	.00	Oct 1	.00	Jul 4 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 26	.00	Oct 1	.00	Jul 4 1990
INSTANTANEOUS PEAK FLOW			1140	Jan 3	6450	Dec 3 1993
INSTANTANEOUS PEAK STAGE			6.19	Jan 3	12.19	Dec 3 1993
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	35730		21370		44930	
ANNUAL RUNOFF (CFSM)	1.07		.64		1.35	
ANNUAL RUNOFF (INCHES)	14.54		8.69		18.28	
10 PERCENT EXCEEDS	115		71		142	
50 PERCENT EXCEEDS	7.4		9.8		12	
90 PERCENT EXCEEDS	.00		.00		.00	

[e]Estimated



07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
DEC											
12...	1800	81213	80513	832	765	91	10.3	6.1	23	10.3	6
FEB											
14...	1145	81213	80513	14	760	88	10.1	6.2	22	9.4	7
26...	1715	81213	80513	322	755	93	9.6	6.7	26	13.6	8
MAY											
08...	1030	81213	80513	43	755	87	7.8	6.8	20	20.5	6
JUN											
21...	1900	81213	80513	593	752	91	7.9	6.5	25	21.5	8

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC											
12...	1.0	.80	.90	.2	1.1	26	4	1.7	<.10	5.0	2.7
FEB											
14...	1.1	1.0	.50	.2	1.5	30	5	2.2	<.10	5.2	2.4
26...	1.3	1.1	.60	.2	1.3	25	13	1.9	<.10	4.7	2.8
MAY											
08...	1.0	.90	.50	.2	1.3	29	6	1.6	<.10	6.7	2.0
JUN											
21...	1.4	1.0	.70	.2	1.3	25	7	1.4	<.10	5.7	1.9

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
DEC										
12...	.006	.47	.024	.026	.46	.50	.01	.11	.01	.002
FEB										
14...	<.002	<.20	.006	.008	--	--	--	.03	.01	.002
26...	.007	.56	.007	.010	.55	.57	.01	.03	.01	.003
MAY										
08...	.008	<.20	--	.007	--	--	.01	--	--	<.001
JUN										
21...	.010	.58	.008	.013	.57	.59	.01	.04	.02	.005

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC										
12...	.01	.003	.037	50	.02	31.4	14	16	28	630
FEB										
14...	.01	.003	.006	10	.02	.53	14	17	4.2	K12
26...	--	<.001	.033	80	.03	18.3	21	22	25	140
MAY										
08...	M	.001	.015	20	.02	2.09	18	18	6.8	77
JUN										
21...	--	<.001	.051	50	.04	48.0	30	18	29	2200

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC										
12...	K2900	110	1200	22	73	<.10	5.0	5.4	115	51
FEB										
14...	K6	87	270	8.3	10	<.10	2.3	2.8	.26	7
26...	260	160	700	17	44	<.10	4.2	4.4	25	29
MAY										
08...	140	72	400	9.1	19	<.10	2.7	2.8	1.4	12
JUN										
21...	4700	190	1100	19	67	<.10	6.9	7.9	43	27

072632962 BRINGLE CREEK AT MARTINDALE

LOCATION.--Lat 34°52'52, long 92°40'51", in SE1/4SW1/4 sec.23, T.3 N., R.16 W., Pulaski County, Hydrologic Unit 11110207, on State Highway 10 at Martindale.

PERIOD OF RECORD.--1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
MAY										
08...	1130	81213	80513	6.4	756	94	8.7	6.6	19	18.7
JUN										
21...	1600	81213	80513	183	756	95	8.4	6.4	24	21.0

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
MAY										
08...	6	.80	.90	.60	.3	1.4	32	6	1.6	<.10
JUN										
21...	7	1.1	1.0	.80	.2	1.3	26	4	1.3	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
MAY										
08...	7.6	2.4	--	<.20	--	--	--	--	--	--
JUN										
21...	6.6	2.3	.011	.47	.023	.026	.46	.50	.01	.10

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
MAY										
08...	--	--	--	--	.025	10	.02	.31	18	19
JUN										
21...	.01	.003	.01	.003	.043	50	.04	15.8	32	17

DATE	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
MAY									
08...	7.2	110	84	68	490	8.6	32	.42	24
JUN									
21...	18	1800	5800	100	700	15	45	18	36

072632965 LAKE MAUMELLE WEST OF HWY 10 BRIDGE NEAR WYE

LOCATION.--Lat 34°54'24, long 92°39'26", in NE1/4SE1/4 sec.25, T.3 N., R.16 W., Pulaski County, Hydrologic Unit 11110207, at on right bank 250 ft upstream from State Hwy 10 bridge, 4.1 mi south of Wye.

PERIOD OF RECORD.--July 1991 to October 1992, February 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
FEB												
16...	1020	80513	80513	768	--	--	--	--	--	14.0	.91	--
16...	1025	80513	80513	768	94	10.6	6.3	24	10.7	14.0	--	.00
16...	1026	80513	80513	768	95	10.7	6.2	24	10.4	14.0	--	5.00
16...	1027	80513	80513	768	87	9.9	6.1	24	10.1	14.0	--	--
16...	1028	80513	80513	768	86	9.9	6.1	24	9.4	14.0	--	14.0
16...	1030	81213	80513	768	--	--	--	--	--	14.0	--	--
MAY												
10...	1015	80513	80513	763	--	--	--	--	--	15.0	.91	--
10...	1021	80513	80513	763	83	7.4	5.8	25	21.3	15.0	--	.00
10...	1022	80513	80513	763	74	6.6	5.8	25	21.0	15.0	--	5.00
10...	1023	80513	80513	763	51	4.7	5.6	26	19.9	15.0	--	10.0
10...	1024	80513	80513	763	43	4.0	5.6	28	19.0	15.0	--	15.0
10...	1030	81213	80513	763	--	--	--	--	--	15.0	--	--
AUG												
21...	1130	80513	80513	767	--	--	--	--	--	15.0	.76	--
21...	1136	80513	80513	767	86	6.6	6.1	26	29.5	15.0	--	.00
21...	1138	80513	80513	767	83	6.4	6.0	26	29.3	15.0	--	5.00
21...	1139	80513	80513	767	62	4.8	5.9	27	28.6	15.0	--	10.0
21...	1140	80513	80513	767	15	1.2	5.8	34	28.2	15.0	--	15.0
21...	1145	80513	80513	767	--	--	--	--	--	15.0	--	--

DATE	TIME	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
FEB									
16...	1030	4	.004	<.20	.027	.030	--	--	.01
MAY									
10...	1030	7	.011	.22	.009	.010	.21	.23	.01
AUG									
21...	1145	6	<.002	.36	--	.002	--	.36	--

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	TURBIDITY (NTU) (00076)
FEB									
16...	.12	.01	.003	--	<.001	.013	20	17	8.4
MAY									
10...	.04	M	.001	.01	.004	.030	10	19	8.8
AUG									
21...	--	--	<.001	--	<.001	.019	<5	18	7.5

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)
FEB									
16...	1.80	K2	<1	460	31	2.0	2.2	12	.00
MAY									
10...	6.30	K16	K6	620	55	2.7	2.8	K9.0	.00
AUG									
21...	6.90	K10	K4	470	87	2.9	3.2	15	.00

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
26...	1015	80513	80513	762	--	--	--	--	--	15.0	1.80	--
26...	1016	80513	80513	762	93	9.0	6.8	24	16.9	15.0	--	.00
26...	1017	80513	80513	762	86	8.3	6.8	24	16.8	15.0	--	5.00
26...	1018	80513	80513	762	89	8.7	6.7	24	16.6	15.0	--	10.0
26...	1019	80513	80513	762	80	7.9	6.6	24	16.0	15.0	--	15.0
26...	1030	81213	80513	762	--	--	--	--	--	15.0	--	--
FEB												
16...	0950	80513	80513	768	--	--	--	--	--	17.0	.98	--
16...	1001	80513	80513	768	96	10.9	6.2	23	10.1	17.0	--	.00
16...	1002	80513	80513	768	94	10.8	6.2	23	9.6	17.0	--	5.00
16...	1003	80513	80513	768	93	10.8	6.2	22	8.9	17.0	--	10.0
16...	1004	80513	80513	768	93	10.9	6.2	22	8.8	17.0	--	15.0
16...	1005	80513	80513	768	95	11.1	6.2	22	8.8	17.0	--	17.0
16...	1010	81213	80513	768	--	--	--	--	--	17.0	--	--
MAY												
10...	0950	80513	80513	768	--	--	--	--	--	20.0	.76	--
10...	0954	80513	80513	768	79	7.1	5.6	2	20.9	20.0	--	--
10...	0955	80513	80513	768	76	6.9	5.7	24	20.8	20.0	--	5.00
10...	0958	80513	80513	768	76	6.8	5.6	24	20.7	20.0	--	10.0
10...	0959	80513	80513	768	66	6.0	5.6	24	20.5	15.0	--	15.0
10...	1000	80513	80513	768	50	4.6	5.5	25	20.1	15.0	--	20.0
10...	1005	81213	80513	768	--	--	--	--	--	20.0	--	--
AUG												
21...	1110	80513	80513	766	--	--	--	--	--	19.0	.98	--
21...	1117	80513	80513	766	95	7.3	6.2	26	29.6	19.0	--	.00
21...	1118	80513	80513	766	94	7.2	6.2	26	29.7	19.0	--	5.00
21...	1119	80513	80513	766	93	7.1	6.2	26	29.6	19.0	--	10.0
21...	1120	80513	80513	766	75	5.8	6.0	26	29.0	19.0	--	15.0
21...	1122	80513	80513	766	74	5.7	5.9	27	29.0	19.0	--	19.0
21...	1130	80513	80513	766	--	--	--	--	--	19.0	--	--

DATE	TIME	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT									
26...	1030	6	.004	.33	.003	.004	.33	.33	.01
FEB									
16...	1010	4	.020	.25	.056	.060	.23	.31	.03
MAY									
10...	1005	6	.018	.23	--	.010	.21	.24	.02
AUG									
21...	1130	5	.011	.25	--	<.002	.24	--	.01

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	TURBIDITY (NTU) (00076)
OCT									
26...	.01	M	.001	--	<.001	.010	--	21	1.7
FEB									
16...	.25	.01	.004	.07	.022	.018	10	19	6.8
MAY									
10...	--	--	<.001	--	<.001	.025	5	19	8.1
AUG									
21...	--	--	<.001	--	<.001	.012	<5	18	4.7

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)
OCT									
26...	5.50	<1	<1	150	48	1.6	1.8	15	.00
FEB									
16...	2.00	<1	<1	480	26	2.5	2.5	15	.00
MAY									
10...	4.90	K16	K9	460	66	2.4	2.6	18	.00
AUG									
21...	4.60	<1	<1	220	71	2.8	2.9	18	.00

072632971 YOUNT CREEK NEAR MARTINDALE

LOCATION.--Lat 34°53'23, long 92°38'48", in SE1/4NW1/4 sec.19, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, at bridge on State Highway 113, 2.5 mi northeast of Martindale.

PERIOD OF RECORD.--1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
FEB										
15...	1230	81213	80513	.71	760	86	10.2	5.9	25	7.6
MAY										
08...	1200	81213	80513	1.1	758	88	7.8	6.8	27	21.2
JUN										
21...	1245	81213	80513	95	758	89	8.0	6.3	25	20.5

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
FEB										
15...	7	1.0	1.1	.60	.3	2.0	36	3	3.4	<.10
MAY										
08...	8	1.2	1.2	.80	.3	2.0	33	8	2.7	<.10
JUN										
21...	7	1.2	1.0	1.0	.2	1.3	25	5	1.4	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
FEB										
15...	4.3	3.0	.003	<.20	.016	.018	--	--	M	.07
MAY										
08...	7.4	2.7	.009	<.20	.050	.051	--	--	.01	.22
JUN										
21...	5.8	2.0	.016	.42	.024	.026	.40	.45	.02	.11

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
FEB										
15...	.01	.002	--	<.001	.003	5	.03	.04	19	17
MAY										
08...	M	.001	.02	.005	.017	10	.02	.05	18	23
JUN										
21...	.01	.002	.03	.009	.063	60	.04	8.21	32	17

DATE	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
FEB									
15...	1.6	K8	21	64	140	1.6	4	.02	8
MAY									
08...	3.7	K160	140	120	400	11	18	.03	9
JUN									
21...	27	K8900	9100	150	810	26	120	12	46

072632982 REECE CREEK AT LITTLE ITALY

LOCATION.--Lat 34°55'47, long 92°35'36", in NE1/4SW1/4 sec.3, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, 0.6 mi southwest of Little Italy.

PERIOD OF RECORD.--1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
FEB 15...	1340	81213	80513	1.5	752	95	10.7	6.1	23	9.4
MAY 08...	1245	81213	80513	3.7	753	93	8.1	6.8	22	21.1
JUN 21...	1345	81213	80513	150	758	95	8.5	6.3	23	20.5

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
FEB 15...	6	.80	.90	.60	.5	2.5	46	4	3.2	<.10
MAY 08...	7	1.0	1.0	.80	.3	1.8	34	7	2.4	<.10
JUN 21...	6	.90	.80	.70	.3	1.6	35	6	1.8	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
FEB 15...	7.8	2.3	<.002	<.20	--	<.002	--	--	--	--
MAY 08...	8.6	1.6	.009	.50	.006	.007	.49	.51	.01	.03
JUN 21...	7.9	1.7	.006	.48	.036	.038	.47	.52	.01	.16

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
FEB 15...	.01	.002	--	<.001	.005	10	.03	.09	22	21
MAY 08...	M	.001	.01	.002	.013	10	.03	.23	23	22
JUN 21...	.01	.002	--	<.001	.051	30	.03	10.1	25	19

DATE	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
FEB 15...	2.2	44	75	86	180	1.8	4	.03	7
MAY 08...	4.0	83	190	130	440	3.9	10	.08	8
JUN 21...	40	1600	3900	110	1300	16	120	31	77

07263299 LAKE MAUMELLE NEAR LITTLE ITALY

LOCATION.--Lat 34°43'34", long 92°34'34", 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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
26...	0930	80513	80513	761	--	--	--	--	--	40.0	1.90	--
26...	0934	80513	80513	761	83	7.7	6.6	26	18.5	39.0	--	.00
26...	0935	80513	80513	761	82	7.7	6.6	26	18.5	39.0	--	5.00
26...	0936	80513	80513	761	82	7.7	6.6	26	18.5	39.0	--	10.0
26...	0937	80513	80513	761	82	7.7	6.6	26	18.5	39.0	--	15.0
26...	0938	80513	80513	761	82	7.7	6.6	26	18.5	39.0	--	20.0
26...	0939	80513	80513	761	82	7.7	6.6	26	18.5	39.0	--	25.0
26...	0940	80513	80513	761	82	7.7	6.5	26	18.4	39.0	--	30.0
26...	0941	80513	80513	761	80	7.5	6.5	26	18.4	39.0	--	35.0
26...	0942	80513	80513	761	78	7.3	6.5	26	18.4	39.0	--	39.0
26...	0950	81213	80513	761	--	--	--	--	--	40.0	--	--
FEB												
16...	0915	80513	80513	767	--	--	--	--	--	44.0	2.00	--
16...	0922	80513	80513	767	98	11.5	6.4	22	8.8	44.0	--	.00
16...	0923	80513	80513	767	96	11.3	6.3	22	8.6	44.0	--	5.00
16...	0924	80513	80513	767	96	11.4	6.3	22	8.4	44.0	--	10.0
16...	0925	80513	80513	767	96	11.4	6.2	22	8.3	44.0	--	15.0
16...	0926	80513	80513	767	96	11.4	6.3	22	8.2	44.0	--	20.0
16...	0927	80513	80513	767	97	11.5	6.2	22	8.0	44.0	--	25.0
16...	0928	80513	80513	767	96	11.5	6.2	22	8.0	44.0	--	30.0
16...	0929	80513	80513	767	95	11.4	6.2	22	8.0	44.0	--	35.0
16...	0930	80513	80513	767	95	11.3	6.2	22	8.0	44.0	--	40.0
16...	0931	80513	80513	767	95	11.4	6.2	22	8.0	44.0	--	44.0
16...	0940	81213	80513	767	--	--	--	--	--	44.0	--	--
MAY												
10...	0900	80513	80513	761	--	--	--	--	--	43.0	2.30	--
10...	0906	80513	80513	761	97	8.6	5.9	23	21.2	43.0	--	.00
10...	0907	80513	80513	761	97	8.6	5.9	23	21.2	43.0	--	5.00
10...	0908	80513	80513	761	97	8.6	6.0	23	21.2	43.0	--	10.0
10...	0909	80513	80513	761	96	8.5	6.0	23	21.2	43.0	--	15.0
10...	0910	80513	80513	761	95	8.5	5.9	23	21.2	43.0	--	20.0
10...	0911	80513	80513	761	73	6.7	5.8	23	19.6	43.0	--	22.0
10...	0912	80513	80513	761	57	5.3	5.7	24	18.6	43.0	--	25.0
10...	0913	80513	80513	761	54	5.1	5.6	24	18.5	43.0	--	30.0
10...	0914	80513	80513	761	54	5.0	5.5	24	18.4	43.0	--	35.0
10...	0915	80513	80513	761	51	4.8	5.5	25	18.3	43.0	--	40.0
10...	0916	80513	80513	761	47	4.4	5.4	26	18.2	43.0	--	43.0
10...	0920	81213	80513	761	--	--	--	--	--	43.0	--	--
10...	0925	81213	80513	761	--	--	--	--	--	43.0	--	--
AUG												
21...	1010	80513	80513	766	--	--	--	--	--	41.0	2.10	--
21...	1012	80513	80513	766	92	7.1	6.1	26	29.5	41.0	--	.00
21...	1013	80513	80513	766	91	7.0	6.1	26	29.4	41.0	--	5.00
21...	1015	80513	80513	766	91	7.0	6.1	26	29.4	41.0	--	10.0
21...	1017	80513	80513	766	92	7.0	6.1	26	29.4	41.0	--	15.0
21...	1019	80513	80513	766	91	7.0	6.1	26	29.4	41.0	--	20.0
21...	1021	80513	80513	766	91	7.0	6.0	26	29.4	41.0	--	21.0
21...	1023	80513	80513	766	77	5.9	6.0	26	29.3	41.0	--	22.0
21...	1025	80513	80513	766	10	.8	5.8	30	28.0	41.0	--	23.0
21...	1026	80513	80513	766	1	.1	6.0	52	24.5	41.0	--	24.0
21...	1028	80513	80513	766	1	.1	6.1	58	23.6	41.0	--	25.0
21...	1030	80513	80513	766	1	.1	6.2	70	22.5	41.0	--	26.0
21...	1032	80513	80513	766	1	.1	6.3	74	22.0	41.0	--	30.0
21...	1034	80513	80513	766	1	.1	6.3	76	21.7	41.0	--	35.0
21...	1036	80513	80513	766	1	.1	6.3	76	21.7	41.0	--	40.0
21...	1038	80513	80513	766	1	.1	6.3	76	21.6	41.0	--	41.0
21...	1045	80513	80513	766	--	--	--	--	--	41.0	--	--
21...	1050	80513	80513	766	--	--	--	--	--	41.0	--	--

07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT									
26...	0950	7	.045	.30	.010	.011	.25	.31	.06
FEB									
16...	0940	3	.005	<.20	.067	.071	--	--	.01
MAY									
10...	0920	5	.008	<.20	--	--	--	--	.01
10...	0925	5	.023	<.20	--	.008	--	--	.03
AUG									
21...	1045	6	.013	.23	--	<.002	.22	--	.02
21...	1050	9	.052	.30	--	<.002	.25	--	.07

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	TURBIDITY (NTU) (00076)
OCT									
26...	.04	M	.001	--	<.001	.009	--	22	1.9
FEB									
16...	.30	.01	.004	--	<.001	.011	10	20	3.4
MAY									
10...	--	--	<.001	M	.001	.009	5	19	1.6
10...	--	--	<.001	.01	.002	.009	5	18	1.7
AUG									
21...	--	--	<.001	--	<.001	.008	<5	16	1.5
21...	--	--	<.001	--	<.001	.011	30	24	4.8

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)
OCT									
26...	5.70	K3	K1	130	110	1.6	1.8	39	.00
FEB									
16...	2.30	<1	<1	240	22	2.5	2.8	42	.00
MAY									
10...	4.20	<1	K1	80	26	2.2	2.4	18	.00
10...	--	K1	K6	120	60	2.3	2.4	42	24
AUG									
21...	--	K1	<1	110	96	2.7	3.0	18	.00
21...	--	--	--	1900	1200	2.7	3.2	39	21

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
26...	0845	80513	80513	761	--	--	--	--	--	45.0	1.50	--
26...	0850	80513	80513	761	87	8.1	6.6	25	19.1	45.0	--	.00
26...	0851	80513	80513	761	92	8.5	6.7	26	19.1	45.0	--	5.00
26...	0852	80513	80513	761	92	8.5	6.6	26	19.1	45.0	--	10.0
26...	0853	80513	80513	761	93	8.6	6.6	26	19.1	45.0	--	15.0
26...	0854	80513	80513	761	97	8.9	6.7	26	19.1	45.0	--	20.0
26...	0855	80513	80513	761	96	8.8	6.6	26	19.1	45.0	--	25.0
26...	0856	80513	80513	761	99	9.1	6.7	26	19.1	45.0	--	30.0
26...	0857	80513	80513	761	90	8.3	6.7	26	19.1	45.0	--	35.0
26...	0858	80513	80513	761	83	7.7	6.7	26	19.1	45.0	--	40.0
26...	0859	80513	80513	761	93	8.6	6.6	26	19.1	45.0	--	45.0
26...	0910	81213	80513	761	--	--	--	--	--	45.0	--	--
FEB												
16...	0815	80513	80513	765	--	--	--	--	--	45.0	2.00	--
16...	0823	80513	80513	765	100	11.7	6.4	21	8.9	45.0	--	.00
16...	0824	80513	80513	765	95	11.1	6.4	22	8.9	45.0	--	5.00
16...	0825	80513	80513	765	103	12.1	6.3	21	8.9	45.0	--	10.0
16...	0826	80513	80513	765	107	12.6	6.3	22	8.7	45.0	--	15.0
16...	0827	80513	80513	765	106	12.5	6.3	22	8.4	45.0	--	20.0
16...	0828	80513	80513	765	113	13.3	6.2	22	8.2	45.0	--	25.0
16...	0829	80513	80513	765	113	13.4	6.2	22	8.2	45.0	--	30.0
16...	0830	80513	80513	765	99	11.8	6.1	22	8.1	45.0	--	35.0
16...	0831	80513	80513	765	91	10.8	6.1	22	8.1	45.0	--	40.0
16...	0832	80513	80513	765	89	10.6	6.1	22	8.1	45.0	--	45.0
16...	0900	81213	80513	765	--	--	--	--	--	45.0	--	--
MAY												
10...	0800	80513	80513	761	--	--	--	--	--	48.0	2.50	--
10...	0804	80513	80513	761	99	8.8	6.1	23	21.4	48.0	--	--
10...	0805	80513	80513	761	99	8.8	6.1	23	21.4	48.0	--	5.00
10...	0806	80513	80513	761	99	8.7	6.1	23	21.4	48.0	--	10.0
10...	0807	80513	80513	761	98	8.7	6.1	23	21.3	48.0	--	15.0
10...	0808	80513	80513	761	98	8.6	6.1	23	21.3	48.0	--	20.0
10...	0809	80513	80513	761	94	8.3	6.1	23	21.1	48.0	--	25.0
10...	0810	80513	80513	761	87	7.9	5.9	23	20.1	48.0	--	27.0
10...	0811	80513	80513	761	70	6.5	5.9	24	18.6	48.0	--	30.0
10...	0812	80513	80513	761	61	5.8	5.8	25	18.2	48.0	--	35.0
10...	0813	80513	80513	761	55	5.2	5.7	26	17.9	48.0	--	40.0
10...	0814	80513	80513	761	42	4.0	5.7	28	17.7	48.0	--	45.0
10...	0815	80513	80513	761	24	2.3	5.7	34	17.6	48.0	--	48.0
10...	0820	81213	80513	761	--	--	--	--	--	48.0	--	--
10...	0830	81213	80513	761	--	--	--	--	--	48.0	--	--
AUG												
21...	0830	80513	80513	766	--	--	--	--	--	45.0	2.40	--
21...	0835	80513	80513	766	95	7.4	6.3	26	28.7	45.0	--	.00
21...	0840	80513	80513	766	94	7.3	6.3	26	28.8	45.0	--	5.00
21...	0842	80513	80513	766	93	7.2	6.2	26	28.8	45.0	--	10.0
21...	0843	80513	80513	766	90	7.0	6.2	26	28.7	45.0	--	15.0
21...	0846	80513	80513	766	79	6.2	6.1	26	28.7	45.0	--	16.0
21...	0848	80513	80513	766	24	1.9	5.8	28	27.7	45.0	--	17.0
21...	0850	80513	80513	766	6	.5	5.6	29	27.2	45.0	--	19.0
21...	0852	80513	80513	766	2	.1	5.6	30	27.0	45.0	--	20.0
21...	0854	80513	80513	766	1	.1	5.6	30	26.0	45.0	--	22.0
21...	0855	80513	80513	766	1	.1	5.7	37	24.8	45.0	--	24.0
21...	0857	80513	80513	766	1	.1	5.7	41	24.2	45.0	--	25.0
21...	0859	80513	80513	766	1	.1	5.9	53	23.0	45.0	--	27.0
21...	0900	80513	80513	766	1	.1	6.1	66	22.0	45.0	--	29.0
21...	0902	80513	80513	766	1	.1	6.1	68	21.8	45.0	--	30.0
21...	0903	80513	80513	766	1	.1	6.2	71	21.3	45.0	--	35.0
21...	0905	80513	80513	766	1	.1	6.2	73	21.1	45.0	--	40.0
21...	0906	80513	80513	766	1	.1	6.2	74	21.0	45.0	--	45.0
21...	0910	80513	80513	766	--	--	--	--	--	45.0	--	--
21...	0920	80513	80513	766	--	--	--	--	--	45.0	--	--

072632995 LAKE MAUMELLE NEAR NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
26...	0910	10	1.5	1.4	.70	.2	1.5	24	6	2.0	<.10
FEB											
16...	0900	8	1.2	1.2	.60	.2	1.4	26	4	2.0	<.10
MAY											
10...	0820	7	1.3	1.0	.60	.2	1.2	24	5	2.1	<.10
10...	0830	8	1.4	1.1	.60	.2	1.2	23	6	2.1	<.10
AUG											
21...	0910	8	1.1	1.2	.60	.2	1.5	28	7	2.0	<.10
21...	0920	9	1.3	1.3	.60	.2	1.5	26	6	2.2	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
OCT											
26...	4.4	2.6	.030	.26	.007	.008	.23	.27	.04	.03	M
FEB											
16...	5.5	3.4	.006	<.20	.052	.055	--	--	.01	.23	.01
MAY											
10...	2.9	3.5	.017	<.20	--	<.002	--	--	.02	--	--
10...	3.4	3.4	.012	<.20	--	.006	--	--	.02	--	--
AUG											
21...	4.2	2.8	.002	.25	--	.002	.25	.25	M	--	--

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT											
26...	.001	--	<.001	.011	10	.02	17	18	1.3	7.60	K3
FEB											
16...	.003	--	<.001	.013	5	.03	21	18	2.7	3.60	K4
MAY											
10...	<.001	.01	.002	.008	5	.02	18	16	1.3	3.80	<1
10...	<.001	.01	.002	.008	5	.02	17	17	1.7	--	K1
AUG											
21...	<.001	--	<.001	.008	<5	.02	15	17	1.1	5.40	<1
21...	<.001	--	<.001	.013	<5	.03	20	18	2.4	--	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)
OCT										
26...	<1	4.1	80	.40	150	<.10	1.5	1.7	45	.00
FEB										
16...	<1	17	160	4.2	30	<.10	2.5	2.7	45	.00
MAY										
10...	K2	6.6	70	1.1	27	<.10	2.2	2.2	27	.00
10...	K1	8.3	100	70	100	<.10	2.2	2.3	45	30
AUG										
21...	<1	4.8	30	3.9	47	<.10	2.7	2.8	15	.00
21...	--	190	490	560	590	<.10	2.5	2.8	42	18

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 mi².

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

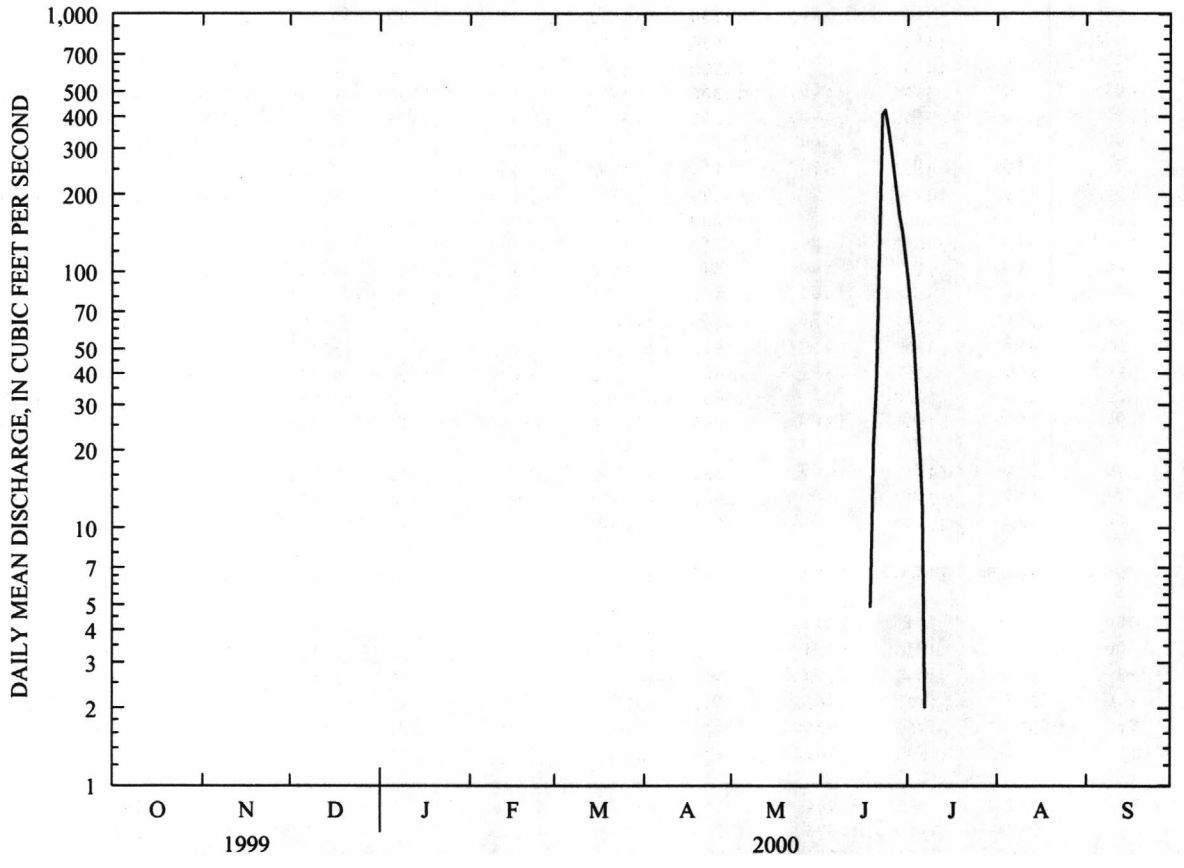
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	94	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	73	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	55	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	38	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	24	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	13	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.0	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	4.9	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	21	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	37	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	139	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	409	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	423	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	366	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	304	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	244	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	199	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	165	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	144	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	116	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2571.90	299.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	85.7	9.65	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	423	94	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	5100	593	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	.000	68.7	248	211	260	368	287	207	51.0	13.2	4.98	.000
MAX	.000	435	840	836	724	947	642	546	198	86.3	53.1	.000
(WY)	1990	1997	1992	1991	1998	1997	1991	1990	1992	1994	1992	1989
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1990	1990	1990	1990	1996	1996	1996	1992	1998	1990	1990	1989

07263300 MAUMELLE RIVER AT MAUMELLE DAM AT NATURAL STEPS--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	30261.22		2870.90			
ANNUAL MEAN	82.9		7.84		143	
HIGHEST ANNUAL MEAN					274	1997
LOWEST ANNUAL MEAN					7.84	2000
HIGHEST DAILY MEAN	896	Mar 15	423	Jun 23	2970	Mar 8 1990
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Aug 17 1989
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Aug 17 1989
INSTANTANEOUS PEAK FLOW			446	Jun 23	3420	Mar 8 1990
INSTANTANEOUS PEAK STAGE			90.77	Jun 23	92.49	Mar 8 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	60020		5690		103500	
10 PERCENT EXCEEDS	308		.00		447	
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.--Records good except discharges below 10,000 ft^3/s and estimated daily discharges, 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, at former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, at former site and datum.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15700	19800	4150	11100	15200	30800	e76300	13000	55700	130000	53700	4060
2	8230	11200	3440	10300	18000	38600	e84300	27400	57700	135000	38100	4620
3	3450	2040	161	19000	9120	52300	e87400	54200	50800	138000	35400	3800
4	4240	4300	18500	46000	26000	66000	e78800	59900	41200	137000	33900	4580
5	4460	4720	26000	30300	8940	65400	e61000	58800	31500	136000	31800	6600
6	16100	928	17600	11300	11100	76700	e72700	54000	27000	134000	14700	3820
7	18700	1010	14200	18000	12800	67500	e76600	77000	31400	132000	10900	2710
8	14300	2030	14300	12800	11500	48800	e75200	99400	13600	129000	21500	6770
9	18500	1060	25600	14900	12300	60900	e78100	123000	17800	107000	27700	13100
10	12300	3760	27500	22000	3000	75800	e51000	97800	27000	83300	17100	7940
11	6220	4850	42600	15800	10100	67100	e36000	75100	10700	71500	12900	9890
12	7190	1380	72200	10100	5170	53200	e45900	93500	11300	67600	15000	10500
13	3260	2090	118000	10100	15200	31800	e48800	115000	20900	60700	4100	5750
14	6380	3360	120000	14000	13700	25000	e61000	115000	24300	43700	5740	6490
15	4350	318	81500	10700	9030	29600	e55900	107000	49900	42900	12000	5610
16	9580	1240	81900	10100	4700	26600	e50800	104000	57800	25200	10200	9290
17	11000	6210	82900	10700	4530	e22200	e36400	98100	39700	43700	13000	2870
18	2920	1560	62100	15400	14400	e37200	e16900	83700	88800	45200	16500	3410
19	4210	3640	54200	20400	17600	e50000	e19900	72900	125000	39900	7760	12700
20	3100	1550	54500	18100	4860	e62900	32200	59300	94600	24500	2830	11400
21	8020	588	54100	18600	7420	e63300	22300	32100	82800	27400	5660	4320
22	6950	1370	52300	10600	6640	e59900	12600	27000	130000	42200	8600	3300
23	1530	5420	31400	15700	13200	e59300	12100	27500	184000	46700	8480	6420
24	10600	9760	8370	22900	23000	e70000	14700	23500	186000	38400	12900	8080
25	3480	8890	16800	14100	29800	e80000	24600	5830	159000	24800	626	2750
26	5740	1460	16100	19200	35500	e80000	28800	10200	138000	19100	2890	2620
27	7140	644	7020	17200	60000	e90000	28300	49000	128000	22500	1440	3560
28	2550	1040	8030	21700	58900	e88800	29100	79300	127000	31500	6990	5650
29	2100	2090	11400	19600	50000	e91400	27500	98100	123000	32200	15600	5000
30	3340	5800	22700	19900	---	e97900	10700	57800	122000	36700	13400	10400
31	10200	---	10500	9040	---	e87900	---	40100	---	52500	5370	---
TOTAL	235840	114108	1160071	519640	511710	1856900	1355900	2038530	2256500	2100200	466786	188010
MEAN	7608	3804	37420	16760	17650	59900	45200	65760	75220	67750	15060	6267
MAX	18700	19800	120000	46000	60000	97900	87400	123000	186000	138000	53700	13100
MIN	1530	318	161	9040	3000	22200	10700	5830	10700	19100	626	2620
AC-FT	467800	226300	2301000	1031000	1015000	3683000	2689000	4043000	4476000	4166000	925900	372900

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2000, BY WATER YEAR (WY)

MEAN	29640	48070	54020	46450	47100	75070	78890	79550	68820	35240	16690	15900
MAX	215100	176000	155400	161800	108200	169500	215900	234800	191600	117100	62730	51690
(WY)	1987	1975	1993	1998	1975	1987	1973	1990	1995	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1970 - 2000	
ANNUAL TOTAL	24295617		12804195			
ANNUAL MEAN	66560		34980		[a]49600	
HIGHEST ANNUAL MEAN					96810	1993
LOWEST ANNUAL MEAN					12880	1981
HIGHEST DAILY MEAN	184000	Jul 3	186000	Jun 24	404000	May 8 1990
LOWEST DAILY MEAN	161	Dec 3	161	Dec 3	[b]14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	2150	Nov 6	2150	Nov 6	432	Oct 15 1982
INSTANTANEOUS PEAK FLOW			195000	Jun 23	[c]406000	May 7 1990
INSTANTANEOUS PEAK STAGE			243.12	Jun 24	[d]256.97	May 7 1990
ANNUAL RUNOFF (AC-FT)	48190000		25400000		35940000	
10 PERCENT EXCEEDS	160000		88800		133000	
50 PERCENT EXCEEDS	39800		18800		30900	
90 PERCENT EXCEEDS	3690		3400		3990	

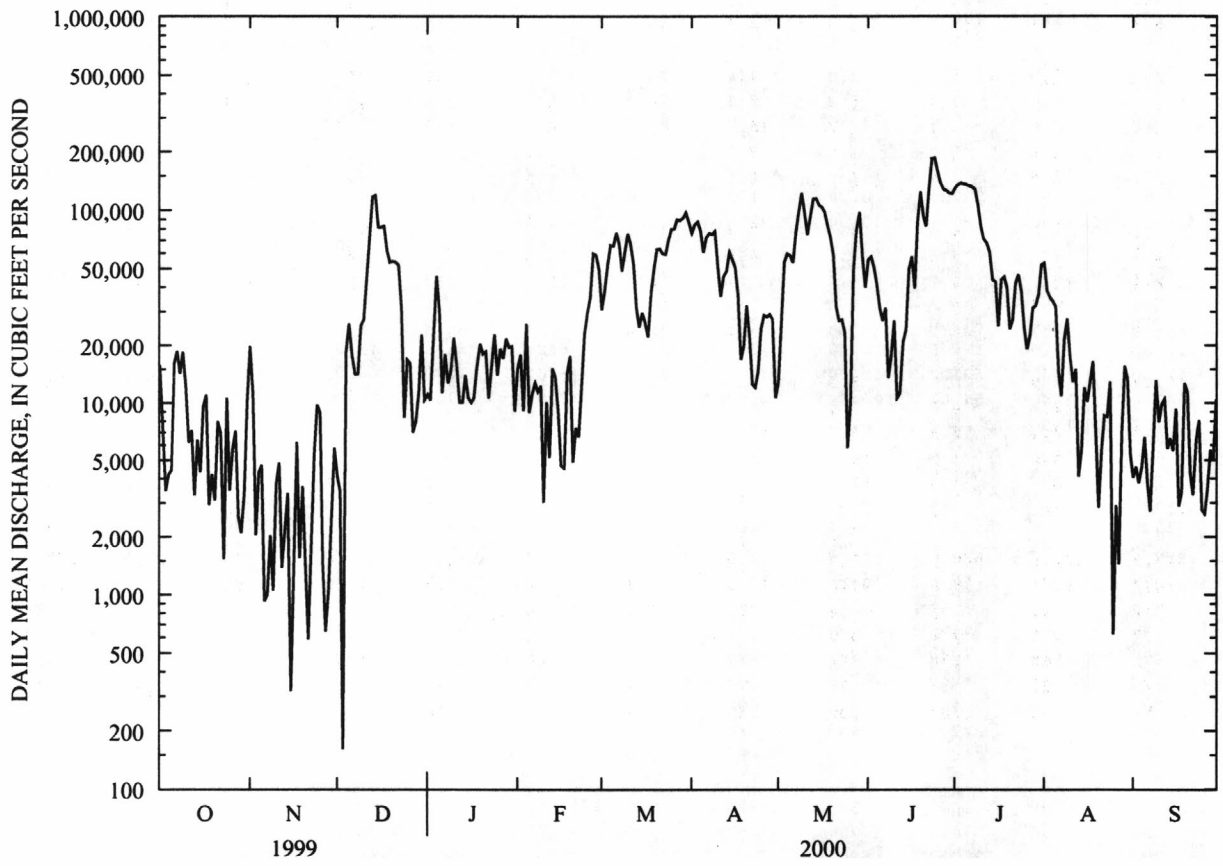
[a]Prior to regulation, water years 1928-69, 39,920 ft^3/s

[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



07263580 ROCK CREEK AT 36TH STREET AT LITTLE ROCK

LOCATION.--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.--20.5 mi^2.

PERIOD OF RECORD.--October 1996 to current year. Daily stages and results of discharge measurements for March 1970 to March 1978 are in the files of the U.S. Army Corps of Engineers. Annual peak stages and discharges for 1978-88 and 1995-96 are published in the annual reports of the U.S. Geological Survey. Daily stages for the 1989-94 water year are in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 13, 1978, reached a stage of 18.22 ft, discharge, 22,500 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	46	2.9	3.9	10	16	22	3.6	5.6	1.4	1.2	9.1
2	1.7	8.8	2.9	5.6	10	9.4	33	14	5.1	1.2	2.3	6.5
3	1.7	4.8	15	10	8.8	32	24	8.1	18	1.1	3.3	2.1
4	1.7	3.8	40	5.7	7.8	14	14	33	65	1.0	1.8	2.2
5	1.7	4.0	25	8.4	6.5	9.8	11	11	28	1.2	1.6	2.0
6	1.7	3.5	7.6	4.5	5.8	8.2	9.8	53	12	1.4	1.4	1.6
7	2.6	3.3	7.3	4.1	5.4	7.2	29	13	7.7	3.4	1.3	1.5
8	64	3.1	8.2	10	4.9	6.6	25	7.0	5.9	3.8	1.3	1.7
9	44	3.1	26	5.3	5.2	6.2	11	5.3	5.6	2.9	1.2	4.1
10	8.8	3.1	15	4.4	5.0	14	9.3	4.9	15	2.3	1.2	5.4
11	5.3	3.1	29	4.2	4.7	11	68	4.2	14	2.0	1.2	2.7
12	3.9	3.0	233	4.2	4.4	7.2	25	4.1	7.4	1.7	1.1	6.6
13	2.9	3.0	59	4.1	7.9	6.2	22	5.6	5.7	1.7	1.1	2.3
14	2.5	4.6	26	3.9	5.3	5.7	14	3.9	72	1.4	1.1	1.7
15	2.4	4.1	13	3.9	4.7	20	11	5.1	170	1.4	1.2	1.4
16	2.6	3.3	8.9	3.9	4.4	113	9.2	4.1	16	1.2	1.2	1.3
17	2.6	2.9	7.7	5.9	7.1	26	8.0	3.9	46	1.1	1.6	1.3
18	2.4	2.9	6.1	4.2	16	53	6.4	3.9	16	1.1	1.2	1.3
19	9.3	2.6	5.2	4.2	7.7	52	5.7	23	14	1.1	1.1	1.3
20	3.1	2.6	4.9	6.5	8.1	23	5.0	56	12	3.2	1.1	1.3
21	2.5	2.6	4.6	4.1	5.2	16	4.7	16	78	3.4	1.1	1.7
22	2.2	2.7	4.4	4.6	4.9	13	4.2	7.8	28	2.4	1.4	2.3
23	2.1	24	4.2	4.0	4.7	12	21	5.3	8.9	2.5	1.2	2.3
24	1.9	6.4	4.2	3.9	5.1	11	23	4.5	5.4	1.6	1.7	138
25	1.8	3.1	4.2	3.9	9.4	9.6	7.2	5.0	3.4	1.2	2.0	42
26	1.7	2.9	4.2	3.9	206	20	5.2	29	2.0	1.2	2.1	11
27	1.7	2.8	4.0	3.9	36	24	4.2	112	2.1	1.1	1.5	6.3
28	1.7	3.4	3.9	7.5	18	12	4.1	54	14	1.1	1.5	4.5
29	1.7	5.0	3.9	14	14	9.2	3.9	15	6.7	1.1	1.6	3.7
30	2.0	2.9	3.9	12	---	8.8	3.6	9.2	2.1	3.7	1.5	3.4
31	132	---	3.9	10	---	7.5	---	6.7	---	1.5	1.8	---
TOTAL	317.9	171.4	588.1	178.7	443.0	583.6	443.5	531.2	691.6	56.4	45.9	272.6
MEAN	10.3	5.71	19.0	5.76	15.3	18.8	14.8	17.1	23.1	1.82	1.48	9.09
MAX	132	46	233	14	206	113	68	112	170	3.8	3.3	138
MIN	1.7	2.6	2.9	3.9	4.4	5.7	3.6	3.6	2.0	1.0	1.1	1.3
AC-FT	631	340	1170	354	879	1160	880	1050	1370	112	91	541
CFSM	.50	.28	.93	.28	.75	.92	.72	.84	1.12	.09	.07	.44
IN.	.58	.31	1.07	.32	.80	1.06	.80	.96	1.26	.10	.08	.49

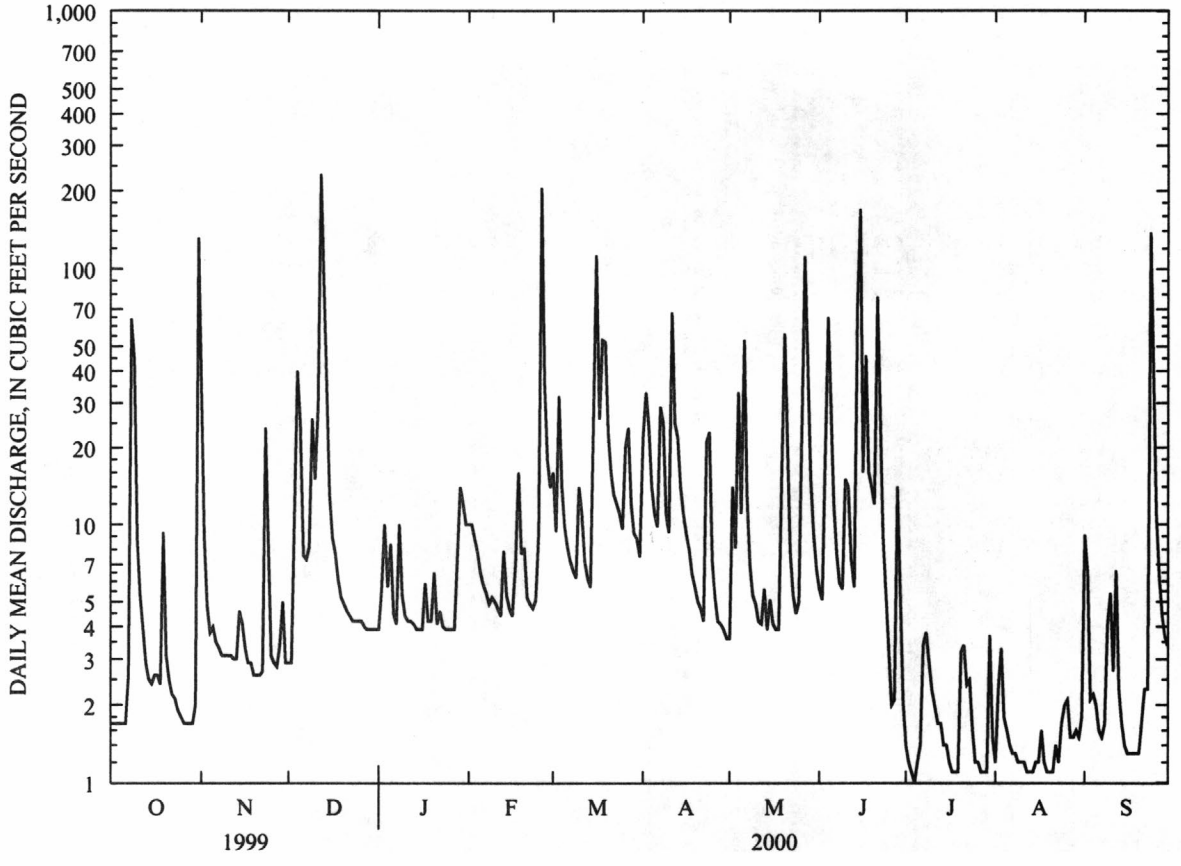
07263580 ROCK CREEK AT 36TH STREET AT LITTLE ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

MEAN	30.5	39.1	35.5	39.6	46.6	54.6	35.4	14.1	21.9	11.2	8.85	18.1
MAX	42.8	92.2	55.6	89.7	83.5	106	69.8	17.1	45.3	18.4	22.5	32.4
(WY)	1997	1997	1998	1998	1998	1997	1997	2000	1997	1998	1998	1997
MIN	10.3	5.71	19.0	5.76	14.2	18.8	14.8	12.3	7.03	1.82	1.48	4.27
(WY)	2000	2000	2000	2000	1999	2000	2000	1999	1998	2000	2000	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	5988.0		4323.9			
ANNUAL MEAN	16.4		11.8		29.5	
HIGHEST ANNUAL MEAN					46.8	1997
LOWEST ANNUAL MEAN					11.8	2000
HIGHEST DAILY MEAN	267	Jan 2	233	Dec 12	723	Feb 10 1998
LOWEST DAILY MEAN	1.7	Oct 1	1.0	Jul 4	.05	Oct 19 1996
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 30	1.2	Aug 9	.08	Oct 14 1996
INSTANTANEOUS PEAK FLOW			926	Jun 15	[a]4650	Oct 27 1996
INSTANTANEOUS PEAK STAGE			4.31	Jun 15	7.47	Oct 27 1996
INSTANTANEOUS LOW FLOW			.95	Jul 4	.05	Oct 18 1996
ANNUAL RUNOFF (AC-FT)	11880		8580		21370	
ANNUAL RUNOFF (CFSM)	.80		.58		1.44	
ANNUAL RUNOFF (INCHES)	10.87		7.85		19.55	
10 PERCENT EXCEEDS	36		25		69	
50 PERCENT EXCEEDS	6.0		4.6		6.7	
90 PERCENT EXCEEDS	2.3		1.4		1.1	

[a]From rating curve extended above 1,400 ft^3/s



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
NOV												
08...	0900	80020	80513	2720	766	67	6.3	7.6	642	17.9	170	60
DEC												
06...	1030	80020	80513	28800	782	82	8.8	8.3	752	13.3	180	60
JAN												
24...	0830	80020	80513	20900	760	86	10.2	7.3	645	7.7	140	51
MAR												
20...	0905	80020	80513	59400	771	84	9.1	7.8	635	12.5	150	45
APR												
10...	1330	80020	80513	48300	774	100	10.1	7.7	717	15.9	150	53
MAY												
05...	1430	80020	80513	59100	772	87	7.9	8.2	742	20.7	150	62
JUN												
15...	1330	80020	80513	52000	765	74	5.9	7.5	504	27.1	130	55
JUL												
14...	0800	80020	80513	38800	769	85	6.4	7.4	432	30.6	130	38

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
NOV												
08...	48	13	4.3	2	58	41	114	115	140	0	80	.17
DEC												
06...	50	13	4.3	2	70	46	120	118	144	0	100	.24
JAN												
24...	40	11	3.8	2	65	49	94	93	114	0	97	.17
MAR												
20...	41	11	3.4	2	62	47	103	101	123	0	91	.17
APR												
10...	41	11	2.9	3	76	52	96	94	115	0	120	.24
MAY												
05...	43	12	3.8	3	82	53	95	93	113	0	120	.20
JUN												
15...	36	9.3	3.2	2	47	43	76	76	90	0	65	.19
JUL												
14...	38	8.6	3.4	1	33	35	91	92	112	0	46	.13

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)
NOV											
08...	2.5	71	.308	.72	.84	1.2	.383	.433	.41	.53	1.3
DEC											
06...	2.8	87	.053	.35	.47	.51	--	.161	.30	.42	.63
JAN											
24...	4.8	65	.075	.30	.34	.87	--	.563	.23	.26	.90
MAR											
20...	3.6	65	.056	.33	.58	.74	--	.416	.27	.52	.99
APR											
10...	7.0	63	.062	.39	.56	1.0	--	.648	.32	.50	1.2
MAY											
05...	4.8	75	.085	.41	.69	.66	--	.252	.33	.60	.94
JUN											
15...	5.1	52	.042	.31	.48	.74	.416	.427	.27	.44	.91
JUL											
14...	4.1	48	.050	.33	.49	.61	--	.272	.28	.44	.76

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV											
08...	.40	1.7	.16	.050	.22	.087	.071	.105	.50	2680	365
DEC											
06...	.07	--	--	<.010	.11	.058	.036	.075	.58	33400	430
JAN											
24...	.10	--	--	<.010	.17	.067	.055	.081	.50	20800	369
MAR											
20...	.07	--	--	<.010	.13	.053	.044	.100	.49	58100	362
APR											
10...	.08	--	--	<.010	.17	.068	.057	.127	.55	52500	403
MAY											
05...	.11	--	--	<.010	.14	.057	.047	.109	.57	66700	418
JUN											
15...	.05	1.8	.04	.011	.17	.067	.055	.101	.39	40200	286
JUL											
14...	.06	--	--	<.010	.12	.048	.039	.085	.34	26100	249

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	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)
NOV											
08...	349	2.5	3.5	<1.0	E2	100	<1.0	69	<1.0	<.80	<1.0
DEC											
06...	404	3.9	--	--	E2	--	--	71	--	--	--
JAN											
24...	346	7.2	2.1	<1.0	<2	79	<1.0	50	<1.0	<.80	<1.0
MAR											
20...	339	25	2.4	<1.0	E1	74	<1.0	48	<1.0	<1.0	<1.0
APR											
10...	376	31	--	--	E1	--	--	49	--	--	--
MAY											
05...	399	22	--	--	E1	--	--	54	--	--	--
JUN											
15...	265	19	--	--	E2	--	--	45	--	--	--
JUL											
14...	238	17	--	--	E1	--	--	39	--	--	--

DATE	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)	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)
NOV											
08...	2.5	E5.2	<1.0	7	<1.0	1.7	1.7	<2	<1.0	382	<10
DEC											
06...	--	<10	--	4	--	--	--	<2	--	405	<10
JAN											
24...	2.4	<10	<1.0	8	4.8	1.2	2.0	<2	<1.0	331	<10
MAR											
20...	5.3	10	<1.0	6	1.6	1.1	2.5	<2	<1.0	365	<10
APR											
10...	--	96	--	5	--	--	--	<2	--	364	<10
MAY											
05...	--	<10	--	8	--	--	--	<2	--	365	<10
JUN											
15...	--	<10	--	4	--	--	--	<2	--	281	<10
JUL											
14...	--	<10	--	--	--	--	--	<2	--	263	<10

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)
NOV											
08...	1.6	<.0030	<.0020	<.008	<.0020	.548	<.0020	<.0020	E.0044	<.0030	4.1
DEC											
06...	--	<.0030	<.0020	<.002	<.0020	.523	<.0020	<.0020	<.0030	E.0037	3.8
JAN											
24...	2.5	<.0030	<.0020	.009	<.0020	.360	<.0020	<.0020	<.0030	<.0030	3.9
MAR											
20...	4.6	<.0030	<.0020	.005	<.0020	.295	<.0020	<.0020	<.0030	<.0030	4.2
APR											
10...	--	<.0030	<.0020	<.002	<.0020	.245	<.0020	<.0020	<.0030	<.0030	5.1
MAY											
05...	--	<.0030	<.0020	<.002	<.0020	.170	<.0020	<.0020	<.0030	<.0030	3.9
JUN											
15...	--	<.0030	<.0020	<.002	<.0020	.188	<.0020	<.0020	E.0080	<.0030	4.7
JUL											
14...	--	<.0030	<.0020	.015	<.0020	.452	<.0020	<.0020	<.0030	<.0030	4.6

DATE	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
NOV											
08...	.50	<.0040	<.0040	<.0020	E.0864	115	.007	<.001	<.0170	<.0020	<.0040
DEC											
06...	.40	<.0040	<.0040	<.0020	E.0916	106	<.002	<.001	<.0170	<.0020	<.0040
JAN											
24...	.20	E.0035	<.0040	<.0020	E.0636	108	<.002	<.001	<.0170	<.0020	<.0040
MAR											
20...	.80	<.0040	<.0040	<.0020	E.0498	98.6	E.004	<.001	<.0170	<.0020	<.0040
APR											
10...	.58	<.0040	<.0040	<.0020	E.0359	89.1	<.002	<.001	<.0170	<.0020	<.0040
MAY											
05...	.62	<.0040	<.0040	<.0020	E.0305	91.6	E.004	<.001	<.0170	<.0020	<.0040
JUN											
15...	.69	<.0040	<.0040	<.0020	E.0303	109	.010	<.001	<.0170	<.0020	<.0040
JUL											
14...	.59	<.0040	<.0040	<.0020	E.0586	95.3	E.004	<.001	<.0170	<.0020	<.0040

DATE	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
NOV											
08...	<.0030	<.0030	108	<.004	<.0020	<.005	<.0010	<.0060	.130	<.004	<.0040
DEC											
06...	<.0030	<.0030	84.4	<.004	<.0020	<.005	<.0010	<.0060	.120	<.004	<.0040
JAN											
24...	<.0030	<.0030	97.1	<.004	<.0020	<.005	<.0010	<.0060	.094	<.004	<.0040
MAR											
20...	<.0030	<.0030	78.6	<.004	<.0020	<.005	<.0010	<.0060	.052	<.004	<.0040
APR											
10...	<.0030	<.0030	76.6	<.004	<.0020	<.005	<.0010	<.0060	.038	<.004	<.0040
MAY											
05...	<.0030	<.0030	90.8	<.004	<.0020	<.005	<.0010	<.0060	.021	<.004	<.0040
JUN											
15...	<.0030	<.0030	105	<.004	<.0020	<.005	<.0010	<.0060	.050	<.004	<.0040
JUL											
14...	<.0030	<.0030	93.7	<.004	<.0020	<.005	<.0010	<.0060	.114	<.004	.0099

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	PRO-METON, WATER, DISS, REC (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROP-CHLOR, WATER, DISS, REC (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (82679)
NOV											
08...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0120	<.0030	<.0070	<.0040
DEC											
06...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0122	<.0030	<.0070	<.0040
JAN											
24...	<.0030	<.0060	<.010	<.0040	<.0040	<.0050	<.0020	E.0092	<.0030	<.0070	<.0040
MAR											
20...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0073	<.0030	<.0070	<.0040
APR											
10...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0052	<.0030	<.0070	<.0040
MAY											
05...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0093	<.0030	<.0070	<.0040
JUN											
15...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0121	<.0030	<.0070	<.0040
JUL											
14...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0099	<.0030	<.0070	<.0040

DATE	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	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-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV											
08...	<.0130	.106	.0240	<.0070	<.0130	<.0020	<.0010	.0044	51	7	84
DEC											
06...	<.0130	.0489	.0275	<.0070	<.0130	<.0020	<.0010	<.0020	933	12	91
JAN											
24...	<.0130	.0371	E.0167	<.0070	<.0130	<.0020	<.0010	<.0020	564	10	93
MAR											
20...	<.0130	.119	.0205	<.0070	<.0130	<.0020	<.0010	<.0020	3370	21	96
APR											
10...	<.0130	.0164	.0335	<.0070	<.0130	<.0020	<.0010	<.0020	6260	48	99
MAY											
05...	<.0130	.0219	.0401	<.0070	<.0130	<.0020	<.0010	<.0020	14200	89	44
JUN											
15...	<.0130	.0229	.0648	<.0070	<.0130	<.0020	<.0010	<.0020	2810	20	94
JUL											
14...	<.0130	.0169	.0292	<.0070	<.0130	<.0020	<.0010	<.0020	1780	17	91

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
AUG												
17...	1405	4120	170	71	46	12	4.5	2	65	45	96	96

DATE	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
AUG												
17...	117	0	99	.23	.19	77	<.020	.29	.56	<.050	<.010	.07

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
AUG 17...	.035	.024	.078	.53	4330	389	362	4.5	9.4	<1.0	2	86

DATE	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)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
AUG 17...	<1.0	68	<1.0	<.80	<1.0	4.9	<10	<1.0	7	<1.0	1.5	1.1

DATE	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
AUG 17...	<2	<1.0	368	<10	1.5	<.0030	<.0020	.007	<.0020	.693	<.0020	<.0020

DATE	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
AUG 17...	<.0030	<.0030	4.3	1.5	<.0040	<.0040	<.0020	E.0805	98.3	.004	<.001	<.0170

DATE	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	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)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
AUG 17...	<.0020	<.0040	<.0030	<.0030	99.2	<.004	<.0020	<.005	<.0010	<.0060	.131	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	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)
AUG 17...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0129	<.0030	<.0070	<.0040

DATE	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	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-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
AUG 17...	<.0130	.0158	.0211	<.0070	<.0130	<.0020	<.0010	<.0020	245	22	81

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
SEP 11...	1345	80020	80513	3400	764	112	8.6	8.0	686	29.5	170	61

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
SEP 11...	46	13	4.6	2	72	48	109	108	132	0	95	.24

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
SEP 11...	.42	76	<.020	.31	.59	<.050	<.010	.10	.043	.031	.085	.52

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	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)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)
SEP 11...	3530	385	373	10	7.6	<1.0	3	86	<1.0	72	<1.0	<.80

DATE	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)	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)
SEP 11...	<1.0	2.1	<10	<1.0	6	<1.0	1.7	1.4	<2	<1.0	404	<10

DATE	ZINC, DISSOLVED (UG/L AS ZN) (01090)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)
SEP 11...	1.5	<.0030	<.0020	E.004	<.0020	.544	<.0020	<.0020	<.0030	<.0030	4.8

DATE	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
SEP 11...	.73	<.0040	<.0040	<.0020	E.0917	106	E.002	<.001	<.0170	<.0020	<.0040

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
SEP											
11...	<.0030	<.0030	100	<.004	<.0020	E.003	<.0010	<.0060	.100	<.004	<.0040

DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	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)
SEP											
11...	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0154	<.0030	<.0070	<.0040

DATE	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	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-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP											
11...	<.0130	.0136	.0240	<.0070	<.0130	<.0020	<.0010	<.0020	92	10	96

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.--No estimated daily discharges. Records good except flows below 10 ft^3/s 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

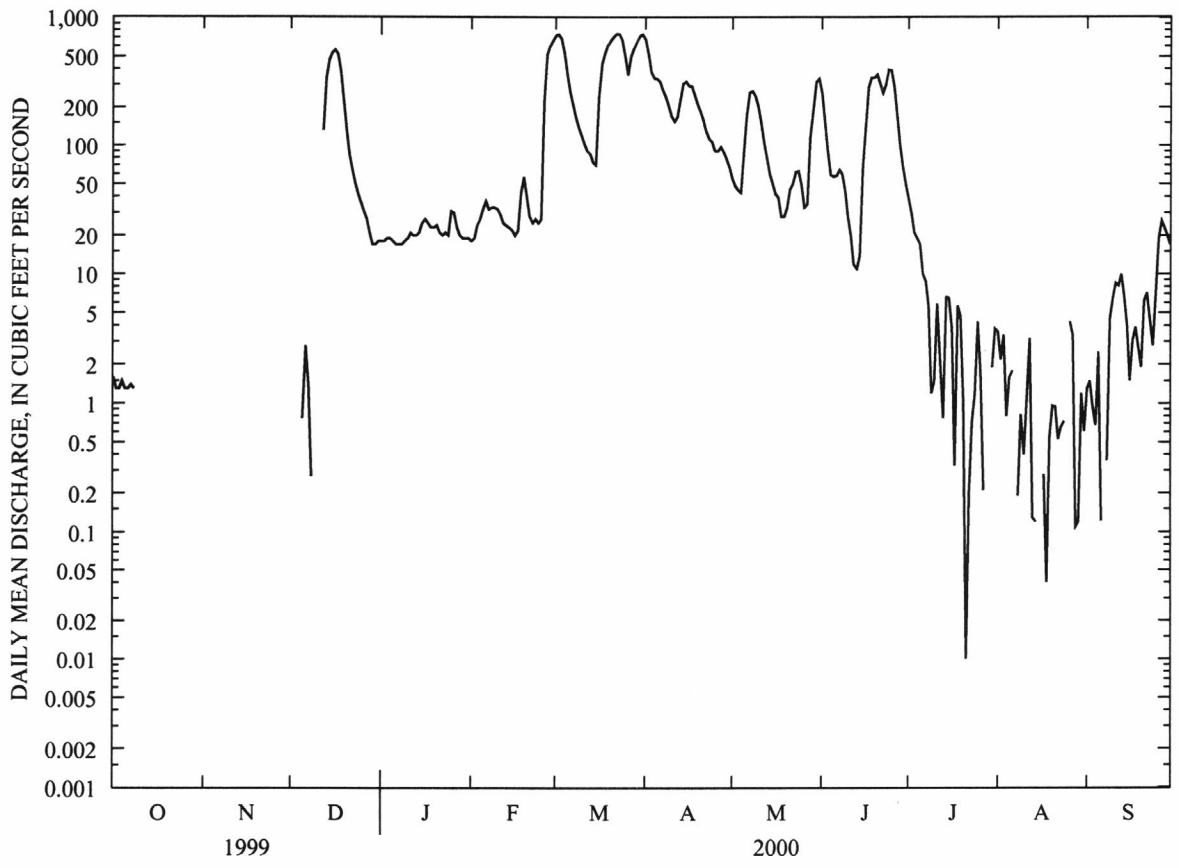
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	.00	.00	18	18	723	673	55	260	39	3.6	1.3
2	1.3	.00	.00	18	19	738	521	48	156	30	2.2	1.5
3	1.3	.00	.00	19	24	680	375	45	90	21	3.4	.94
4	1.5	.00	.00	19	27	535	337	43	59	19	.80	.68
5	1.3	.00	.77	18	32	364	336	81	57	17	1.6	2.5
6	1.3	.00	2.8	17	37	263	315	176	58	10	1.8	.12
7	1.4	.00	1.4	17	32	208	271	262	65	8.8	.00	.00
8	1.3	.00	.27	17	33	165	239	267	60	5.7	.19	.36
9	.00	.00	.00	18	33	138	203	243	45	1.2	.82	4.5
10	.00	.00	.00	19	32	118	169	202	28	1.5	.40	6.5
11	.00	.00	.00	21	29	102	154	150	20	5.9	.97	8.5
12	.00	.00	131	20	25	90	170	106	12	2.2	3.2	8.2
13	.00	.00	343	20	24	86	229	80	11	.77	.13	10
14	.00	.00	469	21	23	74	308	60	14	6.6	.12	6.7
15	.00	.00	535	25	22	70	318	50	65	6.5	.00	4.1
16	.00	.00	562	27	20	238	293	42	143	3.8	.00	1.5
17	.00	.00	518	25	22	437	292	39	285	.33	.28	3.1
18	.00	.00	382	23	43	532	247	28	341	5.7	.04	3.9
19	.00	.00	233	23	57	612	210	28	342	4.7	.54	2.7
20	.00	.00	133	24	40	664	184	33	361	.99	.96	1.9
21	.00	.00	85	21	28	709	157	46	307	.01	.95	6.2
22	.00	.00	65	20	25	746	128	51	258	.20	.53	7.1
23	.00	.00	51	21	27	740	113	62	303	.72	.66	4.4
24	.00	.00	42	20	25	661	107	63	393	1.2	.73	2.8
25	.00	.00	36	31	27	502	90	49	390	4.3	.00	6.8
26	.00	.00	31	30	221	359	90	33	288	1.7	4.3	19
27	.00	.00	27	23	517	501	98	35	175	.21	3.4	26
28	.00	.00	21	20	605	575	89	116	100	.00	.11	23
29	.00	.00	17	19	662	644	79	194	68	.00	.12	20
30	.00	.00	17	19	---	720	67	316	50	1.9	1.2	17
31	.00	---	18	19	---	741	---	336	---	3.8	.61	---
TOTAL	11.00	0.00	3721.24	652	2729	13735	6862	3339	4804	204.73	33.66	201.30
MEAN	.35	.000	120	21.0	94.1	443	229	108	160	6.60	1.09	6.71
MAX	1.6	.00	562	31	662	746	673	336	393	39	4.3	26
MIN	.00	.00	.00	17	18	70	67	28	11	.00	.00	.00
AC-FT	22	.00	7380	1290	5410	27240	13610	6620	9530	406	67	399

07264000 BAYOU METO NEAR LONOKE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	61.7	239	452	415	494	548	507	432	157	56.5	47.4	66.4
MAX	775	1394	1451	1515	1680	1283	1517	1698	1191	482	402	391
(WY)	1985	1958	1974	1991	1956	1997	1973	1968	1974	1960	1966	1978
MIN	.35	.000	2.87	21.0	65.2	166	64.5	23.6	2.28	1.28	1.09	1.84
(WY)	2000	2000	1955	2000	1972	1972	1960	1988	1988	1980	2000	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	64306.74		36292.93			
ANNUAL MEAN	176		99.2		289	
HIGHEST ANNUAL MEAN					550	1973
LOWEST ANNUAL MEAN					95.2	1963
HIGHEST DAILY MEAN	1080	Jan 8	746	Mar 22	5570	Dec 29 1987
LOWEST DAILY MEAN	.00	Oct 9	.00	Oct 9	.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 9	.00	Oct 9	.00	Oct 18 1954
INSTANTANEOUS PEAK FLOW			754	Mar 22	5750	Dec 29 1987
INSTANTANEOUS PEAK STAGE			14.47	Mar 22	27.11	Dec 29 1987
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	127600		71990		209100	
10 PERCENT EXCEEDS	673		341		860	
50 PERCENT EXCEEDS	36		20		83	
90 PERCENT EXCEEDS	.00		.00		6.0	



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 mi², of which 5,936 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft above 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.--No estimted daily discharges. Water-discharge records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1620	1500	1870	2040	3190	7410	3900	2900	4370	8740	5650	2870
2	1500	1760	1640	2060	3340	7310	5530	3410	3450	6690	5730	2020
3	1370	1840	1540	2580	3370	7530	7230	3660	3420	6270	4860	2830
4	1350	1900	1550	2720	3200	7770	8960	5460	4430	7240	3050	4180
5	1470	1890	1420	2790	2900	7560	11000	12100	6160	8040	2260	4540
6	1540	1660	1360	2670	3400	6780	13200	17300	5830	5630	4020	4430
7	1580	1420	1620	2220	4260	6460	13500	18900	5980	3890	5350	3630
8	1680	1410	1960	1960	4580	6620	11700	17300	7130	3440	5590	2620
9	1560	1640	2700	2070	4440	5520	11200	15600	6530	4360	5770	1940
10	1360	1750	2790	2830	4100	4170	12100	15200	6170	3590	6310	1930
11	1280	1800	2170	3320	3530	4270	9620	15400	6440	4610	4540	2750
12	1340	1790	2110	3380	3020	4900	6220	14500	6000	6520	2550	3500
13	1430	1610	3010	3230	3030	4470	5360	12400	6130	5390	4980	3310
14	1470	1350	3850	2800	3250	3980	6540	11200	6680	3400	7720	3060
15	1480	1290	11200	2690	3260	4920	11100	9390	9400	3100	6290	2480
16	1440	1530	14700	2950	3180	5060	16900	7600	13500	4700	4990	1840
17	1320	1680	12800	3390	3050	4020	17600	5980	12800	4790	4300	1830
18	1250	1720	10300	3560	2600	3070	16600	4640	13200	4730	2870	2590
19	1340	1740	8000	3520	2350	2760	14600	4670	14000	4710	2170	2830
20	1610	1570	7010	3290	2340	2710	11600	7850	13500	4270	3290	2890
21	2010	1320	6780	2650	2770	2640	7820	13000	12000	2890	4320	2890
22	2210	1190	6530	2120	2760	2780	6270	14700	15800	2320	4510	2380
23	1830	1230	5920	2260	2700	2710	5940	13600	19400	4170	4590	1790
24	1490	1510	5050	2850	2640	2380	5600	11500	20400	5080	4270	1680
25	1500	1740	3820	2840	2350	2170	5340	9140	17700	4150	2900	2070
26	1730	1850	3410	2830	2470	2030	5130	7000	15800	4190	2100	2100
27	1810	1780	3450	2920	3770	1950	4110	6250	16700	4530	2750	2060
28	1840	1660	3290	2560	6960	2220	3150	6900	18800	2960	4030	2060
29	1790	1890	3180	2060	7790	3530	2580	5900	17800	2260	4300	2080
30	1590	1960	2950	2010	---	3880	2490	5080	13800	4050	4500	1840
31	1450	---	2440	2790	---	3470	---	4920	---	5380	4210	---
TOTAL	48240	48980	140420	83960	100600	137050	262890	303450	323320	146090	134770	79020
MEAN	1556	1633	4530	2708	3469	4421	8763	9789	10780	4713	4347	2634
MAX	2210	1960	14700	3560	7790	7770	17600	18900	20400	8740	7720	4540
MIN	1250	1190	1360	1960	2340	1950	2490	2900	3420	2260	2100	1680
AC-FT	95680	97150	278500	166500	199500	271800	521400	601900	641300	289800	267300	156700

07337000 RED RIVER AT INDEX--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

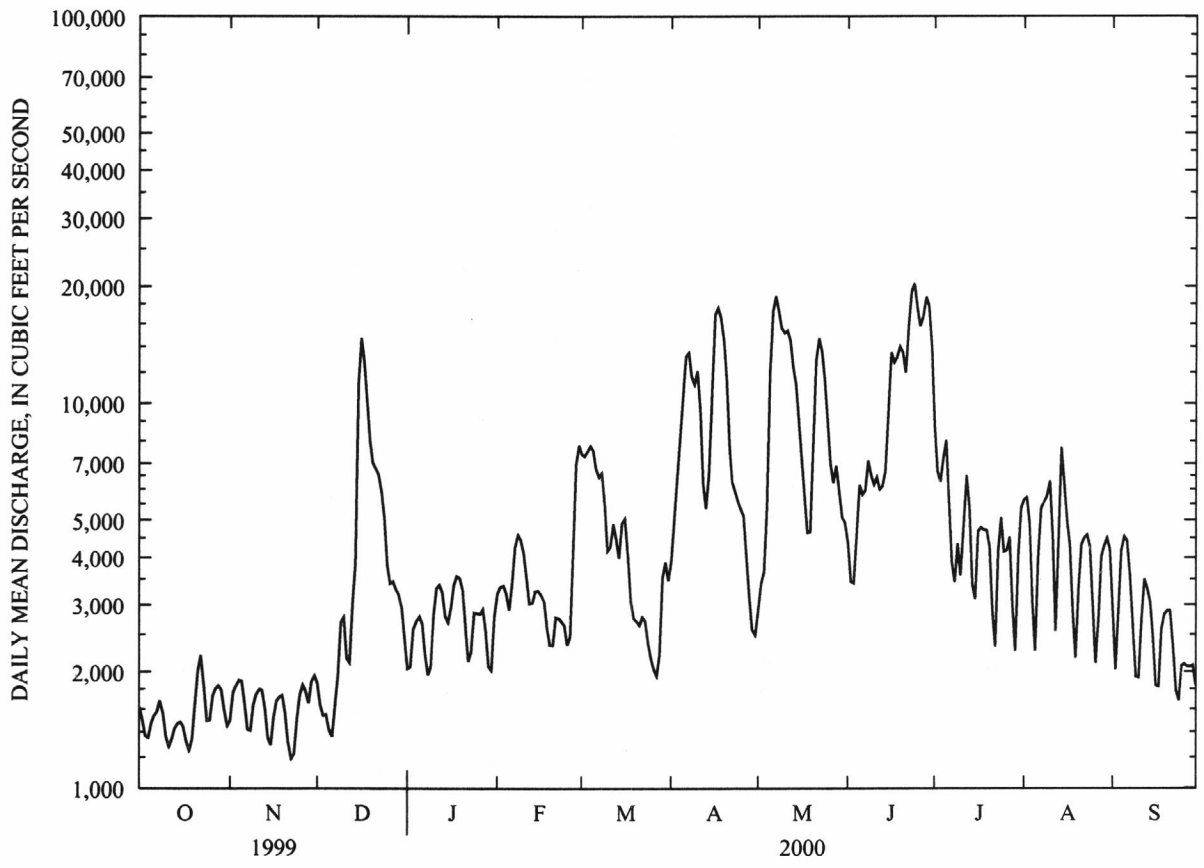
MEAN	8182	10650	11900	11100	13840	16780	17240	23980	22110	9819	5808	5947
MAX	41690	47140	47910	60160	38960	67730	61460	121000	94400	33990	39230	30340
(WY)	1946	1975	1992	1998	1946	1945	1990	1990	1957	1989	1950	1950
MIN	716	642	1206	1360	2127	2233	2096	4199	3098	1162	1025	909
(WY)	1957	1957	1957	1964	1964	1967	1956	1972	1988	1944	1944	1944

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	3133990		1808790			
ANNUAL MEAN	8586		4942		[a]13100	
HIGHEST ANNUAL MEAN					30420	1990
LOWEST ANNUAL MEAN					4383	1964
HIGHEST DAILY MEAN	39500	May 14	20400	Jun 24	268000	May 10 1990
LOWEST DAILY MEAN	1190	Nov 22	1190	Nov 22	384	Nov 28 1956
ANNUAL SEVEN-DAY MINIMUM	1390	Oct 12	1390	Oct 12	397	Oct 19 1956
INSTANTANEOUS PEAK FLOW			21100	Jun 24	[b]270000	May 10 1990
INSTANTANEOUS PEAK STAGE			7.30	Jun 24	[c]32.30	May 10 1990
INSTANTANEOUS LOW FLOW			1140	Nov 23	378	Nov 28 1956
ANNUAL RUNOFF (AC-FT)	6216000		3588000		9489000	
10 PERCENT EXCEEDS	21400		11800		35100	
50 PERCENT EXCEEDS	5380		3400		5900	
90 PERCENT EXCEEDS	1580		1600		2290	

[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. 23, 1938

[c]Maximum gage height for period of record, 34.25 ft Feb. 23, 1938, from graph based on gage readings



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
NOV										
02...	1245	81213	80513	1780	963	767	8.4	86	8.1	1580
JAN										
05...	1415	81213	80513	4260	959	750	12.2	110	8.4	1580

DATE	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV										
02...	16.4	340	87.0	29.0	6.5	4	180	53	240	260
JAN										
05...	9.8	370	94.0	33.0	5.9	4	160	48	240	270

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)
NOV										
02...	.100	.74	.13	.010	.044	.040	.099	.030	.64	.78
JAN										
05...	.080	.95	.10	--	--	<.020	--	<.010	.87	--

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV										
02...	.061	.020	.020	.080	37	100	92	99	124	596
JAN										
05...	.092	.030	.030	.090	32	K6	K2	99	155	1780

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	STREAM WIDTH (FT) (00004)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
JAN								
05...	1420	80513	80513	1.00	380	750	10.1	989
05...	1422	80513	80513	1.00	380	750	9.9	727
05...	1424	80513	80513	1.00	380	750	9.9	765
05...	1426	80513	80513	1.00	380	750	9.8	803
05...	1428	80513	80513	1.00	380	750	9.8	841
05...	1430	80513	80513	1.00	380	750	9.8	879
05...	1432	80513	80513	1.00	380	750	9.8	917
05...	1434	80513	80513	1.00	380	750	9.8	917
05...	1436	80513	80513	1.00	380	750	9.8	993
05...	1438	80513	80513	1.00	380	750	9.8	1030

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
MAR										
01...	1420	81213	80513	7410	420	749	8.9	94	7.8	721
APR										
05...	1155	81213	80513	10200	397	768	8.4	85	8.4	691

DATE	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
MAR										
01...	16.8	180	48.0	14.0	4.2	2	70.0	45	91.0	110
APR										
05...	16.0	160	45.0	12.0	3.8	2	64.0	46	89.0	100

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)
MAR										
01...	.100	1.1	.13	.330	1.46	.340	.033	.010	1.0	1.4
APR										
05...	.090	1.3	.12	--	--	.110	--	<.010	1.2	1.4

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
MAR										
01...	.031	.030	.010	.220	700	480	210	84	391	7820
APR										
05...	.092	.030	.030	.260	170	K230	290	71	553	15200

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DEPTH BOTTOM AT SAMPLE LOCATION, (FEET) (81903)	SAMPLING DEPTH (FEET) (00003)	STREAM WIDTH (FT) (00004)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL							
12...	0650	80513	80513	6.40	3.20	410	762
12...	0652	80513	80513	2.00	1.00	410	762
12...	0654	80513	80513	4.00	2.00	410	762
12...	0656	80513	80513	6.00	3.00	410	762
12...	0658	80513	80513	16.0	8.00	410	762
12...	0700	80513	80513	11.0	5.50	410	762
12...	0702	80513	80513	12.6	6.30	410	762
12...	0704	80513	80513	14.0	7.00	410	762
12...	0706	80513	80513	14.5	7.30	410	762
12...	0708	80513	80513	4.40	2.20	410	762

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)
JUL						
12...	6.0	83	7.7	1210	31.7	680
12...	5.9	81	7.7	1220	31.8	721
12...	5.8	80	7.7	1220	31.8	762
12...	5.8	80	7.7	1220	31.8	803
12...	5.8	80	7.7	1220	31.8	844
12...	5.9	81	7.8	1220	31.8	885
12...	6.0	82	7.8	1220	31.8	926
12...	6.0	82	7.8	1210	31.8	967
12...	6.0	82	7.8	1200	31.8	1010
12...	6.0	82	7.8	1200	31.8	1050

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL									
12...	0645	6320	699	270	72.0	23.0	5.0	3	130

DATE	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
JUL									
12...	50	180	200	.010	2.7	.01	<.020	<.010	2.7

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
JUL									
12...	<.020	<.010	.160	43	38	580	83	250	4270

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)
SEP										
13...	1300	81213	80513	3240	1310	760	6.4	80	7.4	2140

DATE	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
SEP									
13...	26.0	440	110	39.0	6.8	5	260	56	370

07337000 RED RIVER AT INDEX--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
SEP 13...	360	.060	.93	.08	<.020	.066	.020	.87	.031

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
SEP 13...	<.020	.010	.120	K68	K27	K55	99	235	2060

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	29.0	14.9	20.6	23.9	14.0	17.3	14.4	6.2	9.8	13.2	7.7	10.2
2	30.5	14.9	21.1	22.0	10.8	14.7	18.3	10.2	14.5	17.3	13.0	15.2
3	31.1	16.4	22.8	20.4	8.2	13.1	20.7	15.3	18.2	14.7	13.2	14.3
4	24.9	17.4	21.4	22.1	10.5	15.4	22.5	13.2	18.0	13.2	10.2	11.5
5	23.1	12.8	18.0	20.7	14.0	16.5	13.2	7.2	9.6	10.2	8.7	9.3
6	27.0	13.6	19.0	24.3	14.6	18.0	20.3	4.1	8.6	9.0	7.9	8.6
7	27.5	14.3	19.9	26.7	14.1	18.5	18.2	4.5	9.5	10.0	8.4	9.1
8	22.0	20.1	21.1	28.4	13.9	18.4	13.5	7.9	11.0	9.3	8.1	8.6
9	29.0	19.8	22.9	26.9	13.6	18.3	12.7	11.6	12.2	14.9	8.1	10.6
10	32.6	19.3	23.9	26.8	15.4	19.3	12.5	11.1	11.7	11.4	9.8	10.6
11	30.9	19.6	23.8	27.5	15.5	18.8	11.6	9.7	10.5	11.4	9.9	10.6
12	32.0	19.1	23.8	24.0	13.7	17.7	11.3	9.3	10.4	13.1	10.4	11.6
13	---	---	---	26.7	13.5	18.0	11.4	10.7	11.1	12.9	11.7	12.5
14	---	---	---	27.3	13.0	18.7	10.9	9.7	10.3	11.7	10.1	10.7
15	32.5	19.4	24.0	24.4	12.8	17.0	10.0	9.0	9.5	11.3	9.2	10.3
16	32.2	19.9	24.3	27.6	11.4	16.6	9.2	8.6	8.9	12.4	11.1	11.8
17	22.4	16.3	19.1	23.6	11.6	16.3	8.8	8.3	8.6	14.3	12.2	13.2
18	16.7	14.0	15.2	24.9	12.2	17.5	9.4	8.3	8.8	14.9	13.4	14.1
19	20.6	11.2	14.5	20.8	13.3	17.4	9.0	8.3	8.7	14.3	13.5	13.9
20	26.2	11.1	16.3	20.8	11.1	14.3	8.8	8.2	8.5	13.6	11.6	12.6
21	24.6	12.5	17.0	20.0	8.9	15.5	8.2	7.4	7.9	11.6	9.7	10.8
22	20.5	15.0	17.6	21.7	16.7	19.1	8.0	6.8	7.4	12.9	8.8	10.1
23	23.3	13.2	16.5	20.8	11.1	16.2	7.9	6.6	7.3	11.6	7.4	9.7
24	20.6	9.1	13.8	19.9	9.6	12.5	8.3	6.9	7.6	11.2	9.8	10.3
25	24.8	8.7	15.1	12.9	8.8	10.8	8.2	7.1	7.7	9.9	8.7	9.3
26	25.0	12.2	17.6	18.0	7.0	11.0	8.7	7.1	7.8	8.7	6.5	7.7
27	27.2	13.9	18.9	21.2	8.8	12.8	9.0	7.6	8.2	6.5	1.2	3.8
28	26.0	14.2	18.8	21.3	9.2	14.3	8.5	7.4	7.9	1.6	.9	1.3
29	25.6	15.6	19.4	13.1	9.0	10.9	9.1	7.4	8.2	---	---	---
30	21.1	16.2	18.5	13.6	7.0	9.7	10.0	8.4	9.1	---	---	---
31	17.5	15.0	16.1	---	---	---	10.9	8.6	9.6	5.2	2.8	4.0
MONTH	---	---	---	28.4	7.0	15.8	22.5	4.1	9.9	---	---	---

07337000 RED RIVER AT INDEX--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.7	4.4	4.9	17.1	15.4	16.3	18.8	17.2	17.9	23.6	21.5	22.5
2	6.6	4.5	5.4	16.8	15.6	16.0	---	---	---	23.0	21.8	22.4
3	7.7	5.3	6.4	15.6	13.7	14.8	17.1	16.1	16.6	23.2	21.1	22.0
4	8.1	6.5	7.2	13.7	13.0	13.3	16.7	14.7	15.8	21.9	20.7	21.4
5	7.6	6.1	6.9	14.4	12.3	13.4	17.3	15.2	16.2	21.7	20.3	20.7
6	8.5	6.1	7.2	16.1	13.5	14.7	18.1	15.9	16.9	21.1	20.1	20.5
7	9.6	7.9	8.6	17.9	15.3	16.6	19.0	17.4	18.1	22.5	20.8	21.5
8	10.6	8.8	9.6	18.7	17.4	17.9	18.5	16.8	17.8	24.0	22.0	22.9
9	11.5	9.7	10.5	19.6	17.5	18.5	18.2	16.6	17.5	23.7	23.2	23.5
10	13.1	11.1	12.0	19.0	15.9	17.4	17.7	16.7	17.1	23.4	22.4	23.0
11	13.1	12.7	12.9	15.9	14.0	14.8	17.2	16.8	17.0	24.4	22.8	23.5
12	13.3	11.9	12.5	14.7	12.7	13.7	17.0	15.0	16.1	24.9	23.8	24.3
13	14.6	12.4	13.4	15.3	12.9	14.1	15.2	14.4	14.8	25.2	24.0	24.5
14	14.3	12.5	13.3	15.5	14.0	14.7	15.2	14.8	15.0	24.6	22.8	23.8
15	14.7	12.5	13.5	15.4	14.7	15.0	16.0	14.4	15.1	24.6	22.6	23.6
16	15.3	14.1	14.6	16.9	15.2	16.0	17.7	15.7	16.5	24.1	23.0	23.5
17	14.4	13.3	13.9	16.5	14.6	15.4	18.6	16.8	17.7	25.3	23.2	24.1
18	16.4	12.4	15.2	15.4	13.8	14.5	20.1	18.2	19.0	25.6	24.0	24.7
19	14.0	10.4	12.1	14.9	12.6	13.6	21.5	19.5	20.4	25.3	23.3	24.1
20	14.8	8.6	12.3	15.2	11.6	13.5	21.9	20.6	21.3	23.3	22.0	22.6
21	15.0	12.9	13.9	14.5	13.6	14.1	22.0	20.0	21.1	23.6	22.2	22.8
22	16.2	13.5	14.8	17.2	14.1	15.4	21.7	20.0	21.0	25.3	22.7	23.9
23	17.7	14.9	16.2	18.6	15.8	17.1	21.3	20.2	20.6	26.7	24.1	25.3
24	18.3	16.5	17.4	21.1	17.6	19.2	21.8	19.7	20.7	28.1	25.5	26.7
25	19.2	17.3	18.0	20.5	18.2	19.3	22.6	20.1	21.3	29.0	27.0	28.0
26	17.8	15.5	16.4	22.3	18.2	19.9	23.0	21.0	22.0	29.3	27.6	28.5
27	16.6	14.6	15.6	22.1	16.2	18.9	22.4	21.1	21.8	29.2	27.7	28.5
28	16.4	14.6	15.6	25.7	16.8	21.3	23.4	20.7	21.9	29.6	27.3	28.4
29	16.4	15.0	15.7	22.0	19.7	20.3	22.7	21.2	22.0	29.9	27.1	28.6
30	---	---	---	19.7	19.0	19.5	23.5	20.3	22.0	30.2	27.6	29.0
31	---	---	---	20.0	17.9	18.9	---	---	---	30.8	28.5	29.6
MONTH	19.2	4.4	12.3	25.7	11.6	16.4	---	---	---	30.8	20.1	24.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	30.7	28.9	29.8	28.2	26.7	27.4	31.5	29.2	30.4	32.1	29.5	31.2
2	30.9	28.9	29.7	28.8	27.2	27.9	32.0	29.7	30.8	31.8	26.5	29.6
3	29.7	27.9	28.9	30.1	27.7	28.8	32.5	30.1	31.2	32.7	28.0	30.7
4	27.9	25.4	26.8	30.5	28.4	29.5	32.5	30.3	31.4	32.5	30.2	31.4
5	26.5	24.5	25.4	31.3	28.9	30.1	32.2	28.5	30.8	31.7	28.6	30.0
6	26.2	23.9	25.1	31.7	29.3	30.5	32.4	30.2	31.3	28.6	26.7	27.8
7	26.4	24.1	25.3	32.7	30.2	31.4	32.6	30.3	31.4	28.4	27.0	27.6
8	27.5	24.6	26.0	33.9	30.9	32.2	32.5	30.3	31.5	27.2	24.5	26.2
9	26.9	25.7	26.3	34.2	31.9	32.9	32.3	30.6	31.5	26.5	24.0	25.2
10	26.9	25.6	26.1	33.7	31.8	32.8	32.8	30.6	31.7	29.2	24.5	26.6
11	27.0	25.7	26.4	33.3	31.3	32.3	33.2	30.9	32.1	29.8	26.9	28.3
12	28.5	25.9	27.1	33.3	31.2	32.3	32.1	30.4	31.1	29.1	26.3	27.5
13	29.4	26.8	28.0	33.7	31.5	32.5	31.3	29.7	30.6	27.2	25.5	26.2
14	28.7	27.2	28.0	33.9	30.9	32.3	31.2	29.2	30.3	29.2	26.1	27.4
15	28.0	26.9	27.4	34.6	31.5	32.9	31.8	29.3	30.6	28.5	23.2	26.5
16	27.9	26.1	27.0	34.4	32.0	33.2	32.4	30.1	31.2	24.6	19.0	21.6
17	28.1	26.8	27.4	34.3	32.3	33.4	33.0	30.7	31.8	24.9	15.9	21.3
18	27.3	26.6	26.8	34.1	32.1	33.1	32.7	30.8	31.7	25.7	21.4	23.8
19	27.4	26.2	26.8	34.1	32.1	33.1	33.1	28.3	30.5	26.0	23.5	24.6
20	28.1	26.3	27.1	33.8	32.0	33.0	32.8	30.4	31.5	27.1	24.5	25.7
21	27.7	25.5	26.9	32.9	30.7	31.7	32.6	30.4	31.5	26.1	23.4	24.6
22	26.2	24.8	25.4	31.1	26.0	29.0	32.4	30.2	31.2	26.1	23.8	24.7
23	27.0	25.4	26.1	30.4	28.2	29.3	32.4	30.2	31.3	30.2	24.4	26.9
24	27.6	26.2	26.9	30.1	28.0	29.1	32.7	30.3	31.4	26.5	20.1	24.2
25	29.0	27.1	28.0	29.8	27.8	28.9	32.8	30.6	31.5	20.1	16.8	18.0
26	29.2	28.1	28.6	30.5	27.8	29.0	32.9	28.6	30.5	21.3	15.2	18.0
27	29.0	28.1	28.5	30.5	28.6	29.5	32.2	28.6	30.5	24.1	15.9	19.5
28	28.5	27.9	28.2	31.0	28.7	29.7	32.0	29.9	30.9	25.3	17.1	20.5
29	28.5	27.4	27.9	30.7	27.2	29.3	32.0	29.6	30.8	24.4	17.8	20.5
30	28.1	27.4	27.6	31.0	28.6	29.8	32.4	29.9	31.1	26.1	17.2	20.9
31	---	---	---	31.2	28.9	30.1	32.7	30.3	31.5	---	---	---
MONTH	30.9	23.9	27.2	34.6	26.0	30.9	33.2	28.3	31.1	32.7	15.2	25.2

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	204	254	493	354	3200	3320	1370	5610	7950	813	2000
2	366	201	272	405	823	2930	3130	2190	5940	4720	811	1880
3	391	199	463	339	1530	3100	3160	3620	4730	5320	882	1240
4	256	199	545	292	1900	3360	4670	5080	1630	5980	843	1250
5	271	197	449	309	2680	2800	4650	5880	2510	5410	819	1330
6	230	195	376	308	2130	2380	3480	9280	5500	5730	813	1460
7	245	195	594	307	1840	2180	3770	9620	5760	3220	810	1670
8	237	197	384	354	1920	2060	2500	6920	5730	2760	1000	1550
9	254	417	585	759	2090	2230	927	5880	5650	1740	1110	1150
10	408	236	543	994	2250	2470	502	4940	5540	1180	1240	1040
11	250	202	450	987	1810	2800	671	4460	3900	2360	1140	1030
12	252	197	1160	1200	1670	2070	3480	4690	6340	2650	802	1690
13	347	197	5550	1200	1080	1930	4500	3750	8100	2080	706	1780
14	250	195	5350	1140	815	2280	4610	1680	7490	2230	687	1640
15	201	197	2830	945	1300	2040	3660	957	9380	2220	685	1070
16	224	196	3170	748	1690	2750	2670	861	11700	1220	1070	786
17	216	195	3560	675	1320	2320	2300	1060	10200	859	1280	748
18	198	195	4860	694	1120	2290	2460	1390	11700	1920	1440	844
19	197	246	3700	670	761	2510	3600	5910	14500	2660	915	727
20	195	318	2950	671	495	2470	3320	9270	11400	1170	724	1260
21	194	246	2840	768	495	2360	2300	5320	12400	898	686	1220
22	194	209	2580	542	443	1960	981	5240	18100	1170	667	802
23	192	231	1460	394	431	1430	566	6130	18100	1040	686	1050
24	193	395	829	294	440	802	1410	5150	14400	1010	930	1250
25	192	313	619	329	575	691	1480	4290	13900	920	730	840
26	191	267	488	264	4310	1380	1300	2720	11900	857	688	573
27	191	252	396	346	8360	2190	1520	2410	11700	847	675	737
28	235	242	438	370	4660	3760	2070	2210	12800	827	669	574
29	235	211	339	356	3270	4770	1370	2430	13400	829	1070	525
30	198	210	383	323	---	5300	1370	2260	12900	831	1810	618
31	209	---	570	325	---	4970	---	3580	---	825	1010	---
TOTAL	7488	6954	48987	17801	52562	79783	75747	130548	282910	73433	28211	34334
MEAN	242	232	1580	574	1812	2574	2525	4211	9430	2369	910	1144
MAX	408	417	5550	1200	8360	5300	4670	9620	18100	7950	1810	2000
MIN	191	195	254	264	354	691	502	861	1630	825	667	525
AC-FT	14850	13790	97170	35310	104300	158200	150200	258900	561200	145700	55960	68100

07340000 LITTLE RIVER NEAR HORATIO--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2000, BY WATER YEAR (WY)

MEAN	2174	4390	6320	4760	5570	6719	5537	6199	4301	1740	1151	1472
MAX	9360	15960	17120	15890	12390	15020	16250	16790	14180	8397	3542	10430
(WY)	1985	1975	1972	1998	1989	1997	1973	1990	1990	1983	1992	1974
MIN	242	232	244	493	669	665	1449	530	346	281	411	303
(WY)	2000	2000	1990	1981	1996	1996	1981	1988	1988	1972	1977	1977

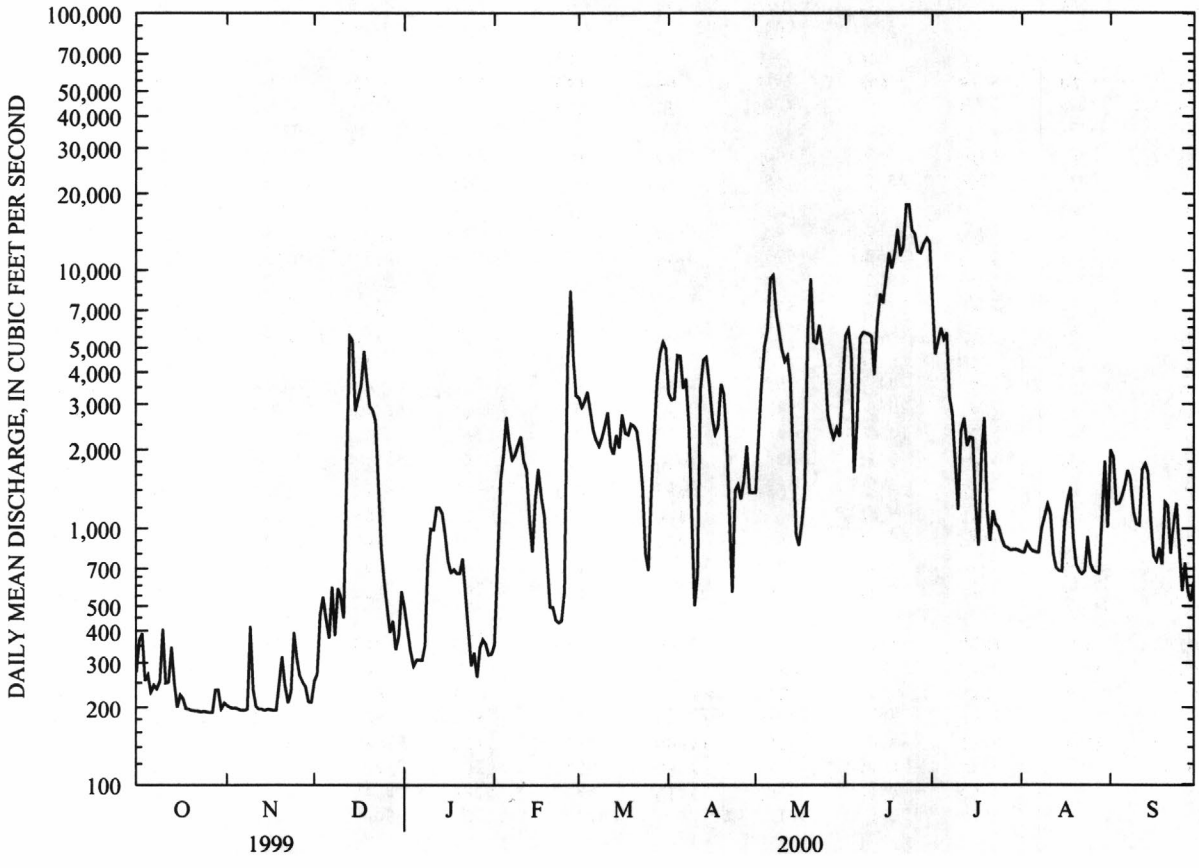
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1969 - 2000	
ANNUAL TOTAL	1144973		838758			
ANNUAL MEAN	3137		2292		[a]4187	
HIGHEST ANNUAL MEAN					7523	1973
LOWEST ANNUAL MEAN					1547	1976
HIGHEST DAILY MEAN	15000	May 14	18100	Jun 22	57700	Dec 12 1971
LOWEST DAILY MEAN	191	Oct 26	191	Oct 26	[b]121	Oct 5 1972
ANNUAL SEVEN-DAY MINIMUM	192	Oct 21	192	Oct 21	152	Oct 4 1972
INSTANTANEOUS PEAK FLOW			19900	Jun 22	[c]65100	Dec 10 1971
INSTANTANEOUS PEAK STAGE			22.55	Jun 22	[d]32.84	Dec 10 1971
ANNUAL RUNOFF (AC-FT)	2271000		1664000		3033000	
10 PERCENT EXCEEDS	9180		5570		12400	
50 PERCENT EXCEEDS	1670		1140		1820	
90 PERCENT EXCEEDS	233		234		357	

[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 benchmark 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 except estimated daily discharges, which are fair. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	87	28	39	90	190	115	44	89	78	13	6.6
2	15	51	27	43	167	146	113	44	72	65	12	8.3
3	14	39	455	67	173	216	99	46	80	56	11	7.1
4	14	33	536	68	237	195	85	69	494	48	10	6.9
5	13	29	603	62	187	163	76	68	527	42	9.4	6.6
6	13	26	246	58	150	136	73	150	246	37	8.6	6.3
7	15	24	154	55	130	113	70	117	150	34	8.2	6.3
8	205	23	111	138	126	103	63	86	103	32	7.6	6.5
9	81	22	305	220	114	90	56	66	80	35	8.1	7.4
10	42	21	422	169	103	133	53	56	86	30	9.4	8.2
11	30	21	339	128	90	304	129	47	88	27	10	8.2
12	25	20	2840	104	77	231	353	42	92	25	15	7.9
13	22	20	928	88	70	183	232	39	76	24	16	7.1
14	20	19	421	72	64	148	178	33	72	23	16	6.6
15	18	19	254	64	57	123	146	30	243	22	14	6.3
16	17	19	175	62	52	107	121	29	188	21	11	5.9
17	17	19	135	60	48	92	99	31	134	20	e11	5.8
18	17	18	108	56	120	90	84	320	2910	19	e11	5.8
19	19	18	91	54	177	87	75	1670	628	17	e10	5.8
20	20	18	79	51	125	81	68	503	328	16	e10	5.8
21	17	18	68	47	99	76	59	266	1800	18	e9.6	5.6
22	16	18	61	45	84	70	53	168	1220	26	e9.6	5.8
23	16	246	56	44	90	65	53	118	561	25	e9.3	6.1
24	15	137	52	42	85	72	61	89	306	19	e9.2	47
25	15	79	49	40	187	702	49	73	190	17	9.1	41
26	15	57	47	39	2990	625	43	77	139	16	8.4	22
27	15	46	45	44	884	673	42	479	191	15	7.4	17
28	15	39	44	50	420	380	40	868	131	14	7.2	15
29	15	34	43	45	268	250	37	340	127	15	6.7	13
30	18	30	41	44	---	181	37	191	95	15	6.0	13
31	85	---	41	51	---	138	---	124	---	15	6.0	---
TOTAL	873	1250	8804	2149	7464	6163	2762	6283	11446	866	309.8	320.9
MEAN	28.2	41.7	284	69.3	257	199	92.1	203	382	27.9	9.99	10.7
MAX	205	246	2840	220	2990	702	353	1670	2910	78	16	47
MIN	13	18	27	39	48	65	37	29	72	14	6.0	5.6
AC-FT	1730	2480	17460	4260	14800	12220	5480	12460	22700	1720	614	637
CFSM	.31	.47	3.17	.77	2.87	2.22	1.03	2.26	4.26	.31	.11	.12
IN.	.36	.52	3.66	.89	3.10	2.56	1.15	2.61	4.75	.36	.13	.13

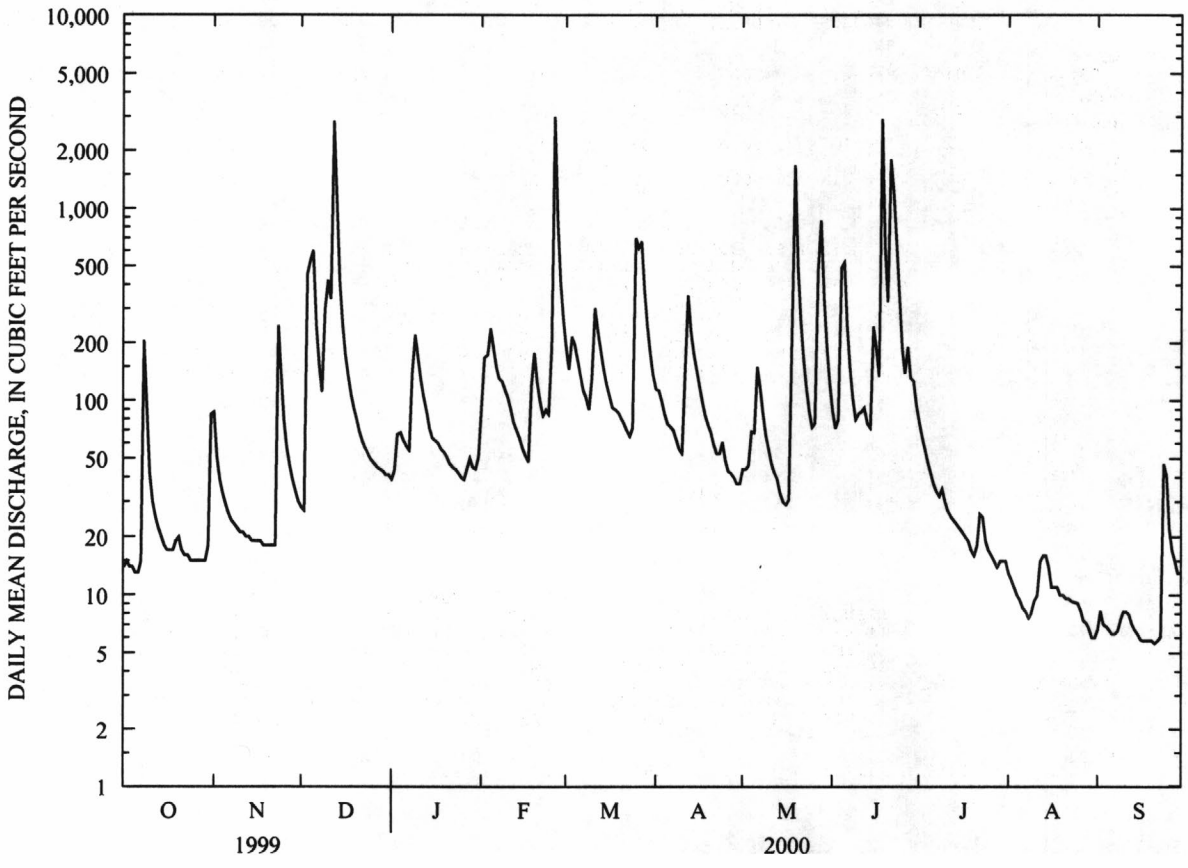
07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

MEAN	129	227	318	226	242	352	282	251	149	84.8	27.9	56.1
MAX	899	878	1105	624	524	860	799	827	426	565	65.1	376
(WY)	1985	1997	1972	1969	1997	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	10.7
(WY)	1979	1990	1990	1981	1996	1986	1987	1988	1972	1978	1972	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	55229		48690.7			
ANNUAL MEAN	151		133		196	
HIGHEST ANNUAL MEAN					358	1973
LOWEST ANNUAL MEAN					86.3	1996
HIGHEST DAILY MEAN	3380	Jun 26	2990	Feb 26	15800	Dec 9 1971
LOWEST DAILY MEAN	11	Aug 1	5.6	Sep 21	5.6	Sep 21 2000
ANNUAL SEVEN-DAY MINIMUM	12	Aug 1	5.8	Sep 16	5.8	Sep 16 2000
INSTANTANEOUS PEAK FLOW			9890	Jun 18	[a]32000	Dec 2 1982
INSTANTANEOUS PEAK STAGE			12.18	Jun 18	19.50	Dec 2 1982
INSTANTANEOUS LOW FLOW			5.5	Sep 17,21-22	5.5	Sep 17,21-22 2000
ANNUAL RUNOFF (AC-FT)	109500		96580		141600	
ANNUAL RUNOFF (CFSM)	1.69		1.48		2.18	
ANNUAL RUNOFF (INCHES)	22.93		20.22		29.65	
10 PERCENT EXCEEDS	340		251		403	
50 PERCENT EXCEEDS	52		52		66	
90 PERCENT EXCEEDS	15		9.4		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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV										
03...	0740	81213	80513	43	752	86	9.8	8.1	45	8.8
JAN										
06...	0945	81213	80513	50	740	97	12.5	5.9	43	3.4
MAR										
02...	0820	81213	80513	134	734	95	10.0	5.9	30	11.2
APR										
06...	0745	81213	80513	70	746	89	9.0	7.9	37	14.0

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
NOV										
03...	16	4.6	1.2	.80	.2	1.7	17	17	1.8	3.8
JAN										
06...	14	3.9	1.1	.50	.2	1.7	20	18	1.6	3.4
MAR										
02...	9	2.1	.90	.60	.2	1.3	23	8	1.5	2.8
APR										
06...	12	3.0	1.0	.60	.1	.80	12	11	1.5	2.9

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
NOV										
03...	.010	<.20	<.020	.01	<.010	.06	<.020	.020	<.020	.04
JAN										
06...	.010	<.20	<.020	.01	<.010	.09	.030	.030	.030	.04
MAR										
02...	.020	<.20	.070	.03	<.010	--	<.020	<.010	<.020	.03
APR										
06...	.010	<.20	<.020	.01	<.010	.06	<.020	.020	<.020	.03

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
03...	3.02	26	24	K9	27	100	1.0	9	52
JAN									
06...	3.78	28	23	K7	K12	39	.94	7	82
MAR									
02...	7.24	20	14	27	29	150	2.2	6	93
APR									
06...	4.72	25	16	K37	K12	K32	1.5	8	80

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
JUL										
11...	1100	81213	80513	29	750	96	7.2	7.1	48	28.9

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL 11...	17	4.5	1.3	.80	.2	1.8	18	18	1.8	2.8

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
JUL 11...	.020	.91	.030	.89	.94	.03	<.010	<.020	<.010	<.020

DATE	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL 11...	.05	2.74	35	24	K10	K12	95	.55	7	100

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
12...	1110	80513	80513	750	95	7.2	7.1
12...	1112	80513	80513	750	94	7.1	7.1
12...	1114	80513	80513	750	95	7.2	7.1
12...	1116	80513	80513	750	96	7.2	7.1
12...	1118	80513	80513	750	96	7.3	7.1
12...	1120	80513	80513	750	96	7.2	7.1
12...	1122	80513	80513	750	96	7.2	7.1
12...	1124	80513	80513	750	96	7.2	7.1
12...	1126	80513	80513	750	96	7.3	7.1
12...	1128	80513	80513	750	97	7.2	7.1

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
12...	48	28.8	1.00	100	5.00	.50
12...	48	29.0	1.00	100	15.0	.50
12...	48	29.0	1.00	100	25.0	.50
12...	48	29.1	1.00	100	35.0	.50
12...	48	29.0	1.00	100	45.0	.50
12...	48	29.0	1.00	100	55.0	.50
12...	48	29.0	1.00	100	65.0	.50
12...	48	29.1	1.00	100	75.0	.50
12...	48	29.2	1.00	100	85.0	.50
12...	48	29.5	1.00	100	95.0	.50

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP 14...	0835	81213.	80513.	6.4	745.	73.009	6.	7.73	76.	24.

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
SEP 14...	30.802	9.2	1.9	.8	0.157	2.	12.035	33.	2.1

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
SEP 14...	3.3	<.01	<.2	.03	<.01	<.02	<.01	<.02	0.063

DATE	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 14...	0.795	46.	39.220	K15.	K10.	31.	0.225	13.	96.

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.--No estimated daily discharges. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	19	14	110	77	103	623	85	604	949	23	18
2	12	17	15	110	91	205	805	82	159	936	23	18
3	17	14	16	112	114	274	741	71	67	923	23	15
4	18	13	20	66	141	292	684	175	86	912	23	13
5	18	13	23	26	147	244	477	231	245	901	22	13
6	18	13	27	22	133	225	406	1450	296	868	22	13
7	18	13	20	22	119	213	139	410	263	620	22	12
8	25	13	16	28	163	207	120	186	247	393	21	13
9	53	13	14	42	166	201	96	242	241	388	21	13
10	30	13	68	46	160	203	82	237	168	359	21	13
11	14	13	79	38	152	234	166	223	166	94	21	13
12	11	13	298	32	145	186	881	216	228	43	21	13
13	28	13	529	29	141	151	634	234	291	38	21	13
14	88	14	176	26	136	228	543	232	286	43	20	13
15	100	15	131	25	133	256	478	210	1700	44	20	12
16	517	16	481	24	130	246	442	201	748	36	20	12
17	549	17	495	24	127	161	397	91	843	33	20	12
18	521	17	494	24	126	115	215	45	6080	31	20	12
19	164	18	487	33	124	142	128	1680	3860	33	20	12
20	109	20	482	62	127	150	113	1980	1260	26	20	12
21	70	21	478	61	124	151	103	1090	767	27	20	12
22	40	16	471	61	121	143	97	371	3270	28	19	12
23	33	31	445	61	123	135	96	897	1560	31	19	12
24	17	75	293	60	122	112	354	876	1190	29	19	15
25	13	26	284	60	127	152	175	703	1060	27	19	23
26	13	19	280	60	533	623	123	638	977	26	19	19
27	13	17	275	71	575	455	116	290	937	25	19	13
28	13	16	149	79	198	719	125	498	909	24	19	12
29	13	15	115	71	131	727	102	255	900	24	19	12
30	13	15	113	71	---	715	88	141	961	25	18	12
31	17	---	111	73	---	643	---	577	---	25	18	---
TOTAL	2577	548	6899	1629	4706	8611	9549	14617	30369	7961	632	407
MEAN	83.1	18.3	223	52.5	162	278	318	472	1012	257	20.4	13.6
MAX	549	75	529	112	575	727	881	1980	6080	949	23	23
MIN	11	13	14	22	77	103	82	45	67	24	18	12
AC-FT	5110	1090	13680	3230	9330	17080	18940	28990	60240	15790	1250	807

07341200 SALINE RIVER NEAR LOCKESBURG--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	172	376	664	516	626	773	576	509	377	217	52.6	55.1
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	148	40.0	22.3	15.8	17.5	8.03
(WY)	1978	1996	1990	1996	1996	1996	1998	1987	1988	1978	1997	1981

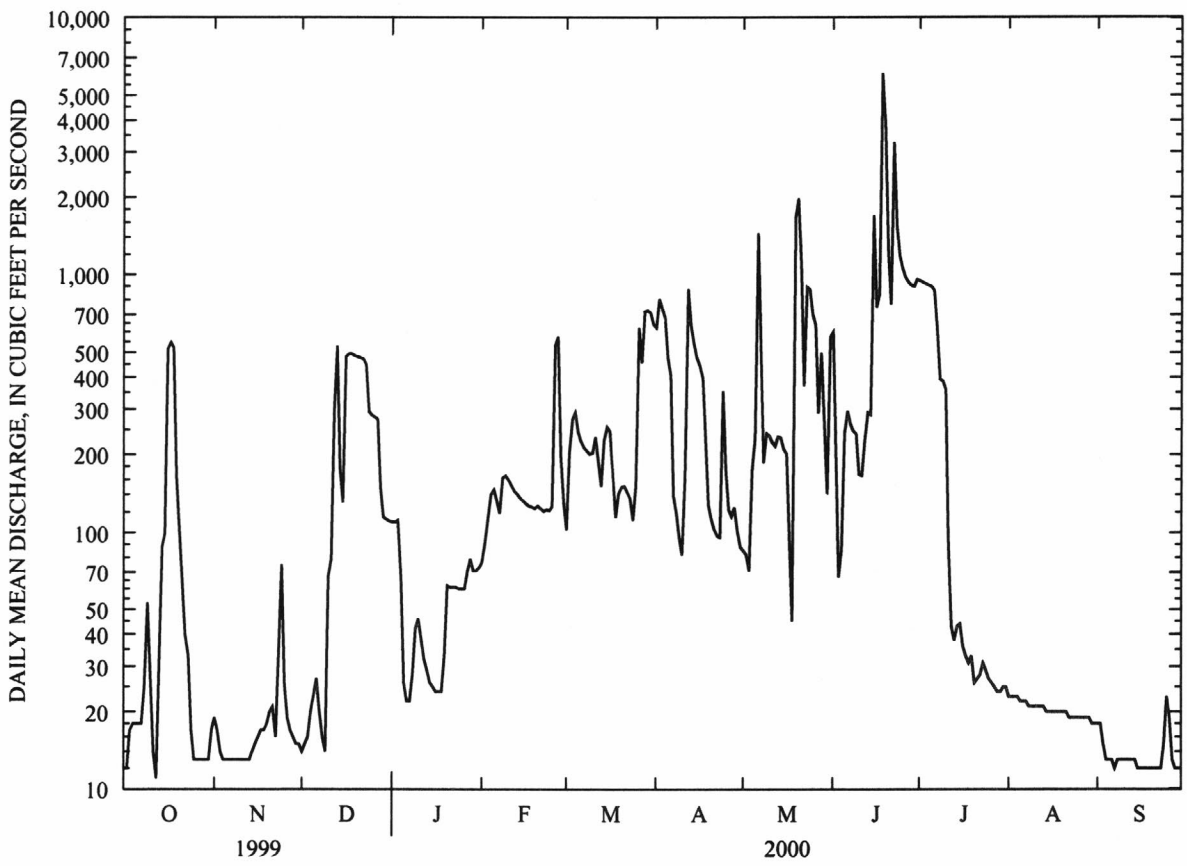
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	89203		88505			
ANNUAL MEAN	244		242		[a]408	
HIGHEST ANNUAL MEAN					733	1983
LOWEST ANNUAL MEAN					87.0	1996
HIGHEST DAILY MEAN	2890	Mar 13	6080	Jun 18	36800	Dec 3 1982
LOWEST DAILY MEAN	11	Oct 12	11	Oct 12	[b]2.3	Oct 16 1977
ANNUAL SEVEN-DAY MINIMUM	13	Sep 6	12	Sep 15	2.4	Oct 14 1977
INSTANTANEOUS PEAK FLOW			7570	Jun 18	[c]59600	Dec 3 1982
INSTANTANEOUS PEAK STAGE			15.97	Jun 18	[d]20.52	Dec 3 1982
ANNUAL RUNOFF (AC-FT)	176900		175500		295900	
10 PERCENT EXCEEDS	804		655		1000	
50 PERCENT EXCEEDS	56		88		113	
90 PERCENT EXCEEDS	14		13		16	

[a]Prior to regulation, water years 1963-74, 382 ft^3/s

[b]Minimum discharge for period of record, 0.20 ft^3/s Nov. 6, 1963, and Oct. 29, 1969

[c]Maximum discharge for period of record 64,700 ft^3/s May 14, 1968, from rating extended above 23,000 ft^3/s on basis of contracted opening measurement of peak flow

[d]Maximum gage height for period of record 20.86 ft May 14, 1968



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.--No estimated daily discharges. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	94	78	145	184	967	378	192	631	305	22	16
2	22	132	73	143	275	772	383	246	489	239	23	17
3	23	129	368	172	436	1130	420	262	449	192	24	16
4	25	96	1010	206	609	1060	379	227	733	156	22	16
5	25	81	1620	225	622	831	331	237	2400	127	20	16
6	24	73	862	197	534	715	299	241	1270	103	18	16
7	27	67	577	179	489	612	277	328	843	84	17	15
8	74	63	437	192	434	542	251	282	627	70	17	15
9	216	59	650	322	401	486	224	233	508	59	16	15
10	208	56	1380	385	372	490	202	197	455	79	16	15
11	163	54	936	340	344	1030	847	174	479	76	17	17
12	105	52	10400	304	314	855	2080	156	461	47	15	18
13	80	51	6540	276	289	721	1260	145	430	37	15	17
14	66	51	2400	248	262	618	929	127	369	32	16	16
15	57	49	1470	223	237	539	749	112	889	29	16	15
16	51	49	1040	205	213	487	619	103	872	27	15	15
17	47	48	820	196	195	439	514	113	641	24	15	15
18	43	47	673	187	192	443	432	134	5580	22	15	15
19	44	47	566	179	209	491	377	8700	2550	19	16	15
20	45	46	482	169	231	447	330	2680	1460	17	16	15
21	44	46	415	156	205	396	283	1480	5240	17	17	15
22	43	46	362	146	186	360	244	961	12400	17	30	15
23	40	82	319	141	179	331	222	699	3350	20	30	15
24	38	165	282	137	181	322	341	532	2110	22	28	49
25	38	241	252	130	196	319	498	421	1300	23	25	165
26	38	170	228	123	4930	333	389	362	890	25	22	220
27	40	132	207	129	3950	602	325	868	668	21	20	119
28	38	111	189	150	1910	742	278	5840	523	18	18	80
29	38	97	175	155	1280	578	239	2180	512	18	17	59
30	42	87	167	157	---	493	209	1250	415	18	17	47
31	69	---	155	160	---	426	---	853	---	20	16	---
TOTAL	1835	2521	35133	6077	19859	18577	14309	30335	49544	1963	591	1099
MEAN	59.2	84.0	1133	196	685	599	477	979	1651	63.3	19.1	36.6
MAX	216	241	10400	385	4930	1130	2080	8700	12400	305	30	220
MIN	22	46	73	123	179	319	202	103	369	17	15	15
AC-FT	3640	5000	69690	12050	39390	36850	28380	60170	98270	3890	1170	2180

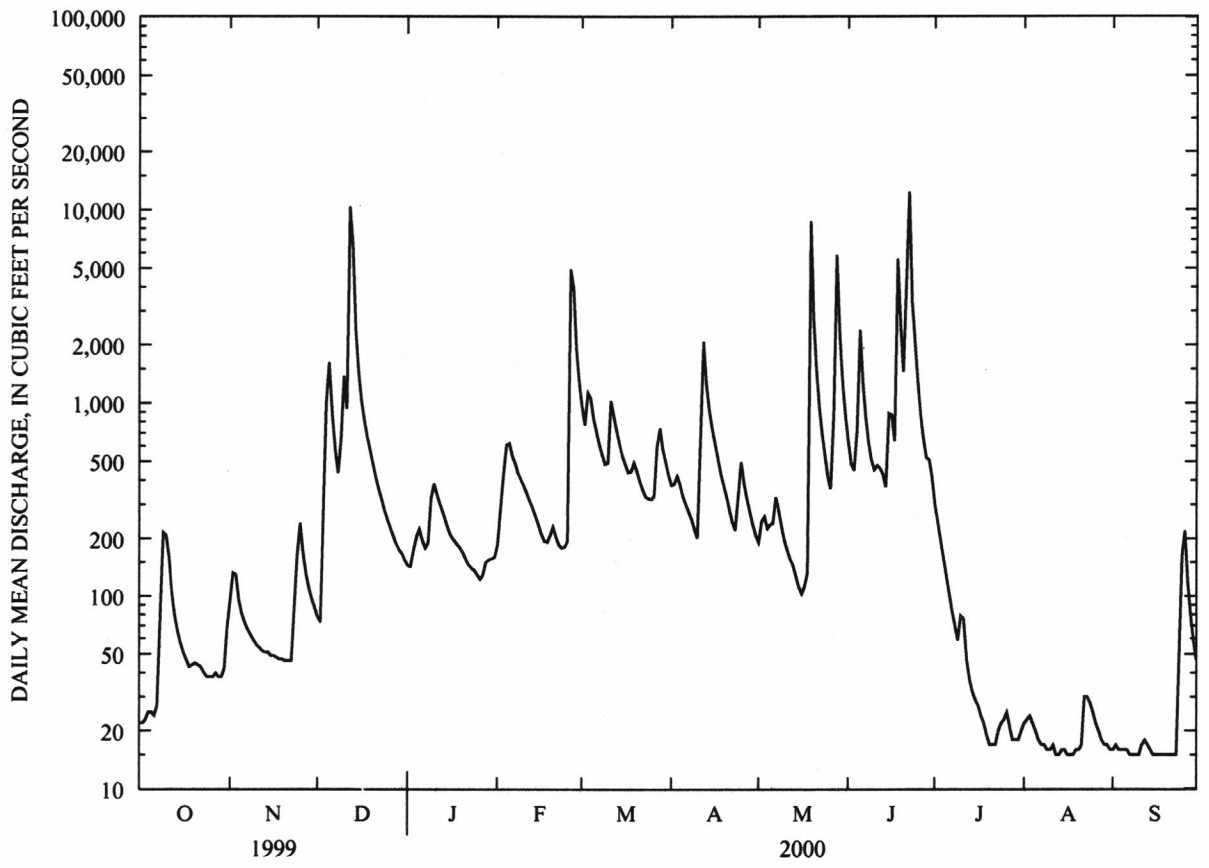
07356000 OUACHITA RIVER NEAR MOUNT IDA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

MEAN	377	731	1045	898	1111	1338	1122	1120	523	234	92.2	195
MAX	4031	3558	5373	3676	4574	5692	4230	3679	2084	1130	506	1470
(WY)	1985	1997	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	212288		181843			
ANNUAL MEAN	582		497		730	
HIGHEST ANNUAL MEAN					1499	1945
LOWEST ANNUAL MEAN					263	1963
HIGHEST DAILY MEAN	10700	Mar 13	12400	Jun 22	79800	Dec 3 1982
LOWEST DAILY MEAN	18	Aug 26	15	Aug 12	2.5	Aug 25 1954
ANNUAL SEVEN-DAY MINIMUM	20	Aug 21	15	Sep 15	2.8	Aug 19 1954
INSTANTANEOUS PEAK FLOW			20600	Jun 22	102000	Dec 3 1982
INSTANTANEOUS PEAK STAGE			18.69	Jun 22	[a]39.78	Dec 3 1982
INSTANTANEOUS LOW FLOW			15	Sep 18-24	2.3	Aug 25 1954
ANNUAL RUNOFF (AC-FT)	421100		360700		529000	
10 PERCENT EXCEEDS	1350		931		1600	
50 PERCENT EXCEEDS	232		192		248	
90 PERCENT EXCEEDS	33		17		32	

[a]From floodmark



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.--No Estimated daily discharges. Records good. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	3670	525	434	534	1720	2120	459	1420	6530	2970	1320
2	553	2910	459	478	589	1370	2500	470	1040	6760	3080	620
3	544	3150	470	521	623	610	3760	670	1400	6560	2900	734
4	1250	2360	465	2380	807	485	2100	1280	2530	6370	2920	1050
5	558	2420	451	2450	810	380	786	859	4060	4260	1090	1820
6	656	1190	466	2210	647	496	513	1030	4100	3680	1260	2310
7	506	451	443	2260	518	460	685	1150	3450	3520	2250	1860
8	1930	1180	455	2130	533	515	685	632	2520	3100	2900	1040
9	1240	1210	530	2330	850	470	457	489	1870	2120	3190	624
10	533	494	693	1550	600	348	447	524	1640	2970	3160	1130
11	2290	486	1200	469	516	439	2190	647	899	3250	3010	2050
12	504	541	4550	484	516	447	879	782	1180	3930	899	2020
13	725	442	4420	511	556	446	2630	1330	1830	2920	1430	2110
14	478	448	1260	682	828	457	2390	524	2090	2790	2270	1350
15	495	436	3810	514	461	461	1050	752	8400	2360	2980	1380
16	487	452	3800	490	492	1990	1680	491	3900	1840	2180	1120
17	497	444	3520	492	517	728	1500	777	2200	3200	3310	1070
18	756	613	3600	509	517	1300	1480	1340	3150	3870	2900	1780
19	740	649	3790	508	507	3740	990	1080	3340	3570	1050	1180
20	482	459	3260	544	497	725	639	2420	6840	4000	659	1050
21	1090	448	3570	574	525	1370	770	768	9650	4260	2900	949
22	475	445	2750	870	469	513	708	1710	9820	2520	3370	585
23	463	530	2220	517	550	610	1320	1130	7820	711	2870	1160
24	484	447	1110	484	528	636	566	1430	7280	2950	1670	913
25	498	489	1580	742	563	915	445	2010	7270	4010	996	828
26	489	476	1760	1120	3730	1050	798	733	7120	3990	621	1110
27	459	449	1410	782	2720	2050	463	2340	7130	3920	969	1060
28	456	446	2120	1210	550	815	687	8190	7280	4290	1910	293
29	482	451	1150	556	1140	457	690	5020	6770	1780	1690	1100
30	479	451	429	505	---	693	462	4010	6540	816	2110	592
31	2940	---	1020	489	---	2040	---	2150	---	2260	2580	---
TOTAL	23625	28637	57286	29795	22693	28736	36390	47197	134539	109107	68094	36208
MEAN	762	955	1848	961	783	927	1213	1522	4485	3520	2197	1207
MAX	2940	3670	4550	2450	3730	3740	3760	8190	9820	6760	3370	2310
MIN	86	436	429	434	461	348	445	459	899	711	621	293
AC-FT	46860	56800	113600	59100	45010	57000	72180	93620	266900	216400	135100	71820

07359002 OUACHITA RIVER BELOW REMMEL DAM AT JONES MILL--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2000, BY WATER YEAR (WY)

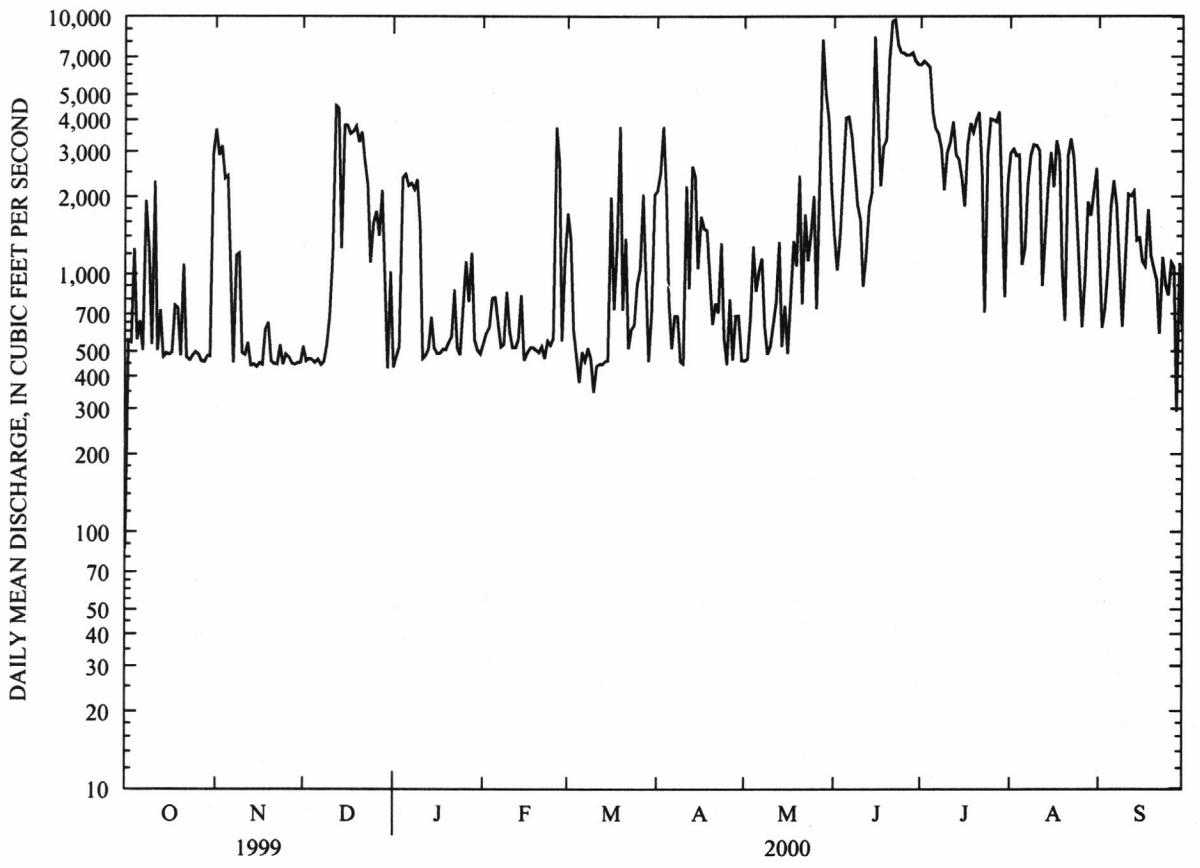
MEAN	1327	2156	3232	3719	3400	3411	3656	3472	1834	1211	1099	1148
MAX	6425	9717	13790	13560	11880	17230	13620	12550	9436	3602	2850	4224
(WY)	1985	1985	1983	1949	1950	1945	1952	1946	1974	1967	1966	1950
MIN	126	97.1	395	87.1	417	442	403	263	161	98.2	93.5	95.7
(WY)	1933	1944	1940	1931	1936	1966	1963	1936	1934	1930	1930	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	838920		622307			
ANNUAL MEAN	2298		1700		2468	
HIGHEST ANNUAL MEAN					5209	1973
LOWEST ANNUAL MEAN					746	1954
HIGHEST DAILY MEAN	22700	Jan 2	9820	Jun 22	104000	Mar 30 1945
LOWEST DAILY MEAN	86	Oct 1	86	Oct 1	39	Jun 22 1929
ANNUAL SEVEN-DAY MINIMUM	458	Nov 24	438	Mar 9	58	Nov 13 1943
INSTANTANEOUS PEAK FLOW			12000	Jun 22	[a]166000	May 20 1990
INSTANTANEOUS PEAK STAGE			7.91	Jun 22	[bc]30.30	May 15 1923
ANNUAL RUNOFF (AC-FT)	1664000		1234000		1788000	
10 PERCENT EXCEEDS	4390		3770		5680	
50 PERCENT EXCEEDS	1650		1050		1440	
90 PERCENT EXCEEDS	485		461		280	

[a]From rating curve extended above 120,000 ft^3/s on basis of computations 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



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.--Records good, except estimated daily discharges which are fair and those above 10,000 ft^3/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	266	68	64	85	286	148	78	199	158	33	24
2	29	152	67	66	146	232	189	78	152	136	34	25
3	29	109	143	123	180	366	174	84	153	120	33	25
4	29	91	259	104	254	292	154	78	384	107	30	25
5	28	80	513	88	215	243	139	81	520	97	29	24
6	28	74	296	82	178	208	128	87	312	89	28	24
7	28	69	218	77	156	180	120	77	211	85	26	24
8	478	66	171	105	141	160	109	71	157	83	26	24
9	395	63	381	117	126	142	97	68	210	80	26	26
10	304	61	534	109	115	171	93	69	500	77	26	32
11	136	62	363	98	105	260	150	67	306	e75	32	29
12	95	59	3240	91	93	207	245	65	238	e73	30	26
13	76	58	1360	85	89	182	208	65	170	e71	27	26
14	66	57	569	75	83	164	185	63	173	e68	26	26
15	58	56	365	71	76	151	169	62	586	e65	26	25
16	53	56	270	70	72	143	154	62	370	e63	26	24
17	51	56	220	68	69	123	136	65	404	e62	25	24
18	51	55	183	67	169	161	123	67	3110	e60	25	24
19	56	55	154	65	218	315	110	1640	1230	e58	28	24
20	54	55	131	63	148	255	101	581	838	e56	26	24
21	52	55	113	61	118	213	91	402	2400	e54	26	24
22	54	55	100	61	103	187	85	297	2140	e52	25	24
23	53	272	91	61	96	165	90	220	895	e50	25	24
24	53	257	85	59	89	153	277	169	567	e47	25	284
25	53	163	79	58	108	154	155	136	419	e45	25	191
26	53	123	75	58	2420	160	121	170	329	e40	25	85
27	53	103	72	61	1070	323	104	1630	329	40	24	57
28	52	90	69	72	521	251	94	1800	259	39	24	48
29	52	79	68	61	366	211	86	604	234	37	24	43
30	65	72	67	61	---	184	82	387	184	40	24	40
31	406	---	65	66	---	160	---	275	---	37	24	---
TOTAL	3019	2869	10389	2367	7609	6402	4117	9598	17979	2164	833	1325
MEAN	97.4	95.6	335	76.4	262	207	137	310	599	69.8	26.9	44.2
MAX	478	272	3240	123	2420	366	277	1800	3110	158	34	284
MIN	28	55	65	58	69	123	82	62	152	37	24	24
AC-FT	5990	5690	20610	4690	15090	12700	8170	19040	35660	4290	1650	2630
CFSM	.72	.70	2.46	.56	1.93	1.52	1.01	2.28	4.41	.51	.20	.32
IN.	.83	.78	2.84	.65	2.08	1.75	1.13	2.63	4.92	.59	.23	.36

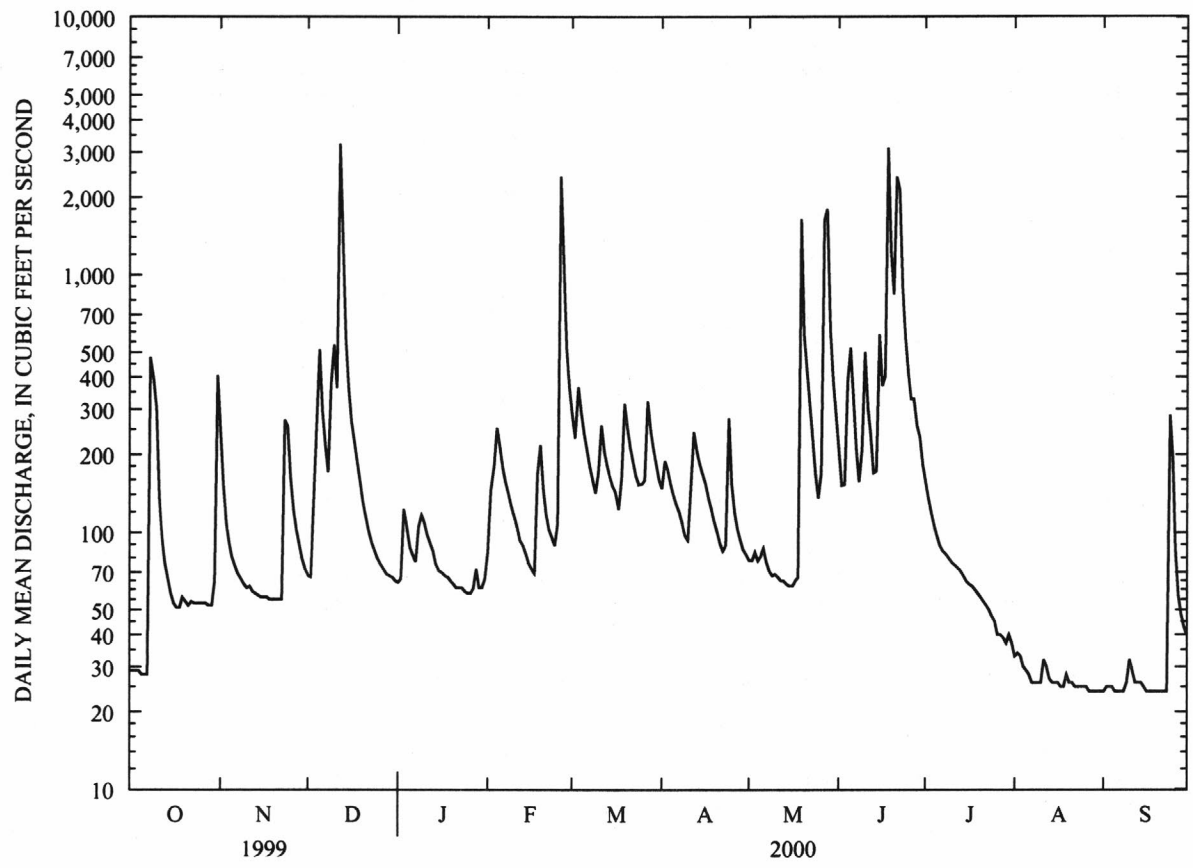
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	192	376	463	397	354	428	325	363	193	108	66.6	83.1
MAX	405	1149	1289	799	697	886	578	1176	599	266	203	177
(WY)	1994	1997	1994	1994	1989	1990	1991	1990	2000	1995	1994	1994
MIN	40.3	52.5	50.9	76.4	112	182	111	103	80.6	39.0	26.9	35.5
(WY)	1996	1990	1990	2000	1996	1996	1992	1997	1994	1998	2000	1999

07359610 CADDO RIVER NEAR CADDO GAP--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	79768		68671			
ANNUAL MEAN	219		188		279	
HIGHEST ANNUAL MEAN					389	1994
LOWEST ANNUAL MEAN					157	1996
HIGHEST DAILY MEAN	4960	Mar 13	3240	Dec 12	28600	Dec 3 1993
LOWEST DAILY MEAN	28	Aug 23	24	Aug 27	24	Aug 27 2000
ANNUAL SEVEN-DAY MINIMUM	29	Oct 1	24	Sep 16	24	Sep 16 2000
INSTANTANEOUS PEAK FLOW			7750	May 27	[a]97200	Dec 3 1993
INSTANTANEOUS PEAK STAGE			12.51	May 27	26.27	Dec 3 1993
INSTANTANEOUS LOW FLOW			23	at times	23	at times
ANNUAL RUNOFF (AC-FT)	158200		136200		202100	
ANNUAL RUNOFF (CFSM)	1.61		1.38		2.05	
ANNUAL RUNOFF (INCHES)	21.82		18.78		27.87	
10 PERCENT EXCEEDS	409		364		501	
50 PERCENT EXCEEDS	108		85		120	
90 PERCENT EXCEEDS	31		26		45	

[a]From rating curve extended above 10,000 ft^3/s on basis of slope-conveyance study
[e]Estimated



07360200 LITTLE MISSOURI RIVER NEAR LANGLEY

LOCATION.--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.--68.4 mi^2.

PERIOD OF RECORD.--September 1998 to current year. Occasional low-flow measurements water years 1958-63, occasional measurements 1974-98, and annual maximum water years 1989-98.

GAGE.--Water-stage recorder.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 8, 1990, reached a stage of 17.34 ft, discharge, 23,200 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	93	38	48	73	186	105	43	91	94	19	9.9
2	13	56	37	50	115	134	111	42	72	75	19	12
3	13	45	120	70	127	170	101	54	68	64	17	11
4	13	38	200	76	189	147	91	121	190	55	16	9.1
5	13	33	447	69	148	129	85	92	281	47	15	8.3
6	13	30	211	65	121	110	80	128	158	42	14	7.5
7	15	28	130	62	105	97	76	118	107	38	13	8.0
8	334	27	97	83	99	89	70	89	83	36	13	8.6
9	141	26	491	117	94	81	63	73	72	36	12	12
10	63	25	576	114	89	99	60	64	79	33	12	18
11	43	25	363	100	81	217	109	56	71	29	13	14
12	34	24	2700	88	73	177	255	52	68	27	13	12
13	28	25	1030	79	70	140	191	49	61	27	12	11
14	24	25	500	68	64	117	151	42	59	33	11	11
15	22	25	303	63	59	101	128	38	230	41	11	9.6
16	21	24	192	62	57	92	111	39	175	36	11	8.1
17	20	24	140	61	53	81	90	40	140	32	10	8.1
18	20	24	113	58	80	86	78	40	2160	29	13	7.9
19	22	24	97	56	139	127	72	1230	740	27	18	7.9
20	22	25	85	53	98	127	66	532	451	25	13	7.7
21	20	25	75	51	81	111	59	293	1840	28	13	7.6
22	19	25	68	50	72	96	54	178	1350	36	12	7.4
23	18	493	64	50	74	86	55	120	594	33	11	8.7
24	18	223	62	48	71	85	70	91	334	28	12	75
25	18	110	59	46	153	227	58	74	200	24	11	51
26	19	78	56	44	1940	350	52	71	151	23	11	29
27	18	63	54	47	848	582	49	561	262	22	10	21
28	18	55	53	52	436	381	47	821	168	21	9.3	18
29	18	48	52	52	277	247	44	359	192	21	8.6	16
30	20	42	51	50	---	168	45	202	124	22	7.7	14
31	85	---	50	53	---	124	---	125	---	21	7.9	---
TOTAL	1158	1808	8514	1985	5886	4964	2626	5837	10571	1105	388.5	449.4
MEAN	37.4	60.3	275	64.0	203	160	87.5	188	352	35.6	12.5	15.0
MAX	334	493	2700	117	1940	582	255	1230	2160	94	19	75
MIN	13	24	37	44	53	81	44	38	59	21	7.7	7.4
AC-FT	2300	3590	16890	3940	11670	9850	5210	11580	20970	2190	771	891
CFSM	.55	.88	4.02	.94	2.97	2.34	1.28	2.75	5.15	.52	.18	.22
IN.	.63	.98	4.63	1.08	3.20	2.70	1.43	3.17	5.75	.60	.21	.24

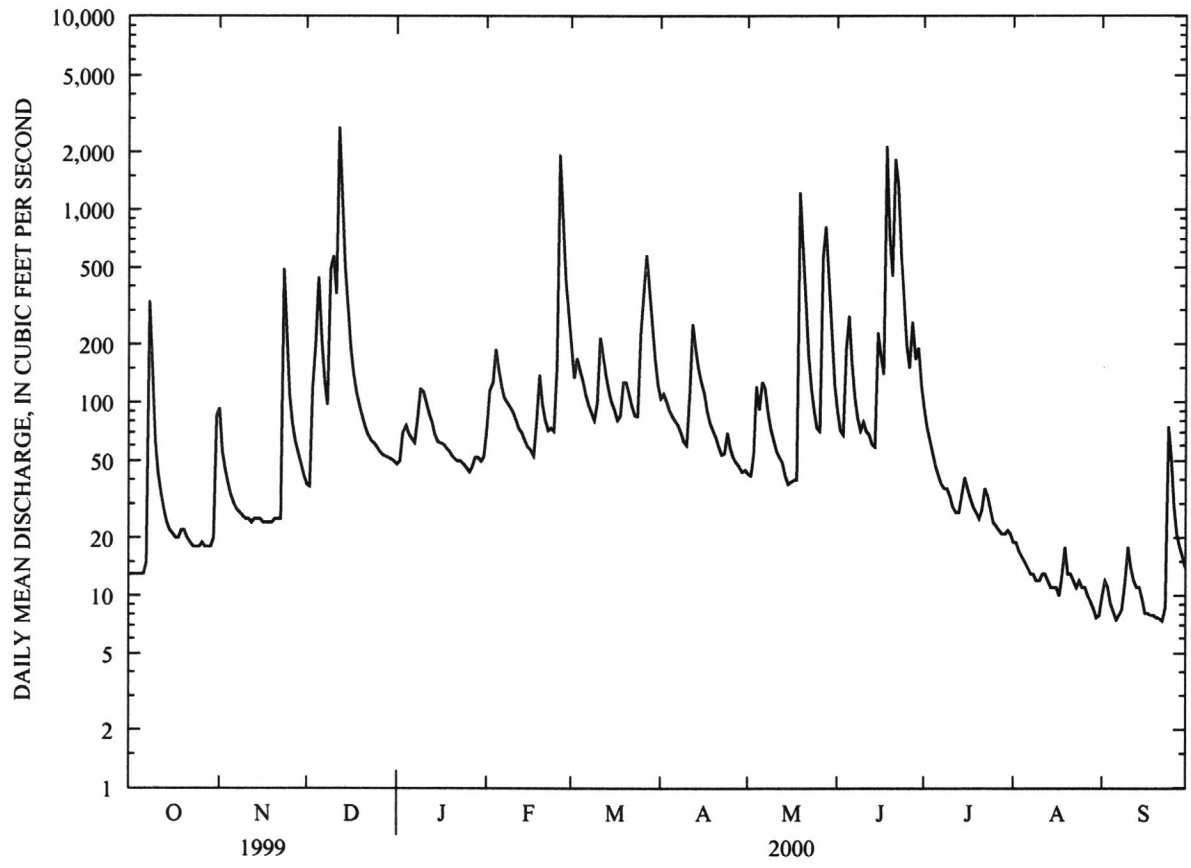
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	107	67.1	303	148	183	208	200	142	225	43.1	14.2	19.1
MAX	177	73.9	331	231	203	255	313	188	352	50.6	15.9	23.2
(WY)	1999	1999	1999	1999	2000	1999	1999	2000	2000	1999	1999	1999
MIN	37.4	60.3	275	64.0	162	160	87.5	95.2	98.5	35.6	12.5	15.0
(WY)	2000	2000	2000	2000	1999	2000	2000	1999	1999	2000	2000	2000

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY--CONTINUED

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL	45291.9			
ANNUAL MEAN	124		138	
HIGHEST ANNUAL MEAN			152	1999
LOWEST ANNUAL MEAN			124	2000
HIGHEST DAILY MEAN	2700	Dec 12	2850	Mar 13 1999
LOWEST DAILY MEAN	7.4	Sep 22	7.4	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	7.8	Sep 16	7.8	Sep 16 2000
INSTANTANEOUS PEAK FLOW	[a]6630	Jun 18	[a]8620	Dec 4 1998
INSTANTANEOUS PEAK STAGE	9.55	Jun 18	10.80	Dec 4 1998
INSTANTANEOUS LOW FLOW	5.4	Aug 30	5.4	Aug 30 2000
ANNUAL RUNOFF (AC-FT)	89840		100000	
ANNUAL RUNOFF (CFSM)	1.81		2.02	
ANNUAL RUNOFF (INCHES)	24.63		27.42	
10 PERCENT EXCEEDS	224		293	
50 PERCENT EXCEEDS	58		64	
90 PERCENT EXCEEDS	12		15	

[a]From rating curve extended above 2,300 ft^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.--No estimated daily discharges. Records good.

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

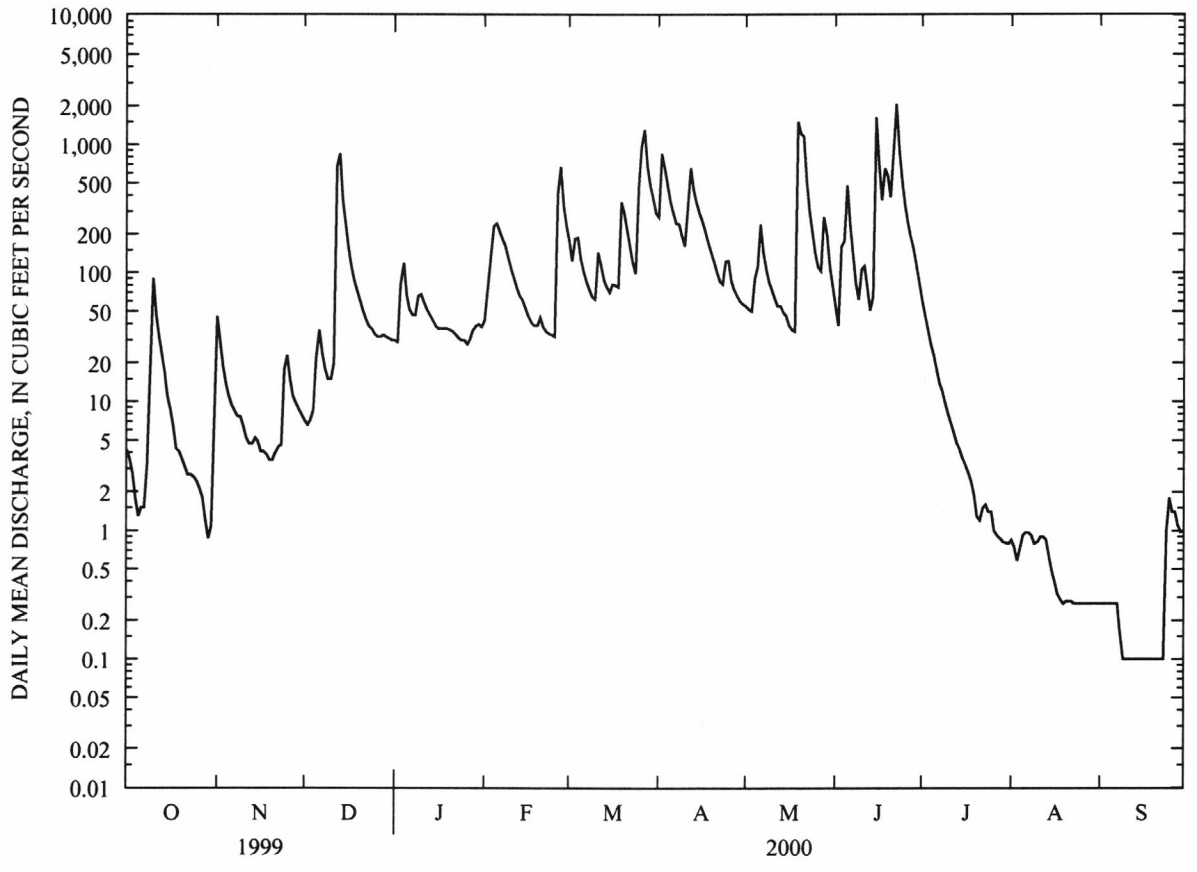
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	46	7.1	30	43	178	271	55	53	61	.85	.27
2	3.6	30	6.6	29	72	124	852	52	39	47	.75	.27
3	2.8	19	7.3	82	131	184	657	50	161	36	.58	.27
4	1.8	14	8.6	120	231	188	486	90	177	28	.74	.27
5	1.3	11	22	67	243	128	357	111	480	23	.93	.27
6	1.5	9.4	36	52	212	102	291	239	237	18	.98	.27
7	1.5	8.4	24	47	183	85	243	147	135	14	.97	.27
8	3.1	7.7	18	47	162	74	239	108	83	12	.93	.16
9	12	7.6	15	66	131	65	194	85	62	9.7	.80	.10
10	91	6.4	15	68	107	62	161	73	106	8.0	.83	.10
11	48	5.2	20	59	91	145	320	63	113	6.8	.90	.10
12	32	4.7	680	52	76	115	660	55	75	5.6	.90	.10
13	23	4.7	855	47	66	88	443	55	51	4.7	.86	.10
14	17	5.2	367	43	61	77	351	49	66	4.2	.64	.10
15	11	4.9	236	39	53	70	294	46	1630	3.6	.49	.10
16	8.7	4.1	157	37	46	81	248	39	700	3.2	.40	.10
17	6.4	4.1	111	37	41	80	209	36	369	2.8	.32	.10
18	4.3	3.9	87	37	39	77	171	35	654	2.4	.29	.10
19	4.1	3.5	72	37	39	356	144	1510	572	1.9	.27	.10
20	3.6	3.5	61	36	45	292	122	1220	392	1.3	.28	.10
21	3.1	4.0	51	35	38	212	101	1160	980	1.2	.28	.10
22	2.7	4.5	44	33	35	157	86	523	2070	1.5	.28	.10
23	2.7	4.6	39	31	34	119	81	303	913	1.6	.27	.10
24	2.6	18	37	30	33	98	123	205	524	1.4	.27	1.0
25	2.4	23	34	30	32	464	124	144	336	1.4	.27	1.8
26	2.1	15	32	28	418	974	86	111	246	1.0	.27	1.4
27	1.8	11	32	31	675	1310	73	103	190	.93	.27	1.4
28	1.2	9.7	33	36	334	675	66	273	152	.88	.27	1.1
29	.87	8.7	32	39	234	480	60	196	115	.83	.27	.99
30	1.1	7.9	31	40	---	382	57	111	85	.81	.27	1.0
31	6.7	---	30	38	---	291	---	75	---	.80	.27	---
TOTAL	308.17	309.7	3200.6	1403	3905	7733	7570	7322	11766	305.55	16.70	12.24
MEAN	9.94	10.3	103	45.3	135	249	252	236	392	9.86	.54	.41
MAX	91	46	855	120	675	1310	852	1510	2070	61	.98	1.8
MIN	.87	3.5	6.6	28	32	62	57	35	39	.80	.27	.10
AC-FT	611	614	6350	2780	7750	15340	15020	14520	23340	606	33	24
CFSM	.06	.06	.58	.25	.76	1.40	1.42	1.33	2.20	.06	.00	.00
IN.	.06	.06	.67	.29	.82	1.62	1.58	1.53	2.46	.06	.00	.00

07361500 ANTOINE RIVER AT ANTOINE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	109	296	425	354	443	520	469	409	182	89.7	37.2	38.2
MAX	838	1271	1958	1038	1344	1325	1548	2266	1430	823	598	439
(WY)	1985	1974	1988	1999	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	.13	.013	.020
(WY)	1957	1957	1966	1966	1963	1972	1972	1988	1966	1998	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	85383.10		43851.96			
ANNUAL MEAN	234		120		280	
HIGHEST ANNUAL MEAN					551	1973
LOWEST ANNUAL MEAN					109	1971
HIGHEST DAILY MEAN	7320	Jan 2	2070	Jun 22	20500	May 2 1958
LOWEST DAILY MEAN	.54	Aug 8	.10	Sep 9	.00	Aug 4 1956
ANNUAL SEVEN-DAY MINIMUM	.66	Jul 28	.10	Sep 9	.00	Aug 4 1956
INSTANTANEOUS PEAK FLOW			3540	Jun 22	35500	May 2 1958
INSTANTANEOUS PEAK STAGE			13.01	Jun 22	28.75	May 2 1958
INSTANTANEOUS LOW FLOW			.10	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	169400		86980		202900	
ANNUAL RUNOFF (CFSM)	1.31		.67		1.57	
ANNUAL RUNOFF (INCHES)	17.84		9.16		21.38	
10 PERCENT EXCEEDS	516		324		597	
50 PERCENT EXCEEDS	24		36		67	
90 PERCENT EXCEEDS	1.4		.29		1.5	



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 79B 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.--Water-discharge records good except estimated daily discharges, which are poor. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	911	957	988	1030	3320	4440	1350	5300	14200	1160	e4300
2	980	2500	1010	1160	1060	2990	4830	1160	3190	11300	e2200	e4100
3	989	2910	1190	1010	1070	3230	7150	1070	2280	10100	e3300	e2800
4	954	2690	962	911	1020	2920	10200	1270	1880	9620	e3400	1330
5	946	2910	985	912	1390	2770	9890	2700	2310	9530	e3400	1200
6	1160	2370	1010	2320	1540	2420	7970	5630	4890	8170	e3200	1210
7	1010	2120	1020	2670	1800	2050	5550	10700	6210	6850	1850	1490
8	1020	1590	1190	2740	1700	1790	3820	12500	5670	5780	1690	1500
9	1040	942	1010	2450	1800	1710	3250	11300	4980	5720	3150	e1590
10	1770	1320	1060	2240	1650	1650	3420	7610	3300	5200	4050	1290
11	1560	1420	918	2270	2050	2130	2390	5190	3190	4400	3840	1060
12	925	887	1090	1910	1360	1880	2330	3200	3610	4660	3590	1080
13	1700	920	2560	1040	1220	2760	6830	2590	2450	5000	e3200	1550
14	1260	917	7350	974	1110	3340	7050	3460	2010	4700	e1800	1750
15	1260	924	5810	980	1090	2930	7250	3600	3610	4080	e2000	1880
16	941	923	3760	1130	1220	2950	5670	2220	14000	3720	e3000	1540
17	853	932	4590	971	1040	5910	4950	1820	20200	3860	e4200	1590
18	882	938	4500	867	1040	6190	4190	1460	21800	3520	e4500	1440
19	869	996	3980	921	1040	5150	3330	1950	21700	4330	e4900	1240
20	859	1030	3960	912	1100	7360	3610	10100	19500	4280	e3500	1400
21	890	996	3730	1070	1060	8100	2760	15000	19600	4170	e2400	1290
22	897	966	3630	1420	1110	5340	2340	17600	21200	4600	e1900	1190
23	1060	935	3170	1140	1250	4370	1720	16500	22700	4180	e3700	1140
24	887	902	3020	1240	1050	3080	1490	12700	25000	2480	e4700	1040
25	866	925	2220	997	1060	2420	2500	8450	25700	1280	e3900	1270
26	856	923	1640	932	1190	2200	2690	6830	24800	2570	e3000	1480
27	939	930	1450	1160	1820	3590	1780	4660	21300	3430	e2500	1050
28	921	933	1750	1390	6970	5910	1570	3400	15900	3450	e2000	1210
29	815	927	1620	1540	5700	6830	1680	7270	14000	3820	e2500	1180
30	877	935	2100	1550	---	5700	1370	9370	15000	3810	e2800	992
31	939	---	1510	1100	---	5050	---	7170	---	1940	e3500	---
TOTAL	31975	39522	74752	42915	47540	118040	128020	199830	357280	164750	94830	47182
MEAN	1031	1317	2411	1384	1639	3808	4267	6446	11910	5315	3059	1573
MAX	1770	2910	7350	2740	6970	8100	10200	17600	25700	14200	4900	4300
MIN	815	887	918	867	1020	1650	1370	1070	1880	1280	1160	992
AC-FT	63420	78390	148300	85120	94300	234100	253900	396400	708700	326800	188100	93590

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2000, BY WATER YEAR (WY)

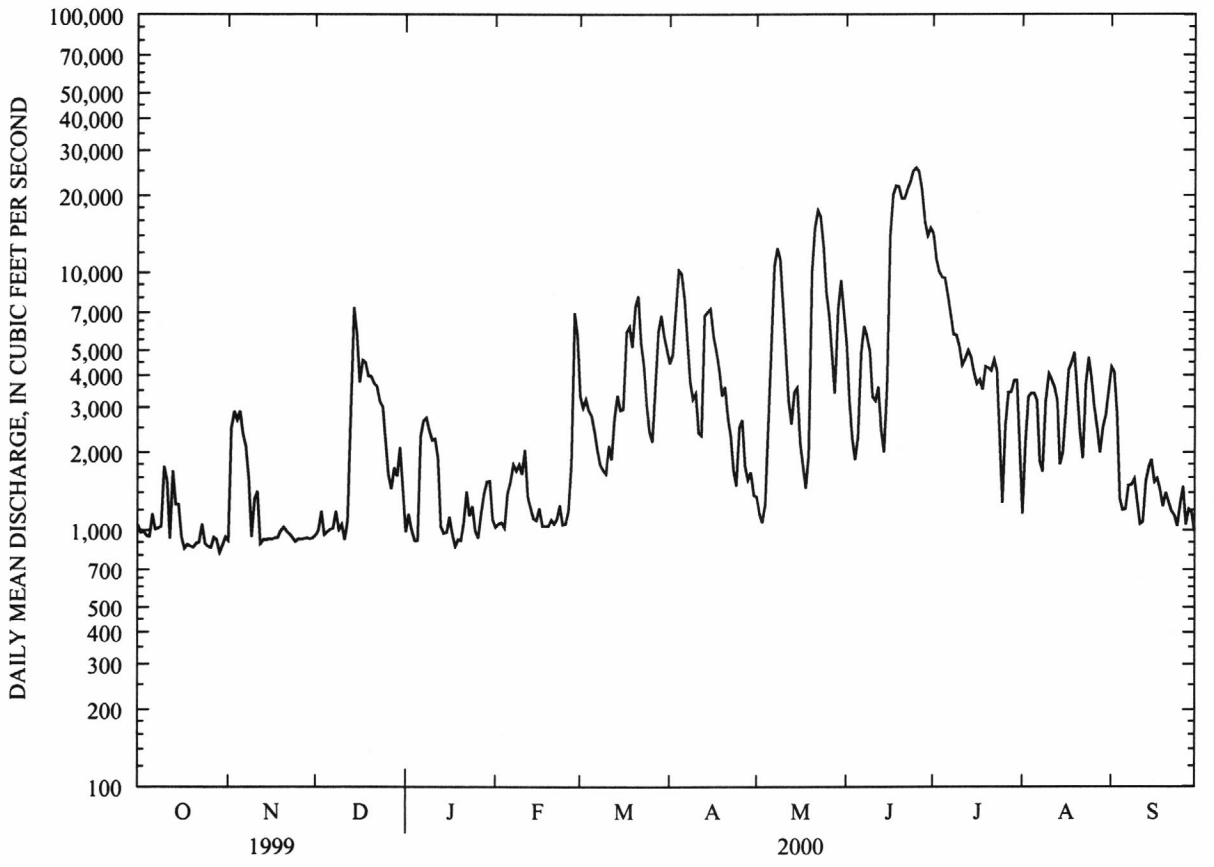
MEAN	2475	5229	9320	12160	12260	12790	13000	12520	5240	2866	1989	2241
MAX	18200	25370	41930	46610	40110	45110	48110	52200	31090	13640	7469	19410
(WY)	1985	1973	1983	1937	1950	1945	1945	1968	1974	1989	1966	1974
MIN	291	381	740	686	1542	1742	1578	1674	411	260	176	154
(WY)	1933	1933	1940	1940	1936	1954	1930	1932	1936	1930	1930	1943

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1929 - 2000	
ANNUAL TOTAL	2529579		1346636			
ANNUAL MEAN	6930		3679		7653	
HIGHEST ANNUAL MEAN					16120	1973
LOWEST ANNUAL MEAN					2292	1936
HIGHEST DAILY MEAN	50100	Mar 17	25700	Jun 25	238000	Apr 3 1945
LOWEST DAILY MEAN	815	Oct 29	815	Oct 29	125	Sep 16 1943
ANNUAL SEVEN-DAY MINIMUM	880	Oct 24	880	Oct 24	132	Sep 11 1943
INSTANTANEOUS PEAK FLOW			26100	Jun 25	243000	Apr 3 1945
INSTANTANEOUS PEAK STAGE			26.81	Jun 25,26	44.82	Apr 3 1945
INSTANTANEOUS LOW FLOW			765	Oct 29	125	[a]Sep 16 1943
ANNUAL RUNOFF (AC-FT)	5017000		2671000		5544000	
10 PERCENT EXCEEDS	19300		7440		19200	
50 PERCENT EXCEEDS	3160		2160		3420	
90 PERCENT EXCEEDS	956		939		780	

e Estimated

[a]Also September 24-26, 1943

[e]Estimated



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV										
02...	0745	81213	80513	2300	769	90	8.6	7.2	88	18.0
JAN										
05...	1015	81213	80513	1110	760	87	9.5	7.3	87	11.1
MAR										
01...	1015	81213	80513	3060	755	91	9.2	7.9	107	14.5
APR										
05...	0830	81213	80513	10700	768	80	8.0	7.8	84	15.8

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
NOV										
02...	22	6.3	1.6	1.3	.6	6.8	38	4.6	11	.020
JAN										
05...	23	6.6	1.5	1.2	.5	5.9	35	4.1	12	.020
MAR										
01...	30	9.1	1.7	4.1	.7	9.3	37	5.0	18	.090
APR										
05...	24	7.3	1.4	1.6	.4	4.3	26	4.7	11	.040

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV										
02...	<.20	--	.040	--	--	.03	--	--	<.010	.06
JAN										
05...	.33	--	.080	.31	.41	.03	--	--	<.010	.09
MAR										
01...	.47	.270	.280	.38	.75	.12	1.2	.03	.010	--
APR										
05...	.53	--	.200	.49	.73	.05	--	--	<.010	--

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
02...	<.020	.020	.030	51	K7	23	K18	99	16	99
JAN										
05...	.040	.030	.040	50	K5	170	34	51	17	92
MAR										
01...	.060	<.010	.040	69	110	140	51	314	38	91
APR										
05...	.030	<.010	.070	65	210	140	210	1880	65	94

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
12...	1200	81213	80513	768	89	7.1	6.7
12...	1202	80513	80513	768	91	7.2	6.9
12...	1204	80513	80513	768	90	7.1	6.8
12...	1206	80513	80513	768	90	7.1	6.7
12...	1208	80513	80513	768	89	7.0	6.7
12...	1210	80513	80513	768	89	7.0	6.7
12...	1212	80513	80513	768	89	7.0	6.7
12...	1214	80513	80513	768	89	7.0	6.7
12...	1216	80513	80513	768	89	7.0	6.7
12...	1218	80513	80513	768	89	7.0	6.7
12...	1220	80513	80513	768	89	7.0	6.7

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
12...	60	28.0	--	--	--	--
12...	60	28.0	8.40	300	885	4.20
12...	60	28.0	17.8	300	915	8.90
12...	60	28.0	22.0	300	945	11.0
12...	60	28.0	22.5	300	975	11.3
12...	60	28.0	20.0	300	1000	10.0
12...	60	28.0	20.3	300	1040	10.0
12...	60	28.0	18.3	300	1060	9.00
12...	60	28.0	17.1	300	1100	8.00
12...	60	28.0	16.8	300	1120	8.40
12...	60	28.0	11.0	300	1160	6.50

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL										
12...	1200	5230	19	5.3	1.3	1.2	.3	3.3	26	2.9

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
JUL										
12...	4.9	.020	.79	.130	.77	.92	.03	<.010	.03	<.020

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL									
12...	.010	.090	41	20	26	96	1790	127	84

07362000 OUACHITA RIVER AT CAMDEN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
SEP 13...	0900	81213	80513	918	764	78	6.3	6.2	79	26.2	23	6.5

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
SEP 13...	1.7	1.2	.4	4.5	28	3.2	6.9	.030	<.20	.080	.04

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 13...	<.010	<.020	<.010	.020	45	150	100	K33	45	18	94

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	16	31	27	72	186	750	56	71	159	1.9	.00
2	1.6	14	30	28	83	118	2050	49	55	103	2.1	.00
3	1.6	12	35	28	91	101	2470	47	46	75	1.4	.00
4	1.5	10	44	30	107	110	2620	116	48	56	.79	.00
5	1.6	14	59	33	112	114	2160	501	227	41	.50	.00
6	1.6	16	53	32	104	106	1490	1350	300	31	.22	.00
7	1.6	16	43	29	91	85	946	1940	242	25	.04	.00
8	1.7	17	28	39	77	70	484	1950	144	19	.00	.00
9	13	19	20	55	66	63	379	1550	91	15	.00	.00
10	16	20	18	64	59	62	272	1220	67	13	.00	.00
11	11	21	17	64	55	160	199	567	57	10	.00	.00
12	11	21	28	56	53	204	196	234	53	8.7	.00	.00
13	11	23	106	48	48	168	264	405	50	8.6	.00	.00
14	8.2	24	127	42	45	126	309	721	45	14	.00	.00
15	6.7	24	98	37	43	98	275	781	40	22	.00	.00
16	6.1	25	74	34	40	321	219	712	99	18	.00	.00
17	5.9	25	54	32	39	658	179	316	308	11	.00	.00
18	6.0	25	45	32	40	652	145	170	435	9.5	.00	.00
19	6.3	27	39	32	49	682	121	465	566	7.0	.00	.00
20	6.1	32	35	33	50	680	103	1510	602	5.1	.00	.00
21	6.3	33	33	31	47	491	87	2270	594	3.8	.00	.00
22	6.7	32	31	30	49	335	73	2300	437	2.9	.00	.00
23	7.8	32	29	31	46	202	65	1700	278	2.6	.00	.00
24	8.8	34	28	29	47	151	163	1180	267	2.1	.00	1.6
25	8.3	34	27	28	40	142	303	483	173	1.7	.00	12
26	7.9	34	27	29	156	224	166	184	100	1.2	.00	8.7
27	8.7	34	26	32	405	414	101	134	70	1.1	.00	4.2
28	9.5	33	26	41	373	581	83	112	121	.88	.00	5.6
29	10	35	27	52	321	607	72	107	225	.68	.00	4.2
30	11	35	27	58	---	889	66	114	191	1.1	.00	2.3
31	12	---	27	66	---	931	---	94	---	3.1	.00	---
TOTAL	217.1	737	1292	1202	2808	9731	16810	23338	6002	672.06	6.95	38.60
MEAN	7.00	24.6	41.7	38.8	96.8	314	560	753	200	21.7	.22	1.29
MAX	16	35	127	66	405	931	2620	2300	602	159	2.1	12
MIN	1.5	10	17	27	39	62	65	47	40	.68	.00	.00
AC-FT	431	1460	2560	2380	5570	19300	33340	46290	11900	1330	14	77
CFSM	.02	.06	.11	.10	.25	.82	1.46	1.96	.52	.06	.00	.00
IN.	.02	.07	.12	.12	.27	.94	1.62	2.25	.58	.06	.00	.00

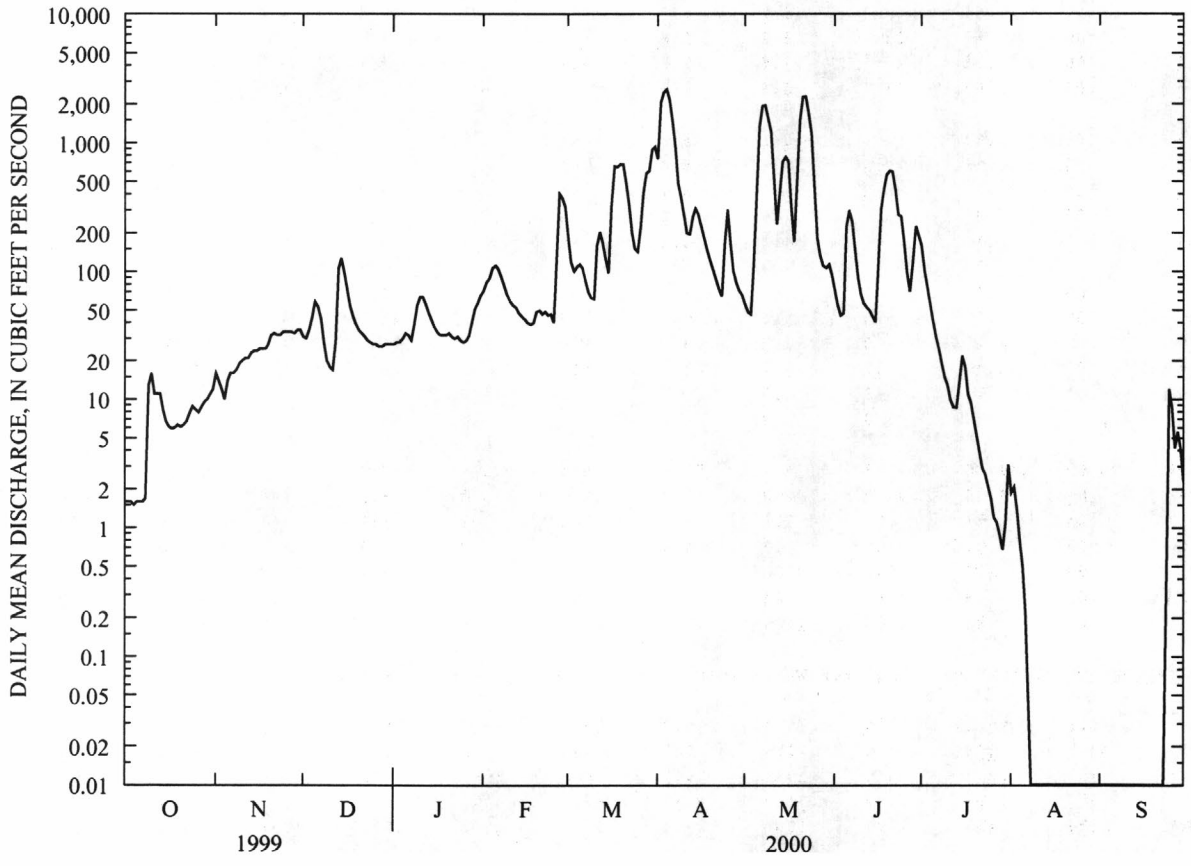
07362100 SMACKOVER CREEK NEAR SMACKOVER--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	116	243	556	649	802	812	753	499	406	128	51.1	93.7
MAX	1784	1143	1998	1980	2366	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	38.8	44.6	112	90.6	33.6	8.91	1.81	.22	1.29
(WY)	1996	1996	1982	2000	1996	1967	1971	1996	1972	1964	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	135793.9		62854.71			
ANNUAL MEAN	372		172		424	
HIGHEST ANNUAL MEAN					1074	1974
LOWEST ANNUAL MEAN					94.4	1963
HIGHEST DAILY MEAN	11200	Jan 31	2620	Apr 4	35300	Apr 6 1997
LOWEST DAILY MEAN	1.5	Oct 4	.00	Aug 8	.00	Aug 24 1978
ANNUAL SEVEN-DAY MINIMUM	1.6	Oct 1	.00	Aug 8	.00	Aug 8 2000
INSTANTANEOUS PEAK FLOW			2680	Apr 4	[a]52700	Jun 8 1974
INSTANTANEOUS PEAK STAGE			13.84	Apr 4	24.97	Jun 8 1974
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	269300		124700		306800	
ANNUAL RUNOFF (CFSM)	.97		.45		1.10	
ANNUAL RUNOFF (INCHES)	13.12		6.07		14.95	
10 PERCENT EXCEEDS	791		470		1200	
50 PERCENT EXCEEDS	46		34		93	
90 PERCENT EXCEEDS	3.1		.00		5.9	

[a]From rating curve extended above 31,000 ft^3/s



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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	77	1.9	2.7	6.3	45	12	7.2	9.8	14	.00	.00
2	.00	13	1.9	103	12	33	33	6.2	7.1	11	.00	.00
3	.00	6.9	11	717	18	81	34	6.8	202	8.2	.00	.00
4	.00	4.5	21	129	31	60	29	20	404	6.4	.00	.00
5	.00	3.2	48	74	26	47	24	16	271	4.8	.00	.00
6	.00	2.5	24	51	22	37	21	16	103	3.5	.00	.00
7	.00	1.9	16	37	20	29	18	13	59	2.6	.00	.00
8	.00	1.5	12	35	16	24	14	10	38	1.9	.00	.00
9	.00	1.3	60	31	14	20	11	8.2	26	1.3	.00	.00
10	.00	1.1	67	25	13	25	9.8	7.3	22	.90	.00	.00
11	.00	.90	37	20	12	48	36	6.0	17	.61	.00	.00
12	.00	.85	659	16	10	36	53	5.0	12	.41	.00	.00
13	.00	.80	221	14	9.7	32	39	4.1	9.3	.26	.00	.00
14	.00	.79	103	12	8.8	27	32	3.1	229	.17	.00	.00
15	.00	.65	58	10	7.7	24	26	2.4	470	.08	.00	.00
16	.00	.60	38	9.4	6.9	60	21	2.0	116	.02	.00	.00
17	.00	.56	28	8.8	6.5	53	17	1.9	77	.00	.00	.00
18	.00	.53	21	8.2	6.8	112	13	1.8	162	.00	.00	.00
19	.00	.54	16	7.6	7.2	341	11	3.2	183	.00	.00	.00
20	.00	.62	13	6.8	6.4	136	9.7	4.5	108	.00	.00	.00
21	.00	.77	11	6.1	5.8	87	8.0	4.7	416	.00	.00	.00
22	.00	.79	8.9	5.7	5.4	61	6.7	4.2	274	.00	.00	.00
23	.00	4.6	7.6	5.3	5.1	46	8.9	3.2	125	.00	.00	.00
24	.00	6.3	6.7	4.9	4.9	36	85	2.4	76	.00	.00	.00
25	.00	4.1	5.8	4.4	5.3	28	40	1.9	49	.00	.00	.00
26	.00	3.4	5.1	4.0	336	23	27	2.2	34	.00	.00	.00
27	.00	3.0	4.6	4.5	175	27	20	31	25	.00	.00	.00
28	.00	2.7	4.0	5.3	93	20	15	139	28	.00	.00	.00
29	.00	2.4	3.7	4.4	62	17	12	45	35	.00	.00	.00
30	.00	2.0	3.3	4.3	---	14	9.0	24	20	.00	.00	.00
31	25	---	3.0	4.7	---	12	---	15	---	.00	.00	---
TOTAL	25.00	149.80	1520.5	1371.1	952.8	1641	695.1	417.3	3607.2	56.15	0.00	0.00
MEAN	.81	4.99	49.0	44.2	32.9	52.9	23.2	13.5	120	1.81	.000	.000
MAX	25	77	659	717	336	341	85	139	470	14	.00	.00
MIN	.00	.53	1.9	2.7	4.9	12	6.7	1.8	7.1	.00	.00	.00
AC-FT	50	297	3020	2720	1890	3250	1380	828	7150	111	.00	.00
CFSM	.03	.18	1.82	1.64	1.22	1.96	.86	.50	4.45	.07	.00	.00
IN.	.03	.21	2.09	1.89	1.31	2.26	.96	.57	4.97	.08	.00	.00

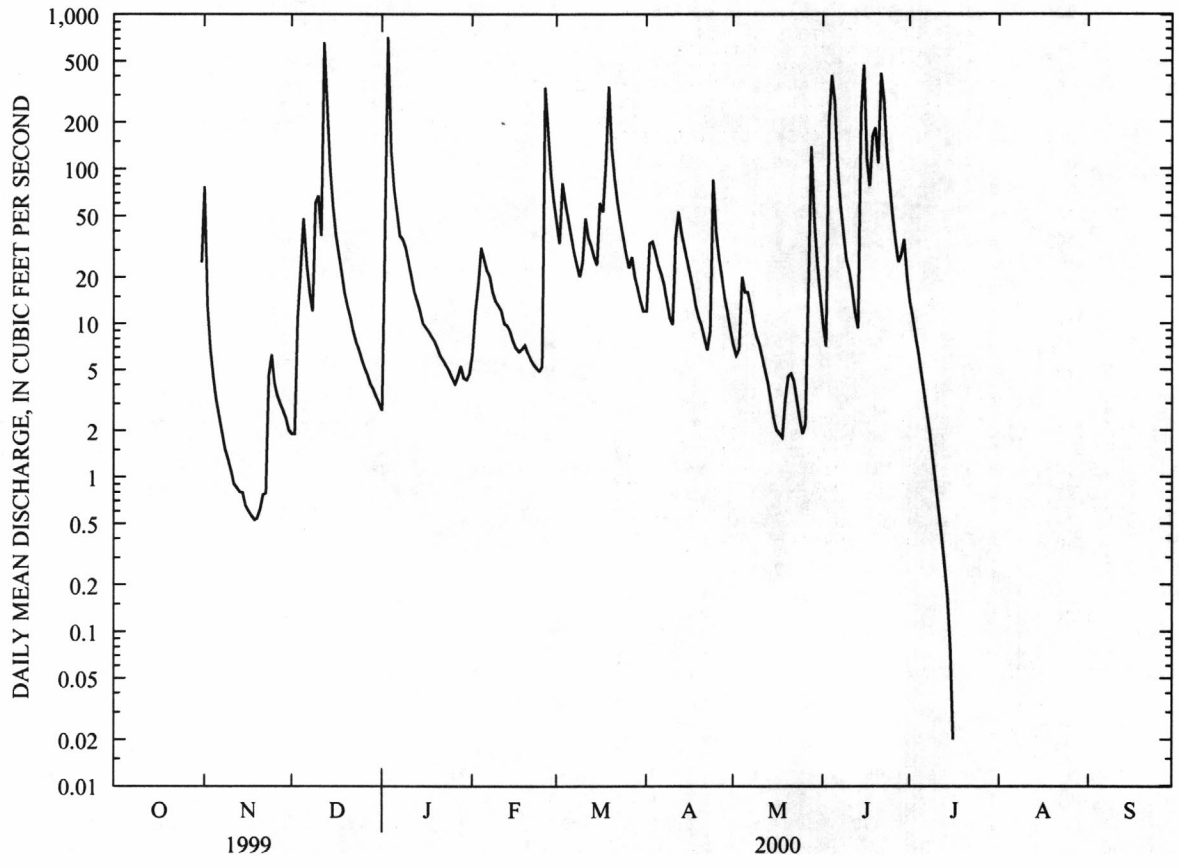
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	25.1	56.2	106	76.2	68.0	95.8	86.7	50.5	25.6	4.32	2.11	2.38
MAX	77.5	222	336	135	145	265	296	157	120	24.0	18.3	10.7
(WY)	1997	1997	1991	1991	1990	1990	1991	1990	2000	1994	1994	1996
MIN	.007	2.22	1.37	31.7	8.81	37.8	8.10	1.18	1.32	.024	.000	.000
(WY)	1996	1990	1990	1996	1996	1996	1992	1992	1998	1998	1991	1995

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	13178.48		10435.95			
ANNUAL MEAN	36.1		28.5		49.8	
HIGHEST ANNUAL MEAN					84.8	1991
LOWEST ANNUAL MEAN					19.8	1996
HIGHEST DAILY MEAN	1490	Jan 2	717	Jan 3	5800	Dec 21 1990
LOWEST DAILY MEAN	.00	Jul 20	.00	Oct 1	.00	Aug 21 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 20	.00	Oct 1	.00	Aug 21 1990
INSTANTANEOUS PEAK FLOW			[a]3370	Jan 3	[a]13500	Dec 21 1990
INSTANTANEOUS PEAK STAGE			10.43	Jan 3	[b]15.30	Dec 21 1990
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	26140		20700		36100	
ANNUAL RUNOFF (CFSM)	1.34		1.06		1.85	
ANNUAL RUNOFF (INCHES)	18.16		14.38		25.08	
10 PERCENT EXCEEDS	82		60		101	
50 PERCENT EXCEEDS	6.3		5.8		8.7	
90 PERCENT EXCEEDS	.00		.00		.00	

[a]From rating curve extended above 262 ft^3/s on basis of step-backwater computations
[b]From floodmark



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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
DEC											
12...	1630	81213	80513	1200	752	91	10.0	6.2	20	10.7	6
FEB											
14...	1015	81213	80513	9.1	749	97	11.2	6.5	15	8.4	6
26...	1545	81213	80513	621	755	93	9.9	6.8	23	12.4	7
MAY											
08...	0900	81213	80513	11	755	90	8.1	7.2	18	19.9	7
JUN											
21...	1745	81213	80513	1240	743	94	8.3	6.3	19	20.0	7

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC											
12...	1.0	.80	.70	.1	.80	21	4	1.2	<.10	4.3	2.3
FEB											
14...	.90	.90	.30	.2	1.1	27	4	1.4	<.10	3.6	2.0
26...	1.2	.90	.50	.2	.90	21	4	1.3	<.10	5.1	2.3
MAY											
08...	1.1	1.0	.40	.2	1.2	26	6	1.3	<.10	4.2	1.8
JUN											
21...	1.2	.90	.40	.2	.90	21	19	.90	<.10	5.2	1.6

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
DEC										
12...	.007	.40	.022	.024	.39	.42	.01	.10	.01	.002
FEB										
14...	.002	<.20	.010	.011	--	--	M	.04	M	.001
26...	.110	.40	.284	.288	.29	.69	.14	1.3	.01	.004
MAY										
08...	.004	<.20	.051	.054	--	--	.01	.23	.01	.003
JUN										
21...	.004	.42	.075	.078	.42	.50	.01	.33	.01	.003

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC										
12...	.01	.002	.023	60	.04	84.2	26	14	16	1000
FEB										
14...	--	<.001	.003	5	.02	.32	13	13	2.4	<1
26...	.01	.002	.033	80	.04	46.9	28	16	18	81
MAY										
08...	--	<.001	.006	5	.02	.50	17	15	3.4	K25
JUN										
21...	--	<.001	.028	60	.04	107	32	23	18	1600

07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)
DEC										
12...	K3800	120	480	17	39	<.10	8.0	8.5	120	37
FEB										
14...	K3	32	130	1.3	2	<.10	.80	.90	.15	6
26...	110	270	350	14	25	<.10	6.7	7.4	32	19
MAY										
08...	92	76	170	3.8	6	<.10	1.4	1.6	.24	8
JUN										
21...	4400	130	420	8.4	19	<.10	9.5	9.8	94	28

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
25...	1110	80513	80513	755	--	--	--	--	--	15.0	2.00	--
25...	1113	80513	80513	755	84	8.1	6.3	19	16.7	15.0	--	.00
25...	1114	80513	80513	755	82	8.0	6.3	19	16.6	15.0	--	5.00
25...	1115	80513	80513	755	85	8.3	6.3	19	16.3	15.0	--	10.0
25...	1116	80513	80513	755	82	8.0	6.3	19	16.0	15.0	--	15.0
25...	1130	81213	80513	755	--	--	--	--	--	15.0	--	--
FEB												
15...	1040	80513	80513	750	--	--	--	--	--	17.0	2.60	--
15...	1046	80513	80513	750	96	11.0	6.4	17	8.9	17.0	--	.00
15...	1047	80513	80513	750	95	11.0	6.3	17	8.3	17.0	--	5.00
15...	1048	80513	80513	750	92	10.8	6.3	17	7.7	17.0	--	10.0
15...	1049	80513	80513	750	90	10.6	6.2	17	7.4	17.0	--	15.0
15...	1050	81213	80513	750	89	10.6	6.1	17	7.4	17.0	--	17.0
MAY												
09...	1130	80513	80513	746	--	--	--	--	--	14.0	2.20	--
09...	1135	80513	80513	746	103	8.7	6.1	19	22.4	14.0	--	.00
09...	1136	80513	80513	746	101	8.6	6.2	19	22.4	14.0	--	5.00
09...	1138	80513	80513	746	81	7.3	6.1	20	18.9	14.0	--	14.0
09...	1145	81213	80513	746	--	--	--	--	--	14.0	--	--
AUG												
23...	1130	80513	80513	755	--	--	--	--	--	15.0	1.80	--
23...	1156	80513	80513	755	95	7.1	5.7	21	30.3	15.0	--	.00
23...	1158	80513	80513	755	91	6.9	5.8	21	29.3	15.0	--	5.00
23...	1159	80513	80513	755	79	6.0	5.7	21	28.9	15.0	--	10.0
23...	1201	80513	80513	755	58	4.5	5.5	20	28.1	15.0	--	13.0
23...	1203	80513	80513	755	33	2.6	5.4	21	27.0	15.0	--	15.0
23...	1210	80513	80513	755	--	--	--	--	--	15.0	--	--

DATE	TIME	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT									
25...	1130	4	.002	<.20	--	<.002	--	--	M
FEB									
15...	1050	3	.012	<.20	.044	.046	--	--	.02
MAY									
09...	1145	6	.012	.24	.005	.006	.23	.25	.02
AUG									
23...	1210	6	.012	.36	--	<.002	.35	--	.02

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLATINUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	TURBIDITY (NTU) (00076)
OCT									
25...	--	M	.001	--	<.001	.006	--	17	1.7
FEB									
15...	.19	.01	.002	--	<.001	.007	10	16	2.1
MAY									
09...	.02	M	.001	.01	.003	.016	5	17	1.6
AUG									
23...	--	M	.001	--	<.001	.009	<5	15	1.8

07362588 LAKE WINONA DOWNSTREAM FROM STILLHOUSE CREEK NEAR REFORM--CONTINIUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)
OCT									
25...	2.80	K2	<1	180	49	1.6	1.7	15	.00
FEB									
15...	<.100	<1	<1	200	20	2.7	3.2	15	.00
MAY									
09...	2.80	K3	K5	140	33	2.4	2.5	12	.00
AUG									
23...	4.00	K1	E4	180	34	2.7	3.0	12	.00

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
25...	1030	80513	80513	756	--	--	--	--	--	34.0	2.70	--
25...	1033	80513	80513	756	90	8.6	6.3	19	17.0	34.0	--	.00
25...	1034	80513	80513	756	85	8.1	6.3	19	16.9	34.0	--	5.00
25...	1035	80513	80513	756	82	7.9	6.4	19	16.9	34.0	--	10.0
25...	1036	80513	80513	756	83	8.0	6.3	19	16.8	34.0	--	15.0
25...	1037	80513	80513	756	82	7.9	6.3	19	16.8	34.0	--	20.0
25...	1039	80513	80513	756	53	5.2	6.0	19	15.8	34.0	--	24.0
25...	1040	80513	80513	756	31	3.1	5.7	20	15.0	34.0	--	25.0
25...	1041	80513	80513	756	12	1.3	5.6	20	13.5	34.0	--	27.0
25...	1042	80513	80513	756	7	.7	5.6	20	12.6	34.0	--	30.0
25...	1043	80513	80513	756	4	.4	5.6	22	11.9	34.0	--	34.0
25...	1050	81213	80513	756	--	--	--	--	--	34.0	--	--
25...	1100	81213	80513	756	--	--	--	--	--	34.0	--	--
FEB												
15...	1015	80513	80513	750	--	--	--	--	--	35.0	3.70	--
15...	1020	80513	80513	750	98	11.3	6.4	17	8.6	35.0	--	.00
15...	1021	80513	80513	750	101	11.7	6.4	17	8.2	35.0	--	4.90
15...	1022	80513	80513	750	102	11.9	6.4	17	8.0	35.0	--	10.0
15...	1023	80513	80513	750	103	12.0	6.3	17	7.9	35.0	--	15.0
15...	1024	80513	80513	750	100	11.7	6.3	17	7.6	35.0	--	20.0
15...	1025	80513	80513	750	98	11.5	6.2	17	7.6	35.0	--	25.0
15...	1026	80513	80513	750	108	12.7	6.2	17	7.5	35.0	--	30.0
15...	1028	80513	80513	750	89	10.5	6.3	17	7.4	35.0	--	35.0
15...	1030	81213	80513	750	--	--	--	--	--	35.0	--	--
MAY												
09...	1055	80513	80513	745	--	--	--	--	--	35.0	2.80	--
09...	1101	80513	80513	745	105	9.0	6.2	18	21.9	35.0	--	.00
09...	1102	80513	80513	745	105	9.0	6.3	18	21.8	35.0	--	5.00
09...	1103	80513	80513	745	105	9.1	6.3	18	21.0	35.0	--	10.0
09...	1105	80513	80513	745	104	9.2	6.3	18	20.4	35.0	--	12.0
09...	1106	80513	80513	745	99	8.9	6.2	19	19.3	35.0	--	15.0
09...	1107	80513	80513	745	86	8.0	6.1	19	17.6	35.0	--	20.0
09...	1108	80513	80513	745	77	7.4	6.0	18	16.1	35.0	--	25.0
09...	1109	80513	80513	745	76	7.4	6.0	18	15.2	35.0	--	30.0
09...	1110	80513	80513	745	62	6.2	6.0	18	14.4	35.0	--	35.0
09...	1120	81213	80513	745	--	--	--	--	--	35.0	--	--
AUG												
23...	1100	80513	80513	755	--	--	--	--	--	35.0	2.30	--
23...	1110	80513	80513	755	96	7.2	6.1	21	29.6	35.0	--	.00
23...	1112	80513	80513	755	96	7.3	6.1	20	29.1	35.0	--	5.00
23...	1114	80513	80513	755	94	7.2	6.1	20	29.0	35.0	--	10.0
23...	1116	80513	80513	755	74	5.7	5.8	20	28.4	35.0	--	14.0
23...	1118	80513	80513	755	44	3.5	5.7	20	27.0	35.0	--	15.0
23...	1120	80513	80513	755	38	3.0	5.4	20	26.3	35.0	--	16.0
23...	1122	80513	80513	755	26	2.1	5.4	20	25.6	35.0	--	17.0
23...	1123	80513	80513	755	12	1.0	5.4	20	23.6	35.0	--	18.0
23...	1124	80513	80513	755	2	.2	5.4	20	22.2	35.0	--	19.0
23...	1125	80513	80513	755	1	.1	5.5	21	20.8	35.0	--	20.0
23...	1126	80513	80513	755	1	.1	5.5	21	20.3	35.0	--	21.0
23...	1128	80513	80513	755	1	.1	5.5	21	19.2	35.0	--	23.0
23...	1129	80513	80513	755	1	.1	5.6	23	18.2	35.0	--	25.0
23...	1131	80513	80513	755	5	.5	5.5	20	16.4	35.0	--	30.0
23...	1133	80513	80513	755	5	.5	5.7	21	14.1	35.0	--	35.0
23...	1140	80513	80513	755	--	--	--	--	--	35.0	--	--
23...	1145	80513	80513	755	--	--	--	--	--	35.0	--	--

DATE	TIME	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)
OCT									
25...	1050	5	.003	<.20	--	<.002	--	M	--
25...	1100	4	<.002	<.20	.003	.004	--	--	.01
FEB									
15...	1030	4	.022	<.20	.055	.056	--	.03	.24
MAY									
09...	1120	6	.009	<.20	.016	.017	--	.01	.07
AUG									
23...	1140	8	.007	.21	--	<.002	.20	.01	--
23...	1145	6	.009	.22	--	<.002	.21	.01	--

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)
OCT									
25...	M	.001	--	<.001	.005	--	14	.64	2.20
25...	M	.001	--	<.001	.004	--	12	1.6	--
FEB									
15...	M	.001	--	<.001	.005	10	18	1.7	1.20
MAY									
09...	M	.001	.02	.005	.006	5	16	1.2	5.30
AUG									
23...	--	<.001	--	<.001	.007	<5	20	.88	2.70
23...	.01	.002	--	<.001	.009	5	16	2.5	--

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)
OCT								
25...	<1	<1	130	51	1.5	1.6	21	.00
25...	<1	<1	190	96	1.5	1.6	33	21
FEB								
15...	<1	<1	180	28	2.3	2.5	33	.00
MAY								
09...	K2	K1	70	18	2.4	2.5	30	.00
AUG								
23...	K2	E1	90	19	2.7	2.7	15	.00
23...	--	--	350	160	2.9	2.9	35	18

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 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
OCT												
25...	0930	80513	80513	753	--	--	--	--	--	78.0	2.60	--
25...	0932	80513	80513	753	89	8.5	6.5	19	16.9	78.0	--	.00
25...	0933	80513	80513	753	84	8.0	6.4	19	17.0	78.0	--	5.00
25...	0934	80513	80513	753	84	8.0	6.4	19	17.0	78.0	--	10.0
25...	0935	80513	80513	753	83	7.9	6.3	19	17.0	78.0	--	15.0
25...	0936	80513	80513	753	81	7.7	6.3	19	17.0	78.0	--	20.0
25...	0938	80513	80513	753	53	5.1	5.9	19	16.9	78.0	--	23.0
25...	0939	80513	80513	753	19	1.8	5.7	20	15.3	78.0	--	25.0
25...	0940	80513	80513	753	16	1.6	5.5	19	14.5	78.0	--	26.0
25...	0941	80513	80513	753	17	1.8	5.5	19	13.3	78.0	--	28.0
25...	0942	80513	80513	753	18	1.9	5.5	19	12.5	78.0	--	30.0
25...	0943	80513	80513	753	22	2.4	5.5	19	11.5	78.0	--	35.0
25...	0944	80513	80513	753	22	2.4	5.5	19	11.1	78.0	--	40.0
25...	0945	80513	80513	753	8	.9	5.5	21	10.7	78.0	--	45.0
25...	0946	80513	80513	753	21	2.3	5.5	20	10.3	78.0	--	50.0
25...	0947	80513	80513	753	17	1.9	5.5	21	9.9	78.0	--	55.0
25...	0948	80513	80513	753	7	.8	5.5	22	9.8	78.0	--	60.0
25...	0949	80513	80513	753	7	.8	5.5	22	9.7	78.0	--	65.0
25...	0950	80513	80513	753	5	.5	5.5	22	9.6	78.0	--	70.0
25...	0951	80513	80513	753	4	.4	5.6	25	9.5	78.0	--	75.0
25...	0952	80513	80513	753	4	.4	6.1	44	9.5	78.0	--	78.0
25...	1010	81213	80513	753	--	--	--	--	--	78.0	--	--
25...	1020	81213	80513	753	--	--	--	--	--	78.0	--	--
FEB												
15...	0910	80513	80513	752	--	--	--	--	--	74.0	3.10	--
15...	0916	80513	80513	752	95	11.0	6.5	17	8.1	74.0	--	.00
15...	0917	80513	80513	752	95	11.1	6.5	17	8.1	74.0	--	5.00
15...	0918	80513	80513	752	94	11.0	6.4	17	8.1	74.0	--	10.0
15...	0919	80513	80513	752	97	11.3	6.4	17	8.0	74.0	--	15.0
15...	0920	80513	80513	752	96	11.3	6.3	17	7.9	74.0	--	20.0
15...	0921	80513	80513	752	95	11.1	6.3	17	7.8	74.0	--	25.0
15...	0922	80513	80513	752	94	11.0	6.3	17	7.6	74.0	--	30.0
15...	0923	80513	80513	752	93	11.0	6.2	17	7.4	74.0	--	35.0
15...	0924	80513	80513	752	90	10.7	6.2	17	7.4	74.0	--	40.0
15...	0925	80513	80513	752	91	10.8	6.2	17	7.3	74.0	--	45.0
15...	0926	80513	80513	752	90	10.7	6.2	17	7.2	74.0	--	50.0
15...	0927	80513	80513	752	88	10.6	6.2	17	6.9	74.0	--	55.0
15...	0928	80513	80513	752	87	10.5	6.1	17	6.8	74.0	--	60.0
15...	0929	80513	80513	752	87	10.4	6.1	17	6.8	74.0	--	65.0
15...	0930	80513	80513	752	87	10.5	6.1	17	6.8	74.0	--	70.0
15...	0931	80513	80513	752	85	10.3	6.1	17	6.7	74.0	--	74.0
15...	0940	81213	80513	752	--	--	--	--	--	74.0	--	--
MAY												
09...	0955	80513	80513	745	--	--	--	--	--	79.0	2.60	--
09...	0958	80513	80513	745	101	8.7	6.4	18	21.5	79.0	--	.00
09...	1000	80513	80513	745	103	8.9	6.4	18	21.5	79.0	--	5.00
09...	1001	80513	80513	745	104	9.0	6.4	18	21.2	79.0	--	10.0
09...	1002	80513	80513	745	105	9.3	6.4	18	20.3	79.0	--	15.0
09...	1003	80513	80513	745	103	9.2	6.4	18	19.5	79.0	--	17.0
09...	1004	80513	80513	745	99	9.1	6.4	18	18.4	79.0	--	20.0
09...	1005	80513	80513	745	92	8.6	6.3	18	17.7	79.0	--	23.0
09...	1006	80513	80513	745	87	8.2	6.2	18	17.1	79.0	--	25.0
09...	1007	80513	80513	745	79	7.7	6.2	18	15.9	79.0	--	28.0
09...	1008	80513	80513	745	76	7.5	6.1	18	15.2	79.0	--	30.0
09...	1009	80513	80513	745	72	7.2	6.1	18	14.0	79.0	--	32.0
09...	1010	80513	80513	745	69	7.1	6.0	18	13.0	79.0	--	34.0
09...	1011	80513	80513	745	69	7.2	5.9	18	12.7	79.0	--	35.0
09...	1012	80513	80513	745	67	7.2	5.9	18	11.2	79.0	--	40.0
09...	1013	80513	80513	745	67	7.2	5.9	18	10.7	79.0	--	45.0
09...	1014	80513	80513	745	65	7.2	5.8	18	10.0	79.0	--	50.0
09...	1015	80513	80513	745	63	7.1	5.8	18	9.6	79.0	--	55.0
09...	1016	80513	80513	745	58	6.5	5.7	18	9.5	79.0	--	60.0
09...	1017	80513	80513	745	61	6.9	5.6	18	9.3	79.0	--	65.0
09...	1018	80513	80513	745	59	6.7	5.6	18	9.1	79.0	--	70.0
09...	1019	80513	80513	745	54	6.1	5.5	19	9.1	79.0	--	75.0
09...	1020	80513	80513	745	54	6.1	5.5	19	9.1	79.0	--	79.0
09...	1025	81213	80513	745	--	--	--	--	--	79.0	--	--
09...	1030	81213	80513	745	--	--	--	--	--	79.0	--	--

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	RESERVOIR DEPTH (FEET) (72025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SAMPLING DEPTH (FEET) (00003)
AUG												
23...	0945	80020	80513	755	--	--	--	--	--	79.0	2.40	--
23...	0958	80513	80513	755	96	7.3	6.1	20	29.2	79.0	--	.00
23...	0959	80513	80513	755	96	7.3	6.1	20	29.1	79.0	--	5.00
23...	1000	80513	80513	755	96	7.3	6.1	20	29.1	79.0	--	10.0
23...	1001	80513	80513	755	94	7.2	5.9	21	29.0	79.0	--	13.0
23...	1002	80513	80513	755	55	4.3	5.7	20	27.3	79.0	--	15.0
23...	1004	80513	80513	755	42	3.4	5.6	20	26.2	79.0	--	16.0
23...	1005	80513	80513	755	24	2.0	5.5	20	24.4	79.0	--	17.0
23...	1006	80513	80513	755	15	1.2	5.5	20	23.7	79.0	--	18.0
23...	1007	80513	80513	755	8	.7	5.5	20	22.7	79.0	--	19.0
23...	1008	80513	80513	755	2	.2	5.4	20	21.7	79.0	--	20.0
23...	1009	80513	80513	755	1	.1	5.5	21	21.2	79.0	--	21.0
23...	1010	80513	80513	755	1	.1	5.5	20	20.0	79.0	--	22.0
23...	1011	80513	80513	755	2	.1	5.5	20	18.9	79.0	--	24.0
23...	1012	80513	80513	755	2	.2	5.5	20	18.4	79.0	--	25.0
23...	1013	80513	80513	755	7	.7	5.5	20	17.2	79.0	--	28.0
23...	1014	80513	80513	755	13	1.3	5.5	20	16.0	79.0	--	30.0
23...	1016	80513	80513	755	18	1.8	5.7	20	14.4	79.0	--	34.0
23...	1017	80513	80513	755	19	1.9	5.7	20	14.0	79.0	--	35.0
23...	1018	80513	80513	755	22	2.3	5.7	20	12.7	79.0	--	40.0
23...	1019	80513	80513	755	29	3.1	5.7	19	12.0	79.0	--	45.0
23...	1020	80513	80513	755	28	3.0	5.8	19	11.3	79.0	--	50.0
23...	1021	80513	80513	755	31	3.4	5.8	20	10.8	79.0	--	55.0
23...	1022	80513	80513	755	21	2.3	5.8	22	10.2	79.0	--	60.0
23...	1023	80513	80513	755	16	1.8	5.8	22	9.9	79.0	--	65.0
23...	1024	80513	80513	755	15	1.7	5.7	23	9.7	79.0	--	70.0
23...	1025	80513	80513	755	9	1.1	5.7	24	9.6	79.0	--	75.0
23...	1026	80513	80513	755	2	.2	5.7	26	9.6	79.0	--	79.0
23...	1030	80513	80513	755	--	--	--	--	--	79.0	--	--
23...	1045	80513	80513	755	--	--	--	--	--	79.0	--	--

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
25...	1010	7	1.4	.90	.50	.2	1.0	22	5	1.1	<.10
25...	1020	7	1.4	.90	.50	.2	1.0	22	4	1.1	<.10
FEB											
15...	0940	7	1.3	.90	.40	.2	1.0	23	4	1.0	<.10
MAY											
09...	1025	7	1.4	.90	.40	.1	.70	16	5	1.2	<.10
09...	1030	7	1.4	.90	.40	.1	.70	16	5	1.2	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
OCT											
25...	2.7	2.3	<.002	<.20	--	<.002	--	--	--	--	M
25...	3.4	2.3	.005	.32	.027	.028	.31	.35	.01	.12	M
FEB											
15...	3.9	2.3	.032	<.20	.057	.060	--	--	.04	.25	.01
MAY											
09...	1.9	2.4	.005	<.20	.017	.019	--	--	.01	.08	.01
09...	2.4	2.4	.035	<.20	.057	.059	--	--	.05	.25	.01

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
25...	.001	.02	.006	.007	5	.02	13	13	1.0	2.70	<1
25...	.001	.01	.004	.006	10	.02	15	13	1.3	--	K2
FEB											
15...	.003	--	<.001	.006	10	.02	14	14	1.6	1.20	<1
MAY											
09...	.002	--	<.001	.011	5	.02	16	12	1.0	3.50	K2
09...	.002	M	.001	.005	5	.02	16	13	1.0	--	K1

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)
OCT										
25...	<1	30	120	8.2	52	<.10	1.5	1.6	21	.00
25...	<1	100	230	170	200	<.10	1.6	1.7	78	24
FEB										
15...	<1	84	190	23	33	<.10	3.2	3.6	72	.00
MAY										
09...	K1	16	60	.60	14	<.10	2.5	2.6	24	.00
09...	K1	17	70	2.3	14	<.10	2.4	2.4	76	24

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG										
23...	1030	8	1.4	1.0	.40	.2	1.1	23	8	1.3
23...	1045	8	1.4	1.0	.40	.2	1.0	21	6	1.1

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
AUG										
23...	<.10	2.6	2.0	.006	.22	<.002	.21	.01	<.001	<.001
23...	<.10	2.9	2.2	.014	<.20	.066	--	.02	<.001	<.001

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
AUG									
23...	.008	5	.02	16	15	1.0	3.10	K2	E4
23...	.006	5	.02	16	14	1.6	--	--	--

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)
AUG									
23...	16	80	<1.0	17	<.10	2.8	2.9	15	.00
23...	38	170	170	200	<.10	2.2	2.3	78	18

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 State Highway 35, 6.0 mi south of Sheridan.

DRAINAGE AREA.--261 mi².

PERIOD OF RECORD.--October 1995 to current year. Gage-height records 1938-40 and 1947-64 are published in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. January 1, 1938 to Dec. 31, 1940 and Jan. 1, 1947 to Nov. 29, 1948, non-recording gage at present site at datum 180.10 ft above sea level. Nov. 30, 1948 to Dec. 31, 1964 water-stage recorder at present site and at datum then in use.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	6.4	10	198	91	11	38	90	.00	.00
2	.00	4.2	.00	5.4	12	171	110	10	24	47	.00	.00
3	.00	2.0	.00	3.8	13	156	165	9.8	17	28	.00	.00
4	.00	.36	.00	4.2	15	150	242	15	15	19	.00	.00
5	.00	7.6	.00	4.2	18	159	226	62	46	16	.00	.00
6	.00	8.4	.49	3.8	16	145	163	356	127	15	.00	.00
7	.00	5.6	26	28	13	137	125	308	117	13	.00	.00
8	.00	3.1	36	35	11	139	101	213	63	11	.00	.00
9	.00	1.3	17	37	10	129	85	122	39	10	.00	.00
10	.00	.42	11	36	9.3	122	72	78	26	8.9	.00	.00
11	.00	.00	7.9	38	8.8	108	71	68	20	7.9	.00	.00
12	.00	.00	8.2	35	8.5	68	89	56	17	6.4	.00	.00
13	.00	.00	84	34	8.0	61	131	46	15	5.6	.00	.00
14	.00	.00	240	25	7.9	48	140	58	13	4.9	.00	.00
15	.00	.00	202	12	7.8	41	121	63	152	4.3	.00	.00
16	.00	.00	104	8.1	8.1	98	104	43	680	3.7	.00	.00
17	.00	.00	58	6.4	7.6	357	89	28	753	3.2	.00	.00
18	.00	.00	38	4.9	6.4	422	74	21	661	2.3	.00	.00
19	.00	.00	27	4.1	5.6	286	64	86	239	1.8	.00	.00
20	.00	.00	19	3.5	6.4	319	55	139	134	1.4	.00	.00
21	.00	.00	14	3.2	12	285	47	116	165	1.1	.00	.00
22	.00	.00	11	3.0	16	179	38	131	246	.90	.00	.00
23	.00	.00	8.7	6.2	11	128	31	124	345	.52	.00	.00
24	.00	.00	7.8	7.2	8.8	102	32	71	357	.23	.00	.00
25	.00	.00	7.3	7.5	7.9	110	40	46	205	.20	.00	.00
26	.00	.00	6.6	7.7	14	107	51	32	128	.20	.00	.00
27	.00	.00	5.9	8.2	113	139	46	25	101	.07	.00	.00
28	.00	.00	5.2	9.3	308	163	28	64	91	.00	.00	.00
29	.00	.00	5.4	9.0	258	157	19	115	97	.00	.00	.00
30	.00	.00	7.0	9.2	---	128	14	132	166	.09	.00	.00
31	.00	---	5.9	9.6	---	106	---	67	---	.05	.00	---
TOTAL	0.00	32.98	963.39	414.9	951.1	4918	2664	2715.8	5097	302.76	0.00	0.00
MEAN	.000	1.10	31.1	13.4	32.8	159	88.8	87.6	170	9.77	.000	.000
MAX	.00	8.4	240	38	308	422	242	356	753	90	.00	.00
MIN	.00	.00	.00	3.0	5.6	41	14	9.8	13	.00	.00	.00
AC-FT	.00	65	1910	823	1890	9750	5280	5390	10110	601	.00	.00

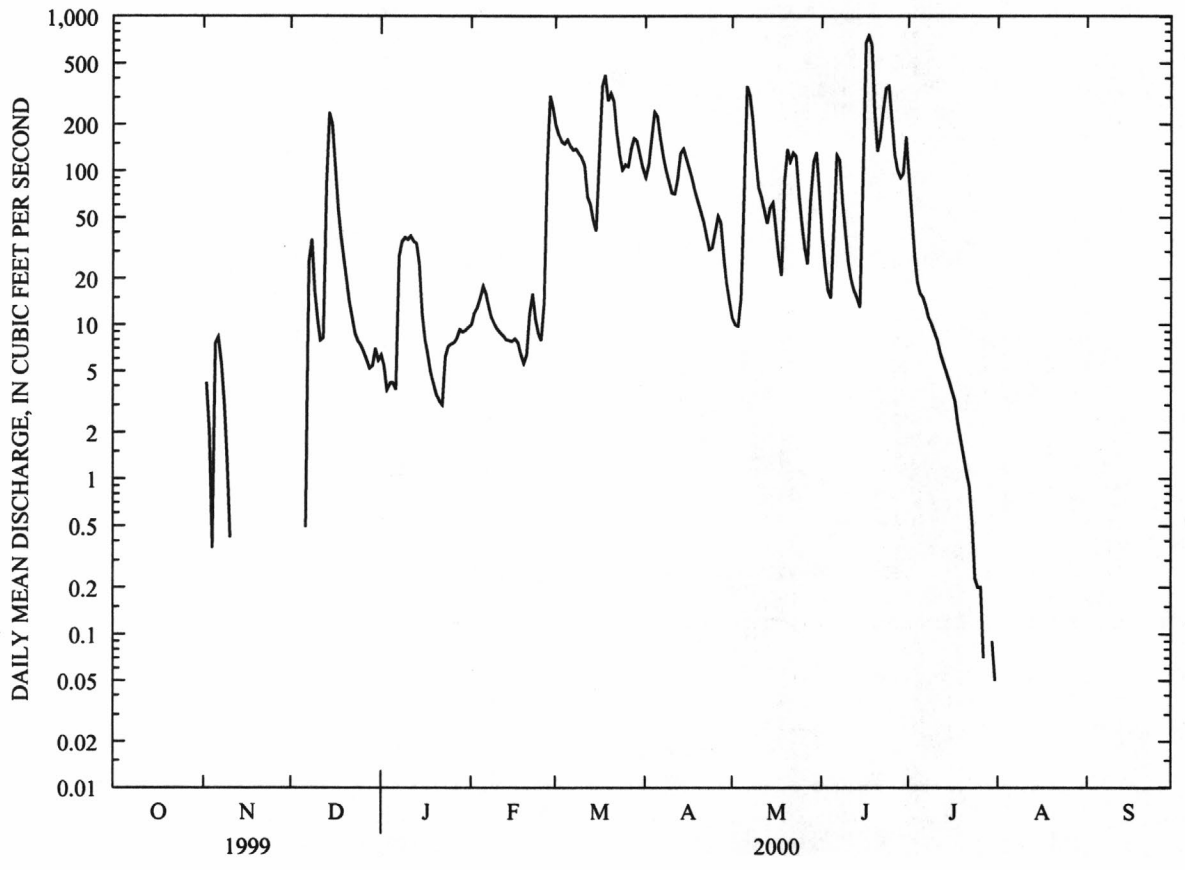
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	28.6	83.9	169	336	375	481	595	126	173	44.0	31.1	18.8
MAX	64.9	284	375	723	836	1021	2035	259	538	95.7	131	55.9
(WY)	1997	1997	1997	1998	1997	1997	1997	1997	1997	1997	1996	1998
MIN	.000	1.10	12.5	13.4	32.8	102	88.8	20.7	5.63	2.19	.000	.000
(WY)	1996	2000	1996	2000	2000	1996	2000	1998	1998	1998	2000	1999

07363400 HURRICANE CREEK BELOW SHERIDAN--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	67322.46		18059.93			
ANNUAL MEAN	184		49.3		204	
HIGHEST ANNUAL MEAN					488	1997
LOWEST ANNUAL MEAN					49.3	2000
HIGHEST DAILY MEAN	1820	Feb 2	753	Jun 17	20100	Apr 6 1997
LOWEST DAILY MEAN	.00	Aug 18	.00	Oct 1	.00	Oct 1 1995
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 18	.00	Oct 1	.00	Oct 1 1995
INSTANTANEOUS PEAK FLOW			784	Jun 17	[a]26400	Apr 6 1997
INSTANTANEOUS PEAK STAGE			9.61	Jun 17	16.34	Apr 6 1997
INSTANTANEOUS LOW FLOW			.00	at times	.00	at times
ANNUAL RUNOFF (AC-FT)	133500		35820		147500	
10 PERCENT EXCEEDS	582		142		500	
50 PERCENT EXCEEDS	26		8.1		38	
90 PERCENT EXCEEDS	.00		.00		.00	

[a]From rating curve extended above 2,300 ft^3/s on basis of contracted-opening measurement of peak flow



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 mi².

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above sea level. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily dischargesRecords 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

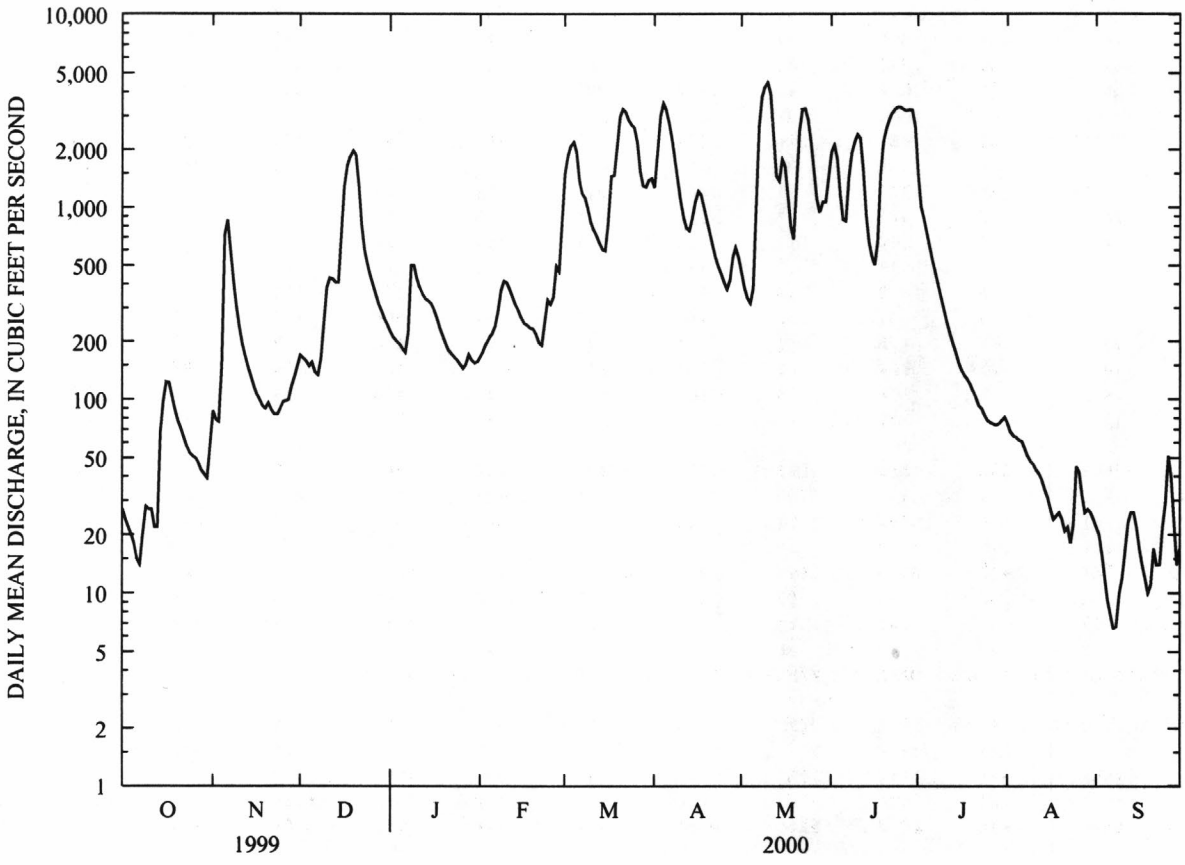
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	87	170	225	168	1500	1270	453	1940	1510	75	22
2	24	79	164	210	180	1860	1980	381	2120	1010	68	20
3	22	77	158	201	197	2100	3000	339	1800	876	65	16
4	20	150	149	194	211	2210	3500	317	1180	749	64	12
5	18	722	156	184	221	1940	3210	381	869	631	62	9.2
6	15	865	138	175	241	1380	2770	1170	851	531	61	7.8
7	14	612	134	222	291	1180	2270	2640	1430	453	56	6.6
8	20	418	164	500	371	1120	1790	3760	1910	389	51	6.7
9	28	308	245	499	415	979	1380	4260	2200	336	48	10
10	27	240	383	425	407	838	1080	4510	2400	292	46	12
11	27	197	430	381	376	764	891	3920	2290	253	43	17
12	22	169	425	354	342	715	785	2510	1570	219	41	23
13	22	148	407	335	312	653	758	1460	932	195	38	26
14	68	132	407	327	289	608	872	1370	668	175	34	26
15	98	118	753	316	266	596	1060	1780	559	155	31	22
16	123	107	1300	292	249	827	1210	1640	503	142	27	17
17	122	100	1650	265	243	1450	1160	1130	664	133	24	14
18	104	93	1850	235	235	1470	1000	803	1480	127	25	12
19	89	90	1980	214	233	2080	856	687	2190	120	26	10
20	78	96	1880	195	218	2980	735	1210	2560	110	24	11
21	71	89	1310	180	198	3260	632	2510	2860	102	21	17
22	64	84	812	172	191	3140	548	3240	3100	93	22	14
23	57	84	605	166	254	2850	491	3270	3260	90	18	14
24	53	90	508	160	331	2700	451	2870	3340	83	23	22
25	51	97	442	152	314	2600	407	2210	3320	78	45	29
26	50	98	391	145	341	2170	376	1580	3240	76	42	51
27	47	100	348	153	495	1550	421	1110	3200	75	32	40
28	43	117	312	171	464	1300	547	940	3220	74	26	23
29	41	131	288	160	848	1280	622	1070	3210	75	27	14
30	39	149	261	155	---	1390	546	1070	2640	78	26	17
31	59	---	243	157	---	1420	---	1440	---	81	24	---
TOTAL	1543	5847	18463	7520	8901	50910	36618	56031	61506	9311	1215	541.3
MEAN	49.8	195	596	243	307	1642	1221	1807	2050	300	39.2	18.0
MAX	123	865	1980	500	848	3260	3500	4510	3340	1510	75	51
MIN	14	77	134	145	168	596	376	317	503	74	18	6.6
AC-FT	3060	11600	36620	14920	17660	101000	72630	111100	122000	18470	2410	1070
CFSM	.02	.09	.28	.12	.15	.78	.58	.86	.98	.14	.02	.01
IN.	.03	.10	.33	.13	.16	.90	.65	.99	1.09	.16	.02	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	494	1201	2876	3812	5042	5323	5288	4618	1494	586	285	342
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	307	706	640	352	80.5	32.5	10.6	4.95
(WY)	1939	1940	1940	1956	2000	1940	1972	1992	1972	1954	1954	1954

07363500 SALINE RIVER NEAR RYE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	819954		258406.3			
ANNUAL MEAN	2246		706		2601	
HIGHEST ANNUAL MEAN					5436	1973
LOWEST ANNUAL MEAN					704	1972
HIGHEST DAILY MEAN	14900	Mar 21	4510	May 10	72500	May 18 1968
LOWEST DAILY MEAN	14	Oct 7	6.6	Sep 7	3.8	Sep 16 1954
ANNUAL SEVEN-DAY MINIMUM	19	Oct 2	9.2	Sep 4	4.0	Sep 15 1954
INSTANTANEOUS PEAK FLOW			4550	May 10	74500	May 18 1968
INSTANTANEOUS PEAK STAGE			14.60	May 10	31.40	May 18 1968
INSTANTANEOUS LOW FLOW			5.9	Sep 7	3.5	Sep 27 1954
ANNUAL RUNOFF (AC-FT)	1626000		512500		1884000	
ANNUAL RUNOFF (CFSM)	1.07		.34		1.24	
ANNUAL RUNOFF (INCHES)	14.51		4.57		16.81	
10 PERCENT EXCEEDS	8370		2200		7430	
50 PERCENT EXCEEDS	508		258		672	
90 PERCENT EXCEEDS	38		23		65	



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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage 144.13 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

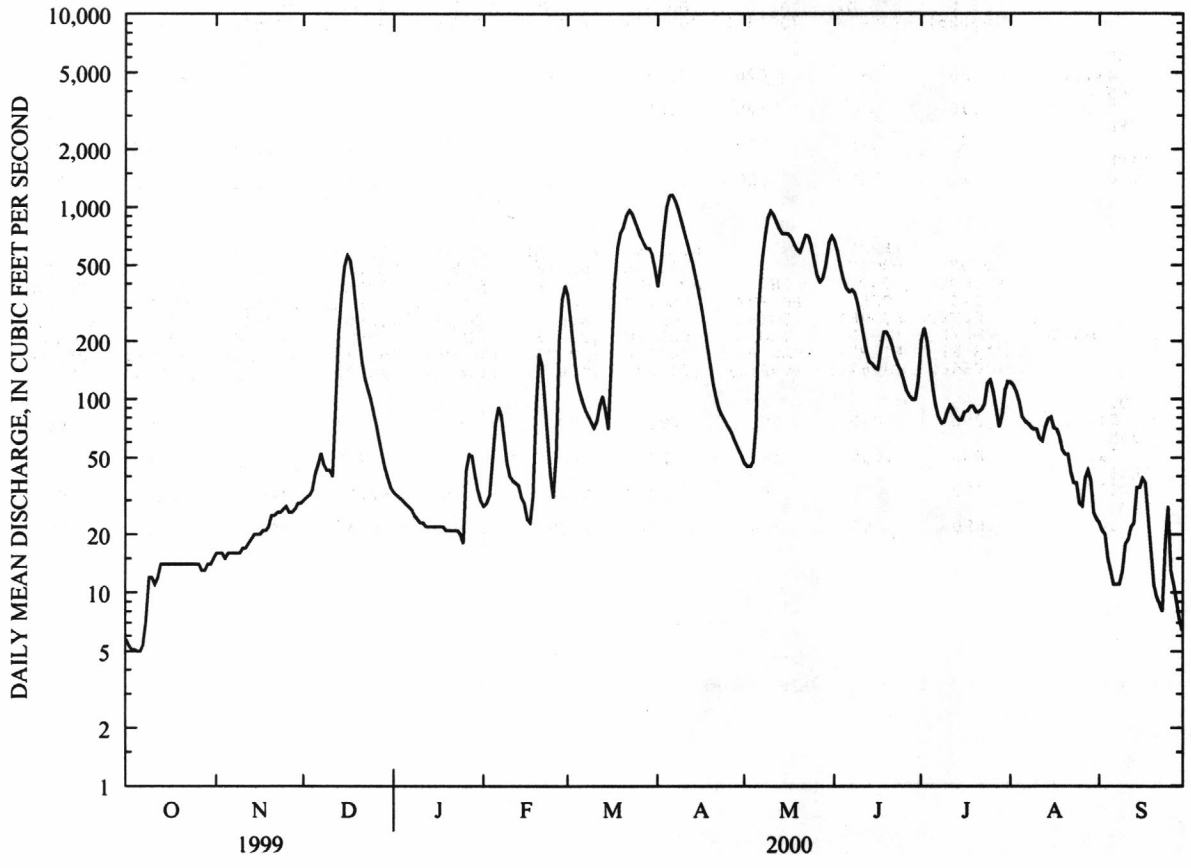
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	16	30	33	28	348	388	47	667	203	122	23
2	5.4	16	31	32	29	258	511	45	583	235	117	21
3	5.1	16	32	31	32	174	745	45	492	202	109	20
4	5.1	15	34	30	49	127	1010	48	422	154	97	15
5	5.0	16	41	29	75	109	1150	74	380	116	81	13
6	5.0	16	46	28	91	97	1160	320	364	93	77	11
7	5.4	16	53	27	82	88	1080	520	372	81	75	11
8	7.1	16	46	25	62	82	976	698	358	75	72	11
9	12	16	43	24	47	76	864	879	316	76	70	13
10	12	17	43	23	40	71	760	958	263	86	70	18
11	11	17	40	23	38	77	671	911	215	93	63	19
12	12	18	84	22	37	93	589	838	178	88	61	22
13	14	19	220	22	36	104	513	774	157	82	71	23
14	14	20	351	22	31	87	437	729	153	78	79	35
15	14	20	494	22	29	70	370	729	146	78	81	35
16	14	20	564	22	24	170	302	727	143	86	71	39
17	14	21	529	22	23	403	236	695	182	87	70	37
18	14	21	425	22	32	617	187	644	223	92	64	24
19	14	22	310	21	90	741	149	602	223	92	55	16
20	14	25	216	21	172	795	121	583	210	86	52	11
21	14	25	156	21	151	909	103	643	190	86	52	9.5
22	14	26	128	21	96	971	90	717	165	89	42	8.8
23	14	26	113	21	60	927	83	708	150	95	37	8.0
24	14	27	100	20	41	849	78	627	140	121	37	18
25	14	28	86	18	31	771	73	525	125	126	29	28
26	14	26	73	43	52	703	69	444	111	110	28	13
27	13	26	61	52	204	652	64	408	104	88	39	11
28	13	27	52	51	334	613	59	430	99	72	43	9.0
29	14	29	44	41	392	613	55	510	100	83	38	7.3
30	14	29	39	34	---	567	51	656	126	111	26	6.4
31	15	---	35	30	---	476	---	711	---	123	24	---
TOTAL	355.9	632	4519	853	2408	12638	12944	17245	7357	3287	1952	536.0
MEAN	11.5	21.1	146	27.5	83.0	408	431	556	245	106	63.0	17.9
MAX	15	29	564	52	392	971	1160	958	667	235	122	39
MIN	5.0	15	30	18	23	70	51	45	99	72	24	6.4
AC-FT	706	1250	8960	1690	4780	25070	25670	34210	14590	6520	3870	1060
CFSM	.03	.06	.38	.07	.22	1.07	1.14	1.46	.65	.28	.17	.05
IN.	.03	.06	.44	.08	.24	1.24	1.27	1.69	.72	.32	.19	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2000, BY WATER YEAR (WY)

MEAN	104	290	583	1015	1031	1119	916	555	271	345	158	56.8
MAX	625	959	1618	2748	2861	3057	2229	1791	726	2488	419	123
(WY)	1991	1988	1992	1988	1990	1997	1991	1991	1989	1989	1989	1989
MIN	1.53	3.03	146	27.5	83.0	321	162	55.3	8.58	31.5	34.3	10.4
(WY)	1996	1996	2000	2000	2000	1988	1998	1988	1988	1990	1995	1995

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1988 - 2000	
ANNUAL TOTAL	163811.5		64726.9			
ANNUAL MEAN	449		177		535	
HIGHEST ANNUAL MEAN					966	1989
LOWEST ANNUAL MEAN					174	1996
HIGHEST DAILY MEAN	3160	Feb 2	1160	Apr 6	5210	Mar 7 1997
LOWEST DAILY MEAN	5.0	Oct 5	5.0	Oct 5	.25	Oct 21 1995
ANNUAL SEVEN-DAY MINIMUM	5.3	Oct 1	5.3	Oct 1	.27	Oct 20 1995
INSTANTANEOUS PEAK FLOW			1180	Apr 5,6	5220	Mar 7 1997
INSTANTANEOUS PEAK STAGE			11.18	Apr 5,6	22.22	Feb 10 1990
INSTANTANEOUS LOW FLOW			5.0	Oct 5,6	.24	Oct 21 1995
ANNUAL RUNOFF (AC-FT)	324900		128400		387500	
ANNUAL RUNOFF (CFSM)	1.18		.47		1.41	
ANNUAL RUNOFF (INCHES)	16.04		6.34		19.13	
10 PERCENT EXCEEDS	1670		620		1540	
50 PERCENT EXCEEDS	99		70		187	
90 PERCENT EXCEEDS	14		14		16	



07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1998 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV 01...	1030	81213	80513	16	760	53	5.2	7.4	545	15.7
JAN 04...	1115	81213	80513	33	755	49	5.3	6.8	198	11.1
FEB 29...	1237	81213	80513	406	748	62	6.4	6.9	199	13.4
APR 04...	1045	81213	80513	1030	771	59	5.9	7.6	105	15.7

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
NOV 01...	180	47	16	5.4	.9	29	25	59	12	.020
JAN 04...	56	14	5.0	5.1	.7	12	30	16	15	.030
FEB 29...	58	15	5.1	4.0	.7	13	31	17	11	.150
APR 04...	32	8.1	2.8	3.2	.4	5.2	24	6.6	5.3	.050

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV 01...	.36	--	<.020	.34	--	.03	--	--	<.010	.21
JAN 04...	.90	--	.120	.87	1.0	.04	--	--	<.010	.15
FEB 29...	1.6	.950	.970	1.5	2.6	.19	4.2	.07	.020	.21
APR 04...	1.2	.410	.420	1.1	1.6	.06	1.8	.03	.010	.31

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	.080	.070	.090	295	K80	330	K33	1.7	39	100
JAN 04...	.080	.050	.180	123	680	K710	210	5.7	64	97
FEB 29...	.100	.070	.360	122	1400	600	K2100	346	316	99
APR 04...	.090	.100	.350	71	1500	K1200	5600	576	207	99

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
13...	0945	81213	80513	766	43	3.3	7.2
13...	0946	80513	80513	766	45	3.5	7.3
13...	0948	80513	80513	766	43	3.3	7.2
13...	0950	80513	80513	766	43	3.3	7.2
13...	0952	80513	80513	766	42	3.3	7.2
13...	0954	80513	80513	766	42	3.2	7.2
13...	0956	80513	80513	766	43	3.3	7.2
13...	0958	80513	80513	766	43	3.3	7.2
13...	1000	80513	80513	766	43	3.3	7.2
13...	1002	80513	80513	766	44	3.4	7.2

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
13...	482	29.2	--	--	--	--
13...	484	29.1	1.10	80.0	224	.50
13...	484	29.1	2.50	80.0	232	1.20
13...	483	29.1	2.20	80.0	240	1.10
13...	482	29.1	2.50	80.0	248	1.30
13...	482	29.1	1.50	80.0	256	.50
13...	482	29.2	1.90	80.0	264	1.00
13...	483	29.2	1.20	80.0	272	.50
13...	488	29.2	1.60	80.0	280	.80
13...	483	29.3	1.20	80.0	288	.60

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL										
13...	0945	72	160	40	14	4.0	1	29	28	46

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
JUL										
13...	10	.060	<.20	.880	.890	.08	3.9	.03	.010	.25

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL										
13...	.090	.080	.150	271	84	100	300	15	79	98

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP 12...	0945	81213	80513	19	760	39	3.2	6.7	604	25.3

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
SEP 12...	210	54	19	4.1	1	37	27	60	12

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
SEP 12...	.030	.59	.110	.56	.70	.04	<.010	.43	.160

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 12...	.140	.200	343	2600	K2100	2000	4.6	90	99

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 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. Water-discharge records good except discharges below 50 ft^3/s, 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	41	71	128	21	225	679	63	363	97	74	19
2	34	41	72	113	22	218	1010	62	345	98	102	17
3	32	41	74	100	31	230	1490	65	351	92	112	16
4	30	41	76	88	62	250	1840	63	404	83	102	16
5	29	41	85	79	111	267	1950	67	454	81	93	15
6	29	42	95	71	134	267	1960	146	459	90	85	14
7	29	43	98	64	123	250	1920	333	440	100	79	13
8	29	44	98	60	107	225	1840	483	408	101	72	13
9	30	45	100	57	99	193	1720	532	370	95	66	13
10	31	46	104	55	106	164	1580	570	331	89	57	14
11	39	47	107	53	114	145	1440	612	298	76	46	14
12	51	47	114	49	113	128	1300	651	271	60	37	13
13	51	47	159	45	105	116	1190	695	246	49	33	13
14	46	48	285	42	96	108	1070	718	221	47	36	13
15	41	48	386	39	86	103	955	724	195	48	37	12
16	40	49	411	37	78	132	847	708	168	59	38	12
17	39	51	396	36	72	211	745	684	145	73	37	12
18	39	51	378	35	67	289	645	654	132	82	33	13
19	39	52	375	34	65	437	550	639	131	79	31	13
20	38	55	386	32	64	530	457	628	142	72	32	14
21	38	55	402	30	66	569	372	614	157	66	33	15
22	37	56	410	28	69	587	310	601	167	60	34	15
23	36	59	403	26	72	603	244	583	167	59	33	16
24	35	61	381	25	87	627	194	564	158	59	32	16
25	35	64	346	24	111	655	151	547	144	56	29	16
26	36	66	304	23	135	686	117	534	128	53	27	16
27	36	67	260	23	177	723	96	519	113	51	26	15
28	36	68	221	23	220	741	83	505	100	48	24	15
29	36	69	189	22	237	736	74	472	97	47	23	15
30	37	70	164	21	---	728	67	432	93	46	21	14
31	38	---	145	21	---	703	---	395	---	50	20	---
TOTAL	1131	1555	7095	1483	2850	11846	26896	14863	7198	2166	1504	432
MEAN	36.5	51.8	229	47.8	98.3	382	897	479	240	69.9	48.5	14.4
MAX	51	70	411	128	237	741	1960	724	459	101	112	19
MIN	29	41	71	21	21	103	67	62	93	46	20	12
AC-FT	2240	3080	14070	2940	5650	23500	53350	29480	14280	4300	2980	857
CFSM	.06	.09	.40	.08	.17	.66	1.56	.83	.42	.12	.08	.02
IN.	.07	.10	.46	.10	.18	.77	1.74	.96	.46	.14	.10	.03

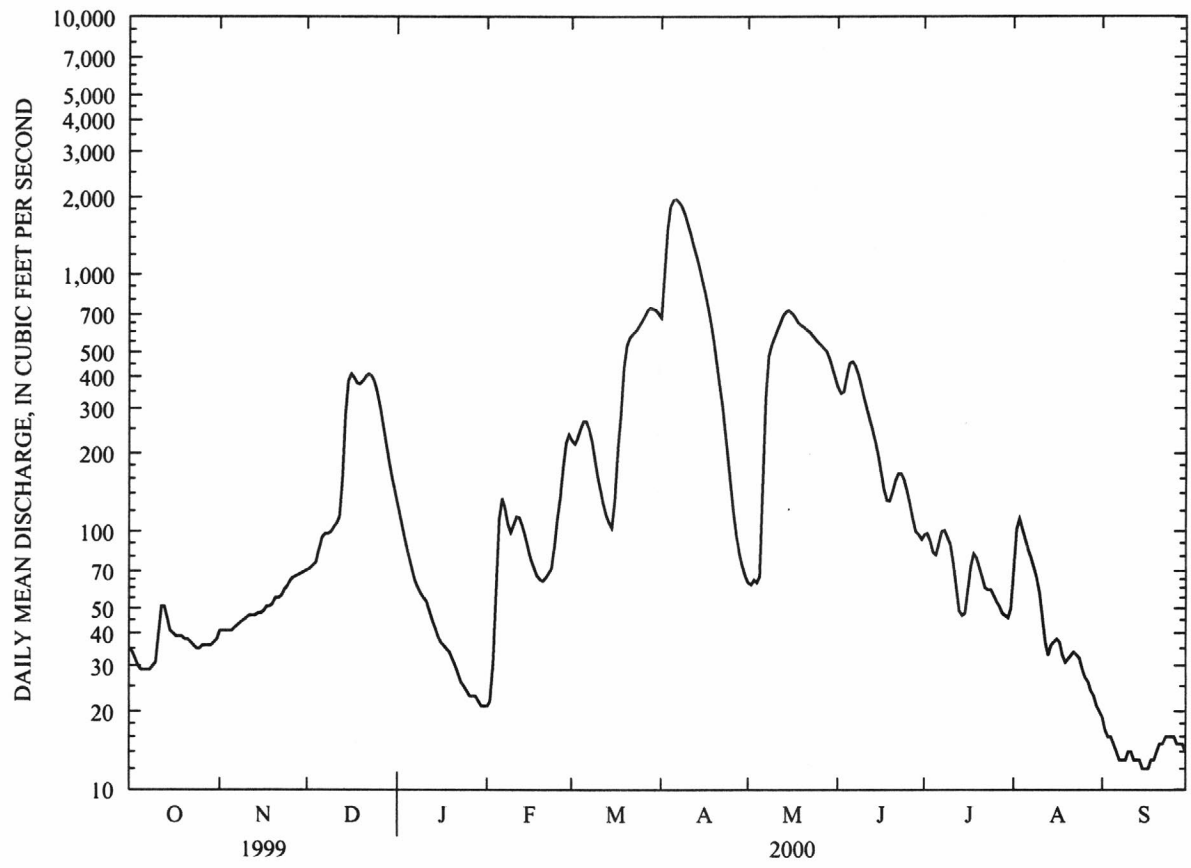
07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-42, 1946-00, BY WATER YEAR (WY)

MEAN	168	340	716	1025	1403	1384	1214	1057	458	215	152	150
MAX	1491	2240	2835	3900	5085	4006	3127	5972	2575	3688	1032	1792
(WY)	1985	1958	1973	1946	1990	1997	1991	1958	1974	1989	1989	1974
MIN	8.45	6.88	31.9	39.3	98.3	189	82.8	73.0	22.1	6.03	.44	14.4
(WY)	1996	1996	1982	1966	2000	1954	1966	1965	1972	1954	1956	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939-42, 1946-00	
ANNUAL TOTAL	228214		79019			
ANNUAL MEAN	625		216		686	
HIGHEST ANNUAL MEAN					1488	1973
LOWEST ANNUAL MEAN					149	1972
HIGHEST DAILY MEAN	4550	Feb 4	1960	Apr 6	6870	May 11 1958
LOWEST DAILY MEAN	23	Sep 24	12	Sep 15	.20	Aug 15 1956
ANNUAL SEVEN-DAY MINIMUM	24	Sep 22	13	Sep 12	.20	Aug 15 1956
INSTANTANEOUS PEAK FLOW			1960	Apr 6	6870	May 11 1958
INSTANTANEOUS PEAK STAGE			14.50	Apr 6	[a]25.49	May 11 1958
INSTANTANEOUS LOW FLOW			12	Sep 16,17	.20	Aug 15 1956
ANNUAL RUNOFF (AC-FT)	452700		156700		497200	
ANNUAL RUNOFF (CFSM)	1.09		.37		1.19	
ANNUAL RUNOFF (INCHES)	14.74		5.10		16.19	
10 PERCENT EXCEEDS	1990		613		2000	
50 PERCENT EXCEEDS	173		77		243	
90 PERCENT EXCEEDS	38		22		31	

[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 years 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
NOV 01...	1215	81213	80513	33	760	52	5.1	7.6	180	15.8
JAN 04...	1300	81213	80513	103	756	53	5.8	7.2	240	10.6
FEB 29...	1455	81213	80513	239	747	62	6.2	6.7	144	14.5
APR 04...	1345	81213	80513	1840	771	54	5.4	7.0	48	16.5

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
NOV 01...	53	13	4.9	6.1	.6	10	26	15	6.6	.080
JAN 04...	68	17	6.2	5.1	.8	15	30	24	16	.040
FEB 29...	39	9.7	3.6	3.6	.8	11	35	13	8.5	.110
APR 04...	13	3.2	1.2	3.0	.2	1.5	16	2.2	2.6	.030

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV 01...	.57	.210	.230	.49	.80	.10	.93	.07	.020	.21
JAN 04...	.60	--	.230	.56	.83	.05	--	--	<.010	.18
FEB 29...	1.1	.620	.640	.99	1.7	.14	2.7	.07	.020	.09
APR 04...	.73	--	.150	.70	.88	.04	--	--	<.010	.31

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 01...	.080	.070	.180	105	K20	K200	K43	3.9	44	99
JAN 04...	.070	.060	.170	147	160	510	170	20	71	99
FEB 29...	.060	.030	.230	92	960	340	1800	100	155	98
APR 04...	.090	.100	.340	38	860	1600	6800	835	168	98

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)
JUL							
13...	0730	81213	80513	766	43	3.3	7.0
13...	0732	80513	80513	768	43	3.3	7.0
13...	0734	80513	80513	768	43	3.3	7.0
13...	0736	80513	80513	768	43	3.3	7.0
13...	0738	80513	80513	768	43	3.3	7.0
13...	0740	80513	80513	768	43	3.3	7.0
13...	0742	80513	80513	768	43	3.3	7.0
13...	0744	80513	80513	768	43	3.3	7.0
13...	0746	80513	80513	768	44	3.4	7.0
13...	0748	80513	80513	768	44	3.4	7.0
13...	0750	80513	80513	768	46	3.5	7.0

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	STREAM WIDTH (FT) (00004)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)
JUL						
13...	347	29.4	--	--	--	--
13...	347	29.4	1.00	85.0	90.0	.50
13...	347	29.4	2.50	85.0	102	1.20
13...	347	29.4	4.30	85.0	110	2.10
13...	347	29.4	5.40	85.0	118	2.70
13...	347	29.4	5.90	85.0	126	3.00
13...	347	29.4	5.70	85.0	134	3.00
13...	347	29.4	5.40	85.0	142	2.70
13...	347	29.4	4.00	85.0	150	2.00
13...	346	29.4	3.90	85.0	158	2.00
13...	347	29.4	7.30	85.0	166	2.60

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUL											
13...	0730	50	100	27	9.0	4.9	.9	22	30	35	11

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
JUL											
13...	.070	.55	.460	.470	.48	1.0	.09	2.0	.03	.010	.31

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUL										
13...	.090	.100	.170	201	120	150	78	9.2	68	93

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
SEP										
12...	1130	81213	80513	11	763	44	3.6	6.8	443	25.1

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM ADSORPTION RATIO (00931)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
SEP									
12...	140	36	13	4.5	1	30	30	42	9.0

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
SEP									
12...	.070	.56	.130	.49	.69	.09	<.010	.28	.130

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 ML) (31633)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP									
12...	.090	.160	258	170	290	600	2.2	75	98

07364185 BAYOU BARTHOLOMEW NEAR PORTLAND

LOCATION.--Lat 33°13'50", long 91°32'08", in SW1/4NE1/4 sec.8, T.17 S., R.4 W., Ashley County, Hydrologic Unit 08040205, at bridge on State Highway 278, 1.4 mi west of Portland.

DRAINAGE AREA.--1,109 mi^2.

PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 96.85 ft above sea level. Auxiliary water-stage recorder 7.8 mi upstream.

REMARKS.--No estimated daily discharges. Records good except discharges below 100 ft^3/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

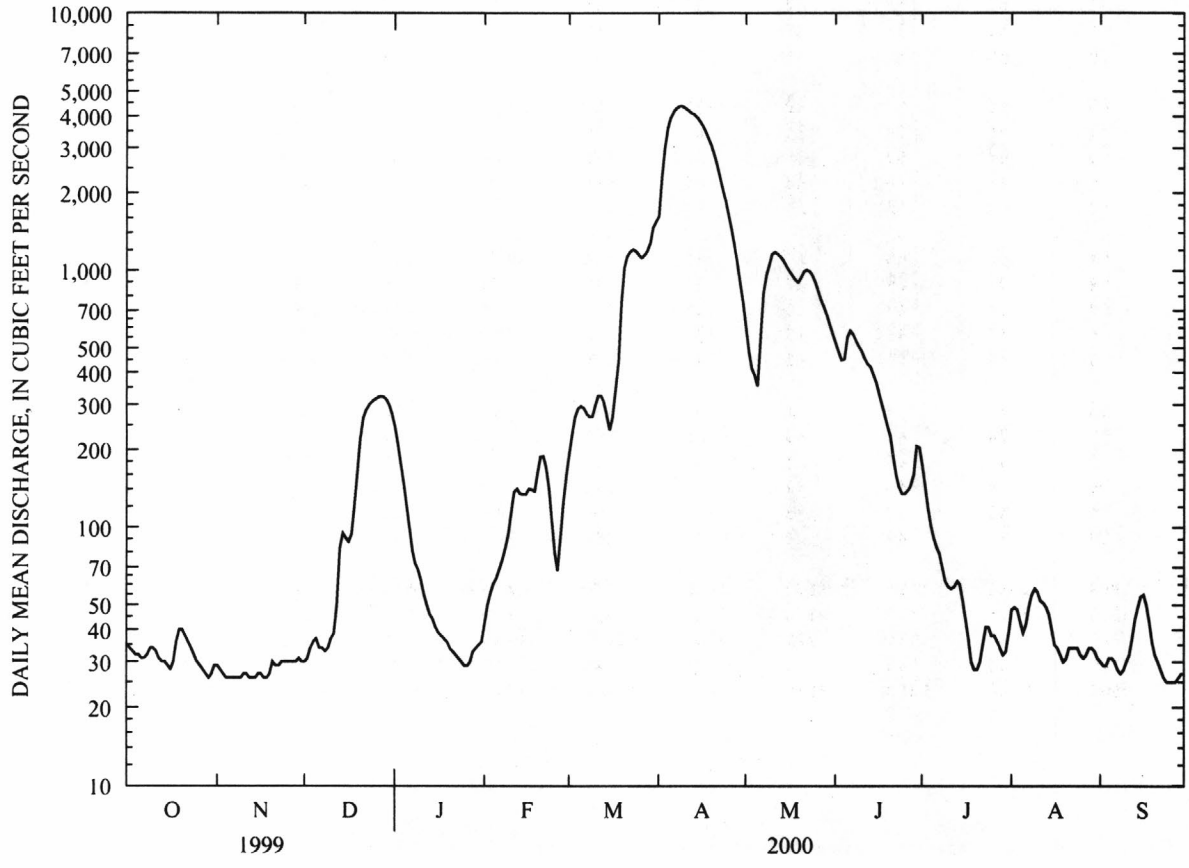
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	29	30	247	42	193	1630	608	523	175	48	30
2	34	28	31	211	50	232	2310	486	483	144	49	29
3	33	27	34	177	56	270	2990	416	449	119	48	29
4	32	26	36	146	61	290	3590	390	451	102	43	31
5	32	26	37	119	64	297	3960	355	551	91	39	31
6	31	26	34	98	69	292	4170	571	586	84	42	30
7	31	26	34	81	75	278	4300	821	566	79	49	28
8	32	26	33	72	83	270	4370	957	535	70	55	27
9	34	26	34	68	94	270	4370	1050	508	62	58	28
10	34	27	37	62	114	298	4320	1160	486	59	56	30
11	33	27	39	55	137	325	4230	1180	455	58	52	32
12	31	26	50	50	141	325	4140	1160	433	59	51	37
13	30	26	83	46	135	307	4090	1130	423	62	49	44
14	30	26	95	44	134	274	3980	1090	395	60	46	49
15	29	27	91	41	134	240	3840	1040	367	52	40	54
16	28	27	88	39	141	268	3670	997	333	44	35	55
17	30	26	94	38	140	355	3490	960	301	37	34	50
18	36	26	121	37	138	444	3280	924	272	30	32	43
19	40	27	168	36	163	760	3070	906	247	28	30	36
20	40	30	222	34	188	1030	2830	944	226	28	31	32
21	38	29	265	33	189	1140	2570	996	188	30	34	30
22	36	29	287	32	170	1190	2300	1010	160	35	34	28
23	34	30	300	31	140	1210	2060	997	143	41	34	26
24	32	30	308	30	107	1190	1860	961	135	41	34	25
25	30	30	315	29	80	1150	1650	903	135	38	32	25
26	29	30	321	29	68	1120	1450	838	139	38	31	25
27	28	30	324	30	93	1150	1250	772	145	36	32	25
28	27	30	323	33	126	1200	1080	725	160	34	34	26
29	26	31	315	34	160	1280	906	668	207	32	34	27
30	27	30	299	35	---	1480	748	614	205	33	33	27
31	29	---	276	36	---	1560	---	565	---	39	31	---
TOTAL	991	834	4724	2053	3292	20688	88504	26194	10207	1840	1250	989
MEAN	32.0	27.8	152	66.2	114	667	2950	845	340	59.4	40.3	33.0
MAX	40	31	324	247	189	1560	4370	1180	586	175	58	55
MIN	26	26	30	29	42	193	748	355	135	28	30	25
AC-FT	1970	1650	9370	4070	6530	41030	175500	51960	20250	3650	2480	1960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

MEAN	46.3	51.9	259	1359	2592	1237	2849	709	292	121	47.7	50.5
MAX	60.6	76.1	366	2651	5159	1806	2950	845	340	182	55.2	68.2
(WY)	1999	1999	1999	1999	1999	1999	2000	2000	2000	1999	1999	1998
MIN	32.0	27.8	152	66.2	114	667	2748	572	244	59.4	40.3	33.0
(WY)	2000	2000	2000	2000	2000	2000	1999	1999	1999	2000	2000	2000

07364185 BAYOU BARTHOLOMEW NEAR PORTLAND--CONTINUED

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	405514		161566			
ANNUAL MEAN	1111		441		788	
HIGHEST ANNUAL MEAN					1136	1999
LOWEST ANNUAL MEAN					441	2000
HIGHEST DAILY MEAN	7400	Feb 5	4370	Apr 8	7400	Feb 5 1999
LOWEST DAILY MEAN	26	Oct 29	25	Sep 24	25	Sep 24 2000
ANNUAL SEVEN-DAY MINIMUM	26	Nov 3	26	Sep 23	26	Sep 23 2000
INSTANTANEOUS PEAK FLOW			4380	Apr 8	7510	Feb 5 1999
INSTANTANEOUS PEAK STAGE			30.90	Apr 9	35.69	Feb 5,6 1999
INSTANTANEOUS LOW FLOW			25	Sep 24-26	25	Sep 24-26 2000
ANNUAL RUNOFF (AC-FT)	804300		320500		570900	
10 PERCENT EXCEEDS	3160		1160		2720	
50 PERCENT EXCEEDS	233		63		136	
90 PERCENT EXCEEDS	30		28		31	



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.--No estimated daily discharges. Records good. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

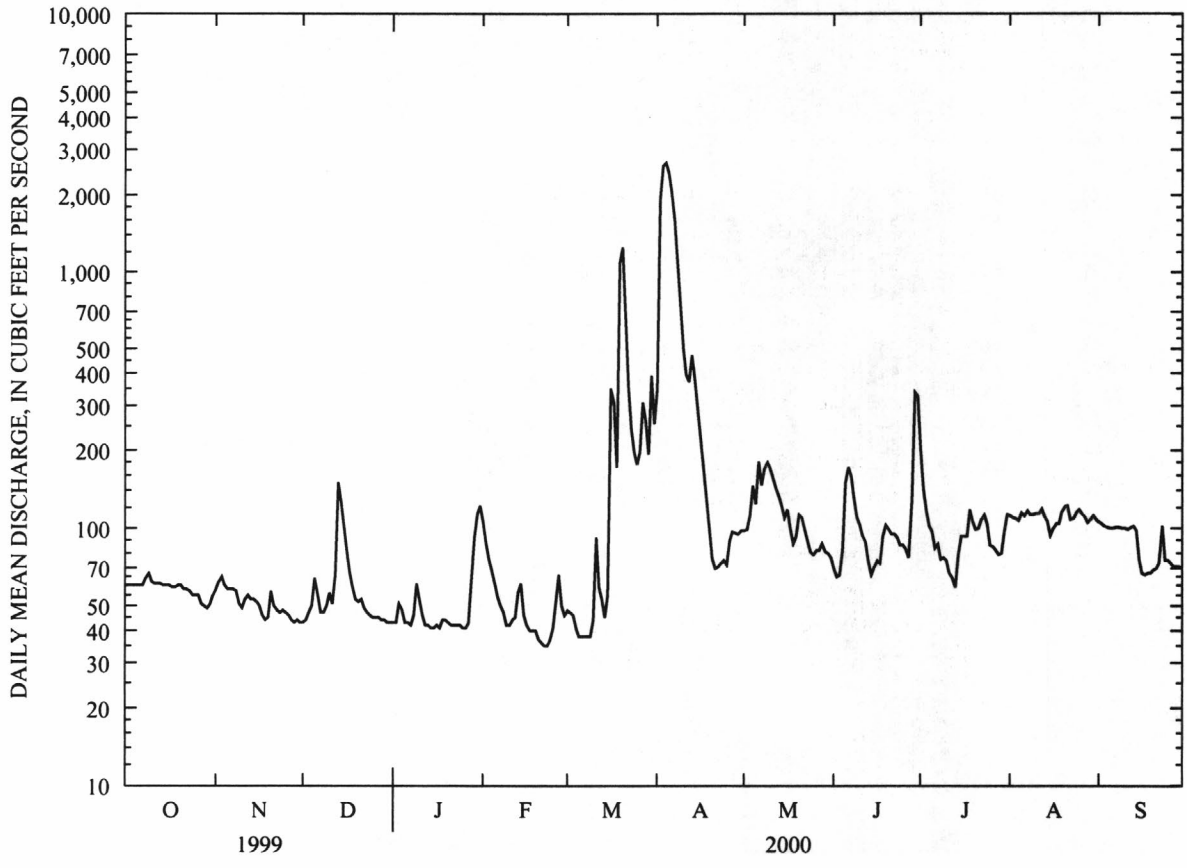
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	58	43	43	106	48	349	98	70	201	112	106
2	60	62	44	43	88	47	1930	99	65	141	110	104
3	60	65	47	51	75	46	2600	112	66	117	109	102
4	60	60	50	48	68	41	2670	146	82	102	107	101
5	60	58	64	43	61	38	2440	124	150	97	115	100
6	60	58	55	43	54	38	2050	181	172	84	112	100
7	60	58	47	42	50	38	1610	147	159	87	117	101
8	64	57	47	46	47	38	1140	170	129	76	113	101
9	67	51	50	61	42	38	762	180	110	77	113	100
10	62	49	56	53	42	44	505	170	103	75	114	100
11	61	53	51	46	44	92	395	156	93	67	114	99
12	61	55	66	42	45	59	372	143	88	64	119	101
13	61	53	150	42	56	53	471	133	74	59	111	102
14	60	53	126	41	61	45	380	122	66	79	106	98
15	60	52	102	41	46	55	283	110	71	93	94	76
16	60	50	81	42	42	350	212	118	75	93	100	67
17	59	46	67	41	40	308	162	100	73	93	104	66
18	59	44	59	44	40	172	128	87	93	118	104	67
19	60	45	53	44	40	1090	99	93	103	106	116	67
20	60	57	52	43	37	1250	76	113	99	99	121	69
21	58	50	53	42	36	756	70	110	95	100	122	70
22	58	48	49	42	35	357	71	99	95	108	108	74
23	57	47	47	42	35	245	73	89	92	113	109	102
24	55	48	46	42	37	198	75	81	86	104	115	75
25	55	47	45	41	41	176	72	79	86	86	118	75
26	55	46	45	41	52	198	89	82	83	85	114	73
27	51	44	45	43	66	309	97	82	77	82	111	71
28	50	43	44	61	50	261	96	87	129	79	105	71
29	49	44	44	92	46	194	95	81	338	80	108	71
30	51	43	43	113	---	391	98	80	326	97	112	70
31	55	---	43	122	---	255	---	77	---	113	108	---
TOTAL	1808	1544	1814	1580	1482	7230	19470	3549	3348	2975	3441	2579
MEAN	58.3	51.5	58.5	51.0	51.1	233	649	114	112	96.0	111	86.0
MAX	67	65	150	122	106	1250	2670	181	338	201	122	106
MIN	49	43	43	41	35	38	70	77	65	59	94	66
AC-FT	3590	3060	3600	3130	2940	14340	38620	7040	6640	5900	6830	5120

07369680 BAYOU MACON AT EUDORA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	91.6	115	277	476	508	382	423	309	189	272	166	94.7
MAX	297	218	651	924	1174	858	1053	1510	330	847	425	150
(WY)	1995	1992	1991	1999	1991	1995	1991	1991	1989	1994	1994	1994
MIN	41.8	51.5	58.5	51.0	51.1	98.1	63.0	72.0	112	90.5	83.7	61.8
(WY)	1994	1996	2000	2000	2000	1993	1998	1992	2000	1997	1997	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	97799		50820			
ANNUAL MEAN	268		139		274	
HIGHEST ANNUAL MEAN					493	1991
LOWEST ANNUAL MEAN					130	1996
HIGHEST DAILY MEAN	3560	Jan 31	2670	Apr 4	4170	Apr 23 1995
LOWEST DAILY MEAN	43	Nov 28	35	Feb 22	1.7	Sep 23 1988
ANNUAL SEVEN-DAY MINIMUM	44	Nov 26	37	Feb 18	34	Sep 28 1988
INSTANTANEOUS PEAK FLOW			2730	Apr 3	4280	Apr 23 1995
INSTANTANEOUS PEAK STAGE			22.20	Apr 3	24.41	Apr 29 1991
INSTANTANEOUS LOW FLOW			33	Feb 23	32	May 21-23 1995
ANNUAL RUNOFF (AC-FT)	194000		100800		198700	
10 PERCENT EXCEEDS	508		173		602	
50 PERCENT EXCEEDS	109		75		109	
90 PERCENT EXCEEDS	51		43		55	



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 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
ST. FRANCIS RIVER BASIN								
07047823 Murray Creek Tributary near Jonesboro	Lat 35°51'51", long 90°38'27", in SW1/4SW1/4 sec.2, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203, on wingwall at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro. Drainage area is 0.36 mi^2.	1986-00	5-29-00	10.27	150	4-13-91	11.46	254
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 0.95 mi^2.	1992-00	5-29-00	17.22	a	8-20-97	18.03	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 0.08 mi^2.	1963-00	--	<3.73	--	9-13-78	7.73	253
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 0.54 mi^2.	1990-00	2-26-00 6-3-99 3-31-96 1-21-95 3-25-94 11-21-92 3-10-92 4-29-91 5-20-90	15.35 15.18 14.50 14.27 15.67 13.76 15.54 15.86 16.33	195 [h]183 [h]142 [h]123 [h]145 [h]91 [h]210 [h]265 [h]315	4-5-97	16.94	[h]380
WHITE RIVER BASIN								
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 mi^2.	1960-00	6-17-00	6.15	147	7-25-60	17.60	1,410
07050285 Osage Creek at Osage	Lat 36°11'19", long 93°24'51", 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 mi^2.	1989-00	6-18-00	9.60	6,600	5-3-90	14.91	27,000
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 mi^2.	1995-00	--	--	--	4-22-96	[b]14.03	12,000
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.	1995-00	6-17-00	6.21	4,240	11-7-96	9.20	9,870
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 0.85 mi^2.	1962-00	7-29-00	7.18	58	10-13-68	15.30	2,480

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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.	1928-80[f] 1981-91 1992-00[g]	7-10-00	13.18	--	4-17-45	39.82	215,000
07055608 Crooked Creek at Yellville	Lat 36°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 1988-94[f] 1995-00	6-17-00	9.12	3,830	5-3-90	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.	1995-00	6-17-00 5-7-98 3-1-97 9-26-96 11-5-94	10.65 10.68 10.26 10.31 10.99	4,650 [h]4,680 [h]4,190 [h]4,250 [h]5,060	11-5-94	10.99	5,060
07059450 Big Creek near Elizabeth	Lat 36°21'25" long 92°06'51", 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.	1995-00	6-17-00	12.07	a	11-5-94	15.15	a
07060728 White River at Allison	Lat 35°56'21", long 91°38'28", in NW1/4NW1/4 sec.13, T.15 N., R.11 W, Stone County, Hydrologic Unit 11010004, on right upstream side of wingwall of bridge on State Highway 9 at Allison. Drainage area is 10,458 mi^2.	1997-00[g]	5-27-00	301.79	--	3-20-98	303.33	--
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.	1937-58[f] 1978-85 1986-94[f] 1995-00[g]	5-27-00	13.87	--	4-16-45	29.43	324,000
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.	1937-70[f] 1971-78 1981-94 1995-00[g]	5-29-00	14.50	12,300	12-7-82	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 0.48 mi^2.	1961-00	5-27-00	7.24	92	4-22-73	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.	1989-00	5-27-00	8.39	1,870	4-28-98	10.02	3,200
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 1,183 mi^2.	1936-94[f] 1995-00	5-27-00	18.58	19,800	12-3-82	[b]38.12	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.	1929-33[f] 1935-94f 1995-00	5-27-00	7.37	3,660	12-3-82	[b]29.06	162,000
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.	1936-94[f] 1995-00	5-27-00	21.60	24,200	12-3-82	[b]35.90	158,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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 1995-00[g]	6-1-00	29.29	--	12-7-82	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.	1989-00	3-16-00	4.68	380	1-6-91	8.4	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.	1939-84[f] 1985-94 1995-00[g]	5-27-00	16.44	--	12-3-82	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.	1961-94[f] 1995-00	2-26-00	9.82	3,010	12-3-82	[b]34.27	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.	1964-00	--	<9.08	--	12-3-82	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 0.11 mi^2.	1964-00	--	<5.85	--	4-2-79	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 0.66 mi^2.	1961-00	--	<4.43	--	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.	1978-90 1991-94[f] 1995-00	6-2-00	15.60	38,100	3-8-97	22.93	80,900
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.	1961-00	2-26-00	8.32	190	4-21-74	12.62	8,800
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 1993-00	1-3-00	13.64	1,980	4-19-73	19.14	4,700
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.	1962-00	1-3-00	8.31	480	7-25-98	9.94	790
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 0.25 mi^2.	1963-00	5-29-00 10-5-98 4-28-98 4-5-97 10-27-95 8-7-95	6.25 6.58 5.92 6.83 5.91 6.10	37 [h]41 [h]32 [h]45 [h]32 [h]35	12-21-91	[i]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.	1989-00	5-29-00	>13.34	a	4-05-97	[b]22.00	a

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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.	1993-00	5-29-00	11.04	a	8-20-97	15.40	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.	1961-00	2-27-00	8.86	375	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 1993-00	7-30-00	11.79	840	4-5-97	16.11	2,050
	ARKANSAS RIVER BASIN							
07249444 Mill Creek near Jenny Lind Road in Fort Smith	Lat 35°18'14", long 94°24'42", in NW1/4SE1/4 sec.9, T.7 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, on downstream side of bridge on Jenny Lind Road in Fort Smith. Drainage area is 1.18 mi^2.	1999-00	6-21-00	4.35	510	6-30-99	[b]7.42	1,600
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.	1981-00	6-17-00	30.33	a	5-02-90	36.40	2,400
07249457 May Branch at Fort Smith	Lat 35°22'30", long 94°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.	1981-86[f] 1993-00	6-21-00	7.19	440	12-2-82	8.01	580
07249490 Lee Creek near Lee Creek	Lat 35°42'12", long 94°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.	1988-00	6-21-00 6-30-99 1-5-98 2-21-97 9-26-96 5-8-95 2-22-94 [c]4-14-93 10-29-91 4-13-91 2-15-89 4-1-88	15.39 12.14 11.95 14.51 12.65 11.12 8.85 13.54 7.77 9.17 15.20 13.57	23,700 [h]10,000 [h]9,900 [h]19,700 [h]12,000 [h]7,500 [h]3,100 [h]15,500 [h]1,750 [h]3,550 [h]23,000 16,000	6-21-00 5-3-90	15.39 15.39	23,700 [h]23,700
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.	1951-70[f] 1971-00	5-27-00	12.74	17,000	5-5-60	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 mj north of Cedarville. Drainage area is 0.34 mi^2.	1962-00	6-21-00	6.01	85	10-26-70	7.71	274
07250514 Sunnymede Creek at North 46th Terrace at Ft Smith	Lat 35°23'53", long 94°22'50", in NE1/4NW1/4 sec.11, T.8 N., R.32 W., SebastianCounty, Hydrologic Unit 11110105, on upstream side of bridge at North 46th Terrace in Ft. Smith. Drainage area is 1.13 mi^2.	1997-98[f] 1999-00	6-21-00	5.90	410	6-30-99	6.02	423
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.	1951-70[f] 1971-00	6-21-00	17.97	35,800	5-30-90	18.76	41,300
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.	1988-00	6-17-00	17.63	32,900	6-17-00	17.63	32,900
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.	1993-00	6-17-00	6.49	725	11-5-94	8.57	1,780

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
*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.	1953-70[f] 1971-00[d]	6-17-00	14.13	9,190	6-5-74	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.	1989-00	6-17-00	8.82	2,800	5-3-90	19.11	26,100
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.	1962-00	12-12-99	3.73	26.5	4-24-70	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.	1978-00	6-17-00	14.39	9,920	12-03-82	15.35	13,300
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 mi upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5. Drainage area is 153,670 mi^2.	1937-94[f] 1995-00	7-6-99 6-23-00	26.04 27.42	[c]199,000 217,000	5-13-43, 5-14-43, 5-25-43	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 11110105, at culvert on U.S. Highway 71, 5.2 mi north of Waldron. Drainage area is 0.92 mi^2.	1961-00	12-12-99	2.74	a	5-13-68	9.42	689
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.	1988-90[g] 1991-94 1995-00[g]	12-14-99	18.81	--	5-5-90	26.40	--
*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.	1978-00	12-12-99	14.11	1,090	12-3-82	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.	1967-00	--	<5.76	--	12-3-82	[b]8.24	102
07260800 Arkansas River at Morrilton	Lat 35°07'39", long 92°43'55", in SE1/4SW1/4 sec.29, T.6 N., R.16 W., Conway County, Hydrologic Unit 11110203, on left bank upstream from bridge on State highway 9, 2.0 mi southeast of Morrilton, 4.0 mi downstream from A.V. Ormon (No. 9) Lock and Dam, and at mile 189.1. Drainage area is 155,484 mi^2.	1927-00[g]	6-23-00	29.43	--	5-15-43	40.8	--
07261800 Brogan 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.	1963-00	6-21-00	4.56	125	12-3-82	[b]10.65	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.	1941-95[f] 1996-00	12-12-99	9.35	7,560	12-3-82	24.55	94,000

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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.	1980-00	12-13-99	15.73	7,160	12-3-82	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 of Perryville. Drainage area is 1.47 mi^2.	1962-00	12-11-99	6.21	10	12-3-82	11.45	1,150
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 1993-00	2-26-00	7.02	850	3-10-73	15.01	10,800
07263426 Hickory Creek at Bent Tree Court in Little Rock	Lat 34°47'18", long 92°25'54", in SE1/4SE1/4 sec.19, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, on downstream side of bridge at Bent Tree Court in Little Rock. Drainage area is 2.44 mi^2.	1997-98[f] 1999-00	2-26-00	2.91	182	3-1-97	4.22	1,030
07263465 Storm Ditch at Rollling Oaks Drive at Maumelle	Lat 34°52'41", long 92°24'03", in NW1/4SW1/4 sec.21, T.3 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, on downstream side of culvert apron at Rolling Oaks Drive at Maumelle. Drainage area is 0.36 mi^2.	1997-98[f] 1999-00	10-31-99	3.17	110	5-28-97	4.23	211
07263500 Arkansas River at Little Rock	Lat 34°45'00", long 92°16'25", sec.3, T.1 N., R.12 W., on top of the second pier from the right bank of the new Main Street Bridge, 0.25 mile above Missouri Pacific Railway bridge at Little Rock, Pulaski County, and at mile 165.5. Gage can be reached by going east of Main Street on Markham Street to Cumberland Street (2 blocks east of Main) and to the left to the river. Drainage area is 158,201 mi^2 of which 22,242 mi^2 is probably noncontributing (determined from "Drainage Area Data, Arkansas, White, and Red River Basins").	1928-69[f] 1970-00[g]	6-24-00	15.13	--	5-27-43	30.05	536,000
07263570 Grassy Flat Creek at Reservoir Road at Little Rock	Lat 34°46'01", long 92°22'03", in SE1/4NE1/4 sec.34, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, on downstream left bank of Reservoir Road bridge in Little Rock. Drainage area is 3.88 mi^2.	1974-87 1988-92[g] 1996-98[f] 1999-00	10-31-99	5.38	601	5-17-81	11.47	3,230
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.	1990-00	10-31-99	13.64	355	5-19-90	17.50	1,260
07263594 Coleman Creek at West 28th Street in Little Rock	Lat 34°43'36", long 92°20'17", in SW1/4SW1/4 sec.7, T.1 N., R.12 W., Pulaski County, Hydrologic Unit 11110207, at culvert on West 28th Street, 0.2 mi east of University Avenue, 1.1 mi upstream from mouth, and in Little Rock. Drainage area is 2.78 mi^2.	1997-98[f] 1999-00	10-31-99	9.41	801	9-20-96	11.86	1,800
07263650 Arkansas River at Pine Bluff	Lat 34°17'26", long 91°59'14", in NW1/4SW1/4 sec.9, T.5 S., R.9 W., Jefferson County, Hydrologic Unit 11110207, under U.S. Highway 79 bridge on top of pier cap near left bank, 1.0 mile northeast of Pine Bluff. 0.7 mile upstream from Boyd Point Cutoff, and at mile 73.7. Drainage area is 158,595 mi^2.	1948-00[g]	6-24-00	38.84	--	6-1-57	50.74	--
07263930 Rocky Branch at Braden and Marshall Roads at Jacksonville	Lat 34°52'14", long 92°07'41", in NE1/4SE1/4 sec24, T.3 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at Braden and Marshall Roads at Jacksonville. Drainage area is 0.48 mi^2.	1997-98[f] 1999-00	2-26-00	4.15	58	3-5-97	[h]4.15	[h]85
07264050 Bayou Two Prairie near Furlow (published as near Cabot 1993-99)	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.	1988-00	--	<8.01	--	12-28-87	12.12	5,200
07265280 Arkansas River at Pendleton	Lat 33°58'45", long 91°22'40",at Pendleton, and approximately 9 miles NE of Dumas, AR, 44.5 miles above mouth. Drainage area is 160,200 mi^2.	1993-00[g]	6-25-00	29.18	--	5-11-95	30.02	--

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
	RED RIVER BASIN							
07339500 Rolling Fork near DeQueen	Lat 34°02'51", long 94°24'47" in SW1/4SW1/4 sec.21, T.8 N., R.32 W., Sevier County, Hydrologic Unit 11140109, near span on downstream side of bridge on U.S. Highway 70, 4.0 mi, west of DeQueen. Drainage area is 182 mi^2.	1948-80[f] 1981-00	6-24-00	9.40	2,010	12-10-71	24.23	71,000
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.	1938-80[f] 1981-00	6-21-00	10.18	4,950	5-13-68	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.	1938-80[f] 1981-00	6-21-00	8.46	1,350	5-13-68	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.	1989-00	5-19-00	8.93	890	5-28-98	9.63	1,110
07344280 Nix Creek at E. 12th Street at Texarkana	Lat 33°26'04", long 94°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.	1993-00	--	--	--	5-28-98	[b]20.50	8,260
07344285 Swampoodle Creek at Broad Street at Texarkana, Texas	Lat 33°25'06", long 94°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.	1993-00	5-19-00 10-6-98	15.49 15.46	1,470 [c]1,460	5-28-98	19.52	3,330
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.	1990-00	3-11-00	15.38	a	4-28-91	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.	1961-00	6-18-00	3.78	203	10-8-90	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.	1989-00	5-28-00	4.80	a	3-8-90	6.42	1,600
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.	1993-00	2-25-00	4.86	a	11-5-94	6.49	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.	1989-00	6-15-00	6.02	710	5-20-90	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.	1989-00	12-12-99	5.21	122	5-20-90	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.	1989-00	5-18-00	4.01	600	04-14-93	8.16	2,150
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.	1989-00	6-18-00	7.71	a	12-3-93	11.79	a

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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.	1963-00	--	<16.05	--	4-19-73	25.06	8,360
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.	1988-00	6-14-00	6.58	395	12-26-87	14.0	2,600
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.	1989-00	5-13-00	10.75	305	4-5-97	14.47	4,500
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.	1962-00	4-2-00	6.55	400	5-1-66	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.	1952-83[f] 1984-00	5-9-00	9.91	1,030	5-2-58	16.47	26,800
07362591 Alum Fork Saline River at Winona Dam at Reform	Lat 34°47'51", long 92°50'43, in NE1/4NE1/4 sec.30, T.2 N., R.17 W., Saline County, Hydrologic Unit 08040203, at water intake 500 ft above dam, 0.8 mi northwest of Reform. Drainage area is 44.4 mi^2.	1995-00	6-25-00 3-13-99 2-11-98 4-5-97 6-9-96 1-13-95	39.67 [h]41.45 [h]42.41 [h]41.99 [h]35.26 [h]41.51	-- -- -- -- -- --	2-11-98	[h]42.41	--
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.	1988-00	4-24-00	6.21	540	12-28-87	9.68	5,300
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.	1951-79[f] 1980-00	6-15-00	13.14	7,450	1-30-69	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.	1971-82[f] 1983-00	6-20-00	13.80	3,700	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.	1989-00	5-22-00	7.48	520	4-5-97	11.50	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.	1963-00	6-18-00	3.75	28	4-14-91	[f]7.06	260
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.	1961-00	5-6-00 3-13-99	5.77 [c]4.67	148 [c]80	9-24-84	10.58	600
07364114 Pitts Drain at Louisiana Street in Pine Bluff	Lat 34°12'29", long 91°59'48", in NW1/4NE1/4 sec.15, T.6 S., R.9 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.	1997-98[f] 1999-00	5-6-00	6.15	600	5-6-00	6.15	600

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 2000 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							
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 84 mi^2.	1989-00	6-29-00	12.85	1,100	7-18-89	18.1	2,350
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.	1993-00	3-17-00	8.63	420	4-5-97	14.28	13,700
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.	1961-00	5-19-00	7.45	57	6-8-74	12.40	978
07365800 Cornie Bayou near Three Creeks	Lat 33°02'21", long 92°56'15", in SW1/4NW1/4 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.	1956-87[f] 1990-00	5-22-00	10.72	2,830	6-8-74	17.50	65,000

[a] Not determined
[b] From floodmarks
[c] Revised
[d] Prior to December 20, 1989 at datum 2.00 ft higher
* Also a low-flow partial-record station

[f] Operated as a continuous-record gaging station
[g] Operated as a stage-only station
[h] Not previously published
[i] At site and datum then in use

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 2000

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	1986-99	2-4-00 5-18-00	[b]3.0 88.9
		WHITE RIVER BASIN				
07047984 Middle Fork White River southeast of Fayetteville	White River	Lat 35°59'47", long 94°04'21", in SE1/4SE1/4 sec.5, T.15 N., R.29 W., Washington County, Hydrologic Unit 11010001, at ford on farm road 2.0 mi south or State Hwy 16 and 5.9 mi southeast of Fayetteville.	a	1997-99	[g]2-19-97 [g]4-2-97 [g]7-24-97 [g]9-18-97 [g]1-7-98 [g]5-21-98 [g]8-28-98 [g]11-16-98 [g]3-17-99 [g]4-28-99 11-17-99	58.4 73.9 1.74 6.93 638 7.21 [b]0.05 32.0 237 189 1.62
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	1985-99	1-2-00	11.0
07050206 Kings River near Alabam	White River	Lat 36°11'20", long 93°38'58", in SW1/4SE1/4SW1/4 sec.28, T.18 N., R.25 W., Madison County, Hydrologic Unit 11010001, at bridge on county road, 3.6 mi northeast of Alabam.	a	1997-99	11-9-99	5.18
07050390 Osage Creek southwest of Berryville	Kings River	Lat 36°20'55", long 93°35'26", in SE1/4SW1/4 sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville.	a	1988-90[c] 1997-99	11-11-99	4.6
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., Hydrologic 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 1983-99	11-17-99 3-10-00 6-26-00	3.4 52 113
07069266 Spring River near Hardy	Spring River	Lat 36°20'00", long 91°30'30", in SW1/4SW1/4 sec.34, T.20 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at low-water bridge on county road, 1.8 mi upstream from South Fork Spring River, and 2.2 mi northwest of Hardy.	35	1974-88	11-17-99 3-10-00 8-16-00	234 512 297
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	1974-99	1-14-00 5-3-00 8-16-00	40.0 40.0 11.7
07076950 Wattensaw 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	1984-99	3-29-00 [b]7-26-00	67.4 [e]3.0
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 County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.	a	1974-88 1995-96 1998-99	5-19-00 [b]7-12-00 [b]11-22-00	8.11 [e]0.5 [e]5.0
		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] 1987-99	[d]10-16-98 [d]1-19-99 10-13-99 5-25-00 9-4-00	185 228 159 194 119

Discharge measurements made at special study and miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		ARKANSAS RIVER BASIN--CONTINUED				
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	1986-99	10-26-99	0.01
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] 1986-99	10-26-99	0
072632962 Bringle Creek at Martindale	Arkansas River	Lat 34°52'52", long 92°40'51", in SE1/4SW1/4 sec.23, T.3 N., R.16 W., Pulaski County, Hydrologic Unit 11110207, at bridge on State Highway 10 at Martindale.	a		5-9-00 6-21-00	6.4 183
072632971 Yount Creek near Martindale	Arkansas River	Lat 34°53'23", long 92°38'48", in SE1/4NW1/4 sec.19, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, at bridge on State Highway 113, 2.5 mi northeast of Martindale.	a		2-15-00 5-9-00 6-21-00	0.7 1.1 95
072632982 Reece Creek at Little Italy	Arkansas River	Lat 34°55'47", long 92°35'36", in NE1/4SW1/4 sec.3, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, 0.6 mi southwest of Little Italy.	a		2-15-00 5-9-00	1.49 3.72
		RED RIVER BASIN				
07338720 Mountain Fork near Hatfield	Little River	Lat 34°30'18", long 94°25'50", in NE1/4NE1/4 sec.3, T.6 S., R.5 W., Polk County, Hydrologic Unit 11140108 at bridge on State Highway 246, 3.1 mi northwest of Hatfield.	168	1962-67[c] 1971-73 1986-99	10-21-99	2.5
07339780 Rolling Fork near West Otis	Little River	Lat 33°58'32", long 94°26'03", in SW1/4NW1/4 sec.20, T.9 S., R.32 W., at Arkansas-Jefferson County line, Hydrologic Unit 08020402, at bridge on State Highway 11, 1.6 mi southwest of Bayou Meto.	290	1962 1982-83 1997-99	12-16-99 4-10-00 7-25-00	718 106 45.9
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 of Texarkana.	78.5	1973-99	12-14-99 4-14-00 7-24-00	26.2 98.7 6.0
07349440 Bodcau Creek near Lewisville	Red Chute Bayou	Lat 33°15'42", long 93°33'05", in SE1/4 sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	292	1974-85 1987-90 1995, 98	10-19-99 2-7-00 4-4-00 9-26-00	0 0 134 0
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	1987-99	1-15-00 5-30-00 9-28-00	232 928 80.1
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, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.	385	1958-63[c] 1974-99	11-1-99 2-3-00 5-24-00 9-14-00	0 11.4 933 0
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 line, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	66.0	1974-99	3-28-00 6-15-00 7-25-00	73.9 535 .98
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 1974-99	12-13-99 3-27-00 7-20-00	96.4 58.3 [b]5.0
07364143 Ables Creek north of Selma	Bayou Bartholo-mew	Lat 33°44'10", long 91°33'40", in NE1/4NE1/4 sec.24, T.11 S., R.4 W., Drew County, Hydrologic Unit 08040205, at bridge on State Highway 138, 0.7 mi downstream from Prairie Creek and 2.7 mi north of Selma.	a	1998-99	12-14-99 3-28-00 7-15-00	153 72.1 9.3

Discharge measurements made at special study and miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		RED RIVER BASIN--continued				
07364600 Bayou DeLoutre near El Dorado	Ouachita River	Lat 33°05'55", long 92°35'32", in $SE_{1/4}NW_{1/4}$ sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 8.5 mi southeast of El Dorado.	78.4	1959-64 1971-75 1978-85 1987-99	11-2-99 2-9-00 5-24-00	8.8 34.2 54.4

[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.

[g]Previously published under Station Number 07047985.

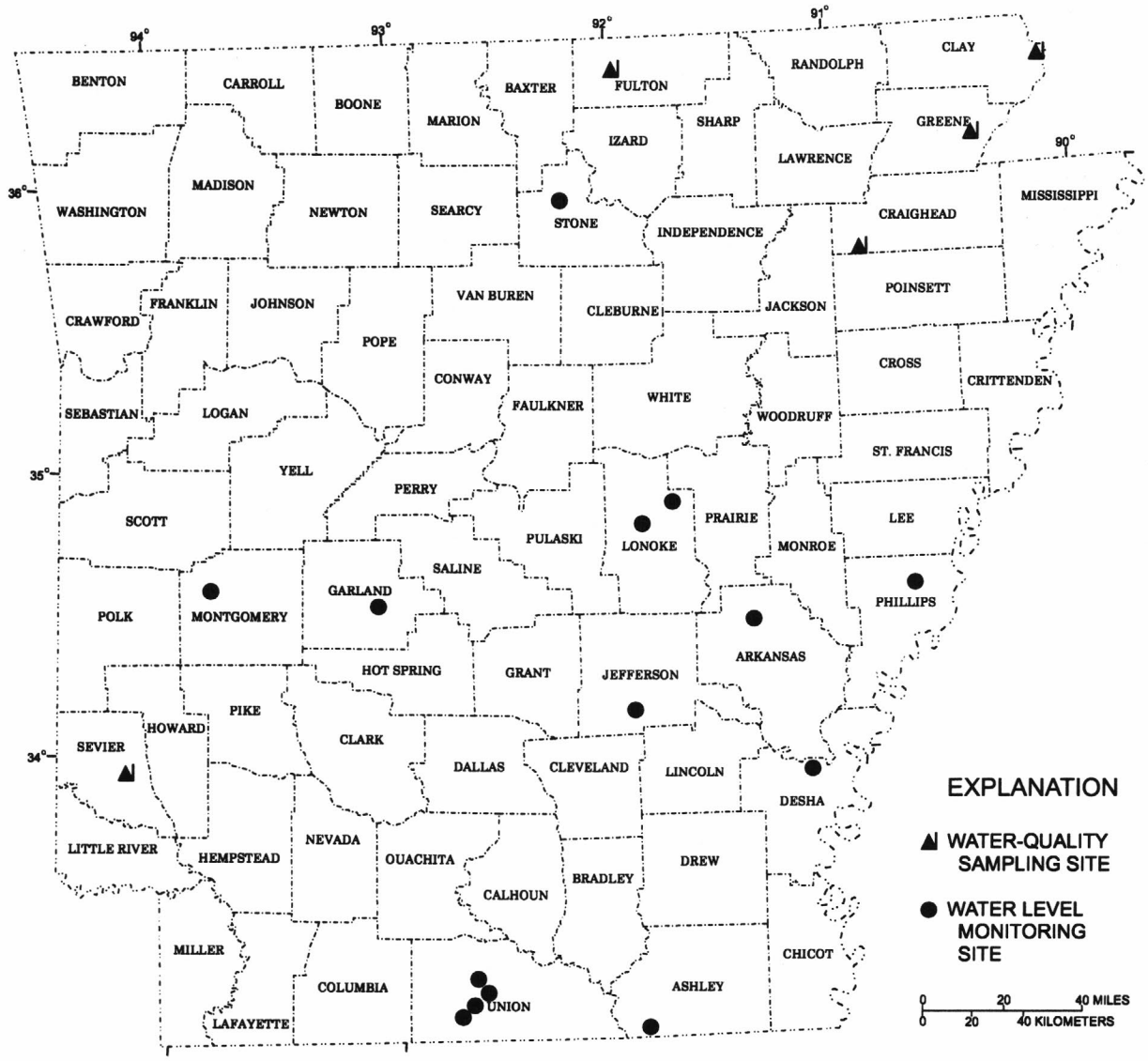


Figure 4. Locations of ground-water quality sampling sites and observation wells in Arkansas.

ARKANSAS COUNTY

342649091251916. Local number, 03S04W03DCA16

LOCATION.--Lat 34°27'53", long 91°25'15", Hydrologic Unit 08020303, near Stuttgart.

Owner: University of Arkansas Rice Experimental Station.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS--Drilled for observation well, diameter 26 in, depth 126 ft, screened 120-126 ft.

DATUM.--Land Surface 205 ft above sea level. Measuring point: Top of casing inside housing, 1.0 ft above land surface.

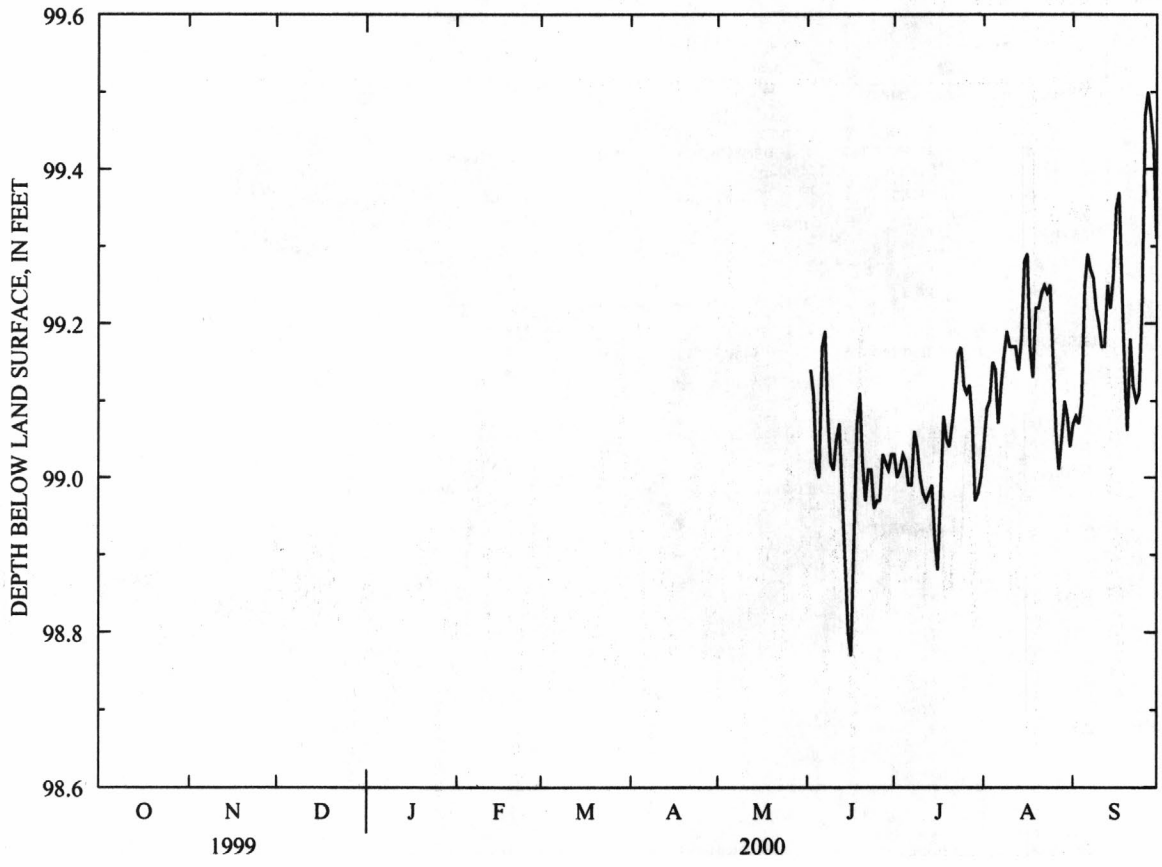
PERIOD OF RECORD.--5-day water levels June 1961 to July 1969. Annual water levels March 1968 to March 2000, and June to September 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 95.20 ft below land surface, January 10, 1963: lowest, 99.70 ft below land surface, September 10, 1964.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	99.00	99.02	99.14	99.25
10	---	---	---	---	---	---	---	---	99.01	99.00	99.17	99.20
15	---	---	---	---	---	---	---	---	98.80	98.92	99.28	99.26
20	---	---	---	---	---	---	---	---	99.02	99.04	99.22	99.06
25	---	---	---	---	---	---	---	---	98.97	99.12	99.16	99.22
EOM	---	---	---	---	---	---	---	---	99.03	99.00	99.04	99.31
MEAN	---	---	---	---	---	---	---	---	---	99.03	99.15	99.23
MAX	---	---	---	---	---	---	---	---	---	99.17	99.29	99.50
MIN	---	---	---	---	---	---	---	---	---	98.88	99.01	99.06



ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2.

LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.

Owner: Georgia-Pacific Paper Co.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 155 ft, screened 142-152 ft.

DATUM.--Land surface, 163.26 ft above sea level. Measuring point: Top of casing, 3.27 ft above land surface.

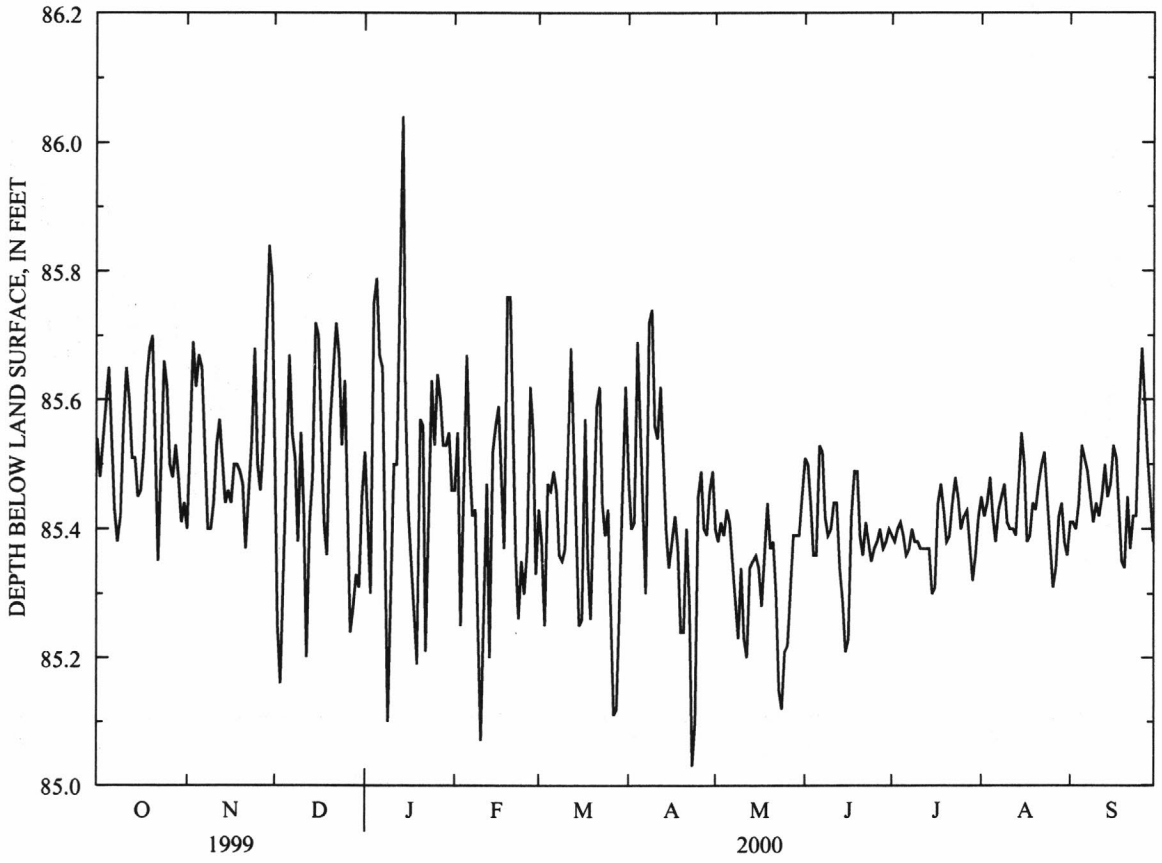
PERIOD OF RECORD.--Annual water levels June 1960 to August 1963, April 1971 to September 1994, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 84.76 ft below land surface, Oct. 8, 1996; lowest, 93.28 ft below land surface, Aug. 22, 1963.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	85.65	85.67	85.51	85.79	85.67	85.46	85.56	85.43	85.36	85.39	85.42	85.53
10	85.56	85.44	85.55	85.28	85.07	85.37	85.56	85.34	85.40	85.38	85.41	85.44
15	85.45	85.46	85.72	85.59	85.56	85.25	85.34	85.36	85.21	85.30	85.55	85.47
20	85.70	85.47	85.56	85.57	85.76	85.42	85.24	85.37	85.39	85.38	85.43	85.34
25	85.62	85.50	85.63	85.53	85.30	85.43	85.45	85.21	85.37	85.40	85.38	85.59
EOM	85.44	85.79	85.45	85.46	85.33	85.62	85.49	85.45	85.40	85.42	85.36	85.38
MAX	85.70	85.84	85.72	86.04	85.76	85.68	85.74	85.45	85.53	85.48	85.55	85.68
MIN	85.35	85.37	85.16	85.10	85.07	85.11	85.03	85.12	85.21	85.30	85.31	85.34

CAL YR 1999 HIGH 85.04 JAN 22 LOW 86.07 JAN 4
WTR YR 2000 HIGH 85.03 APR 23 LOW 86.04 JAN 14



CLAY COUNTY

362311090111301. Local number, 20N08E11BAC3.

LOCATION.--Lat 36°23'11", long 90°11'13", Hydrologic Unit 08020203, near municipal light plant, Piggott (well No. 3).

AQUIFER.--Nacatoch Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in, depth 976 ft, cased 0-900 ft, screened 900-976 ft.

DATUM.--Land surface, 275 ft above sea level.

REMARKS.--Water-quality records for June 1956, June 1970, April 1975, June 1982, August 1990, July 1995, and July 2000 are available in files of district office.

PERIOD OF RECORD.--June 1956 to current year.

WATER-QUALITY DATA

STATION NUMBER	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)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
362311090111301	07-19-00	1530	976.00	290	80513	81213	797	8.0	24.9	<5

DATE	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)	ANC WATER UNFLTRD 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)
07-19-00	24	6.60	1.70	170	93	15	3.1	273	7.9	79.0	5.5

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	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)
07-19-00	14.0	465	453	.63	.010	<.020	.590	.50	.070	18

DATE	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)
07-19-00	<1	300	<.5	<1.0	<1	2	10	<1	46.0	1

DATE	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)
07-19-00	<2	<1	<1	350	<1	4	6.07	<3.00	2.0	3.7

CRAIGHEAD COUNTY

3554236090504401. Local number, 13N02E35DAC1.

LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.

Owner: A.B. Clark.

AQUIFER.--Sand and gravel of Quatermary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.

DATUM.--Land surface, 250 ft above sea level.

REMARKS.--Water-quality records for June 1969, September 1974, June 1981, July 1984, August 1990, July 1995, and July 2000 are available in files of district office.

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

WATER-QUALITY DATA

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)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUL 2000										
20...	1100	127.00	252	80513	81213	943	7.6	18.7	<5	450

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD 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)
JUL 2000										
20...	140	25	34	14	.7	2.3	394	96	11	.13

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	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)
JUL 2000										
20...	37	635	591	.86	<.010	<.020	.560	.41	.020	280

DATE	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)
JUL 2000										
20...	<.50	31	<.50	<1.0	<1.0	<1.0	7200	1.5	10	580

DATE	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)
JUL 2000										
20...	<2.0	<1.0	<1.0	480	<1	1.9	6.2	<3.0	1.2	5.0

DESHA COUNTY

335258091152301. Local number, 09S02W26DDC1.

LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.

Owner: Ed Smith.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 5-2 in, depth 97 ft, cased 0-94 ft, screened 94-97 ft.

DATUM.--Land surface, 149.27 ft above sea level. Measuring point: Top of casing, 1.71 ft above land surface.

REMARKS.--Water level fluctuates largely with stage of Arkansas River.

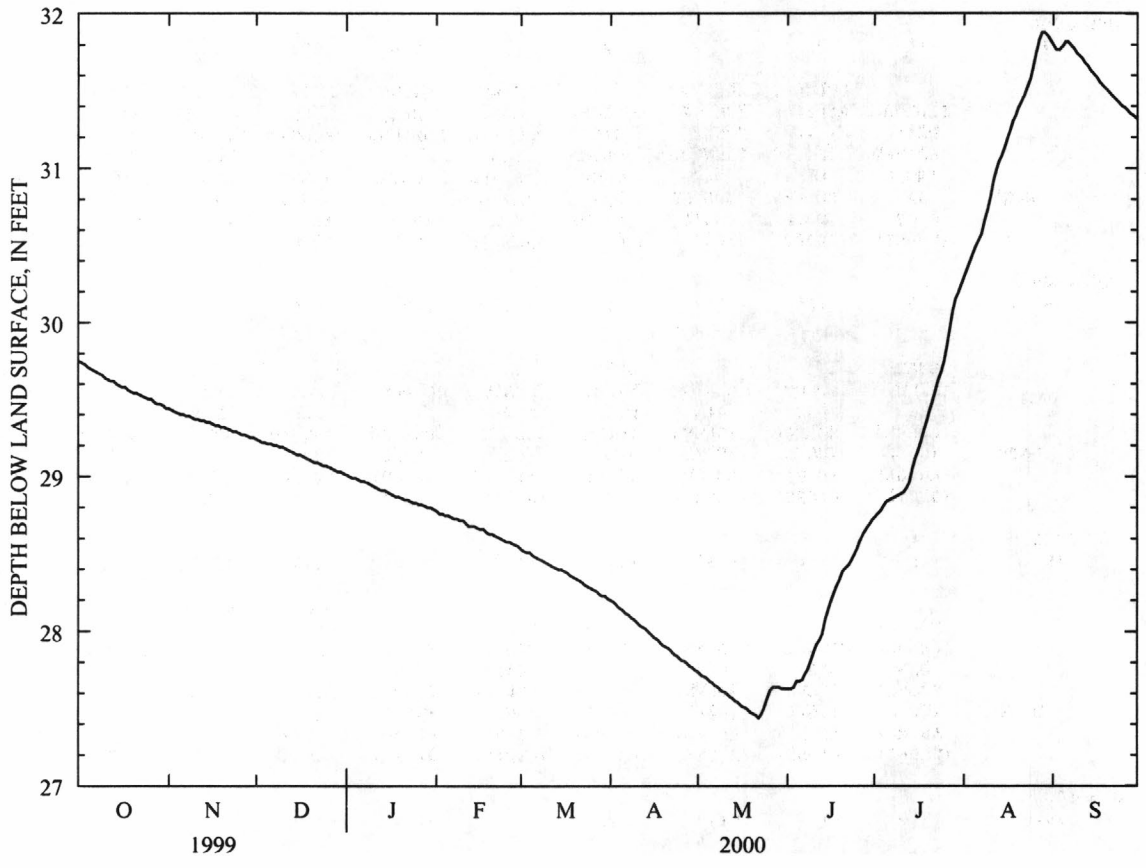
PERIOD OF RECORD.--Annual water levels October 1957 to September 1994, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft below land surface, Feb. 17, 1959; lowest, 31.88 ft below land surface, Aug. 28, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.70	29.40	29.21	28.98	28.75	28.49	28.14	27.68	27.68	28.84	30.50	31.82
10	29.64	29.37	29.19	28.94	28.72	28.44	28.06	27.61	27.87	28.89	30.82	31.73
15	29.59	29.35	29.14	28.90	28.67	28.40	27.98	27.54	28.14	29.12	31.14	31.61
20	29.54	29.32	29.10	28.86	28.63	28.34	27.90	27.47	28.39	29.43	31.40	31.50
25	29.50	29.28	29.07	28.83	28.58	28.28	27.82	27.57	28.54	29.75	31.66	31.40
EOM	29.44	29.25	29.02	28.79	28.55	28.21	27.75	27.63	28.72	30.25	31.83	31.32
MEAN	29.59	29.34	29.13	28.89	28.67	28.38	27.97	27.59	28.14	29.30	31.15	31.59
MAX	29.75	29.44	29.24	29.01	28.78	28.53	28.20	27.74	28.72	30.25	31.88	31.82
MIN	29.44	29.25	29.02	28.79	28.55	28.21	27.75	27.44	27.63	28.74	30.30	31.32

CAL YR 1999 MEAN 27.33 HIGH 24.62 MAY 21 LOW 29.98 SEP 10
WTR YR 2000 MEAN 29.15 HIGH 27.44 MAY 22 LOW 31.88 AUG 28



FULTON COUNTY

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, June 1996, and July 2000 are available in files of district office.

PERIOD OF RECORD.--July 1978, April 1981 to March 1990, July 1992 to 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

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)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
JUL 2000 19...	1100	950.00	860	80513	81213	361	8.1	20.5	<5	190

DATE	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD 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)
JUL 2000 19...	39	22	1.7	2	.1	1.8	174	1.0	1.8	<.10

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, 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 + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
JUL 2000 19...	10	196	182	.27	<.010	.090	.010	<.20	.010	28

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUL 2000 19...	<.50	5.4	<.50	<1.0	<1.0	<1.0	3.0	<1.0	1	1.1

DATE	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)	GROSS BETA, DISSOLVED (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)
JUL 2000 19...	<2.0	<1.0	<1.0	32	<1	<1.0	<4.0	3.4	1.9	2.2

GARLAND COUNTY

343048093030401. Local number, 02S19W33CBD1.

LOCATION.--Lat 34°30'48", long 93°03'04", Hydrologic Unit 08040101, at Hot Springs.
Owner: Hot Springs Rehabilitation Center.

AQUIFER.--Hot Springs Sandstone of Mississippian age.

WELL CHARACTERISTICS.--Drilled unused well, depth 336.5 ft.

DATUM.--Land surface, 740 ft above sea level. Measuring point: Top of casing, 1.30 ft above land surface.

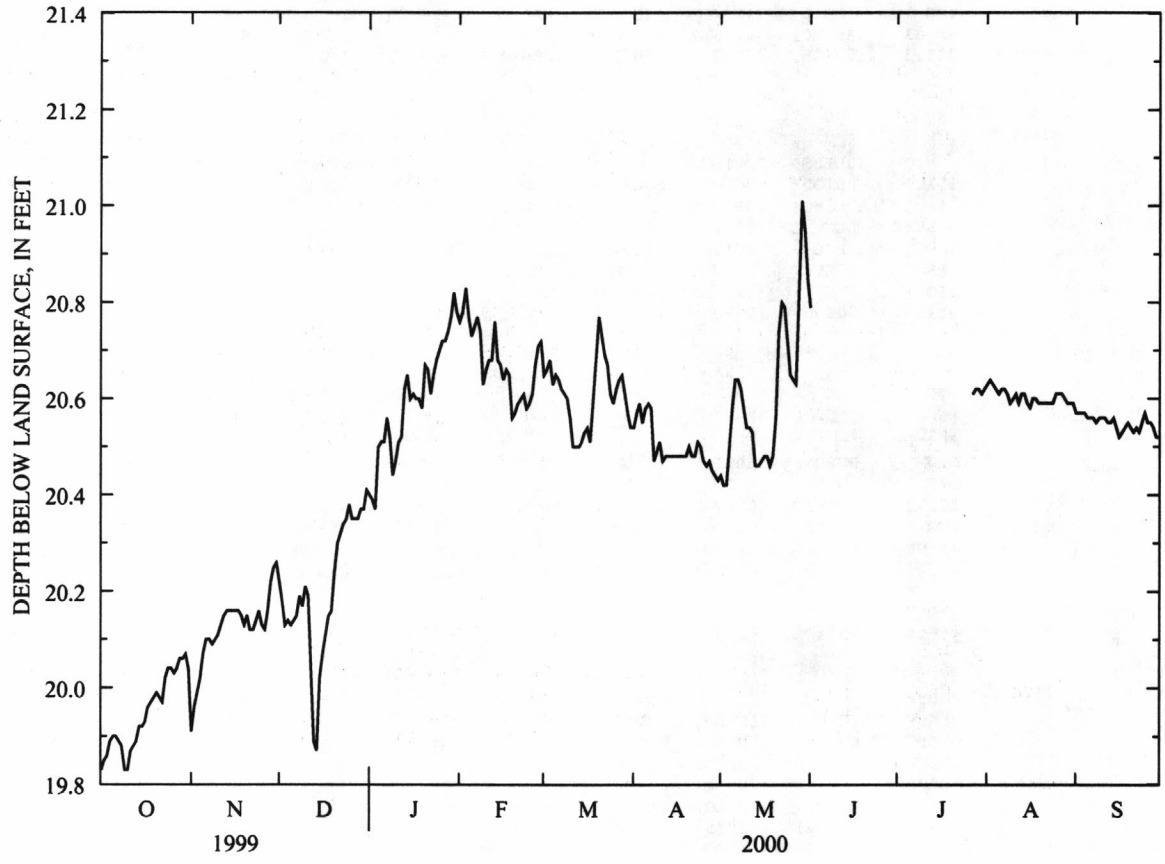
PERIOD OF RECORD.--Annual water levels February 1991 to September 1994, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.75 ft below land surface, Oct. 1, 1999; lowest, 117.21 ft below land surface, Feb. 20, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.82	19.99	20.05	20.43	20.65	20.57	20.50	20.50	---	---	20.53	20.48
10	19.75	20.03	20.13	20.39	20.58	20.48	20.43	20.46	---	---	20.52	20.48
15	19.84	20.08	19.94	20.52	20.59	20.45	20.40	20.39	---	---	20.51	20.46
20	19.91	20.07	20.16	20.59	20.49	20.69	20.42	20.48	---	---	20.51	20.46
25	19.96	20.05	20.30	20.62	20.51	20.51	20.39	20.57	---	---	20.53	20.49
EOM	19.96	20.18	20.33	20.70	20.64	20.46	20.35	20.77	---	20.54	20.51	20.44
MAX	19.99	20.18	20.33	20.74	20.75	20.69	20.51	20.93	20.71	20.54	20.56	20.49
MIN	19.75	19.83	19.79	20.29	20.48	20.42	20.35	20.34	20.71	20.53	20.50	20.44

CAL YR 1999 HIGH 19.75 OCT 1 LOW 95.25 JAN 18
WTR YR 2000 HIGH 19.75 OCT 1 LOW 20.93 MAY 29



GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.

LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).

Owner: City of Paragould

AQUIFER.--Sand, Wilcox Group of Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in, depth 507 ft, cased (-1)-467 ft, screened 467-507 ft.

DATUM.--Land surface, 285 ft above sea level. Measuring point: Pipe in east side of pump base, 1.00 ft above land surface.

REMARKS.--Water-quality records for December 1976, June 1981, July 1984, August 1990, July 1995, and July 2000 are available in files of district office. This well replaced 13N05E21BDD1 for a master well.

PERIOD OF RECORD.--March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft below land surface, Apr. 13, 1967; lowest 117.34 ft below land surface, Apr. 5, 1990.

WATER-QUALITY DATA

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)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUL 2000										
20...	0830	462.00	285	80513	81213	264	8.0	20.0	<5	9

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD 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)
JUL 2000										
20...	2.4	.80	60	92	9	2.0	132	2.4	1.7	.17

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	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)
JUL 2000										
20...	12	164	163	.22	<.010	<.020	.310	.26	.360	17

DATE	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)
JUL 2000										
20...	<.50	190	<.50	<1.0	<1.0	<1.0	330	<1.0	23	20

GREENE COUNTY--CONTINUED

360322090290401. Local number, 17N06E31DCB1.--continued

DATE	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)	GROSS BETA, DISSOLVED (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)
JUL 2000										
20...	<2.0	<1.0	<1.0	92	<1	8.3	<4.0	<3.0	.77	1.4

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 Eocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 1,106 ft, cased 0-1, 317 ft, 1,033-1,053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft 1,053-1,068 ft, 1,090-1,106 ft.

DATUM.--Land surface, 202.42 ft above sea level. Measuring point: Top of casing, 2.00 ft above land surface.

PERIOD OF RECORD.--Annual water levels August 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 275.20 ft below land surface, Nov. 30, 1999.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 03	257.50	DEC 31	260.00	MAR 01	260.20	MAY 02	254.30	JUN 30	256.20	AUG 29	260.00
30	275.20	FEB 01	260.80	APR 04	252.50	JUN 02	254.30	AUG 01	258.80		

WATER YEAR 2000	HIGHEST	252.50	APR 04, 2000	LOWEST	275.20	NOV 30, 1999
PERIOD OF RECORD	HIGHEST	108.98	SEP 04, 1958	LOWEST	275.20	NOV 30, 1999

LONOKE COUNTY

345057091525601. Local number, 03N08W32BBA1

LOCATION.--Lat 34 50' 57", long 91 52' 56", Hydrologic Unit 08020402, near Wattensaw.

Owner: Cabot, City of.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS--Drilled for observation well, diameter 4 in, depth 154 ft, screened 124-154 ft.

DATUM.--Land Surface 250 ft above sea level. Measuring point: Top of casing, 1.6 ft above land surface.

PERIOD OF RECORD.--June to September 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 110.92 ft below land surface, June 20, 2000: lowest, 115.85 ft below land surface, August 25, 2000.

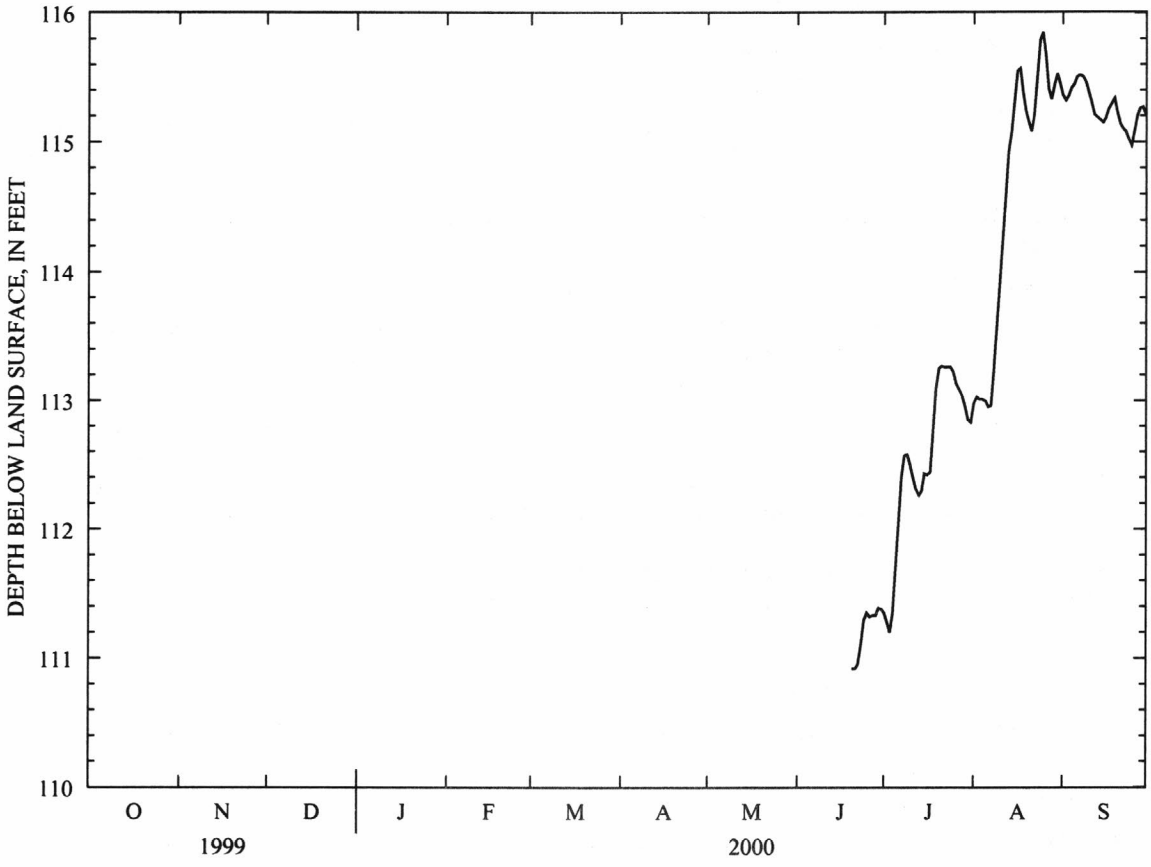
LONOKE COUNTY--CONTINUED

345057091525601. Local number, 03N08W32BBA1--continued

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	111.70	113.00	115.45
10	---	---	---	---	---	---	---	---	---	112.50	113.93	115.38
15	---	---	---	---	---	---	---	---	---	112.43	115.30	115.15
20	---	---	---	---	---	---	---	---	110.92	113.25	115.15	115.23
25	---	---	---	---	---	---	---	---	111.35	113.22	115.85	114.97
EOM	---	---	---	---	---	---	---	---	111.38	112.83	115.45	115.21
MEAN	---	---	---	---	---	---	---	---	---	112.54	114.62	115.27
MAX	---	---	---	---	---	---	---	---	---	113.27	115.85	115.52
MIN	---	---	---	---	---	---	---	---	---	111.20	112.95	114.97



345413091493401. Local number, 03N08W11ACA1

LOCATION.--Lat 34°54′ 13", long 91°49′ 34", Hydrologic Unit 08020301, near Wattensaw. Owner: Cabot, City of.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS--Drilled for observation well, diameter 4 in, depth 144 ft, screened 123-143 ft.

DATUM.--Land Surface 256 ft above sea level. Measuring point: Top of casing, 0.53 ft above land surface.

PERIOD OF RECORD.--January, 1999 to present year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.78 ft below land surface, January 11, 1999: lowest, 91.66 ft below land surface, September 26, 2000.

LONOKE COUNTY--CONTINUED

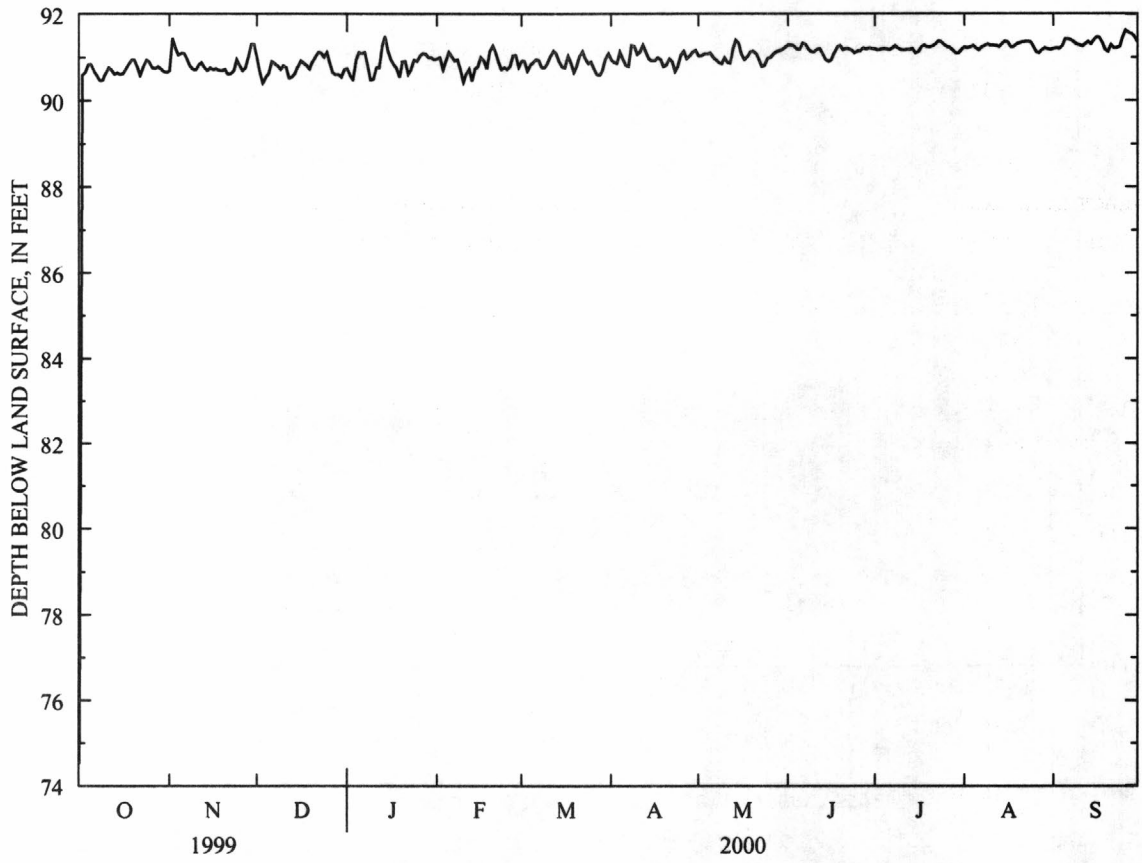
345413091493401. Local number, 03N08W11ACA1--continued

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	90.84	91.11	90.63	91.13	91.13	90.89	90.97	91.11	91.19	91.20	91.22	91.43
10	90.64	90.72	90.81	90.51	90.44	90.88	91.08	91.00	91.13	91.18	91.28	91.29
15	90.61	90.77	90.80	91.16	90.80	90.79	90.93	91.33	90.91	91.11	91.38	91.41
20	90.95	90.74	90.90	90.90	91.28	90.81	90.84	91.15	91.18	91.24	91.33	91.14
25	90.90	90.82	91.13	90.92	90.73	90.90	91.06	90.98	91.15	91.30	91.25	91.48
EOM	90.67	91.31	90.72	90.96	90.79	91.10	91.17	91.24	91.21	91.19	91.18	91.37
MEAN	90.20	90.88	90.79	90.90	90.87	90.89	91.00	91.05	91.18	91.22	91.26	91.35
MAX	90.95	91.45	91.13	91.50	91.28	91.16	91.30	91.41	91.34	91.39	91.38	91.63
MIN	74.51	90.62	90.42	90.49	90.44	90.60	90.69	90.80	90.91	91.10	91.11	91.14

WTR YR 2000 MEAN 90.96 HIGH 74.51 OCT 1 LOW 91.63 SEP 26



MONTGOMERY COUNTY

343726093481801. Local number, 01S26W29DCC1.

LOCATION.--Lat 34°37'26", long 93°48'18", Hydrologic Unit 08040101, near Oden.

Owner: U.S. Forest Service.

AQUIFER.--Stanley Shale of Devonian age.

WELL CHARACTERISTICS.--Drilled well, diameter 7 in, depth 208 ft, cased 0-84 ft.

DATUM.--Land surface, 895 ft above sea level. Measuring point: Top of casing, 2.6 ft below land surface.

PERIOD OF RECORD.--Annual water levels January 1998 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.20 ft below land surface, Feb. 22, 1999; lowest, 54.00 ft below land surface, Aug. 27, 1937.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	49.89	DEC 30	45.79	FEB 18	45.76	APR 29	43.69	JUL 12	43.87	AUG 02	47.65
NOV 19	50.40	JAN 18	47.22	MAR 16	40.56	MAY 20	44.30	AUG 01	47.53	SEP 29	49.97

WATER YEAR 2000	HIGHEST	40.56	MAR 16, 2000	LOWEST	50.40	NOV 19, 1999
PERIOD OF RECORD	HIGHEST	36.90	DEC 21, 2000	LOWEST	54.00	AUG 27, 1937

PHILLIPS COUNTY

343108090462601. Local number, 02S03E15ACD1.

LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.

Owner: Don R. Dearing.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 112 ft.

DATUM.--Land surface, 147 ft above sea level. Measuring point: Top of casing, at land surface.

PERIOD OF RECORD.--Annual water levels March 1955, January 1957 to September 1994, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft below land surface, Apr. 25, 1973; lowest, 20.81 ft below land surface, Aug. 22, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

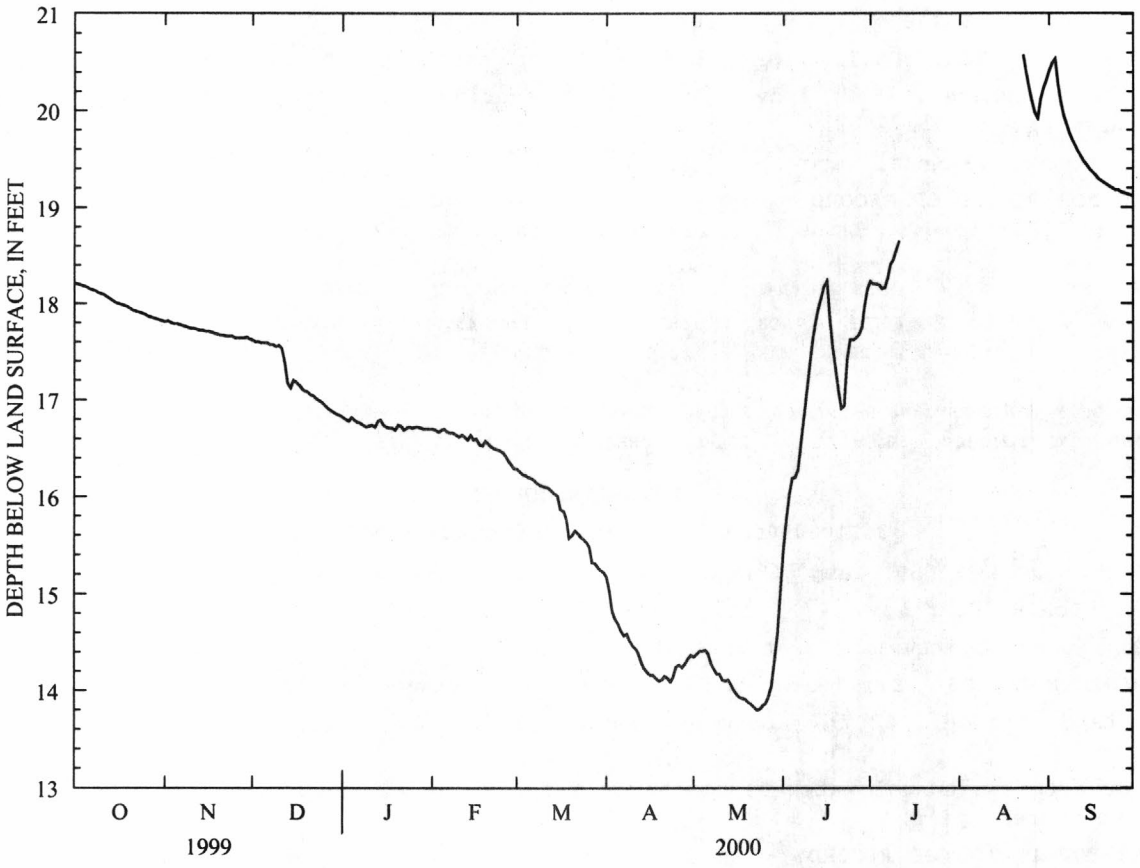
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.17	17.79	17.59	16.79	16.70	16.20	14.69	14.42	16.20	18.15	---	20.09
10	18.10	17.74	17.56	16.73	16.62	16.11	14.47	14.17	17.39	18.56	---	19.64
15	18.01	17.71	17.20	16.74	16.59	16.01	14.19	14.00	18.18	---	---	19.40
20	17.95	17.67	17.08	16.74	16.55	15.60	14.11	13.88	17.10	---	---	19.26
25	17.89	17.64	16.97	16.71	16.46	15.53	14.25	13.85	17.62	---	20.24	19.18
EOM	17.82	17.63	16.84	16.70	16.29	15.22	14.37	15.07	18.15	---	20.32	19.12
MAX	18.21	17.82	17.62	16.82	16.70	16.29	15.17	15.07	18.24	18.65	20.58	20.54
MIN	17.82	17.63	16.84	16.69	16.29	15.22	14.09	13.80	15.45	18.15	19.92	19.12

CAL YR 1999 HIGH 10.49 MAY 7 LOW 20.81 AUG 22
WTR YR 2000 HIGH 13.80 MAY 23 LOW 20.58 AUG 23

PHILLIPS COUNTY--CONTINUED

343108090462601. Local number, 02S03E15ACD1.--continued



SEVIER COUNTY

335806094100102. Local number, 09S30W23BDD2.

LOCATION.--Lat 33°58'06", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg.

AQUIFER.--Trinity Group of Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 195 ft, cased 0-175 ft, screened 175-195 ft.

DATUM.--Land surface, 440 ft above sea level.

REMARKS.--Water-quality records for June 1972, February 1977, June 1982, August 1989, August 1994, and July 2000 are available in files of district office.

PERIOD OF RECORD.--June 1972 to current year.

SEVIER COUNTY

335806094100102. Local number, 09S30W23BDD2.

WATER-QUALITY DATA

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)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JUL 2000 21...	0815	195.00	440	80513	81213	52	6.7	20.1	<5	14

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD 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)
JUL 2000 21...	3.2	1.4	3.3	32	.4	1.4	13	.80	6.1	<.10

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	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)
JUL 2000 21...	16	43	44	.06	<.010	.810	<.010	<.20	.020	18

DATE	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)
JUL 2000 21...	<.50	10	.50	<1.0	<1.0	7.1	1.7	<1.0	7	2.4

DATE	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)
JUL 2000 21...	<2.0	1.6	<1.0	19	<1	11	4.5	<3.0	2.1	4.0

STONE COUNTY

355927092122401. Local number, 16N12W25DCB1.

LOCATION.--Lat 35°59'27", long 92°12'24", Hydrologic Unit 11010004, near Fifty-Six.

Owner: U.S. Forest Service.

AQUIFER.--Boone Formation.

WELL CHARACTERISTICS.--Drilled well, diameter 6.5 in, depth 88 ft, cased 0-29 ft.

DATUM.--Land surface, 485 ft above sea level. Measuring point: Top of casing, 0.0 ft above land surface.

PERIOD OF RECORD.--Annual water levels March 1998 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.80 ft below land surface, Apr. 22, 1998; lowest, 69.15 ft below land surface, Mar. 14, 2000.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	67.15	MAR 14	69.15	JUN 07	66.48	AUG 04	67.65
FEB 18	67.42	APR 12	67.08	JUL 05	66.78	SEP 22	67.85

WATER YEAR 2000 HIGHEST 66.48 JUN 07, 2000 LOWEST 69.15 MAR 14, 2000
PERIOD OF RECORD HIGHEST 60.80 APR 22, 1998 LOWEST 69.15 MAR 14, 2000

UNION COUNTY

331041092431401. Local number, 18S16W11AAB1

LOCATION.--Lat 33°10'41", long 92°43'14", Hydrologic Unit 08040202, near El Dorado.

Owner: Great Lakes Chemical.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS--Diameter 4 in, depth 520 ft.

DATUM.--Land Surface 225 ft above sea level. Measuring point: Top of casing, 0.89 ft above land surface.

PERIOD OF RECORD.--Continuous water levels March to September 2000.

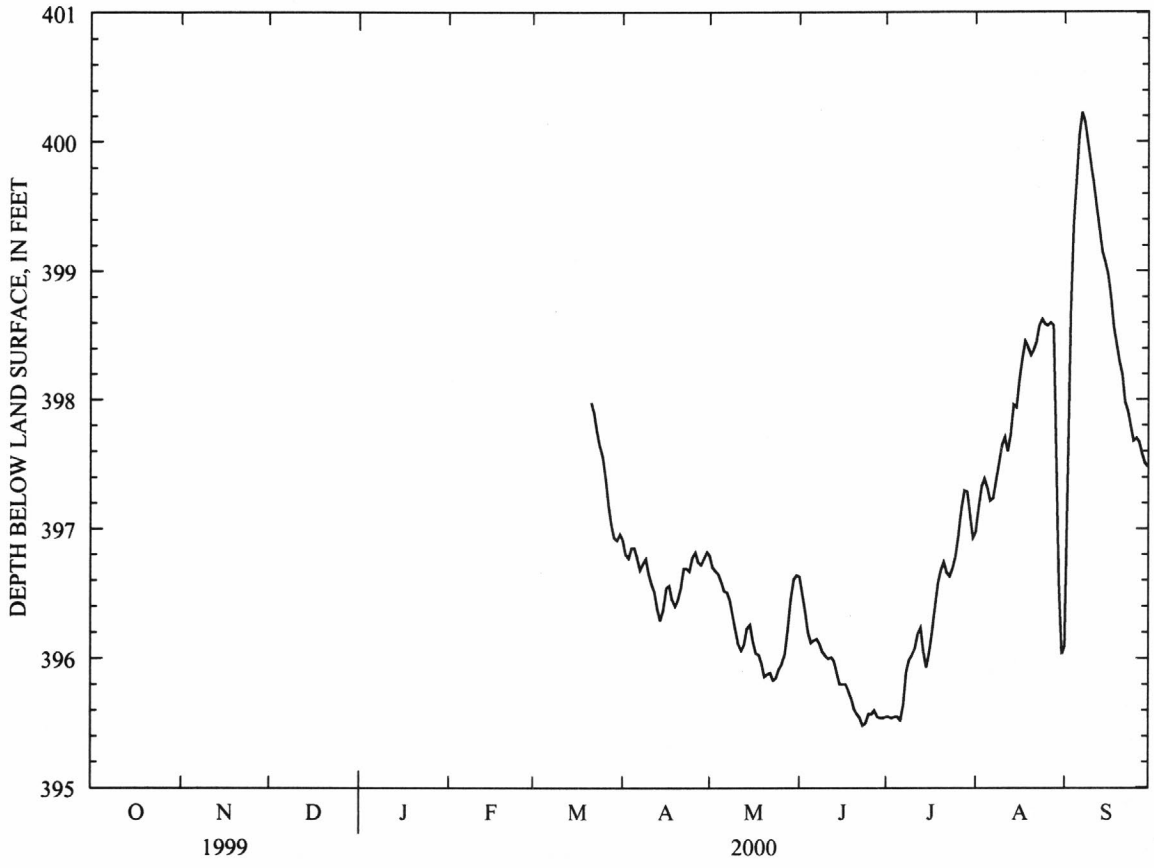
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 395.39 ft below land surface, June 29, 2000: lowest, 400.23 ft below land surface, September 7, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	396.85	396.59	396.12	395.55	397.32	399.73
10	---	---	---	---	---	---	396.65	396.23	396.02	396.03	397.65	399.82
15	---	---	---	---	---	---	396.37	396.26	395.80	395.93	397.94	399.07
20	---	---	---	---	---	---	396.45	395.86	395.61	396.68	398.35	398.30
25	---	---	---	---	---	397.56	396.78	395.92	395.57	396.78	398.59	397.68
EOM	---	---	---	---	---	396.96	396.82	396.64	395.54	396.93	396.03	397.48
MEAN	---	---	---	---	---	---	396.65	396.24	395.87	396.30	397.83	398.62
MAX	---	---	---	---	---	---	396.91	396.79	396.63	397.30	398.63	400.23
MIN	---	---	---	---	---	---	396.29	395.83	395.48	395.52	396.03	396.10

331041092431401. Local number, 18S16W11AAB1--continued



331144092410601. Local number, 17S15W31DDA1

LOCATION.--Lat 33°11'44", long 92°41'05", Hydrologic Unit 08040202, near El Dorado. Owner: Lion Oil.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS--Drilled for industrial production well, converted to observation, diameter 16 in, depth 740 ft, screened 650-730 ft.

DATUM.--Land Surface 261 ft above sea level. Measuring point: Top of casing, 0.0 ft above land surface.

PERIOD OF RECORD.--Annual water levels April 1951, March 1952, March to September 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 329 ft below land surface, April 1, 1951: lowest, 467.12 ft below land surface, March 3, 1999.

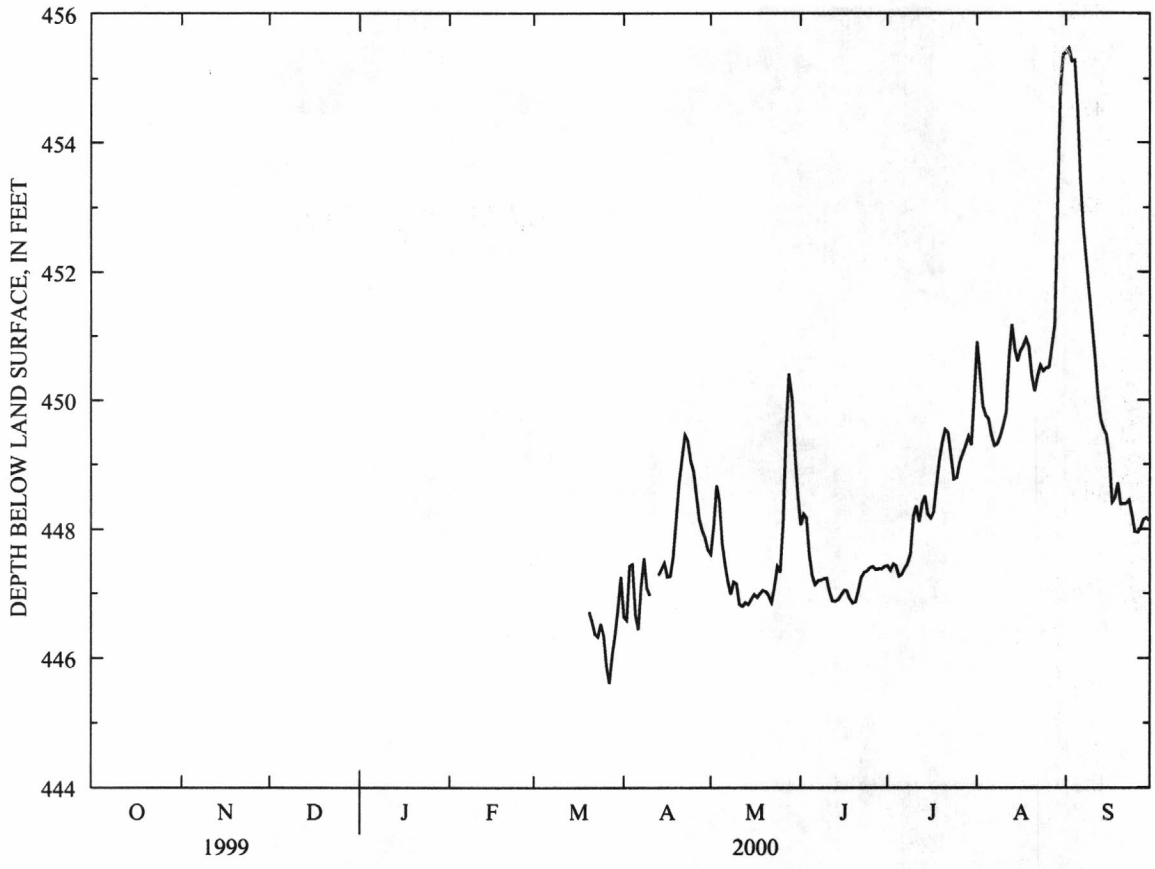
DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	446.68	447.79	447.28	447.27	449.70	454.55
10	---	---	---	---	---	---	446.97	447.15	447.24	448.20	449.61	451.11
15	---	---	---	---	---	---	447.48	446.92	446.98	448.23	450.61	449.46
20	---	---	---	---	---	446.71	448.73	447.03	446.87	449.35	450.38	448.39
25	---	---	---	---	---	446.35	448.89	447.33	447.40	448.79	450.50	447.96
EOM	---	---	---	---	---	447.26	447.68	448.53	447.42	450.11	455.38	448.13
MEAN	---	---	---	---	---	---	---	447.65	447.27	448.46	450.71	450.38
MAX	---	---	---	---	---	---	---	450.41	448.23	450.11	455.38	455.48
MIN	---	---	---	---	---	---	---	446.80	446.85	447.27	449.29	447.95

UNION COUNTY--CONTINUED

331144092410601. Local number, 17S15W31DDA1



331346092391101. Local number, 17S15W28DBA1

LOCATION.--Lat 33°12'46", long 92°39'10", Hydrologic Unit 08040201, near El Dorado. Owner: El Dorado, City of.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS--Drilled for public water supply well, converted to observation, diameter 16 in, depth 668 ft, screened 588-688 ft.

DATUM.--Land Surface 230 ft above sea level. Measuring point: Top of casing, 0.0 ft above land surface.

PERIOD OF RECORD.--Annual water levels April 1982 to March 1990, June 1993, and March 1999. Continuous water levels March to September 2000.

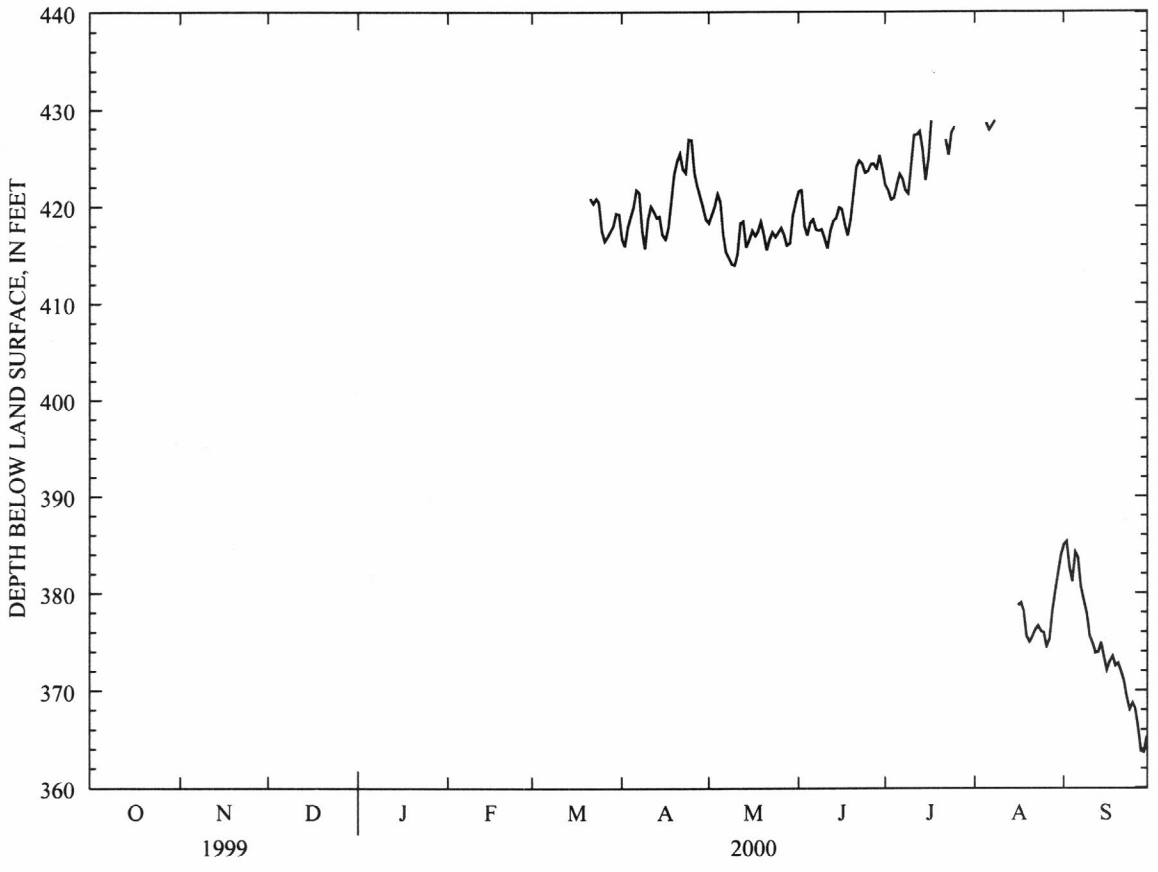
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 363.27 ft below land surface, September 28, 2000: lowest, 427.22 ft below land surface, March 3, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	419.96	420.45	418.39	422.17	428.56	384.22
10	---	---	---	---	---	---	418.67	413.95	416.77	424.18	---	375.57
15	---	---	---	---	---	---	417.17	416.61	419.93	422.68	---	373.43
20	---	---	---	---	---	---	424.64	417.21	421.40	---	374.99	372.80
25	---	---	---	---	---	417.61	426.80	417.39	423.61	428.18	375.99	368.73
EOM	---	---	---	---	---	419.22	418.70	420.46	423.84	---	383.91	365.27
MEAN	---	---	---	---	---	---	420.46	417.35	420.42	---	---	374.22
MAX	---	---	---	---	---	---	426.87	421.33	425.24	---	---	385.32
MIN	---	---	---	---	---	---	415.70	413.95	415.74	---	---	363.66

331346092391101. Local number, 17S15W28DBA1



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 Eocene 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.--Annual water levels 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	DATE	WATER LEVEL
OCT 20	361.09	DEC 20	360.71	FEB 20	361.34	APR 19	360.33	JUN 20	374.39	AUG 19	374.86
NOV 20	360.68	JAN 20	360.35	MAR 16	360.44	MAY 20	374.20	JUL 20	374.23	SEP 20	375.84

WATER YEAR 2000	HIGHEST	360.33	APR 19, 2000	LOWEST	375.84	SEP 20, 2000
PERIOD OF RECORD	HIGHEST	122.00	1942	LOWEST	381.37	APR 29, 1993

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY

PRECIPITATION QUALITY

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 January 2000.

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.--Data for this site are verified by the National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, NADP Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, Illinois 61820. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey.

Finalized quality assured data from all 200 NADP/NTN sites including the U.S. Geological Survey site near Caddo Valley, Arkansas, are available online via the internet at http:/ /btdqs.usgs.gov/acidrain. Paper copies of the data for Caddo Valley are available by contacting the Arkansas District Office, 401 Hardin Road, Little Rock, Arkansas 72211, (501) 228-3600.

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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.

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
401 Hardin Road
Little Rock, Arkansas 72211

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