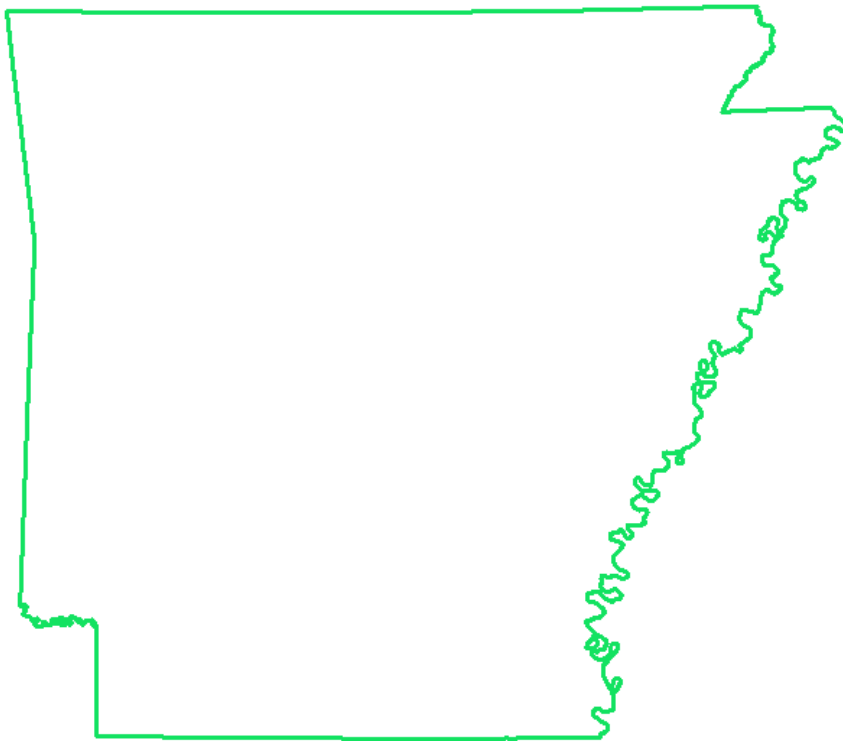
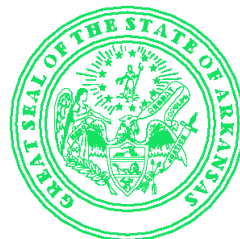


Water Resources Data Arkansas Water Year 2005

Water-Data Report AR-05-1



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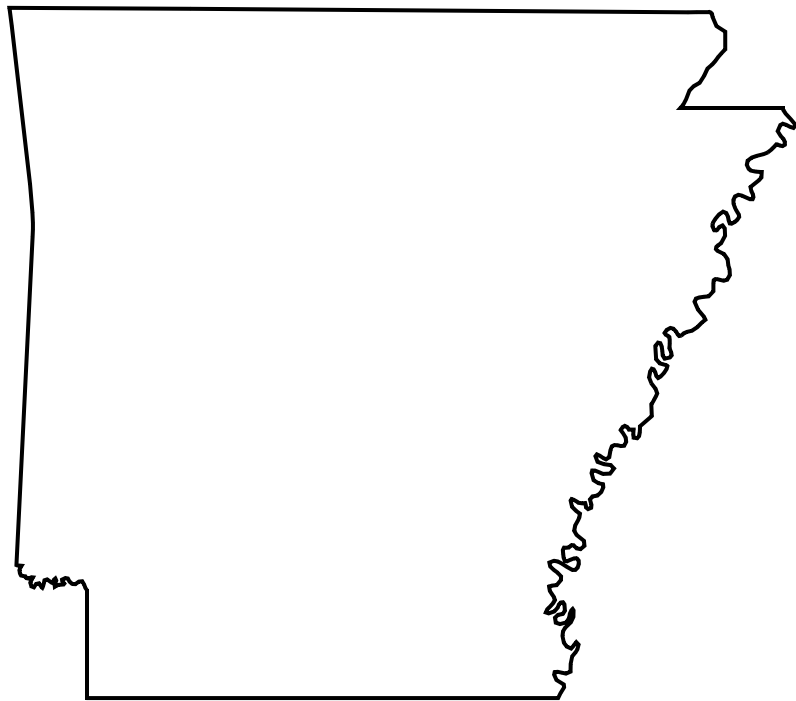
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State of Arkansas
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U.S. Geological Survey

Water Resources Data Arkansas Water Year 2005

By T.P. Schrader, D.A. Evans, and T.H. Brossett

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State of Arkansas and with other agencies



U. S. DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

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Little Rock, Arkansas 72211

2006

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 U.S. Geological Survey policy and established guidelines.

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

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This report was prepared in cooperation with the State of Arkansas and with other agencies under the general supervision of W. Reed Green, Assistant Director and John E. Terry, Director, USGS Arkansas Water Science Center.

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The U.S. Geological Survey Arkansas Water Science Center, 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 database for developing an improved understanding of the water resources of the State.

Water resources data reported for the 2005 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 Louisiana, Missouri, and Oklahoma also are included. This report contains daily discharge records for 99 surface-water gaging stations, 18 peak-discharge partial-record stations, 8 stage-only stations, water-quality data for 72 surface-water stations and 17 wells, and water levels for 50 observation wells. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements.

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[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.]

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[Letters after station name designate type of data: (c) chemical, (m) monthly water levels, (q) quarterly water levels, (r) continuous records]

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INTRODUCTION

The U.S. Geological Survey, Arkansas Water Science Center (WSC), 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 U.S. 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 <http://water.usgs.gov/nwis/>) and U.S. Environmental Protection Agency STORET databases.

Water resources data reported for the 2005 water year for Arkansas consist of records of discharge and water quality (physical measurements and chemical concentrations) of streams, lakes, and ground-water and ground-water levels. Data from selected sites in Louisiana, Missouri, and Oklahoma also are included. This report contains daily discharge records for 99 surface-water gaging stations, 18 partial-record stations, and 8 stage-only stations; water-quality data for 72 surface-water stations and 17 wells, and water levels for 50 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-05-1.

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 2005 are:

Arkansas Natural Resources Commission, J. Randy Young, Director
Arkansas Department of Environmental Quality, Marcus C. Devine, Director
Arkansas Geological Commission, Bekki White, State Geologist
Arkansas Game and Fish Commission, Scott Henderson, Director
Arkansas Department of Parks and Tourism, Richard W. Davies, Director
Central Arkansas Water, James T. Harvey, Chief Executive Officer
Beaver Water District, Alan Fortenberry, Engineer-Manager
City of Batesville, Joe M. Biard, City Mayor
City of Cabot, Mickey (Stubby) Stumbaugh, City Mayor
City of Fayetteville, Dan Coody, City Mayor
City of Fort Smith, Steve Parke, Director of Utilities

WATER RESOURCES DATA FOR ARKANSAS, 2005

Grand Prairie Water Users Association-Bayou Two, Terry House, Manager

Rogers Water Utilities, Tom McAlister, Utility Manager

Union County Conservation District, Ken Rudder

Union County Water Conservation Board, Robert Reynolds

Assistance in the form of funds or services was provided to collect records for some of the gaging stations and water-quality stations published in this report by the U.S. Army Corps of Engineers, National Park Service, Southwestern Power Administration, Entergy, U.S. Fish and Wildlife Service, National Weather Service, Bureau of Land Management, and Natural Resources Conservation Service. 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. Above-average rainfall in the fall resulted in above-average runoff throughout most of the State during the first part of the 2005 water year. Below-average rainfall during the remainder of the year resulted in below-average streamflow for the remaining three-quarters of the water year. Discharge for the year (as a percentage of the median for the base period 1961-2000) was 113 percent for the index station on the Buffalo River near St. Joe, in northern Arkansas; 86 percent for the index station on the James Fork near Hackett, in western Arkansas; 121 percent for the index station on the Big Piney Creek at Highway 164 near Dover, in west-central Arkansas; and 121 percent for the index station on the Saline River near Rye, in southern Arkansas. Monthly and annual mean discharges for the 2005 water year, and median for the monthly and annual mean discharges for the base period 1961-2000 at the St. Joe, Hackett, Dover, and Rye sites are shown on figure 1.

Above average rainfall occurred during the first 2 months of the 2005 water year and below average for the remainder of the year. During October and November, a series of large rain events occurred over most of Arkansas. According to the National Weather Service in Little Rock, October 2004 was the fourth wettest October on record and November 2004 was the third wettest on record. No significant flooding occurred during either of these months, however some streamgages did record their peak-of-the-year during this time. The remaining ten months of the year were below average in precipitation amounts which in turn, generated drought conditions for parts of Arkansas.

Discharge statistics for the 2005 water year compared to the discharge statistics for the period of record at 10 stations are presented below.

Station identification	Period of record	Statistics of discharge during 2005 water year (cubic feet per second)			Statistics of discharge during period of record (cubic feet per second)		
		Maximum instantaneous	Minimum instantaneous ^a	Mean	Maximum instantaneous	Minimum instantaneous	Mean
07047942 L'Anguille River near Colt	1970-05	4,210		766	16,600	0.99	718
07060710 North Sylamore Creek near Fifty-Six	1965-05	2,110	0	46.6	25,200	.30	45.8
07077380 Cache River at Egypt	1964-05	4,740	.00	884	8,490	.00	863
07196900 Baron Fork at Dutch Mills	1958-05	4,200	.00	35.8	20,900	.00	44.5
07249400 James Fork near Hackett	1958-05	6,680	.58	127	30,000	.00	145
07261000 Cadron Creek near Guy	1954-05	5,680	.09	226	24,200	.00	268
07264000 Bayou Meto near Lonoke	1954-05	1,630	.00	337	5,750	.00	288
07340300 Cossatot River near Vandervoort	1967-05	32,800	5.5	149	32,800	5.5	190
07356000 Ouachita River near Mt. Ida	1941-05	20,900	9.6	631	102,000	2.3	726
07364150 Bayou Bartholomew near McGehee	1938-42, 1945-05	3,610	9.0	737	6,870	.20	695

^aUndetermined

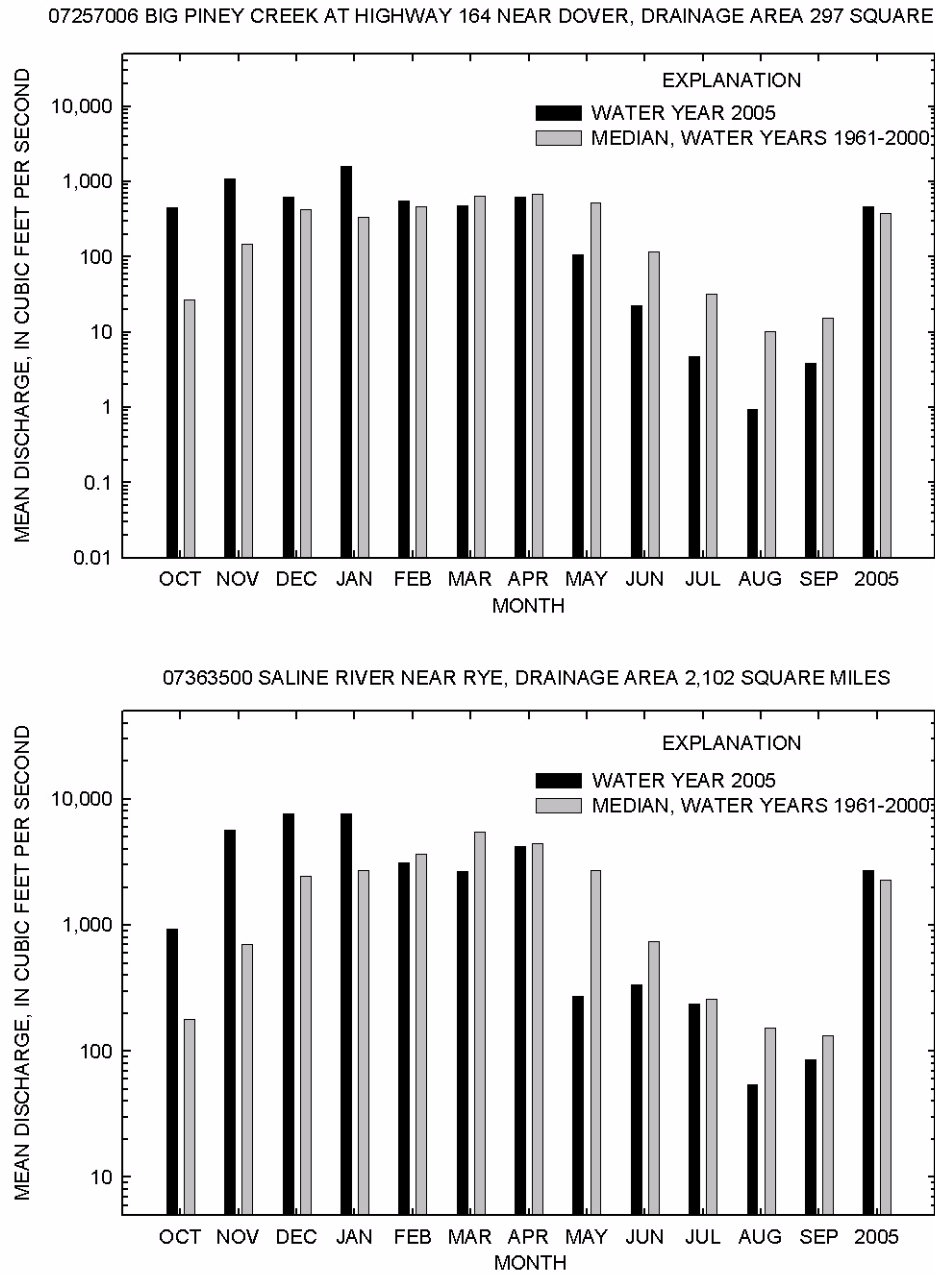


Figure 1.--Comparison of discharge at four representative long-term gaging stations for the 2005 water year with the median of the monthly and annual mean discharges for a 40-year base period.

WATER RESOURCES DATA FOR ARKANSAS, 2005

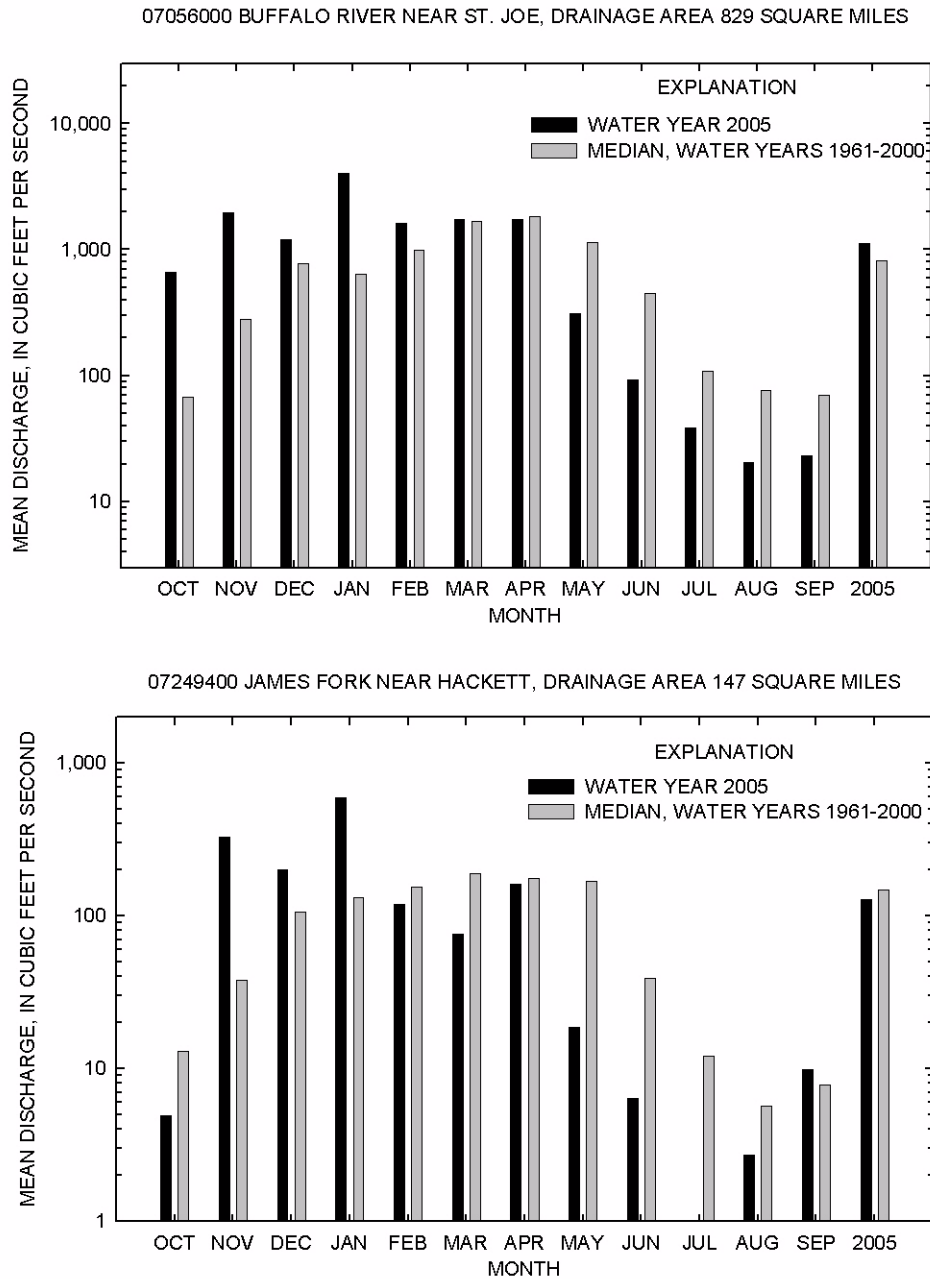


Figure 1.--Comparison of discharge at four representative long-term gaging stations for the 2005 water year with the median of the monthly and annual mean discharges for a 40-year base period--continued.

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. Streams in the Mississippi Alluvial Plain in the State are 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-quality data from laboratory analyses can be retrieved from the website at <http://waterdata.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 2005 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 2005 water year was 1,120 mg/L in the Red River at Index. Suspended-sediment concentrations, in milligrams per liter, for selected stream sampling sites are presented below.

	Period of record	2005 water year		Period of record through 2005	
		Minimum	Maximum	Minimum	Maximum
07046600 Right Hand Chute of Little River at Rivervale	1977-05	62	892	25	1,070
07047942 L' Anguille River near Colt	1970-05	22	265	4	2,410
07060710 North Sylamore Creek near Fifty-Six	1966-05	14	52	0	198
07263620 Arkansas River at David D. Terry Lock and Dam below Little Rock	1969-05	8	43	2	4,140
07362000 Ouachita River at Camden	1947-52, 1974-05	10	34	6	639
07337000 Red River at Index	1947-56, 1980-05	35	1,120	16	8,200

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The highest fecal-coliform bacteria density found in selected streams in 2005 water year was 7,000 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. [E, Results estimated]

	Period of record	2005 water year		Period of record through 2005	
		Minimum	Maximum	Minimum	Maximum
07047942 L'Anguille River near Colt	1970-05	34	280	<3	E6,800
07053250 Yocum Creek near Oak Grove	1993-05	E6	7,000	<1	E15,000
07060710 North Sylamore Creek near Fifty-Six	1966-05	E2	<100	<1	1,400
07362000 Ouachita River at Camden	1947-52, 1974-05	E12	100	<1	1,600

The highest dissolved-solids concentration found in selected streams in 2005 water year was 433 mg/L in the L'Anguille River near Colt. Dissolved-solids concentrations, in milligrams per liter, for selected sampling sites are presented below.

	Period of record	2005 water year		Period of record through 2005	
		Minimum	Maximum	Minimum	Maximum
07047942 L'Anguille River near Colt	1970-05	61	433	45	424
07263620 Arkansas River at David D. Terry Lock and Dam below Little Rock	1969-05	179	406	85	690

The highest dissolved chloride concentration found in selected streams in 2005 water year was 109 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.

	Period of record	2005 water year		Period of record through 2005	
		Minimum	Maximum	Minimum	Maximum
07047942 L'Anguille River near Colt	1977-05	3.04	45.8	1.9	49
07053250 Yocum Creek near Oak Grove	1970-05	9.12	12.9	4.6	16.1
07060710 North Sylamore Creek near Fifty-Six	1966-05	1.23	1.91	.3	18
07263620 Arkansas River at David D. Terry Lock and Dam below Little Rock	1969-05	44.7	109	11	290
07362000 Ouachita River at Camden	1947-52, 1974-05	2.83	7.20	2.1	79

The highest total phosphorus concentration found in selected streams in 2005 water year was 0.127 mg/L in Arkansas River at David D. Terry Lock and Dam below Little Rock. Total phosphorus concentrations, in milligrams per liter, for selected sampling sites are presented below. [E, Results estimated]

	Period of record	2005 water year		Period of record through 2005	
		Minimum	Maximum	Minimum	Maximum
07053250 Yocum Creek near Oak Grove	1977-05	0.040	0.083	<0.01	0.45
07060710 North Sylamore Creek near Fifty-Six	1970-05	E.002	.011	E.002	.34
07263620 Arkansas River at David D. Terry Lock and Dam below Little Rock	1966-05	.056	.127	<.01	.61
07362000 Ouachita River at Camden	1969-05	E.020	.04	<.01	.31

Ground Water

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

The regional potentiometric gradient in the alluvial aquifer is toward the south and southeast from an altitude of approximately 293 feet above National Geodetic Vertical Datum of 1929 (NGVD29) in the northeastern part of the State to about 76 feet in Arkansas County. The natural gradient of the water surface has been interrupted at two locations where large withdrawals for irrigation have created cones of depression. The first cone of depression has become elongated along a northwest to southeast axis, and is located in parts of Lonoke, Prairie, and Arkansas Counties; the second cone has developed by the convergence of two cones west of Crowleys Ridge into one larger cone. The second cone extends through Craighead, Cross, Poinsett, western St. Francis, western Lee, and eastern Monroe Counties.

The regional potentiometric gradient of the Sparta-Memphis aquifer generally is southeastward except where affected by large withdrawals. Three cones of depression, centered in Columbia, Union, and Jefferson Counties, have developed because of 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 Jefferson County into Arkansas County. The deepest water level in the Sparta-Memphis aquifer during the spring of 2005 was 470 feet below land surface, which occurred in Union County.

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from http://water.usgs.gov/ADR_Defs_2005.pdf. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

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 USGS 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.

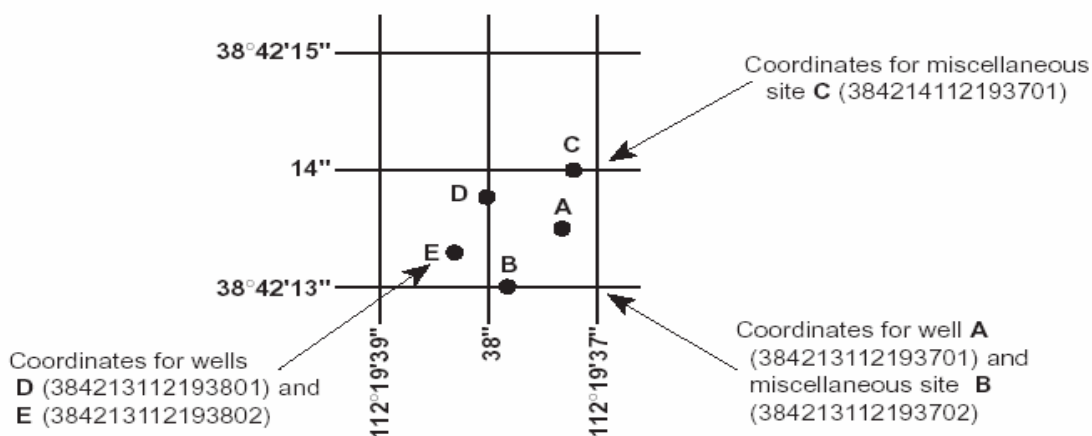
Downstream Order and Station Number

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of 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 entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indentation in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

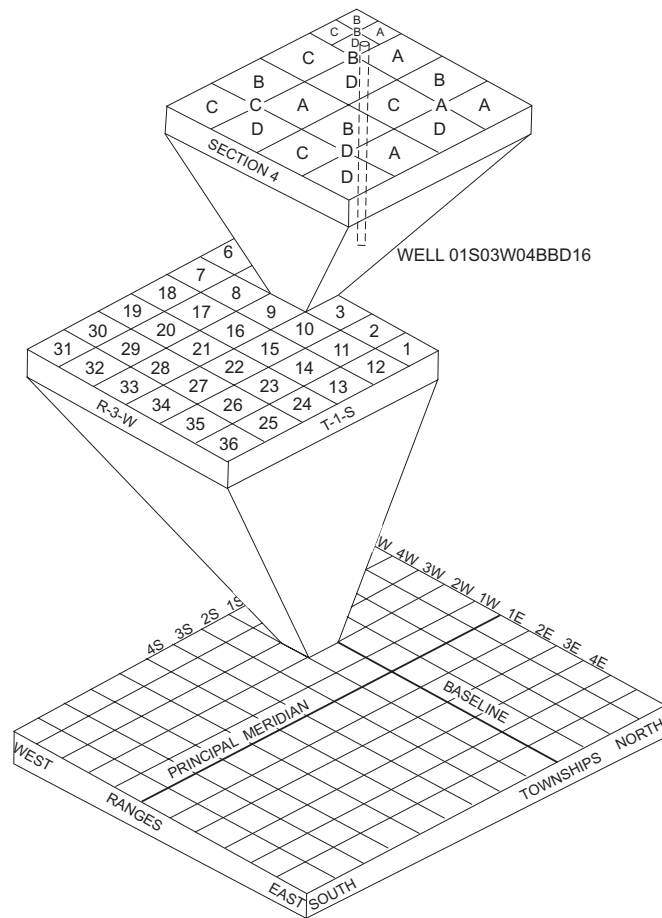
As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

Numbering System for Wells and Miscellaneous Sites

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells. The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.



In addition to the well number that is based on latitude and longitude given for each well, another well number may be provided which in many states is based on the Public Land Survey System, a set of rectangular surveys that is used to identify land parcels. This well number is familiar to the water users of Arkansas and shows the location of the well by quadrant, township, range section, and position within the section. The capital letter at the beginning of the location number indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian—A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the township, the second the range, and the third the section in which the well is located. Lowercase letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counter-clockwise direction beginning with (a) in the northeast quarter of the section. Letters are assigned within each quarter section and quarter-quarter section in the same manner. Where two or more wells are located within the smallest subdivision, consecutive numbers beginning with 1 are added to the letters in the order in which the wells are inventoried.



The well-numbering system used in this report is based upon the location of the wells according to the Federal land survey used in Arkansas. The component parts of a well number are the township number; the range number; the section number; three letters which indicate, respectively, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section in which the well is located; and a sequence number of the well in the quarter-quarter-quarter section. The letters are assigned counterclockwise, beginning with "A" in the northeast quarter or quarter-quarter or quarter-quarter-quarter section in which the well is located. For example, well 01S03W04BBD16 is located in Township 1 South, Range 3 West, and in the southeast quarter of the northwest quarter of the northwest quarter of section 4. This well is the 16th well in this quarter-quarter-quarter section of section 4 from which data were collected. Wells were located using a Global Positioning System (GPS) capable of accuracy to one-tenth of a second of latitude and longitude, referenced to North American Datum 1983.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast

with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://ny.cf.er.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 33 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River Basins. For the period 2000 through 2005, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of 5 stations has been implemented on the Yukon River. 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 (NAWQA) Program; (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. Additional information about the NASQAN Program may be accessed from <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provide continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from <http://bqs.usgs.gov/acidrain/>.

The USGS National Water-Quality Assessment (NAWQA) Program 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; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 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 is 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 will provide information for water-resources managers to use in making decisions 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 semiannually 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 may be accessed from <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (fig. 2) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage obtained from a water-stage recorder are downloaded electronically in the field to a laptop computer or similar device or are transmitted using telemetry such as satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, OSW Technical Memorandum 2005.5, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from <http://water.usgs.gov/pubs/twri/>. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

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

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation then is used to calculate average discharge.

At some stations, 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 stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. 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 from other stations in the same or nearby basins.

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

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

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the 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 from other stations in the same or nearby basins. Likewise, lake or reservoir volumes 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 (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) 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; and (5) a hydrograph of discharge.

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 or lake content. Comments follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information 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 term indicates the time 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 its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, 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 either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented 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, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations 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 USGS Arkansas WSC at 401 Hardin Road, Little Rock, Arkansas 72211, to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the REMARKS and in the inclusion of a stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any one year.

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 arithmetic 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 is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect 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 volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (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 values. 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. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that 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.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, 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:

Acre-foot (AC-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.

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

Inches (INCHES) indicate the depth to which the drainage area would be covered if all of 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. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e—Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

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 degree of accuracy of the records is stated in the REMARKS in the station description. “Excellent” indicates that about 95 percent of the daily discharges are within 5 percent of the true value; “good” within 10 percent; and “fair,” within 15 percent. “Poor” indicates that daily discharges have less than “fair” accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, 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 Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the USGS Arkansas WSC. Also, most stream-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 USGS Arkansas WSC at 401 Hardin Road, Little Rock, Arkansas 72211.

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the

previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol “---” in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

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

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

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 at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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 and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2359 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous sampling site* is a location other than a continuous- or partial-record station, where samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 3.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[\leq , less than or equal to; \pm , plus or minus value shown; $^{\circ}\text{C}$, degree Celsius; $>$, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured field parameter	Ratings of accuracy (Based on combined fouling and calibration drift corrections applied to the record)			
	Excellent	Good	Fair	Poor
Water temperature	$\leq \pm 0.2^{\circ}\text{C}$	$> \pm 0.2 - 0.5^{\circ}\text{C}$	$> \pm 0.5 - 0.8^{\circ}\text{C}$	$> \pm 0.8^{\circ}\text{C}$
Specific conductance	$\leq \pm 3\%$	$> \pm 3 - 10\%$	$> \pm 10 - 15\%$	$> \pm 15\%$
Dissolved oxygen	$\leq \pm 0.3$ mg/L or $\leq \pm 5\%$, whichever is greater	$> \pm 0.3 - 0.5$ mg/L or $> \pm 5 - 10\%$, whichever is greater	$> \pm 0.5 - 0.8$ mg/L or $> \pm 10 - 15\%$, whichever is greater	$> \pm 0.8$ mg/L or $> \pm 15\%$, whichever is greater
pH	$\leq \pm 0.2$ units	$> \pm 0.2 - 0.5$ units	$> \pm 0.5 - 0.8$ units	$> \pm 0.8$ units
Turbidity	$\leq \pm 0.5$ turbidity units or $\leq \pm 5\%$, whichever is greater	$> \pm 0.5 - 1.0$ turbidity units or $> \pm 5 - 10\%$, whichever is greater	$> \pm 1.0 - 1.5$ turbidity units or $> \pm 10 - 15\%$, whichever is greater	$> \pm 1.5$ turbidity units or $> \pm 15\%$, whichever is greater

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must 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 given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. These TWRI's are listed in this report. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Arkansas WSC at 401 Hardin Road, Little Rock, Arkansas 72211.

Water Temperature

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

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file at the USGS Arkansas WSC.

Sediment

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

During periods of rapidly changing flow or rapidly changing concentration, samples may 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 discharge times mean concentration times 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 discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

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

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

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. 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. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

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 is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. 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.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

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 USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (<http://waterdata.usgs.gov/nwis>). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E or e	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by the USGS Arkansas WSC are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the USGS Arkansas WSC.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is

believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected by the USGS Arkansas WSC are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs (See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation).

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRI's referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. 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.

Water-level measurements in this report are given in feet with reference to land-surface datum (l.s.d.). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above NGVD29 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 of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths 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 a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figure 4; each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

Data published for the well in Garland County, station name 09S19W33CBD1 and site identification 343048093030401, from water years 1997 through 2002 were incorrect. The data reported for the water years 1997 through 1999 required a correction of 19.01 to 21.63 additional feet in depth to water below land surface. The data reported for the water years 2000 through 2002 required a correction of 91.46 to 101.14 additional feet in depth to water below land surface. The data and hydrographs for the entire period of record from 1991 to present are published in this water data report.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1983 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), 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 NGVD29; 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, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum (lsd) and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to land-surface datum. Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

Hydrographs published in reports for water years 2000 and 2001, Water-Data Report AR-00-1 and Water-Data Report AR-01-1, respectively, were displayed incorrectly. The hydrographs were inverted, displaying the lowest water levels at the top of the hydrograph and the highest water levels at the bottom of the hydrograph.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide.

Most methods for collecting and analyzing water samples are described in the TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS Arkansas WSC at 401 Hardin Road, Little Rock, Arkansas 72211.

Laboratory Measurements

Measurements of alkalinity, pH, water temperature, and specific conductance are performed on-site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2 and Book 5, Chapters A1, A3, and A4, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

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 from <http://water.usgs.gov>.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from the USGS Arkansas WSC at 401 Hardin Road, Little Rock, Arkansas 72211.

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-DISCHARGE STATIONS

Station number	Station name	Drainage area (mi ²)	Period of record
ST. FRANCIS RIVER BASIN			
07047000	St. Francis River Floodway near Marked Tree (Dam)	4,644	1934-65
07047500	St. Francis River at Marked Tree	5,148	1934-73
07047810	St. Francis River Floodway near Marked Tree	--	1935-70 1991-04
07047815	Cross County Ditch near Birdeye	--	1995-00
07047882	Straight Slough near Birdeye	--	1995-00
07047904	Clark Corner Cut-Off near Colt	--	1995-00
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
07049563	Prairie Creek northeast of Rogers	2.6	2000-02
*07053207	Long Creek at Denver	104	1995-01, 2002-04
*07054410	Bear Creek near Omaha	133	1995-01, 2002-04
07055000	White River near Flippin	6,081	1928-80
*07055608	Crooked Creek at Yellville	406	1988-94, 2002-03
07055893	Calf Creek near Silver Hill	--	2001-03
07057000	Buffalo River near Rush	1,096	1928-70
07057250	White River at Shipps Ferry	8,007	1963-64
*07058980	Bennett's River at Vidette	68.2	2002-04
*07059450	Big Creek at Elizabeth	51.9	2002-04
07060892	Sullivan Creek at Sandtown	27.2	1990-91, 1993-94
07068890	Fourche River above Pocahontas	229	1964-70
07069220	Spring River near Mammoth Spring	280	1988-94
07073000	Strawberry River near Evening Shade	217	1939-79
07073500	Piney Fork at Evening Shade	99.2	1939-84
*07074000	Strawberry River near Poughkeepsie	473	1936-95 2002-03
*07074850	White River near Augusta	20,464	2002-03
*07075000	Middle Fork of Little Red River at Shirley	302	1939-84
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
*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

WATER RESOURCES DATA FOR ARKANSAS, 2005

ARKANSAS RIVER BASIN--CONTINUED

07253500	Sixmile Creek near Branch	36.7	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville	2.76	1960-70
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville	5.81	1960-70
07255000	Sixmile Creek at Caulksville	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch	4.49	1960-70
07255500	Hurricane Creek near Branch	17.2	1954-70
07256000	Hurricane Creek near Caulksville	53	1954-70
*07256500	Spadra Creek at Clarksville	61.1	1952-70
*07257200	Little Piney Creek near Lamar	154	2002-03
*07258000	Arkansas River at Dardanelle	153,670	1937-94 2000-03
07259500	Petit Jean River near Waveland	516	1939-80
*07260673	West Fork Point Remove Creek near Hattieville	222	2002-03
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
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

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-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. Sp. Cond., Temp.	1974-93 1974-81
07265455	Mississippi River near Greenville, Mississippi	Chem.	1973-74
ST. FRANCIS RIVER BASIN			
07040350	Big Slough Ditch near Paragould	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manila	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbrow	Chem.	1972-74
07047400	Pemiscot Bayou near Dell	Chem.	1974-83
07047500	St. Francis River at Marked Tree	Chem.	1946, 1950-55, 1966-73
07047560	Tyronza River near Dyess	Chem.	1977
07047570	Tyronza Bayou near Dyess	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto	Chem.	1977
07047590	Tyronza River near Spear Lake	Chem.	1977
07047700	Tyronza River near Twist	Chem.	1974-88
07047800	St Francis River at Parkin	Chem.	1973-94
07047810	St Francis River Floodway near Marked Tree	Sed.	1990-00
07047815	Cross County Ditch near Birdeye	Sed.	1996-00
07047882	Straight Slough near Birdeye	Chem., Sed.	1977-84 1996-00
07047904	Clark Corner Cut-Off near Colt	Sed.	1990-00
07047936	L'Anguille River near Cherry Valley	Chem., Sed.	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, 1959,63, 1976-79 1976-81
07049693	White River at Campground E near Busch	Temp., D.O.	1991-98
07049695	White River above Busch	Chem., Temp.	1969, 1972-82

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-DISCHARGE STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi ²)	Period of record
WHITE RIVER BASIN--CONTINUED			
07050000	White River at Beaver	Chem.	1945-46, 1948-53, 1974-83
07050500	Kings River near Berryville	Chem.	1953-60, 1971-04
07053207	Long Creek near Denver	Chem.	2004
07054410	Bear Creek near Omaha	Chem.	1964, 1987-88, 2004
07054535	White River below Bruce Creek near Lakeview	D.O., Temp	1992-93
07055000	White River near Flippin	Chem.	1945-50, 1953,79
07055550	Crooked Creek Tributary near Dog Patch	Chem.	1947-59, 1966-82
07055600	Crooked Creek at Pyatt	Chem.	1963,64, 1974-78
07055608	Crooked Creek near Yellville	Chem.	1979-94, 2004
07055630	White River at Buffalo City	Temp.	1963-64
07055646	Buffalo River near Boxley	Chem.	1994-04
07055700	Little Buffalo River at Jasper	Temp.	1963-70
07055893	Calf Creek near Silver Hill	Chem.	2001-04
07056000	Buffalo River near St. Joe	Chem.	1954-57, 1974-04
07056507	Bear Creek west of Marshall	Chem.	1983-86
07056515	Bear Creek near Silver Hill	Chem.	1999-04
07057000	Buffalo River near Rush	Chem.	1946-54, 1958-59, 1961,63
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

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-DISCHARGE STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi ²)	Period of record
WHITE RIVER BASIN--CONTINUED			
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, 1963,66, 1972-79
07072500	Black River at Black Rock	Chem.	1946,53, 1967-94
07073000	Strawberry River near Evening Shade	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade	Chem.	1959,79
07074000	Strawberry River near Poughkeepsie	Chem.	1949-60, 1971,72, 1979
07074490	Black River at Jacksonport	Chem.	1964, 1974-83
07074491	White River at Jacksonport	Chem.	1983-86
07074595	Village Creek near Walnut Ridge	Chem.	1973-74, 1976-77
07074645	Lick Pond near Alicia	Chem.	1976-77
07074660	Village Creek near Swifton	Chem.	1973-74, 1976-77
07074665	Maple Ditch near Swifton	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman	Chem.	1976-77
07074700	Village Creek near Newport	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta	Temp.	1967-71
07074850	White River near Augusta	Chem.	1954,79
07075000	Middle Fork of Little Red River at Shirley	Chem.	1954,79
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, 1992-98
07077600	Cache River at Brasfield	Chem.	1974-83

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-DISCHARGE STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi ²)	Period of record
WHITE RIVER BASIN--CONTINUED			
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
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

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-DISCHARGE STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi ²)	Period of record
ARKANSAS RIVER BASIN--CONTINUED			
07264500	Bayou Meto near Stuttgart	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton	Chem.	1963
RED RIVER BASIN			
07339500	Rolling Fork near DeQueen	Temp.	1976-79
07339850	Rolling Fork near Horatio	Chem.	1974-83
07340500	Cossatot River near DeQueen	Temp.	1976-79
07340520	Cossatot River near Lockesburg	Chem.	1974-83
07341000	Saline River near Dierks	Temp.	1975-79
07341280	Millwood Lake on Mine Creek near Okay	Chem.	1983-93
07341500	Red River at Fulton	Chem., Temp.	1946-47, 1952-61, 1978-79
07342000	Red River at Garland	Chem.	1976
07344290	Days Creek south of Texarkana	Chem.	1973-74
07344340	Sulphur River near Fort Lynn	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor	Chem.	1952, 1973-74
07349453	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

WATER RESOURCES DATA FOR ARKANSAS, 2005

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

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

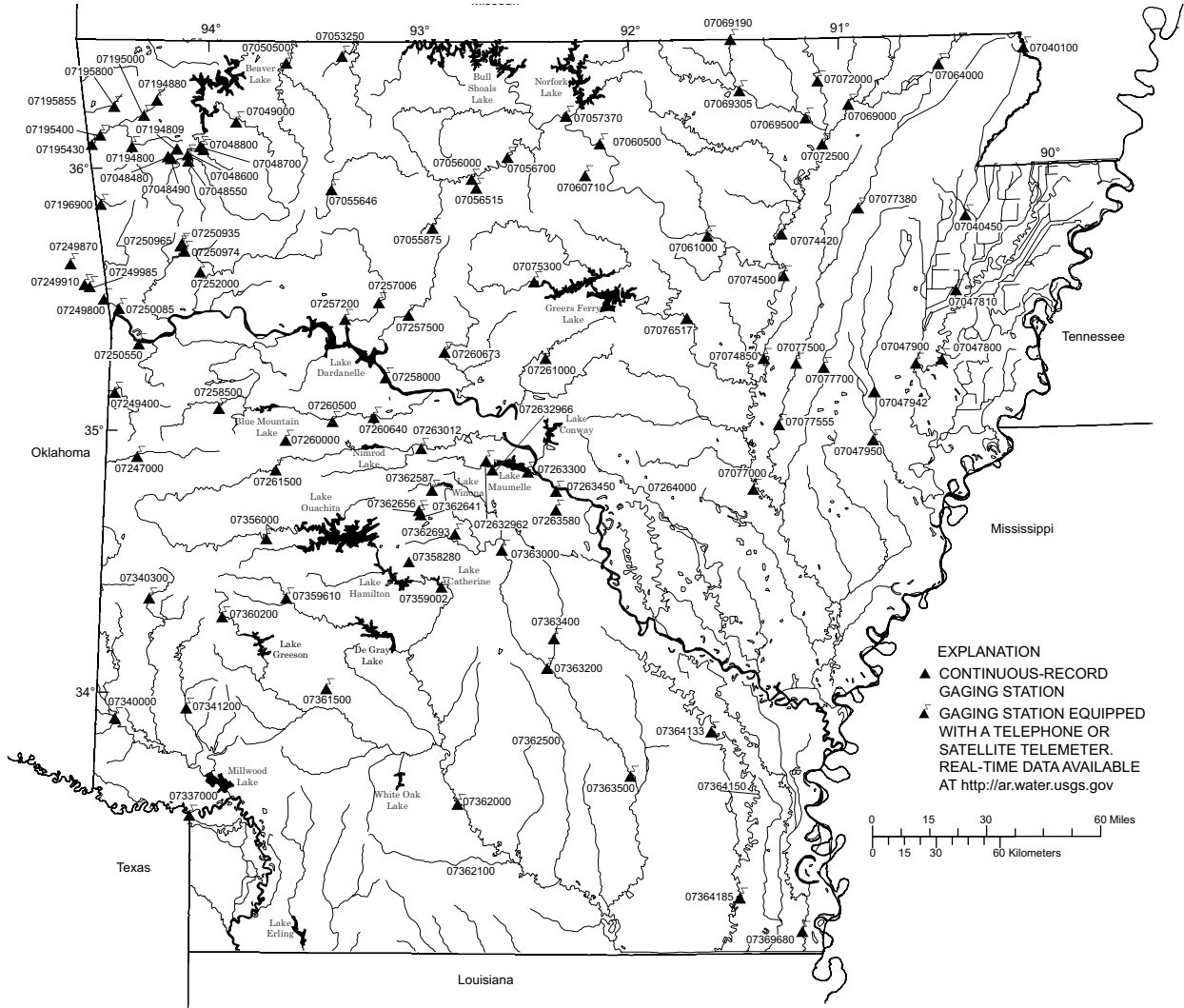


Figure 2.--Locations of continuous-record gaging stations in Arkansas.

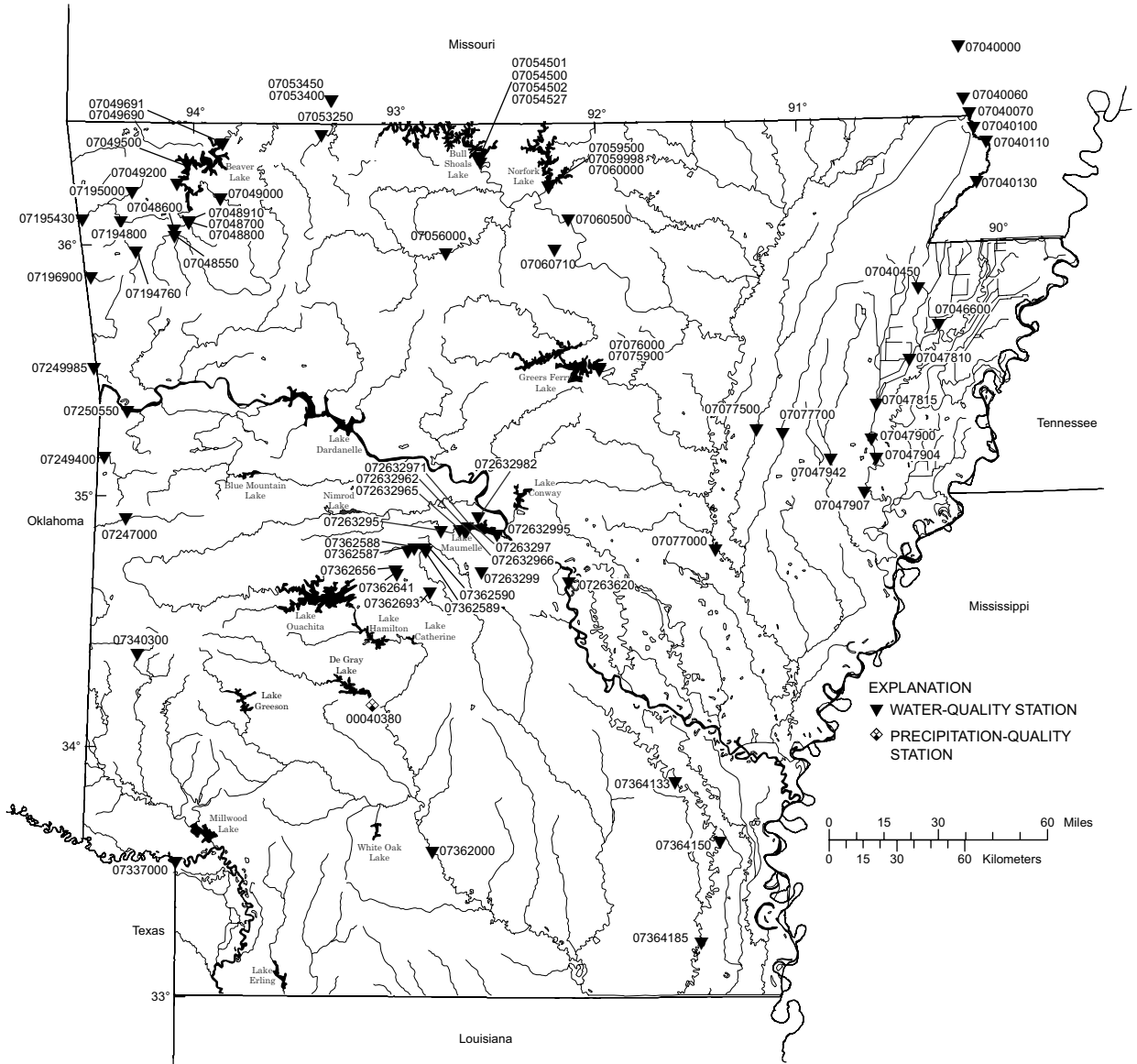


Figure 3.--Locations of water-quality stations in Arkansas.

Surface-water and water-quality records

ST. FRANCIS RIVER BASIN

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07040000 ST. FRANCIS RIVER AT FISK, MISSOURI

LOCATION.--Lat 36°47'25", long 90°12'05", in NE1/4NW1/4 sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Missouri.

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 NGVD of 1929. On April 16, 2004, the gage was moved approximately 0.8 mi upstream to present location at Hwy 60 bridge.

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.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	1120	3170	1070	1750	1060	2620	879	345	e158	192	230
2	e73	1210	3340	1030	1590	1050	2550	784	344	e104	191	227
3	e73	1160	3420	1090	1550	1050	2270	504	341	e43	185	312
4	e72	1190	3580	1120	1460	1040	1950	297	341	e40	182	318
5	e72	1370	3620	1440	1430	1030	1830	202	339	e40	182	315
6	e71	1420	3660	2620	1410	956	1430	165	336	e47	188	245
7	e71	1420	3740	3980	1430	930	1300	138	333	e37	193	201
8	e70	1410	3680	5000	1430	858	1140	126	259	e37	190	197
9	e70	1390	3670	5430	1410	829	1070	123	222	e36	143	197
10	e69	1300	3670	5380	1400	758	909	121	211	e35	e85	148
11	e69	1220	3660	4990	1390	694	801	117	212	e127	e74	84
12	e68	1220	3630	4790	1390	620	807	167	210	e173	e74	80
13	e67	1250	3620	4870	1420	578	809	225	209	213	e74	82
14	e68	1500	3710	5180	1460	574	948	236	206	107	e75	84
15	77	1750	3760	5740	1600	571	1060	318	202	136	e75	94
16	139	1970	3730	6070	2000	e569	1090	433	199	282	e74	96
17	222	2150	3650	5920	2110	568	1090	466	197	334	e75	136
18	230	2160	3470	5570	2120	568	1090	413	194	331	e152	205
19	233	2160	3380	4980	2100	566	1080	370	191	403	275	212
20	346	2140	3300	4370	2080	565	1080	365	188	445	398	252
21	408	2130	3090	3870	2080	563	1090	362	186	447	435	277
22	380	2110	2890	3570	2040	571	1120	365	184	449	462	278
23	373	2020	2800	3470	1890	585	1040	365	183	449	455	316
24	375	1910	2610	3390	1730	581	986	363	181	444	445	340
25	371	1820	2540	e3200	1620	679	908	360	185	444	444	351
26	370	1830	2490	2940	1400	733	893	357	186	379	445	355
27	374	1910	2400	2670	1200	761	889	356	183	336	446	350
28	377	1930	2100	2350	1080	848	889	355	153	331	441	418
29	570	1970	1860	2070	---	1250	887	355	107	254	442	445
30	797	2540	1690	1980	---	1780	890	353	e89	199	443	447
31	1020	---	1390	1930	---	2530	---	349	---	192	427	---
TOTAL	7652	50680	97320	112080	45570	26315	36516	10389	6716	7052	7962	7292
MEAN	247	1689	3139	3615	1628	849	1217	335	224	227	257	243
MAX	1020	2540	3760	6070	2120	2530	2620	879	345	449	462	447
MIN	67	1120	1390	1030	1080	563	801	117	89	35	74	80
AC-FT	15180	100500	193000	222300	90390	52200	72430	20610	13320	13990	15790	14460

ST. FRANCIS RIVER BASIN

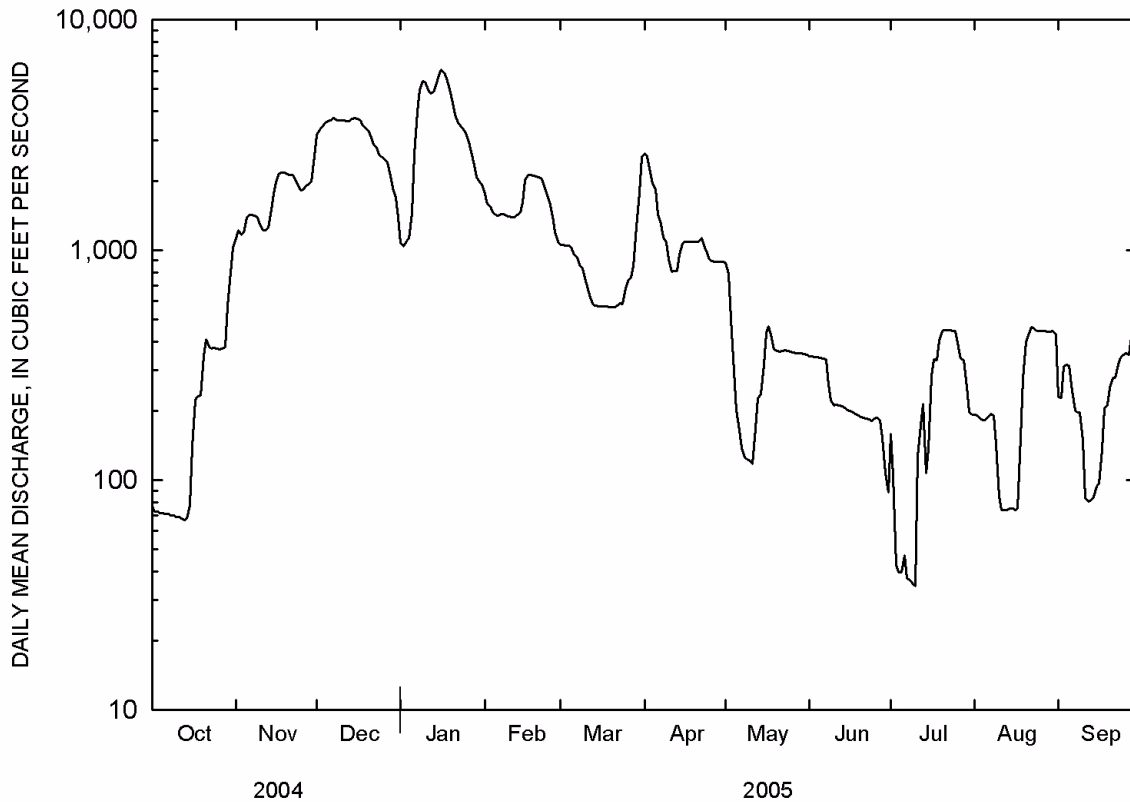
07040000 ST. FRANCIS RIVER AT FISK, MISSOURI--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928-41, 1998-05, BY WATER YEAR (WY)

MEAN	321	642	1466	2432	1953	2300	2406	2180	1536	539	407	274
MAX	1115	1689	3751	7905	4817	5506	5107	7332	8572	1780	2204	1018
(WY)	1937	2005	1928	1937	1999	1935	1999	2002	1928	1928	1998	2003
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928-41, 1998-05	
ANNUAL TOTAL	520137		415544			
ANNUAL MEAN	1421		1138		1369	
HIGHEST ANNUAL MEAN					2773 2002	
LOWEST ANNUAL MEAN					437 1941	
HIGHEST DAILY MEAN	4650	Mar 10	6070	Jan 16	36000	May 16 1933
LOWEST DAILY MEAN	67	Oct 13	35	Jul 10	8.0	Jul 25 1940
ANNUAL SEVEN-DAY MINIMUM	69	Oct 8	39	Jul 4	16	Jul 20 1940
MAXIMUM PEAK FLOW			6110	Jan 16	49900	Mar 13 1935
MAXIMUM PEAK STAGE			15.51	Jan 16	26.71	Mar 13 1935
INSTANTANEOUS LOW FLOW					5.0	Jul 26 1940
ANNUAL RUNOFF (AC-FT)	1032000		824200		991600	
10 PERCENT EXCEEDS	3630		3320		3570	
50 PERCENT EXCEEDS	1140		568		544	
90 PERCENT EXCEEDS	217		92		145	

Estimated



ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
OCT 2004													
13...	0750	80513	82913	67	.24	755	6.2	65	7.9	235	17.3	91	91
NOV													
02...	0750	80513	82913	1310	.09	760	9.8	106	7.7	214	18.8	96	96
DEC													
07...	0830	80513	82913	3960	.09	756	9.9	87	7.6	157	9.2	80	86
JAN 2005													
11...	0735	80513	82913	5010	.09	762	13.1	108	7.4	132	7.0	83	87
FEB													
07...	1620	80513	82913	1400	.15	764	8.9	72	7.0	109	6.6	97	97
MAR													
07...	1635	80513	82913	917	.18	750	8.0	74	7.3	196	11.0	94	94
APR													
04...	1505	80513	82913	2020	.18	762	7.8	76	8.3	176	14.0	85	89
MAY													
10...	0735	80513	82913	116	.18	762	8.7	97	7.7	234	20.5	99	99
JUN													
13...	1600	80513	82913	193	.24	758	8.0	103	7.8	227	28.3	99	99
JUL													
12...	1635	80513	82913	179	.24	758	8.1	98	8.0	188	24.8	98	98
AUG													
10...	0730	80513	82913	E90	.24	762	6.8	88	8.0	229	28.7	96	96
SEP													
12...	1535	80513	82913	72	.24	765	5.2	66	8.1	262	27.9	100	--

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
OCT 2004										
13...	100	--	73	13	4	5	73	99	100	--
NOV										
02...	96	100	120	423	6	9	81	98	100	--
DEC										
07...	98	100	76	810	19	76	98	98	98	100
JAN 2005										
11...	96	100	90	1220	3	4	84	97	98	100
FEB										
07...	98	100	41	155	1	3	70	100	--	--
MAR										
07...	94	100	51	126	13	61	98	100	--	--
APR										
04...	98	100	98	534	.0	.0	52	96	100	--
MAY										
10...	100	--	57	18	54	67	90	98	100	--
JUN										
13...	99	100	50	26	1	1	60	93	100	--
JUL										
12...	98	100	128	62	6	18	94	99	100	--
AUG										
10...	96	100	78	--	2	4	78	100	--	--
SEP										
12...	--	--	41	8.0	5	6	52	89	97	100

Remark codes used in this table:
E -- Estimated.

ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)
NOV 2004 02...	1000	80513	82913	7190	.09	18.0	87	91	100	--	797	15500	28
DEC 07...	1100	80513	82913	7130	.09	11.2	89	92	98	100	528	10200	17
JAN 2005 11...	1040	80513	82913	5440	.09	7.0	83	86	96	100	175	2570	1
FEB 08...	0835	80513	82913	2890	.09	6.2	91	93	98	100	223	1740	31
MAR 08...	0800	80513	82913	1060	.21	9.5	97	97	100	--	45	129	1
APR 05...	0740	80513	82913	1620	.18	14.3	91	94	98	100	92	402	.0
MAY 10...	0935	80513	82913	203	.18	20.6	98	98	100	--	55	30	8
JUN 14...	0815	80513	82913	280	.37	27.5	97	97	97	100	78	59	2

Date	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
NOV 2004 02...	53	88	99	100	--
DEC 07...	73	98	99	100	--
JAN 2005 11...	3	83	100	--	--
FEB 08...	60	98	100	--	--
MAR 08...	4	67	99	100	--
APR 05...	.0	78	100	--	--
MAY 10...	29	89	98	98	100
JUN 14...	2	18	83	96	100

ST. FRANCIS RIVER BASIN

07040070 WILHELMINA CUT-OFF 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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Temperature, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspnd. sediment, falldia dst wat percent <1 mm (70346)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV 2004 02...	1250	80513	82913	7810	.09	17.9	89	91	99	100	--	686	14500
DEC 07...	1315	80513	82913	8360	.09	12.5	85	88	98	100	--	497	11200
JAN 2005 10...	1645	80513	82913	5810	.09	7.0	94	96	99	100	--	218	3420
FEB 07...	1510	80513	82913	2840	.09	7.0	84	86	97	100	--	372	2850
MAR 07...	1510	80513	82913	1270	.18	12.1	76	76	92	97	100	78	267
APR 04...	1340	80513	82913	1980	.15	14.9	82	86	95	100	--	101	540
MAY 10...	1135	80513	82913	227	.21	20.9	99	99	100	--	--	50	31
JUN 13...	1400	80513	82913	433	.18	28.5	100	--	--	--	--	100	117

Date	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
NOV 2004 02...	.0	.0	12	80	95	100
DEC 07...	.0	.0	56	99	100	--
JAN 2005 10...	1	3	77	99	100	--
FEB 07...	2	22	87	100	--	--
MAR 07...	52	89	100	--	--	--
APR 04...	34	72	99	100	--	--
MAY 10...	1	1	78	99	100	--
JUN 13...	1	1	49	77	100	--

ST. FRANCIS RIVER BASIN

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.--April 1930 to September 1977, October 1985 to September 1987, and October 1997 to current year. 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 NGVD of 1929. Prior to Apr. 1, 1946, nonrecording gage.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e165	1390	4840	2110	2270	1410	3040	1070	419	292	221	541
2	e160	4880	4190	3270	2130	1380	2920	1020	419	238	207	305
3	e153	3880	3700	3920	2000	1480	2740	915	422	177	210	241
4	e145	1930	3580	4430	1930	1470	2400	607	415	174	214	297
5	e136	1520	3640	4350	1820	1490	2130	398	415	174	207	291
6	e127	1520	4430	6370	1790	1420	1930	309	412	180	200	285
7	e121	1500	5830	7060	2350	1280	1740	285	555	171	226	221
8	e113	1480	6240	5990	3140	1190	1940	270	439	170	379	185
9	e108	1450	4910	5850	2250	1110	1440	261	446	169	344	183
10	e103	1410	4250	5830	1970	1050	1280	259	389	169	219	175
11	e99	1470	3910	5710	1860	956	1190	255	390	260	154	141
12	e96	3740	3750	5390	1820	855	1890	245	539	2780	142	125
13	e95	2360	3680	6940	2310	727	1600	263	391	4950	140	123
14	e96	1580	3650	10100	3070	652	1270	332	267	3280	138	124
15	e97	1700	3690	8890	2390	634	1280	426	230	1280	137	261
16	e106	1880	3710	7870	2350	624	1320	486	222	682	159	1220
17	e167	2050	3690	7340	2610	640	1320	586	249	758	359	371
18	e247	2190	3600	6880	2640	650	1300	605	251	591	231	176
19	432	2940	3460	6240	2630	608	1290	526	246	454	182	216
20	281	2670	3380	5530	2590	592	1280	482	238	531	289	251
21	375	2310	3290	4920	2740	588	1300	495	241	578	435	227
22	459	2240	3380	4450	2960	605	1430	464	265	519	728	232
23	452	2340	3170	4080	2580	695	1470	468	267	502	1330	229
24	440	2750	e3010	3920	2330	869	1230	466	256	499	775	261
25	427	2420	e2860	3800	2140	774	1130	438	250	491	664	542
26	428	2020	e2700	3590	1980	886	1060	431	253	480	575	1620
27	446	2510	2650	3340	1740	1230	1050	439	233	413	1050	757
28	506	3510	2500	3070	1560	2850	1060	434	227	356	883	450
29	529	2530	2480	2720	---	2050	1070	434	241	357	616	473
30	790	4030	3690	2450	---	1850	1160	426	222	305	580	476
31	1010	---	3310	2370	---	2450	---	414	---	245	634	---
TOTAL	8909	70200	115170	158780	63950	35065	47260	14509	9809	22225	12628	10999
MEAN	287	2340	3715	5122	2284	1131	1575	468	327	717	407	367
MAX	1010	4880	6240	10100	3140	2850	3040	1070	555	4950	1330	1620
MIN	95	1390	2480	2110	1560	588	1050	245	222	169	137	123
AC-FT	17670	139200	228400	314900	126800	69550	93740	28780	19460	44080	25050	21820

ST. FRANCIS RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930-77, 1986-87, 1998-05, BY WATER YEAR (WY)

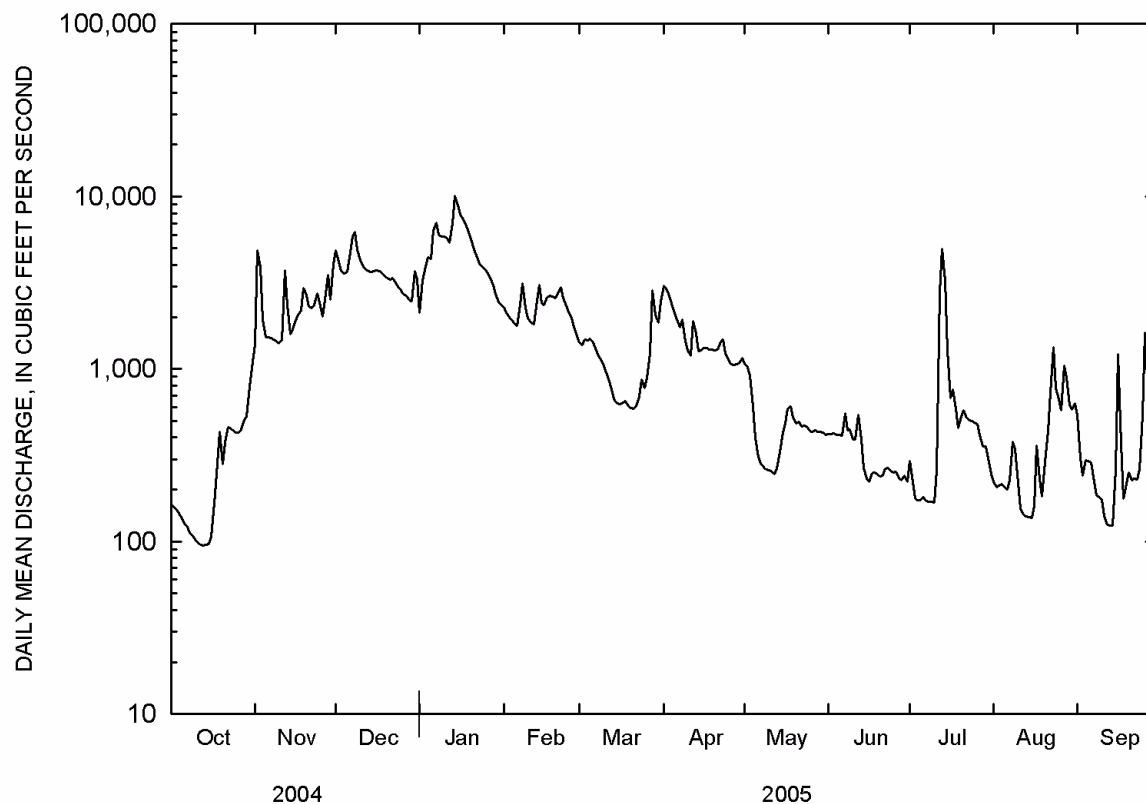
MEAN	552	1177	2185	3275	3268	3715	3900	3351	1981	1021	567	496
MAX	3754	5428	9014	13660	12300	9556	14680	11680	9294	6467	4514	1929
(WY)	1950	1973	1974	1950	1949	1935	1945	1945	1957	1945	1945	1951
MIN	91.5	77.7	221	306	344	384	473	308	211	194	121	95.9
(WY)	1957	1954	1990	1956	1963	1941	1941	1987	1936	1964	1965	1955

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1930-77, 1986-87 1998-05

ANNUAL TOTAL	689551	569504	
ANNUAL MEAN	1884	1560	2117
HIGHEST ANNUAL MEAN			4886 1973
LOWEST ANNUAL MEAN			548 1941
HIGHEST DAILY MEAN	7060 Mar 10	10100 Jan 14	37900 Mar 16 1935
LOWEST DAILY MEAN	95 Oct 13	95 Oct 13	55 Sep 20 1954
ANNUAL SEVEN-DAY MINIMUM	99 Oct 10	99 Oct 10	63 Nov 15 1953
MAXIMUM PEAK FLOW		10300 Jan 14	39200 Mar 15 1935
MAXIMUM PEAK STAGE		22.44 Jan 14	28.20 Mar 15 1935
INSTANTANEOUS LOW FLOW			¹ 55 Sep 20 1954
ANNUAL RUNOFF (AC-FT)	1368000	1130000	1534000
10 PERCENT EXCEEDS	4160	3740	5510
50 PERCENT EXCEEDS	1560	790	920
90 PERCENT EXCEEDS	254	179	190

¹Minimum instantaneous low flow for the period 1978-97, 48 ft³/s

^eEstimated



ST. FRANCIS RIVER BASIN
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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
OCT 2004													
13...	1005	80513	82913	94	.27	757	8.4	86	8.0	301	16.1	94	94
NOV													
01...	1615	80513	82913	1200	.09	760	7.9	86	7.5	229	19.4	91	94
DEC													
07...	1420	80513	82913	6360	.09	760	9.0	83	7.2	130	11.4	86	91
JAN 2005													
11...	1215	80513	82913	5390	.09	762	13.2	110	7.3	138	7.6	81	84
FEB													
08...	1030	80513	82913	3170	.09	760	9.2	78	7.1	124	8.0	96	98
MAR													
07...	1400	80513	82913	1170	.15	753	8.1	76	7.4	193	12.2	49	56
APR													
05...	0850	80513	82913	1950	.21	760	7.6	75	8.1	173	14.6	45	50
MAY													
09...	1420	80513	82913	261	.18	763	8.2	96	8.0	262	23.4	96	96
JUN													
14...	0920	80513	82913	288	.24	760	6.8	87	7.9	261	28.0	98	98
JUL													
12...	1425	80513	82913	2820	.12	758	7.8	94	7.3	225	24.6	92	95
AUG													
09...	1405	80513	82913	323	.18	764	7.8	101	8.2	256	29.1	100	--
SEP													
12...	1320	80513	82913	134	.24	765	7.0	89	8.7	326	28.1	100	--

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspnd. sediment, falldia dst wat percent <1 mm (70346)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)
OCT 2004										
13...	100	--	--	70	18	10	26	93	100	--
NOV										
01...	99	100	--	209	676	.0	1	84	99	100
DEC										
07...	99	100	--	481	8260	.0	.0	63	99	100
JAN 2005										
11...	99	100	--	170	2480	1	3	74	99	100
FEB										
08...	99	100	--	347	2970	.0	.0	75	99	100
MAR										
07...	75	97	100	119	376	12	43	98	100	--
APR										
05...	97	97	100	221	1160	.0	.0	79	98	100
MAY										
09...	100	--	--	59	42	1	2	84	100	--
JUN										
14...	100	--	--	97	75	2	4	83	100	--
JUL										
12...	99	100	--	--	--	6	21	95	98	100
AUG										
09...	--	--	--	123	107	12	21	79	99	100
SEP										
12...	--	--	--	57	21	4	8	81	100	--

ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment charge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)
OCT 2004													
12...	1440	80513	82913	128	.21	18.2	96	96	100	--	87	30	3
NOV 01...	1415	80513	82913	900	.09	19.4	96	98	100	--	152	370	3
DEC 06...	1545	80513	82913	4560	.09	8.8	85	89	99	100	295	3640	26
06...	1625	80513	82913	282	.09	8.8	89	89	95	100	75	57	72
JAN 2005													
10...	1500	80513	82913	4880	.09	7.0	90	93	99	100	239	3150	.0
10...	1535	80513	82913	1160	.12	7.3	99	99	99	100	84	263	51
FEB 07...	1350	80513	82913	1860	.09	6.7	88	92	96	100	94	472	.0
MAR 07...	1305	80513	82913	1260	.12	12.2	91	91	100	--	57	194	13
APR 04...	1220	80513	82913	2500	.15	14.9	86	90	98	100	135	911	.0
MAY 09...	1250	80513	82913	322	.15	21.7	94	94	100	--	80	70	.0
JUN 13...	1120	80513	82913	474	.12	28.1	98	98	98	100	191	244	1
JUL 12...	1320	80513	82913	2190	.18	24.2	91	94	100	--	--	--	4
AUG 09...	1250	80513	82913	484	.24	29.8	100	--	--	--	105	137	1
SEP 12...	1210	80513	82913	157	.24	27.1	100	--	--	--	63	27	1

Date	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)	Sample source, code (72005)
OCT 2004						
12...	4	60	98	98	100	--
NOV 01...	16	95	99	100	--	--
DEC 06...	59	97	98	100	--	67.00
06...	94	99	100	--	--	68.00
JAN 2005						
10...	.0	87	99	100	--	67.00
10...	76	98	98	98	100	68.00
FEB 07...	.0	65	91	96	100	--
MAR 07...	62	98	99	100	--	--
APR 04...	.0	55	98	100	--	--
MAY 09...	.0	73	99	100	--	--
JUN 13...	1	62	95	100	--	--
JUL 12...	22	95	98	98	100	--
AUG 09...	1	57	97	100	--	--
SEP 12...	2	57	93	97	100	--

ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Temperature, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, dry svd percent <2 mm (80169)
OCT 2004 12...	1250	80513	82913	111	.24	18.4	96	96	96	100	82	25	--
NOV 01...	1305	80513	82913	1090	.09	19.4	100	--	--	--	153	451	--
DEC 06...	1215	80513	82913	4380	.09	8.8	74	79	97	100	211	2500	--
DEC 06...	1255	80513	82913	234	.09	8.9	94	94	94	100	42	27	--
JAN 2005 10...	1315	80513	82913	4330	.09	7.0	68	76	98	100	329	3850	--
JAN 2005 10...	1400	80513	82913	1960	.12	7.4	92	92	92	100	59	312	98
FEB 07...	1245	80513	82913	1830	.09	6.7	94	94	97	100	66	326	--
MAR 07...	1210	80513	82913	1380	.12	12.2	100	--	--	--	57	212	--
APR 04...	1100	80513	82913	2530	.12	14.9	91	94	98	100	154	1050	--
MAY 09...	1120	80513	82913	256	.15	21.7	96	96	96	100	69	48	--
JUN 13...	1245	80513	82913	622	.12	28.5	98	98	98	100	86	144	--
JUL 12...	1155	80513	82913	833	.18	24.2	100	--	--	--	185	416	--
AUG 09...	1105	80513	82913	437	.24	29.7	100	--	--	--	91	107	--
SEP 12...	1110	80513	82913	164	.21	27.1	100	--	--	--	66	29	--

Date	Bed sediment, dry svd percent <4 mm (80170)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Sample source, code (72005)
OCT 2004 12...	--	4	4	42	99	100	--
NOV 01...	--	29	39	90	99	100	--
DEC 06...	--	.0	2	69	99	100	67.00
DEC 06...	--	.0	2	66	99	100	68.00
JAN 2005 10...	--	8	15	89	99	100	67.00
JAN 2005 10...	100	6	17	65	90	97	68.00
FEB 07...	--	25	44	90	100	--	--
MAR 07...	--	13	55	98	100	--	--
APR 04...	--	21	44	91	99	100	--
MAY 09...	--	3	6	60	99	100	--
JUN 13...	--	.0	.0	74	99	100	--
JUL 12...	--	8	15	78	97	100	--
AUG 09...	--	10	25	83	99	100	--
SEP 12...	--	5	7	66	99	100	--

ST. FRANCIS RIVER BASIN

47

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.--January 1931 to September 1977, October 1997, October 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 the U.S. Army Corps of Engineers. Gage-height records 1916 to November 1997 and September 1999 to date in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 217.69 ft above NGVD of 1929. Prior to Sept. 1, 1948, non-recording gage at railroad bridge 0.1 mi downstream at present datum. Satellite telemeter at station.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Some regulation by Wappapello Lake (Missouri) 135 mi upstream since Apr. 1, 1941, capacity, 625,000 acre-feet.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	920	7030	3830	3350	2110	2300	1950	635	509	544	1030
2	135	3610	6500	4080	3030	1810	2080	1600	625	610	497	924
3	132	5900	5600	4380	2670	1670	1800	1450	619	530	445	796
4	128	5580	4720	5740	2360	1570	1760	1360	604	454	407	694
5	124	4910	4460	7390	2130	1490	1950	1300	579	862	376	588
6	119	4410	4960	9910	1900	1440	2440	1250	561	621	356	474
7	115	4030	6630	10400	2630	1420	3970	1190	547	390	356	407
8	112	3410	7870	9590	3630	1410	4480	1100	551	243	382	387
9	111	2480	7500	8020	3530	1430	3310	996	633	167	399	375
10	111	1740	6660	6950	3220	1430	2380	912	953	131	376	346
11	131	1580	5880	6590	2700	1400	2510	850	1120	230	373	307
12	411	1670	5600	6610	2540	1360	4390	804	1210	715	393	269
13	400	1710	5550	8420	2910	1320	3760	763	1200	806	373	242
14	262	1680	5320	10700	3360	1270	2700	731	1050	958	321	226
15	248	1610	4910	10100	2960	1230	1850	714	864	1070	265	223
16	237	1610	4490	8560	2510	1190	1610	690	730	1150	261	268
17	201	1730	4150	7330	2200	1150	1550	687	626	1320	253	289
18	177	1770	3950	7050	2200	1100	1470	707	537	1550	233	317
19	212	1820	3840	7290	2210	1060	1410	731	479	1710	218	441
20	317	1790	3750	7330	2100	1040	1370	765	450	1540	246	501
21	380	1790	3740	7120	2160	1030	1360	799	430	1300	281	440
22	410	1820	4670	6810	2380	1190	1340	803	406	1170	269	353
23	402	2270	e5350	6450	2690	1480	1320	787	400	1060	264	306
24	475	4460	e4650	6060	2740	1420	1310	765	400	948	305	289
25	510	4610	e4100	5630	2560	1270	1300	746	401	875	385	318
26	559	4080	e3750	5180	2470	1160	1310	725	404	792	493	476
27	643	4070	e3650	4740	2350	1730	1330	712	389	725	570	700
28	650	4130	e3500	4350	2310	4720	1330	698	360	688	623	764
29	726	4050	3510	4110	---	4870	1400	679	337	657	648	780
30	832	6240	3840	3880	---	3900	2280	657	339	630	925	813
31	845	---	3830	3640	---	2880	---	644	---	591	1050	---
TOTAL	10253	91480	153960	208240	73800	53550	63370	28565	18439	25002	12887	14343
MEAN	331	3049	4966	6717	2636	1727	2112	921	615	807	416	478
MAX	845	6240	7870	10700	3630	4870	4480	1950	1210	1710	1050	1030
MIN	111	920	3500	3640	1900	1030	1300	644	337	131	218	223
AC-FT	20340	181500	305400	413000	146400	106200	125700	56660	36570	49590	25560	28450

ST. FRANCIS RIVER BASIN

07040450 ST. FRANCIS RIVER AT LAKE CITY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-77, 1997, 2000-05, BY WATER YEAR (WY)

MEAN	723	1492	2642	4316	4588	5173	5429	4654	2773	1577	886	740
MAX	5125	9582	11100	18200	17270	10710	18160	14440	13370	7720	5303	2494
(WY)	1950	1958	2002	1950	1950	1975	1945	1973	1945	1957	1945	1965
MIN	111	114	227	496	553	836	831	634	202	187	109	126
(WY)	1954	1954	1954	1944	1977	1941	1941	2001	1932	1934	1936	1941

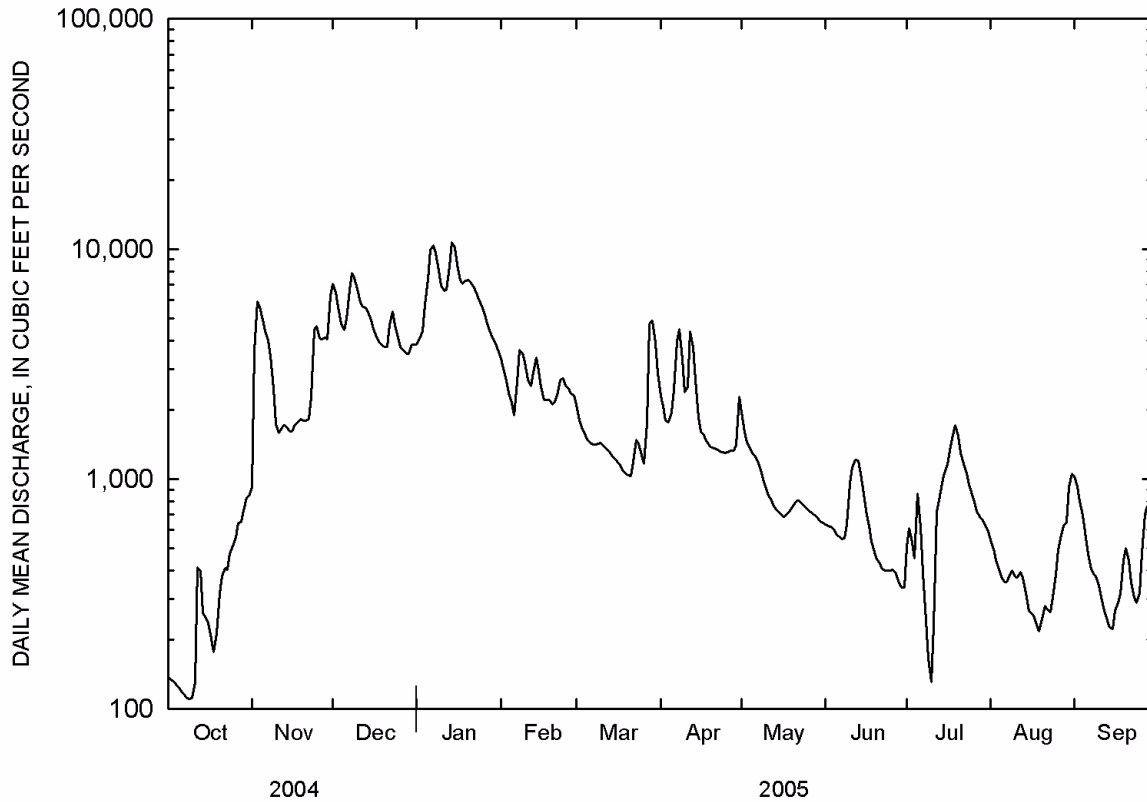
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931-77, 1997 2000-05	
ANNUAL TOTAL	944329		753889			
ANNUAL MEAN	2580		2065		2936	
HIGHEST ANNUAL MEAN					6937 1973	
LOWEST ANNUAL MEAN					782 1941	
HIGHEST DAILY MEAN	14000	Apr 25	10700	Jan 14	36700	Jan 22 1937
LOWEST DAILY MEAN	111	Oct 9	111	Oct 9	39	Oct 7 1999
ANNUAL SEVEN-DAY MINIMUM	117	Oct 4	117	Oct 4	41	Oct 2 1999
MAXIMUM PEAK FLOW			10800	Jan 14	¹ 36700	² Jan 22 1937
MAXIMUM PEAK STAGE			9.03	Jan 14	³ 13.30	² Jan 22 1937
INSTANTANEOUS LOW FLOW			110	Oct 9	37	Oct 8 1999
ANNUAL RUNOFF (AC-FT)	1873000		1495000		2127000	
10 PERCENT EXCEEDS	5250		5330		7530	
50 PERCENT EXCEEDS	2100		1230		1450	
90 PERCENT EXCEEDS	388		289		288	

¹Maximum discharge outside period of record, 42,700 ft³/s April 3, 1979

²Also January 23-24, 1937

³Maximum gage height outside period of record, 14.37 ft April 3, 1979

^eEstimated



ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Suspnd. sedi-ment, falldia dst wat percent <.063mm (70342)	Suspnd. sedi-ment, falldia dst wat percent <.125mm (70343)
OCT 2004													
13...	1640	80513	82913	353	.21	759	8.2	87	8.1	242	18.1	65	70
NOV													
03...	0845	80513	82913	2560	.09	766	8.2	86	7.2	115	17.8	93	96
03...	0940	80513	82913	4010	.09	766	7.9	83	7.1	120	17.9	97	97
DEC													
08...	0810	80513	82913	2500	.09	770	8.9	82	7.0	185	12.3	96	97
08...	0940	80513	82913	5380	.09	770	8.4	77	7.3	163	12.1	94	95
JAN 2005													
12...	0750	80513	82913	2210	.09	760	11.8	106	7.1	130	10.5	93	93
12...	0910	80513	82913	4810	.15	760	9.1	83	7.3	140	11.0	71	78
FEB													
08...	1520	80513	82913	1700	.09	768	9.9	85	7.2	169	9.2	98	99
08...	1615	80513	82913	2280	.18	768	8.7	75	7.2	172	9.0	81	83
MAR													
08...	1230	80513	82913	1310	.15	766	8.1	73	7.3	223	11.0	97	97
APR													
05...	1310	80513	82913	1800	.18	760	7.1	70	7.8	201	14.9	94	96
MAY													
10...	1505	80513	82913	882	.18	765	7.9	91	8.0	290	22.7	98	98
JUN													
14...	1320	80513	82913	1050	.21	763	7.2	92	7.4	235	28.3	99	99
JUL													
13...	1000	80513	82913	749	.21	765	7.8	95	7.5	188	25.4	98	98
AUG													
10...	1315	80513	82913	372	.21	765	7.2	94	8.1	373	29.5	100	--
SEP													
13...	1105	80513	82913	263	.21	764	6.5	80	7.9	250	26.2	100	--

Date	Suspnd. sedi-ment, falldia dst wat percent <.25mm (70344)	Suspnd. sedi-ment, falldia dst wat percent <.5 mm (70345)	Suspnd. sedi-ment, falldia dst wat percent <1 mm (70346)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Bed sedi-ment, dry svd sve dia <2 mm (80169)	Bed sedi-ment, dry svd sve dia <4 mm (80170)	Bed sedi-ment, falldia dst wat percent <.063mm (80158)	Bed sedi-ment, falldia dst wat percent <.125mm (80159)	Bed sedi-ment, falldia dst wat percent <.25mm (80160)	Bed sedi-ment, falldia dst wat percent <.5 mm (80161)	Bed sedi-ment, falldia dst wat percent <1 mm (80162)	Bed sedi-ment, falldia dst wat percent <2 mm (80163)
OCT 2004													
13...	96	98	100	201	192	--	--	2	5	63	95	98	100
NOV													
03...	98	100	--	145	1000	--	--	24	42	70	91	100	--
03...	97	100	--	126	1370	--	--	14	27	55	81	96	100
DEC													
08...	99	100	--	143	964	--	--	.0	2	80	100	--	--
08...	97	100	--	67	974	--	--	.0	2	55	94	100	--
JAN 2005													
12...	97	100	--	59	352	--	--	1	2	85	99	100	--
12...	88	100	--	74	966	--	--	.0	.0	59	96	100	--
FEB													
08...	99	100	--	159	730	--	--	.0	.0	81	99	100	--
08...	92	100	--	117	720	98	100	13	32	75	93	98	--
MAR													
08...	100	--	--	48	170	--	--	9	16	50	94	100	--
APR													
05...	97	100	--	84	408	--	--	12	48	97	100	--	--
MAY													
10...	100	--	--	98	233	--	--	10	26	87	99	100	--
JUN													
14...	99	100	--	143	405	--	--	1	1	18	86	97	100
JUL													
13...	98	100	--	171	346	--	--	23	33	67	96	100	--
AUG													
10...	--	--	--	68	68	--	--	1	1	30	95	100	--
SEP													
13...	--	--	--	81	58	--	--	8	14	64	97	99	100

Date Sample source, code (72005)

OCT 2004	
13...	--
NOV	
03...	67.00
03...	68.00
DEC	
08...	67.00
08...	68.00
JAN 2005	
12...	67.00
12...	68.00
FEB	
08...	67.00
08...	68.00
MAR	
08...	--
APR	
05...	--
MAY	
10...	--
JUN	
14...	--
JUL	
13...	--
AUG	
10...	--
SEP	
13...	--

ST. FRANCIS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
OCT 2004													
13...	1450	80513	82913	188	.18	760	8.9	96	8.3	534	18.8	84	96
NOV													
03...	0710	80513	82913	7060	.12	766	8.3	87	7.6	160	17.9	88	95
DEC													
08...	1120	80513	82913	7400	.09	770	8.4	78	7.3	166	12.5	88	91
JAN 2005													
11...	1645	80513	82913	11700	.09	764	12.8	107	7.3	146	7.6	81	83
FEB													
08...	1400	80513	82913	5800	.09	768	9.8	87	7.2	148	10.4	89	93
MAR													
08...	1045	80513	82913	2020	.18	767	8.5	80	7.3	365	12.8	99	99
APR													
05...	1120	80513	82913	2260	.09	760	8.0	79	7.7	264	14.6	98	98
MAY													
11...	0805	80513	82913	1360	.46	766	8.2	91	8.2	416	20.8	97	97
JUN													
14...	1245	80513	82913	3490	.18	763	6.6	85	7.2	283	28.5	94	94
JUL													
13...	0845	80513	82913	1600	.58	765	8.0	97	8.1	369	25.1	48	76
AUG													
09...	1205	80513	82913	391	.46	766	7.2	97	8.1	389	31.5	100	--
SEP													
13...	0920	80513	82913	223	.27	766	7.5	95	7.5	274	27.5	100	--

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
OCT 2004										
13...	100	--	178	90	25	44	92	99	100	--
NOV										
03...	100	--	892	17000	.0	.0	10	76	98	100
DEC										
08...	98	100	285	5690	.0	2	75	99	100	--
JAN 2005										
11...	95	100	116	3660	.0	2	86	100	--	--
FEB										
08...	98	100	207	3240	59	78	95	100	--	--
MAR										
08...	100	--	69	376	4	24	88	98	100	--
APR										
05...	100	--	142	867	10	56	99	100	--	--
MAY										
11...	100	--	76	279	14	47	90	99	100	--
JUN										
14...	96	100	252	2370	2	2	19	85	97	100
JUL										
13...	99	100	432	1870	11	53	92	99	100	--
AUG										
09...	--	--	72	76	10	28	87	98	100	--
SEP										
13...	--	--	62	37	12	12	18	73	97	100

ST. FRANCIS RIVER BASIN

51

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 mi².

PERIOD OF RECORD.--January 1930 to September 1982, October 1985 to September 1994, October 1997 to current year. 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 NGVD of 1929. 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.--Water-discharge records good except estimated daily discharges, which are poor. There were no daily values for July 16, 2003 to January 14, 2004 while station was inoperative due to new bridge construction. 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.

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 2004 TO SEPTEMBER 2005

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	1960	7940	3910	685	1520	6450	4320	1310	1320	912	3040
2	96	6240	9130	3210	660	1290	4200	4120	1310	1130	919	2960
3	93	8820	8690	3280	626	970	2390	2950	1340	1060	906	2600
4	90	9470	6970	3720	628	722	1550	2200	1380	1030	841	2030
5	87	8180	4640	3750	685	592	1750	1850	1390	1310	825	1530
6	85	7130	3160	4190	635	530	2160	1690	1360	1820	851	1220
7	83	5640	4230	5400	1010	512	3390	1600	1320	2700	849	1070
8	82	3860	6000	6540	3730	508	5080	1530	1290	2230	835	980
9	84	2530	6180	6660	4980	500	5860	1530	1300	1540	831	894
10	93	1900	4840	5640	3930	622	5090	1520	1520	1150	835	827
11	110	1800	2960	3880	2290	711	4210	1510	2140	1330	835	795
12	117	1970	1700	2390	1350	1250	6970	1500	2710	3090	830	750
13	112	1900	1130	3790	1230	1490	8450	1480	2520	3510	812	514
14	111	1690	867	7150	1960	1500	8040	1450	2010	3040	790	223
15	104	1520	733	8090	2280	1500	6370	1470	1650	2520	781	146
16	93	1430	631	7190	1630	1510	4510	1560	1490	2510	780	142
17	86	1390	541	5150	1070	1500	3150	1550	1400	3330	790	118
18	94	1340	503	3080	851	1480	2420	1470	1330	3160	812	114
19	184	1200	478	1830	740	1470	2020	1430	1320	2670	813	206
20	240	689	443	1310	705	1480	1810	1410	1310	2420	786	179
21	219	349	423	1080	1480	1480	1710	1410	1300	2130	746	146
22	145	239	1250	959	3670	2020	1800	1410	1290	1800	655	138
23	163	472	2990	e856	3460	3240	2060	1400	1290	1680	387	152
24	390	4430	2940	800	2480	3410	1740	1380	1310	1650	277	137
25	337	7200	e1810	755	1710	2740	1610	1360	1310	1550	274	165
26	218	7660	1230	703	1240	2050	1580	1340	1100	1470	276	439
27	145	6510	851	658	985	2230	1550	1330	1200	1380	330	1460
28	110	4500	657	633	1160	6330	1540	1310	1350	1170	861	2040
29	95	2820	819	622	---	8950	1590	1310	1380	1010	1190	1860
30	87	4700	2460	631	---	9490	2450	1310	1390	956	2160	1200
31	183	---	3930	659	---	8460	---	1310	---	908	2990	---
TOTAL	4234	109539	91126	98516	47860	72057	103500	53010	44320	58574	26779	28075
MEAN	137	3651	2940	3178	1709	2324	3450	1710	1477	1889	864	936
MAX	390	9470	9130	8090	4980	9490	8450	4320	2710	3510	2990	3040
MIN	82	239	423	622	626	500	1540	1310	1100	908	274	114
AC-FT	8400	217300	180700	195400	94930	142900	205300	105100	87910	116200	53120	55690

ST. FRANCIS RIVER BASIN

07047800 ST. FRANCIS RIVER AT PARKIN--CONTINUED

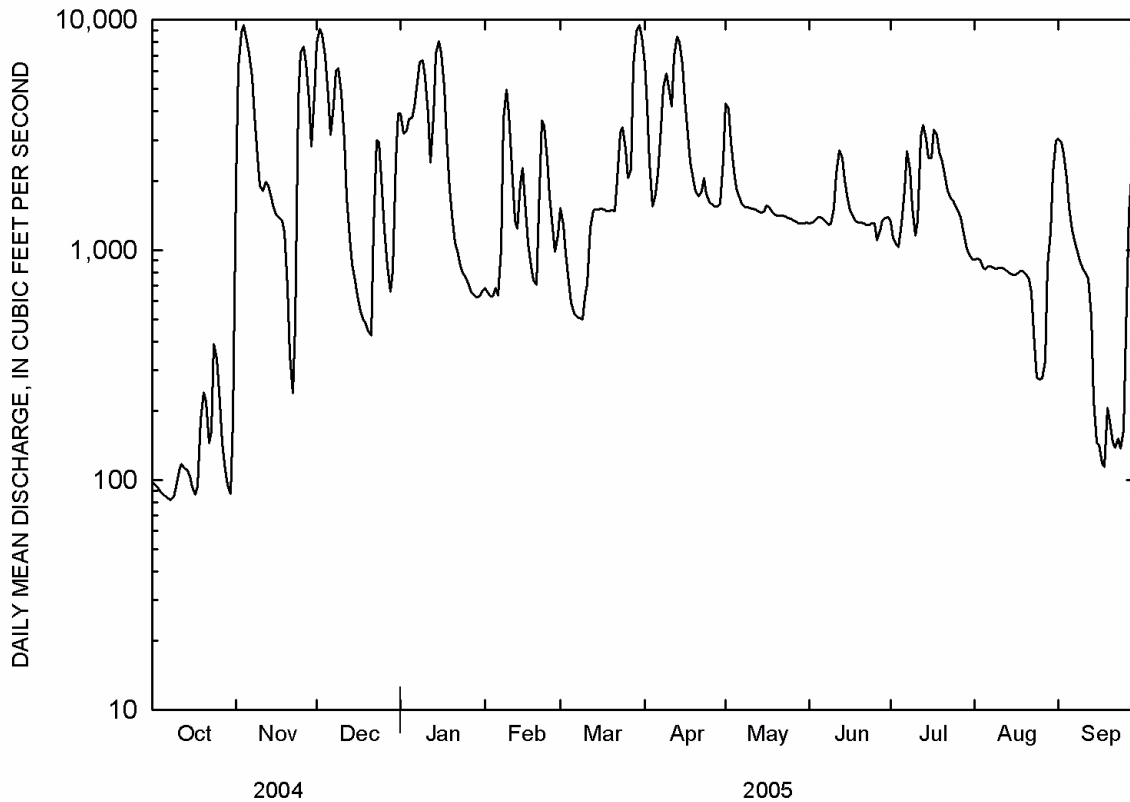
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930-82, 1986-94, 1998-05, BY WATER YEAR (WY)

MEAN	1150	1661	2394	3436	4264	3987	3974	3533	2676	2048	1520	1224
MAX	3898	6532	9082	17760	21810	13840	14360	12900	8172	4038	3998	3920
(WY)	1946	1958	2002	1930	1930	1930	1933	1933	1933	1945	1998	1950
MIN	137	97.3	201	197	382	928	1080	1054	685	879	376	83.7
(WY)	2005	2000	1990	2000	1964	1954	1954	1977	1977	1941	1990	2001

SUMMARY STATISTICS FOR 2005 WATER YEAR WATER YEARS 1930-82, 1986-94 1998-05

ANNUAL TOTAL	737590		
ANNUAL MEAN	2021		2611
HIGHEST ANNUAL MEAN			6511 1933
LOWEST ANNUAL MEAN			1145 1977
HIGHEST DAILY MEAN	9490	Mar 30	24400 Feb 7 1930
LOWEST DAILY MEAN	82	Oct 8	11 Oct 9 2001
ANNUAL SEVEN-DAY MINIMUM	86	Oct 3	16 Oct 4 2001
MAXIMUM PEAK FLOW	9630	Nov 4	25300 Jan 31 1930
MAXIMUM PEAK STAGE	19.06	Nov 4	34.20 Feb 4 1937
INSTANTANEOUS LOW FLOW	81	Oct 7-8	10 Oct 10 2001
ANNUAL RUNOFF (AC-FT)	1463000		1892000
10 PERCENT EXCEEDS	4900		5500
50 PERCENT EXCEEDS	1390		1880
90 PERCENT EXCEEDS	197		488

Estimated



ST. FRANCIS RIVER BASIN

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)
NOV 2004													
04...	0735	80513	82913	6860	.09	17.8	95	97	98	100	561	10400	.0
DEC													
08...	1520	80513	82913	11700	.09	12.6	87	91	99	100	120	3800	.0
JAN 2005													
12...	1255	80513	82913	17600	.09	10.3	72	76	94	100	109	5180	1
FEB													
09...	0905	80513	82913	8160	.09	9.7	90	93	96	100	174	3830	6
MAR													
08...	1545	80513	82913	4320	.15	11.1	90	93	95	100	68	793	2
APR													
05...	1520	80513	82913	6680	.15	14.9	95	96	99	100	141	2540	3
MAY													
11...	1005	80513	82913	2000	.21	20.9	97	97	98	100	75	405	.0
JUN													
15...	0745	80513	82913	3700	.18	26.9	96	97	99	100	209	2090	.0

Date	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
NOV 2004					
04...	.0	19	90	99	100
DEC					
08...	.0	69	99	100	--
JAN 2005					
12...	2	87	99	100	--
FEB					
09...	38	89	93	100	--
MAR					
08...	13	88	100	--	--
APR					
05...	16	91	100	--	--
MAY					
11...	1	10	87	100	--
JUN					
15...	1	19	94	100	--

ST. FRANCIS RIVER BASIN

55

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1935 to September 1982, October 1984 to August 1992, December 1992 to September 1994, and October 1997 to current year. January 1935 to date in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 171.25 ft above NGVD of 1929. 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 NGVD of 1929 was used as auxiliary gage for this station October 1, 1997 to September 30, 2000.

REMARKS.--Water-discharge records good, 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	398	1700	14400	7970	12300	6290	9270	5500	918	355	820	2240
2	312	4100	12800	9530	11400	6320	9190	5430	967	652	940	2110
3	309	e6350	11700	10400	10400	6200	9220	6170	939	840	1010	1220
4	418	e8200	12100	12000	9270	5870	9170	5700	1060	778	609	1130
5	556	8370	12600	12300	8170	5120	8070	3920	964	1380	458	974
6	592	8400	13000	13400	7390	4780	6380	3690	885	1610	407	665
7	434	8570	14100	14800	7620	4730	7460	3070	820	1040	420	437
8	681	7870	14700	16200	9290	4430	7420	2710	933	710	377	353
9	652	6180	13300	17000	8570	4630	7020	2620	948	515	341	250
10	378	5050	13100	17600	9180	4580	7380	2470	2720	297	292	154
11	458	4250	13700	18300	9610	3340	8420	2320	4080	577	292	146
12	772	4000	14200	18900	9530	3340	9530	2030	3120	1770	284	124
13	1070	3870	14500	20900	9270	3350	9440	1860	3120	2000	276	211
14	655	3460	14200	22700	8950	e3030	9090	1660	3420	2090	258	536
15	542	3660	13500	22400	8390	e3180	8610	1770	3750	2760	226	840
16	823	4120	12600	22000	8400	2910	8200	1870	3670	2770	201	743
17	774	3770	11800	21900	8490	2890	7260	1980	2690	2750	188	721
18	654	2770	10900	22000	8340	2690	5640	2130	1740	2700	182	1100
19	1020	3060	9580	22100	7850	2360	4430	2040	1110	2670	171	1300
20	1120	3140	8750	22100	7270	2500	4020	1780	1030	2660	150	1020
21	895	4110	8040	21800	6840	2360	3870	1790	852	2590	140	756
22	529	5310	8440	21300	6760	2940	3410	1970	740	2610	132	859
23	758	5810	9180	20400	6950	4820	3130	1860	625	2550	269	1090
24	1100	8620	8570	19200	7280	3910	2880	1760	567	2050	681	1500
25	1020	8770	8180	18000	7260	3390	3120	1580	554	1620	967	1870
26	1000	7090	7910	16900	7090	2990	3280	1150	580	1380	1290	1980
27	1010	8070	7640	15900	6870	4360	3080	911	544	980	1780	2170
28	974	9360	7380	15100	6630	9080	3270	895	472	1060	2160	2440
29	1340	9150	7320	14500	---	9170	3620	919	418	1140	1900	2130
30	1660	12600	7510	13800	---	9150	5360	923	354	1230	2880	2110
31	1480	---	7390	13100	---	9250	---	952	---	895	2690	---
TOTAL	24384	179780	343090	534500	235370	143960	190240	75430	44590	49029	22791	33179
MEAN	787	5993	11070	17240	8406	4644	6341	2433	1486	1582	735	1106
MAX	1660	12600	14700	22700	12300	9250	9530	6170	4080	2770	2880	2440
MIN	309	1700	7320	7970	6630	2360	2880	895	354	297	132	124
AC-FT	48370	356600	680500	1060000	466900	285500	377300	149600	88440	97250	45210	65810

ST. FRANCIS RIVER BASIN

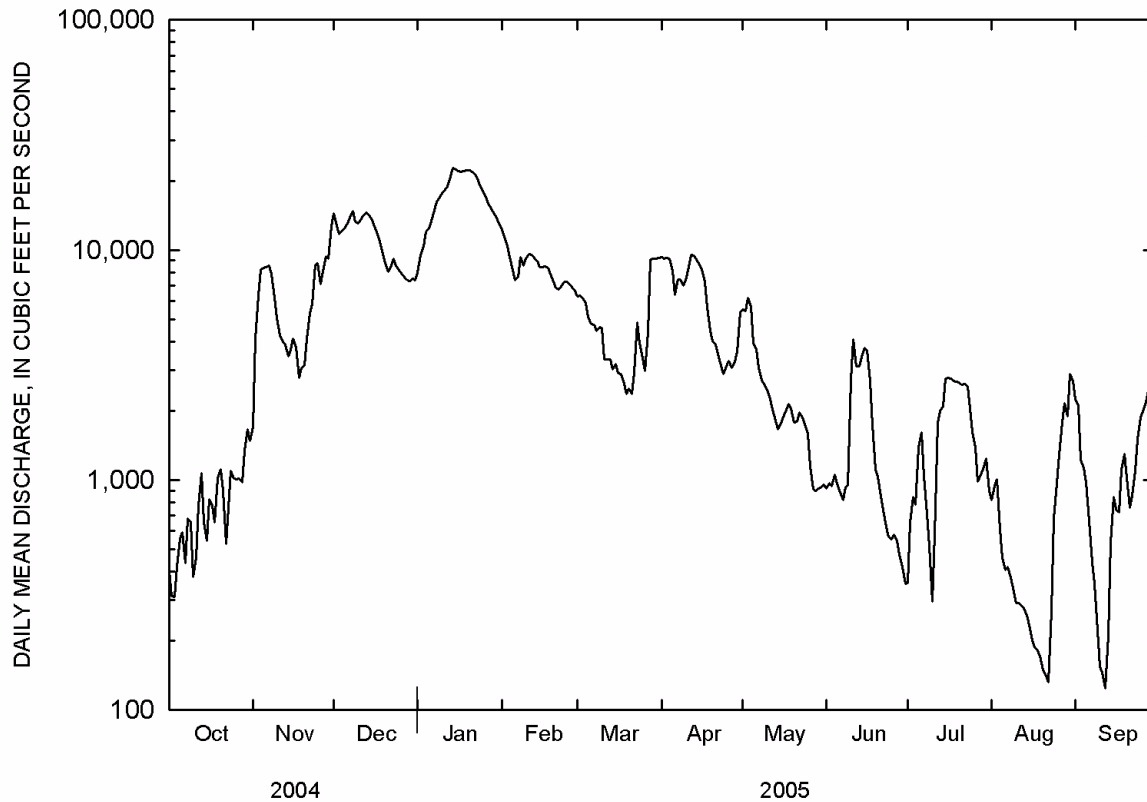
07047900 ST. FRANCIS BAY AT RIVERFRONT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-82, 1985-94, 1998-05, BY WATER YEAR (WY)

MEAN	1163	2257	5571	7949	9450	10040	10230	8455	5137	2667	1517	1072
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1935-82, 1985-94, 1998-05	
ANNUAL TOTAL	1832560		1876343			
ANNUAL MEAN	5007		5141		5452	
HIGHEST ANNUAL MEAN					13580 1973	
LOWEST ANNUAL MEAN					344 1941	
HIGHEST DAILY MEAN	15700	Apr 28	22700	Jan 14	53000	Apr 8 1979
LOWEST DAILY MEAN	90	Sep 26	124	Sep 12	0.00	Nov 17 1941
ANNUAL SEVEN-DAY MINIMUM	103	Sep 21	166	Aug 16	0.00	Nov 17 1941
MAXIMUM PEAK FLOW			22800	Jan 14	¹ 54700	Apr 8 1979
MAXIMUM PEAK STAGE			28.45	Jan 14	39.03	May 3 1973
INSTANTANEOUS LOW FLOW			120	Sep 12-13	0.00	Nov 17 1941
ANNUAL RUNOFF (AC-FT)	3635000		3722000		3949000	
10 PERCENT EXCEEDS	11400		13000		14800	
50 PERCENT EXCEEDS	3870		3030		2670	
90 PERCENT EXCEEDS	558		458		230	

¹Backwater from Mississippi River
^eEstimated



ST. FRANCIS RIVER BASIN

07047900 ST. FRANCIS BAY AT RIVERFRONT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
OCT 2004 14...	0845	80513	82913	661	.15	760	7.2	75	7.8	291	17.2	97	97
NOV 04...	0940	80513	82913	10000	.09	767	7.3	74	7.4	160	16.6	94	96
DEC 14...	1320	80513	82913	14300	.09	771	8.2	68	7.3	146	7.8	85	87
JAN 2005 12...	1520	80513	82913	18500	.09	760	11.1	101	7.3	150	10.9	82	87
FEB 09...	1105	80513	82913	8950	.09	768	9.8	85	7.3	199	9.8	91	94
MAR 09...	0825	80513	82913	4660	.18	766	7.8	72	7.1	315	11.8	77	82
APR 06...	0755	80513	82913	6440	.12	760	7.2	70	7.8	230	14.1	97	99
MAY 11...	1140	80513	82913	2120	.15	768	8.2	92	8.3	336	21.5	98	98
JUN 15...	0905	80513	82913	3860	.15	765	8.0	101	7.8	230	27.5	95	95
JUL 13...	1250	80513	82913	1950	.24	765	7.9	97	8.1	300	26.2	99	99
AUG 10...	1520	80513	82913	291	.24	765	6.8	91	8.4	478	30.5	100	--
SEP 13...	1355	80513	82913	227	.49	764	7.0	89	7.7	290	27.9	94	94

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
OCT 2004 14...	97	100	80	143	.0	.0	17	87	100	--
NOV 04...	100	--	452	12200	.0	.0	7	87	99	100
DEC 14...	93	100	88	3380	8	9	29	90	100	--
JAN 2005 12...	98	100	100	5000	1	1	51	100	--	--
FEB 09...	99	100	177	4280	6	45	98	98	100	--
MAR 09...	97	100	101	1270	1	8	85	100	--	--
APR 06...	100	--	136	2360	3	14	86	100	--	--
MAY 11...	100	--	76	435	14	59	99	100	--	--
JUN 15...	97	100	179	1870	.0	.0	13	94	100	--
JUL 13...	99	100	130	684	7	45	97	99	100	--
AUG 10...	--	--	68	53	.0	.0	44	95	100	--
SEP 13...	97	100	60	37	1	1	46	96	100	--

ST. FRANCIS RIVER BASIN

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.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
NOV 2004 05...	0630	80513	82913	8700	.09	774	7.9	80	7.4	206	17.0	97	99
DEC 14...	1530	80513	82913	15600	.09	771	8.1	67	7.2	144	7.9	83	85
JAN 2005 13...	0920	80513	82913	24700	.06	760	9.9	88	7.3	140	10.1	97	98
FEB 09...	1410	80513	82913	10400	.09	769	9.1	79	7.6	210	9.7	96	97
MAR 09...	1020	80513	82913	5070	.18	764	7.8	72	7.3	310	11.7	93	98
APR 06...	0935	80513	82913	7720	.12	760	7.3	72	7.8	220	14.1	95	97
MAY 11...	1340	80513	82913	2510	.18	766	8.0	91	8.4	315	21.7	99	99
JUN 15...	1045	80513	82913	3280	.21	765	7.8	99	7.8	267	28.0	97	98

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, dry svd sve dia percent <2 mm (80169)	Bed sediment, dry svd sve dia percent <4 mm (80170)	Bed sediment, dry svd sve dia percent <8 mm (80171)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
NOV 2004 05...	100	--	336	7890	--	--	--	.0	1	84	99	100	--
DEC 14...	100	--	94	3980	86	95	100	8	26	42	57	81	--
JAN 2005 13...	99	100	318	21200	--	--	--	3	19	82	99	99	100
FEB 09...	99	100	177	4970	--	--	--	2	11	99	100	--	--
MAR 09...	98	100	78	1070	--	--	--	2	9	83	100	--	--
APR 06...	97	100	177	3690	--	--	--	3	20	100	--	--	--
MAY 11...	99	100	83	562	--	--	--	14	59	98	99	100	--
JUN 15...	99	100	175	1550	--	--	--	3	11	98	100	--	--

ST. FRANCIS RIVER BASIN

59

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)
OCT 2004													
14...	1125	80513	82913	951	.18	760	7.8	82	7.7	249	17.7	98	98
NOV													
04...	1350	80513	82913	7800	.09	769	6.2	64	7.2	180	17.6	96	99
DEC													
15...	0850	80513	82913	13300	.09	782	7.9	71	7.3	150	12.0	94	96
JAN 2005													
13...	1020	80513	82913	19400	.09	760	10.1	90	7.4	129	10.2	95	97
FEB													
09...	1545	80513	82913	9620	.12	770	8.1	69	7.4	192	9.0	92	93
MAR													
09...	1405	80513	82913	4700	.15	764	7.0	64	7.1	308	11.7	97	97
APR													
06...	1415	80513	82913	6970	.09	760	7.1	70	7.8	213	14.5	98	98
MAY													
11...	1510	80513	82913	2420	.21	766	7.8	88	7.9	325	21.7	99	99
JUN													
15...	1310	80513	82913	3640	.15	765	7.1	91	8.0	276	28.5	97	97
JUL													
13...	1430	80513	82913	2300	.18	765	7.7	96	8.0	259	26.5	100	--
AUG													
11...	0800	80513	82913	285	.24	766	5.7	74	7.9	460	29.4	100	--
SEP													
13...	1550	80513	82913	264	.24	763	5.4	69	7.7	281	28.2	98	98

Date	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, dry svd sve dia <2 mm (80169)	Bed sediment, dry svd sve dia <4 mm (80170)	Bed sediment, dry svd sve dia <8 mm (80171)	Bed sediment, falldia dst wat percent <.063mm (80158)	Bed sediment, falldia dst wat percent <.125mm (80159)	Bed sediment, falldia dst wat percent <.25mm (80160)	Bed sediment, falldia dst wat percent <.5 mm (80161)	Bed sediment, falldia dst wat percent <1 mm (80162)	Bed sediment, falldia dst wat percent <2 mm (80163)
OCT 2004													
14...	98	100	92	236	--	--	8	20	94	99	100	--	--
NOV													
04...	100	--	509	10700	--	--	31	62	92	99	100	--	--
DEC													
15...	98	100	74	2670	68	88	100	7	22	36	46	64	--
JAN 2005													
13...	98	100	90	4740	--	--	--	5	20	82	97	99	100
FEB													
09...	97	100	179	4650	--	--	--	6	42	96	100	--	--
MAR													
09...	97	100	78	990	--	--	--	3	15	94	100	--	--
APR													
06...	98	100	165	3110	--	--	--	3	25	99	100	--	--
MAY													
11...	99	100	91	595	--	--	--	14	41	90	99	100	--
JUN													
15...	100	--	176	1730	--	--	--	2	15	99	100	--	--
JUL													
13...	--	--	162	1010	--	--	--	7	41	96	98	100	--
AUG													
11...	--	--	70	54	--	--	--	.0	.0	36	96	100	--
SEP													
13...	100	--	81	58	--	--	--	2	2	40	96	100	--

ST. FRANCIS RIVER BASIN

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 NGVD of 1929. Auxiliary water-stage recorder 8.7 mi downstream.

REMARKS.--Water-discharge records good except estimated daily discharges and discharges below 50 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	593	2820	1070	e1140	866	1800	321	e47	e49	75	e820
2	e7.6	1350	2810	1170	e1030	802	1560	322	e42	e74	69	e930
3	e5.2	1290	2710	1230	e950	726	1380	340	e38	e84	62	e990
4	e4.0	1490	2440	1540	e875	637	1240	337	e40	80	53	e1020
5	e4.0	1730	2170	1650	e810	563	1160	322	e44	161	47	e995
6	e3.0	1710	2090	2080	e750	493	1140	308	e46	230	44	e935
7	e3.0	1520	2420	2360	e781	444	1300	298	e45	368	51	e880
8	e2.5	1300	2510	2820	e850	412	1190	290	e45	386	58	e840
9	e2.0	1170	2520	2710	e950	386	1070	282	e50	405	62	e815
10	e2.5	1090	2340	2600	e1150	396	1000	276	e86	375	63	e770
11	e23	1140	2060	2370	1270	378	1280	265	119	375	64	e730
12	e52	1180	1830	2200	1200	360	2100	e247	164	433	63	e650
13	e31	1100	1650	3410	1140	344	2060	e224	162	345	56	e590
14	e29	1070	1500	3660	1090	339	2090	e199	e149	307	58	505
15	e27	1040	1380	3440	1040	331	1850	e177	e128	281	58	461
16	29	978	1280	2960	1010	305	1500	e164	e107	266	52	444
17	25	906	1220	2480	969	274	e1250	e160	e86	262	44	395
18	158	844	1170	e2330	923	244	1140	e147	e65	261	39	355
19	878	803	1110	e2280	877	220	1060	e137	e51	298	40	314
20	625	719	1050	e2250	855	188	984	e127	e49	350	37	271
21	400	617	1000	e2200	899	163	913	e119	e47	366	38	222
22	370	524	1210	e2150	906	e413	856	e111	e42	343	53	193
23	381	622	1240	e2070	891	561	811	e101	e38	311	54	164
24	375	1820	1130	e2000	961	584	754	e93	e36	271	55	121
25	323	1860	1090	e1910	997	773	689	e86	e38	225	60	344
26	280	2120	1050	e1830	1010	839	608	e76	e37	185	60	585
27	240	2150	997	e1700	977	1010	531	e71	e45	155	e85	508
28	196	1920	947	e1600	928	1770	460	e68	e53	124	e105	602
29	164	1730	965	e1480	---	2090	402	e63	e52	97	e140	728
30	144	2320	1020	e1350	---	2270	355	e59	e47	86	e230	706
31	323	---	1030	e1250	---	2110	---	e53	---	79	e510	---
TOTAL	5116.8	38706	50759	66150	27229	21291	34533	5843	1998	7632	2485	17883
MEAN	165	1290	1637	2134	972	687	1151	188	66.6	246	80.2	596
MAX	878	2320	2820	3660	1270	2270	2100	340	164	433	510	1020
MIN	2.0	524	947	1070	750	163	355	53	36	49	37	121
AC-FT	10150	76770	100700	131200	54010	42230	68500	11590	3960	15140	4930	35470
CFSM	0.31	2.41	3.06	3.99	1.82	1.28	2.15	0.35	0.12	0.46	0.15	1.11
IN.	0.36	2.69	3.53	4.60	1.89	1.48	2.40	0.41	0.14	0.53	0.17	1.24

ST. FRANCIS RIVER BASIN

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

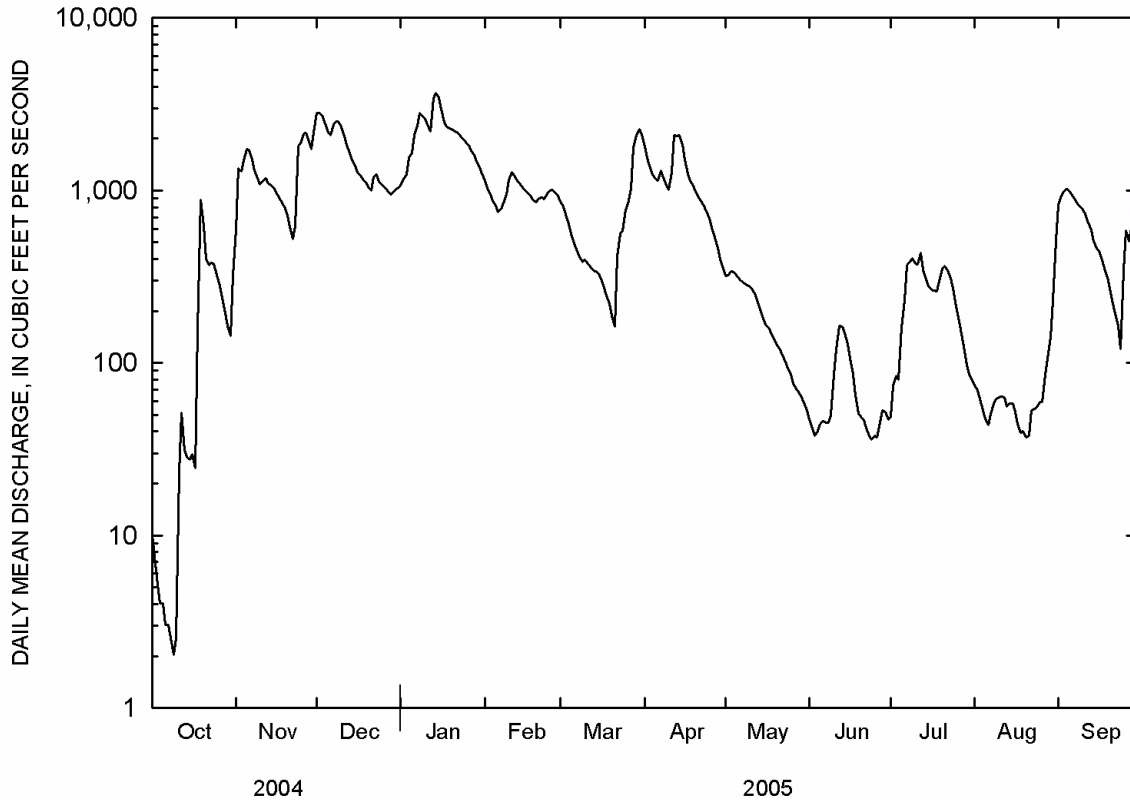
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	303	630	1227	1010	1131	1123	1037	753	472	255	271	426
MAX	1509	2807	3574	2857	4091	2977	3428	3033	2617	1507	800	2784
(WY)	1991	1989	2002	1991	1989	1975	1991	1983	1974	1994	1998	1978
MIN	5.10	9.91	11.9	43.2	151	222	117	39.6	25.3	23.8	63.8	65.1
(WY)	1995	1999	1990	1986	1972	1982	2003	1992	1988	1993	1980	1998

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971 - 2005	
ANNUAL TOTAL	236535.8		279625.8			
ANNUAL MEAN	646		766		718	
HIGHEST ANNUAL MEAN					1321 1989	
LOWEST ANNUAL MEAN					271 1972	
HIGHEST DAILY MEAN	2820	Dec 1	3660	Jan 14	15000	Dec 29 1987
LOWEST DAILY MEAN	2.0	Oct 9	2.0	Oct 9	1.0	Oct 27 1971
ANNUAL SEVEN-DAY MINIMUM	3.0	Oct 4	3.0	Oct 4	1.0	Oct 9 1992
MAXIMUM PEAK FLOW			4210	Jan 13	16600	Apr 29 1991
MAXIMUM PEAK STAGE			14.15	Jan 13	¹ 17.34	Dec 30 1987
INSTANTANEOUS LOW FLOW					0.99	Jul 20 1980
ANNUAL RUNOFF (AC-FT)	469200		554600		519900	
ANNUAL RUNOFF (CFSM)	1.21		1.43		1.34	
ANNUAL RUNOFF (INCHES)	16.45		19.44		18.22	
10 PERCENT EXCEEDS	1650		2060		1860	
50 PERCENT EXCEEDS	378		505		359	
90 PERCENT EXCEEDS	45		47		32	

¹From floodmark

^eEstimated



ST. FRANCIS RIVER BASIN
07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
OCT 2004													
20...	1030	80513	80020	632	30	--	765	3.0	34	7.2	130	21.2	40
NOV													
04...	1515	80513	82913	1530	--	.09	769	7.2	74	7.3	232	17.0	--
DEC													
14...	1040	80513	80020	1490	10	--	771	8.4	68	7.1	137	7.0	52
14...	1115	80513	82913	2460	--	.09	771	8.4	68	7.1	137	7.0	--
JAN 2005													
13...	0730	80513	82913	1860	--	.09	758	8.1	70	7.5	131	8.5	--
13...	0800	80513	82913	1050	--	.12	758	7.4	64	7.4	122	8.7	--
FEB													
09...	0800	80513	80020	E950	10	--	768	8.0	69	7.7	152	9.3	55
10...	0800	80513	82913	1200	--	.09	775	8.1	66	7.2	137	7.2	--
MAR													
09...	1120	80513	82913	382	--	.12	764	6.9	62	7.1	180	11.0	--
APR													
06...	1225	80513	82913	1120	--	.12	760	6.8	68	7.3	101	15.2	--
13...	0830	80513	80020	2050	20	--	764	5.3	55	7.2	108	17.4	34
MAY													
12...	0720	80513	82913	249	--	.12	767	7.2	84	7.0	143	23.2	--
JUN													
01...	1030	80513	80020	E47	30	--	764	1.8	21	7.1	487	23.6	150
15...	1445	80513	82913	116	--	.18	765	6.8	88	7.4	301	29.0	--
AUG													
16...	0800	80513	80020	53	30	--	769	3.9	50	7.8	71	28.6	300

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)
OCT 2004													
20...	9.99	3.77	8.65	.3	4.17	15	5.55	.1	6.1	93	1.2	--	E.03
NOV													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
14...	13.1	4.74	5.87	.3	4.44	14	5.39	.2	4.1	95	.55	--	<.04
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 2005													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
09...	14.2	4.67	4.90	.3	5.65	17	6.19	.2	4.8	97	.80	.06	.05
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	8.90	2.96	3.11	.2	3.23	15	3.04	.2	5.0	61	.92	.09	.07
MAY													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
01...	35.7	15.3	7.41	1	35.2	32	45.8	.4	18.6	280	.98	.25	.19
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	71.2	30.1	3.04	.8	30.5	18	32.9	.3	31.2	433	.70	.08	.06

Date	Nitrate water, fltrd, mg/L as N (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC, MF, water, col/100 mL (31633)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)
OCT 2004													
20...	.598	.13	.14	.026	.008	--	.696	.23	.27	.47	1.3	350	280
NOV													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
14...	--	--	E.03	--	<.008	--	.147	.05	.06	.14	--	21	34
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 2005													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
09...	--	--	.23	--	E.005	.75	.113	.04	.06	.18	1.0	130	170
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	.14	--	E.005	.85	.209	.07	.08	.28	1.1	E200	E140
MAY													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
01...	.930	.21	.23	.072	.022	.79	.181	.06	.08	.16	1.2	80	98
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16...	1.56	.35	.37	.053	.016	.64	.491	.16	.21	.29	1.1	51	58

ST. FRANCIS RIVER BASIN

07047942 L'ANGUILLE RIVER NEAR COLT--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Fecal streptococci KF 100 mL (31673)	Suspnd. sediment, falldia dst wat <.063mm (70342)	Suspnd. sediment, falldia dst wat <.125mm (70343)	Suspnd. sediment, falldia dst wat <.25mm (70344)	Suspnd. sediment, falldia dst wat <.5 mm (70345)	Suspnd. sediment, sieve diameter <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Bed sediment, falldia dst wat <.063mm (80158)	Bed sediment, falldia dst wat <.125mm (80159)	Bed sediment, falldia dst wat <.25mm (80160)	Bed sediment, falldia dst wat <.5 mm (80161)	Bed sediment, falldia dst wat <1 mm (80162)
OCT 2004 20...	376	--	--	--	--	91	85	145	--	--	--	--	--
NOV 04...	--	99	99	99	100	--	202	834	96	99	100	--	--
DEC 14...	29	--	--	--	--	92	40	161	--	--	--	--	--
DEC 14...	--	99	99	100	--	--	--	--	96	97	98	98	100
JAN 2005 13...	--	96	96	97	100	--	71	358	96	98	99	100	--
JAN 2005 13...	--	96	96	96	100	--	53	151	97	98	100	--	--
FEB 09...	820	--	--	--	--	96	50	--	--	--	--	--	--
FEB 10...	--	98	99	99	100	--	265	859	95	98	99	100	--
MAR 09...	--	97	97	97	100	--	89	92	95	98	99	100	--
APR 06...	--	98	98	99	100	--	202	611	97	98	99	100	--
APR 13...	360	--	--	--	--	98	47	260	--	--	--	--	--
MAY 12...	--	99	99	100	--	--	109	73	97	98	99	100	--
JUN 01...	68	--	--	--	--	91	22	--	--	--	--	--	--
JUN 15...	--	100	--	--	--	--	90	28	97	99	100	--	--
AUG 16...	--	--	--	--	--	92	150	21	--	--	--	--	--

Date	Sample source, code (72005)	Sampler type, code (84164)
OCT 2004 20...	--	3070
NOV 04...	--	--
DEC 14...	--	3052
DEC 14...	--	--
JAN 2005 13...	67.00	--
JAN 2005 13...	68.00	--
FEB 09...	--	3052
FEB 10...	--	--
MAR 09...	--	--
APR 06...	--	--
APR 13...	--	3052
MAY 12...	--	--
JUN 01...	--	8010
JUN 15...	--	--
AUG 16...	--	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ST. FRANCIS RIVER BASIN

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1949 to current year. October 1965 to September 1977 and October 1997 to current year in reports of the U.S. Geological Survey. April 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 NGVD of 1929. Prior to Nov. 1, 1949, nonrecording gage.

REMARKS.--Records fair, except those below 50 ft³/s and estimated daily discharges, which are poor. The stage-discharge relation affected by backwater during high stages of Mississippi River. Satellite telemeter at station.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	532	4070	1560	1460	1290	3250	531	50	76	164	1470
2	19	1240	4460	1610	1300	1190	3180	426	45	88	158	1680
3	17	1690	4530	1700	1170	1130	2880	351	42	118	155	1920
4	15	2050	4390	1860	1100	1070	2540	322	40	150	144	2150
5	13	2190	4150	1950	1020	1020	2250	309	39	177	134	2230
6	12	2180	3880	2190	929	964	2090	298	38	266	133	2180
7	11	2160	3720	2510	906	888	2140	286	37	444	131	2060
8	9.2	2130	3660	3050	982	786	2240	275	39	569	131	1940
9	8.0	2040	3730	3440	1070	680	2250	281	40	631	140	1800
10	8.2	1930	3780	3500	1230	634	2120	296	64	633	145	1660
11	12	1950	3660	3370	1410	580	2140	278	105	615	143	1530
12	27	1890	3400	3130	1530	526	2770	270	199	615	143	1390
13	64	1820	3050	3360	1610	468	3350	263	233	563	146	1220
14	76	1750	2700	4300	1650	413	3590	246	231	518	143	1080
15	97	1680	2450	4900	1650	390	3530	225	205	474	138	939
16	99	1600	2330	4850	1630	381	3300	203	173	408	135	795
17	90	1520	e2200	4480	1580	e350	2920	185	140	360	131	671
18	113	1430	e2170	3960	1520	e320	2510	169	104	350	125	564
19	633	1320	e2000	3480	1460	e272	2170	155	79	358	122	464
20	1160	1190	e1800	3180	1450	e290	1900	141	67	385	129	379
21	1330	1100	1660	e3000	1470	e250	1700	126	61	425	134	311
22	1410	1020	e1700	e2900	1450	513	1530	115	57	470	134	259
23	1400	995	e1800	e2850	1450	969	1370	104	54	501	143	233
24	1300	1610	e1800	e2800	1490	1090	1230	94	51	480	153	207
25	1180	2120	e1800	e2700	1510	1190	1130	89	49	425	156	242
26	971	2620	e1800	2630	1500	1270	1040	86	50	362	178	359
27	737	2960	1770	2410	1450	1350	945	82	51	306	282	479
28	504	3130	1690	2180	1390	1540	851	76	52	256	591	549
29	322	3210	1610	2010	---	1850	751	72	65	217	805	669
30	231	3510	1550	1810	---	2380	650	67	73	191	1050	741
31	206	---	1540	1640	---	2910	---	58	---	176	1240	---
TOTAL	12096.4	56567	84850	89310	38367	28954	64317	6479	2533	11607	7656	32171
MEAN	390	1886	2737	2881	1370	934	2144	209	84.4	374	247	1072
MAX	1410	3510	4530	4900	1650	2910	3590	531	233	633	1240	2230
MIN	8.0	532	1540	1560	906	250	650	58	37	76	122	207
AC-FT	23990	112200	168300	177100	76100	57430	127600	12850	5020	23020	15190	63810
CFSM	0.50	2.40	3.48	3.67	1.74	1.19	2.73	0.27	0.11	0.48	0.31	1.36
IN.	0.57	2.68	4.02	4.23	1.82	1.37	3.04	0.31	0.12	0.55	0.36	1.52

ST. FRANCIS RIVER BASIN

07047950 L'ANGUILLE RIVER AT PALESTINE--CONTINUED

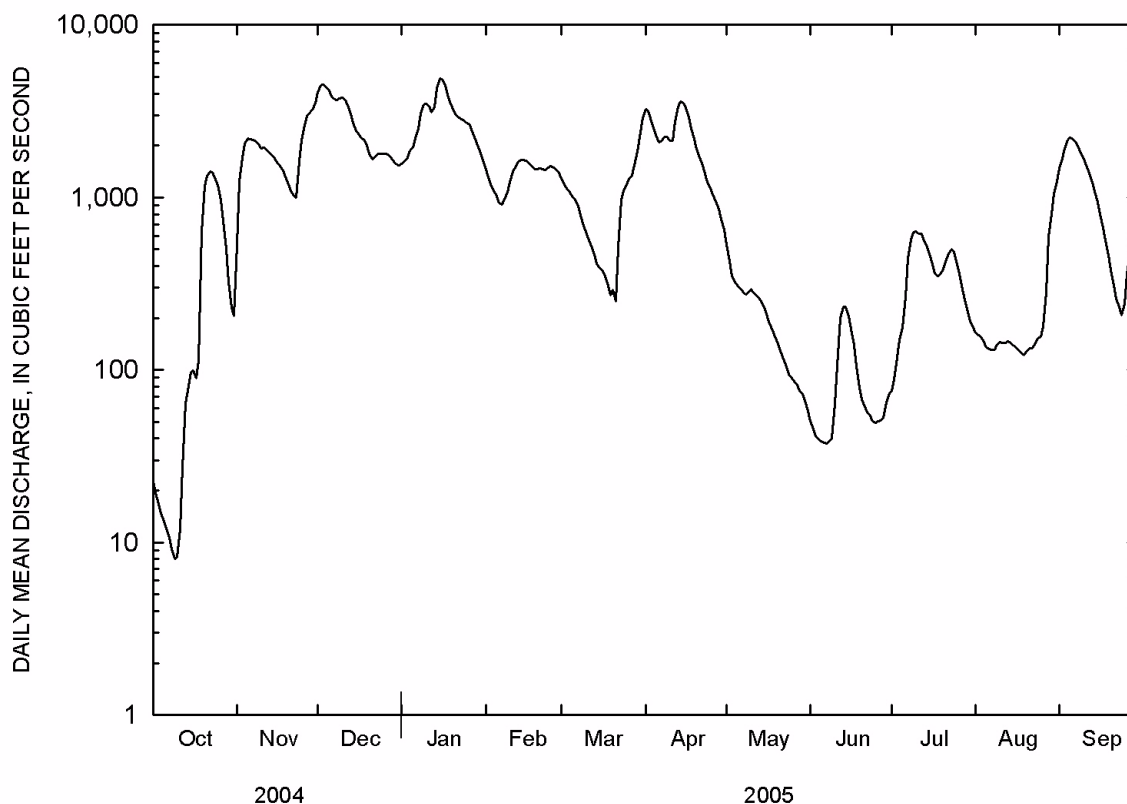
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)

MEAN	341	652	1419	1563	2294	2069	1645	1504	611	412	427	575
MAX	1670	5578	7477	6531	7854	5720	4938	6587	3919	1636	1713	2130
(WY)	1950	1958	2002	1950	1950	1975	1973	1953	1974	1967	1966	1950
MIN	1.97	0.00	3.71	34.5	136	631	147	44.9	26.0	0.06	19.0	66.7
(WY)	1964	1955	1966	1963	1963	1972	2003	1959	1952	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	403393.4		434907.4			
ANNUAL MEAN	1102		1192		1119	
HIGHEST ANNUAL MEAN					2592 1950	
LOWEST ANNUAL MEAN					455 1963	
HIGHEST DAILY MEAN	4530	Dec 3	4900	Jan 15	22400	Dec 18 2001
LOWEST DAILY MEAN	8.0	Oct 9	8.0	Oct 9	0.00	Jun 27 1952
ANNUAL SEVEN-DAY MINIMUM	10	Oct 5	10	Oct 5	0.00	Jul 21 1952
MAXIMUM PEAK FLOW			4960	Jan 15	¹ 23000	Dec 19 2001
MAXIMUM PEAK STAGE			24.37	Jan 15	30.92	Feb 3 1950
INSTANTANEOUS LOW FLOW			7.4	Oct 9	0.00	at times
ANNUAL RUNOFF (AC-FT)	800100		862600		811000	
ANNUAL RUNOFF (CFSM)	1.40		1.52		1.42	
ANNUAL RUNOFF (INCHES)	19.09		20.58		19.35	
10 PERCENT EXCEEDS	2610		2980		2860	
50 PERCENT EXCEEDS	642		939		479	
90 PERCENT EXCEEDS	100		73		36	

¹Backwater from Mississippi River

^eEstimated



ST. FRANCIS RIVER BASIN

07047950 L'ANGUILLE RIVER AT PALESTINE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1978-1979, 1981-84, November 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, mg/L fltrd, (00915)
NOV 2004 03...	1445	80513	80020	1820	10	764	4.2	45	7.2	155	18.2	57	14.6
DEC 01...	0810	80513	80020	4300	10	783	7.9	67	7.4	122	9.4	42	10.3
MAR 2005 30...	0830	80513	80020	2000	10	768	6.9	67	7.4	93	14.5	34	8.83

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)
NOV 2004 03...	5.11	6.96	.3	5.36	15	9.40	.1	3.9	107	.72	<.04	E.04	<.008
DEC 01...	3.97	5.23	.3	4.29	16	5.56	.1	3.3	91	.57	<.04	E.04	<.008
MAR 2005 30...	2.79	3.03	.2	3.32	16	3.94	.1	5.2	72	1.0	E.03	.24	E.005

Date	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC, col/100 mL (31625)	Fecal streptococci, KF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 03...	.300	.10	.12	.27	--	E700	560	E1700	81	86	423	3052
DEC 01...	.178	.06	.08	.15	--	96	190	1000	87	34	395	3052
MAR 2005 30...	.187	.06	.09	.28	1.3	290	250	E65	95	85	459	3052

Remark codes used in this table:

< -- Less than.
E -- Estimated.

WHITE RIVER BASIN

67

07048480 TOWN BRANCH AT B.R. 62 AT FAYETTEVILLE

LOCATION.--Lat 36°03'25", long 94°10'31", 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.--October 1996 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	e13	e1.2	e0.47	0.00	e0.29	2.8	0.12	0.28	0.76	0.15	0.14
2	2.7	e1.7	e1.1	e0.45	0.02	e0.29	0.53	0.11	0.23	0.18	0.17	0.14
3	2.3	e3.0	e0.85	e8.8	0.00	e0.29	0.30	0.11	0.29	0.17	0.26	0.65
4	2.0	e1.6	e0.69	e12	0.00	0.29	0.29	0.11	0.29	0.19	0.18	0.12
5	2.0	e1.3	e2.6	e14	0.00	0.38	2.7	0.12	2.2	0.20	0.32	0.14
6	2.0	e1.1	e6.6	e2.4	0.01	0.30	2.8	0.15	3.3	0.17	1.5	0.13
7	3.3	e1.2	e4.0	e1.6	0.00	0.63	1.0	0.15	0.28	0.15	0.21	0.15
8	3.8	e1.1	e1.2	e1.2	0.00	0.29	0.51	0.39	0.21	0.17	0.15	0.14
9	2.8	e0.40	e0.98	e0.98	0.00	0.31	0.46	0.15	0.22	0.15	0.12	0.13
10	3.2	e3.4	e0.70	e0.76	0.00	0.31	1.9	0.15	0.19	0.17	0.12	0.12
11	3.4	e5.0	e0.61	0.00	0.00	0.41	4.4	0.15	0.19	0.15	0.12	0.14
12	3.1	e1.9	e0.52	6.4	0.01	0.51	0.70	0.15	0.20	0.17	0.11	0.14
13	2.9	e0.95	e0.47	0.04	0.00	0.51	0.51	0.15	1.5	0.18	0.11	0.13
14	3.2	e0.95	e0.52	0.00	0.00	0.51	0.27	1.3	0.18	0.16	0.58	1.9
15	2.8	e0.95	e0.47	0.00	0.00	0.51	0.20	0.12	0.16	0.79	0.14	3.9
16	2.8	e0.95	e0.47	0.00	0.00	0.51	e0.20	0.13	0.50	0.41	0.13	0.21
17	2.8	e0.23	e0.47	0.00	0.00	0.51	e0.20	0.15	4.2	0.21	0.46	0.18
18	2.4	e5.0	e0.47	0.00	0.00	0.51	e0.20	0.23	0.22	0.24	0.14	0.20
19	2.4	e1.2	e0.47	0.00	0.00	0.51	e0.20	0.23	0.17	0.24	0.11	0.20
20	2.1	e0.82	e0.47	0.00	0.60	0.51	e0.20	0.24	0.15	0.17	0.12	0.21
21	2.0	e0.63	e0.43	0.00	0.31	2.3	e0.20	0.24	0.16	0.15	0.12	0.20
22	3.5	e0.63	e0.43	0.00	0.86	0.46	e0.20	0.37	0.15	0.16	0.13	0.20
23	3.7	e0.15	e0.38	0.00	1.6	0.29	e0.20	3.8	0.17	0.58	0.12	0.20
24	3.1	e5.2	e0.38	0.00	0.39	0.26	e0.20	1.8	e0.24	0.18	0.12	0.53
25	3.1	e1.1	e11	0.00	0.29	0.86	e0.21	0.30	e0.24	0.17	0.13	1.1
26	3.1	e1.0	e2.3	0.00	0.29	0.63	0.23	0.28	e0.24	0.17	0.14	0.20
27	3.1	e1.4	e0.51	0.00	e0.29	0.79	0.11	0.20	e0.25	0.55	0.15	0.16
28	e9.8	e0.69	e0.45	0.01	e0.29	0.31	0.79	0.20	0.18	0.15	0.14	1.4
29	e3.5	e3.2	e0.47	0.00	---	0.29	0.18	0.20	0.20	0.15	0.17	0.21
30	e0.11	e3.0	e0.49	0.00	---	0.29	0.13	0.20	0.19	0.17	0.13	0.16
31	e5.9	---	e0.47	0.00	---	0.64	---	0.20	---	0.15	0.14	---
TOTAL	96.11	62.75	42.17	49.11	4.96	15.50	22.82	12.20	16.98	7.61	6.69	13.43
MEAN	3.10	2.09	1.36	1.58	0.18	0.50	0.76	0.39	0.57	0.25	0.22	0.45
MAX	9.8	13	11	14	1.6	2.3	4.4	3.8	4.2	0.79	1.5	3.9
MIN	0.11	0.15	0.38	0.00	0.00	0.26	0.11	0.11	0.15	0.15	0.11	0.12
AC-FT	191	124	84	97	9.8	31	45	24	34	15	13	27
CFSM	3.61	2.43	1.58	1.84	0.21	0.58	0.88	0.46	0.66	0.29	0.25	0.52
IN.	4.16	2.71	1.82	2.12	0.21	0.67	0.99	0.53	0.73	0.33	0.29	0.58

WHITE RIVER BASIN

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

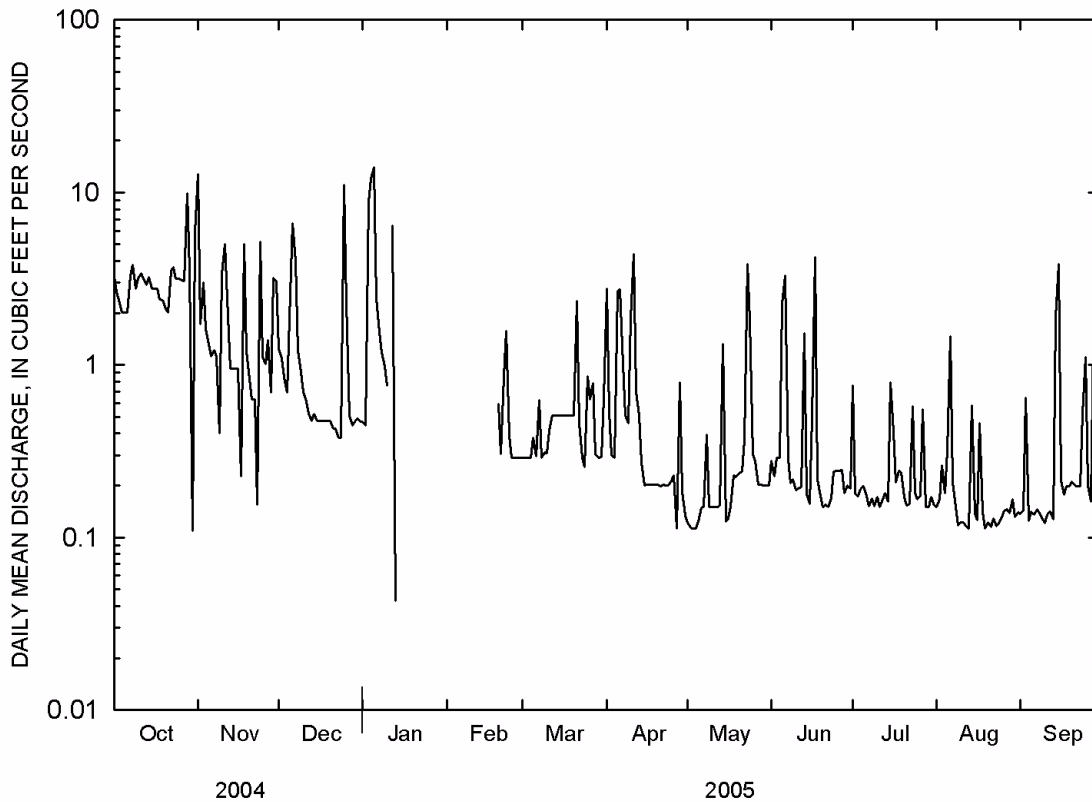
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	1.60	1.95	1.67	1.61	1.61	1.75	1.72	1.84	2.08	0.83	0.90	0.90
MAX	3.10	5.90	3.78	4.84	3.88	3.99	4.19	3.38	6.52	1.83	2.52	2.36
(WY)	2005	1997	2002	1998	2001	1998	2004	1999	2000	2004	2002	2001
MIN	0.47	0.38	1.01	0.18	0.18	0.50	0.50	0.39	0.57	0.25	0.22	0.21
(WY)	2003	2000	1999	1997	2005	2005	2000	2005	2005	2005	2005	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	571.32		350.33			
ANNUAL MEAN	1.56		0.96		1.54	
HIGHEST ANNUAL MEAN					2.01 2002	
LOWEST ANNUAL MEAN					0.96 2005	
HIGHEST DAILY MEAN	60	Apr 24	14	Jan 5	76	Jan 4 1998
LOWEST DAILY MEAN	0.00	Sep 22	0.00	Jan 11	0.00	Jan 10 1997
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 22	0.00	Jan 14	0.00	Jan 10 1997
MAXIMUM PEAK FLOW			335	Nov 1	¹ 1440	Jun 30 1999
MAXIMUM PEAK STAGE			4.74	Nov 1	9.11	Jun 30 1999
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	1130		695		1110	
ANNUAL RUNOFF (CFSM)	1.82		1.12		1.79	
ANNUAL RUNOFF (INCHES)	24.71		15.15		24.29	
10 PERCENT EXCEEDS	3.3		2.9		3.0	
50 PERCENT EXCEEDS	0.63		0.28		0.57	
90 PERCENT EXCEEDS	0.23		0.01		0.14	

¹From rating extended above 100 ft³/s on basis of culvert type IV flow computations

^eEstimated



WHITE RIVER BASIN

69

07048490 TOWN BRANCH TRIBUTARY AT HWY 16 AT FAYETTEVILLE

LOCATION.--Lat 36°02'54", long 94°09'44", 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.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	20	1.3	1.7	1.1	e0.72	7.7	0.57	0.67	2.6	0.39	0.06
2	0.18	1.2	0.79	3.1	3.5	0.67	1.5	0.57	0.57	0.31	0.50	0.09
3	0.00	4.0	0.67	21	1.9	0.67	1.3	0.51	0.57	0.49	0.65	1.6
4	0.00	1.0	0.52	27	1.4	0.66	1.2	0.53	0.68	0.21	0.45	0.00
5	0.00	0.47	5.0	28	1.3	0.63	7.9	0.57	4.8	0.54	0.83	0.00
6	0.00	0.38	11	5.9	2.5	0.61	8.4	0.57	4.2	0.21	4.0	0.00
7	2.5	0.28	5.5	4.2	1.5	1.3	3.1	0.57	1.4	0.19	0.65	0.01
8	2.5	0.23	2.7	3.1	1.7	0.57	2.1	1.8	0.88	0.19	0.27	0.02
9	0.00	0.20	2.2	2.7	1.5	0.65	1.8	0.76	0.77	0.19	0.07	0.03
10	1.5	5.2	1.8	2.5	1.2	0.67	5.2	0.76	0.67	0.27	0.03	0.09
11	1.6	7.1	1.6	2.4	1.2	0.74	15	0.73	0.59	0.20	0.03	0.10
12	0.00	0.94	1.5	19	2.2	0.87	2.2	0.76	0.57	0.22	0.03	0.15
13	0.00	0.47	1.3	15	2.4	0.77	1.6	0.76	5.3	0.21	0.11	0.15
14	2.0	0.33	1.2	3.7	1.5	0.79	1.3	5.1	0.65	0.30	1.7	7.3
15	0.00	0.26	1.1	2.7	1.4	0.76	1.2	0.49	0.53	2.7	0.20	11
16	0.00	0.26	1.2	2.1	1.3	0.75	1.1	0.40	2.1	0.34	0.10	0.38
17	0.00	0.31	1.1	1.8	1.2	0.71	0.95	0.38	12	0.23	1.1	0.19
18	0.00	8.3	1.1	1.7	1.2	0.84	0.95	0.38	1.0	0.19	0.08	0.19
19	0.00	1.1	1.0	1.6	1.1	0.89	0.92	0.53	0.80	0.73	0.03	0.19
20	0.00	0.70	1.1	1.6	1.3	0.86	0.86	0.67	0.79	e0.37	0.06	0.19
21	0.00	0.57	1.1	1.5	3.6	7.1	0.80	0.68	0.76	e0.23	0.11	0.19
22	2.5	0.54	1.1	1.4	1.2	1.2	0.76	1.0	0.72	e0.34	0.27	0.19
23	0.41	0.57	1.1	1.3	6.4	0.67	0.73	13	0.66	e1.9	0.01	0.19
24	0.00	8.9	1.1	1.3	1.6	0.58	0.70	4.4	0.67	e0.23	0.03	0.98
25	0.00	1.0	20	1.3	1.1	2.4	0.73	1.2	0.81	e0.18	0.02	3.7
26	0.00	0.76	5.0	1.3	1.0	1.7	1.3	0.73	0.67	e0.30	0.00	0.28
27	0.91	1.1	1.2	1.1	e0.89	2.0	0.57	0.57	0.60	1.9	0.00	0.20
28	11	0.42	1.1	2.1	e0.79	1.0	3.5	0.58	0.59	0.51	0.03	4.3
29	3.0	5.4	1.2	1.7	---	0.96	0.95	0.57	0.60	0.42	0.07	0.33
30	0.91	4.6	1.3	1.2	---	0.95	0.61	0.57	0.56	0.42	0.00	0.06
31	8.4	---	1.4	1.2	---	1.7	---	0.57	---	0.38	0.03	---
TOTAL	40.91	76.59	79.28	166.2	48.98	35.39	76.93	41.28	46.18	17.50	11.85	32.16
MEAN	1.32	2.55	2.56	5.36	1.75	1.14	2.56	1.33	1.54	0.56	0.38	1.07
MAX	11	20	20	28	6.4	7.1	15	13	12	2.7	4.0	11
MIN	0.00	0.20	0.52	1.1	0.79	0.57	0.57	0.38	0.53	0.18	0.00	0.00
AC-FT	81	152	157	330	97	70	153	82	92	35	24	64
CFSM	0.97	1.88	1.88	3.94	1.29	0.84	1.89	0.98	1.13	0.42	0.28	0.79
IN.	1.12	2.09	2.17	4.55	1.34	0.97	2.10	1.13	1.26	0.48	0.32	0.88

WHITE RIVER BASIN

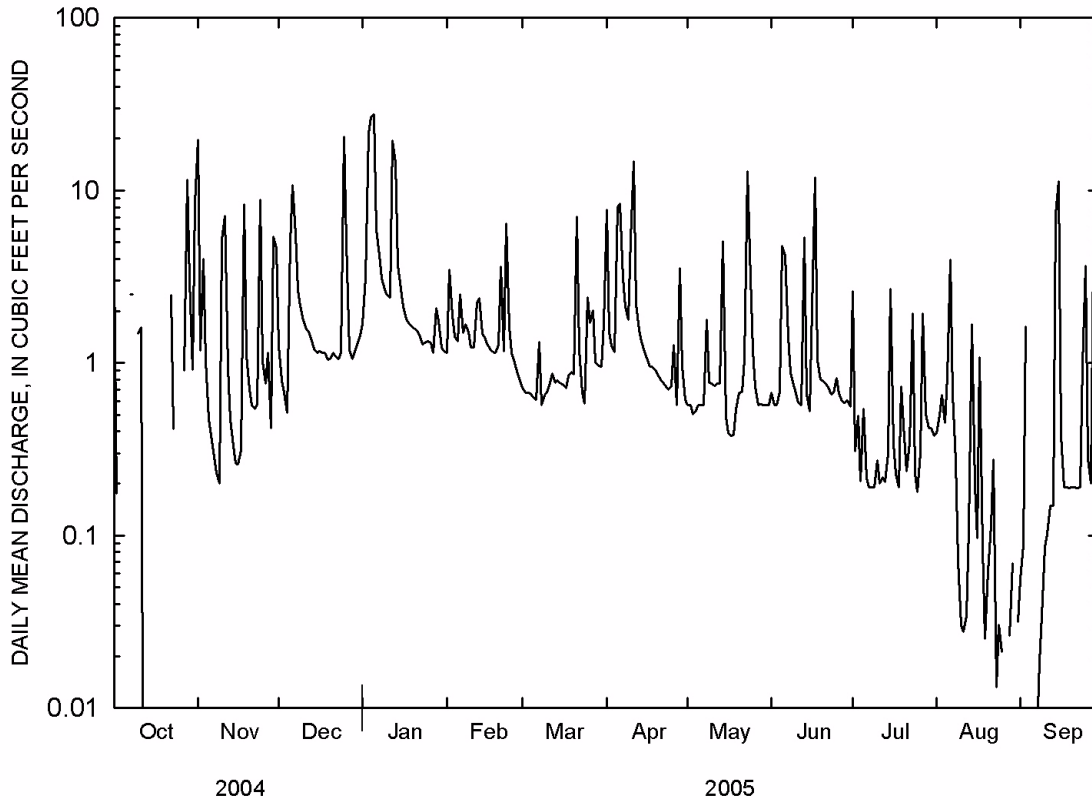
07048490 TOWN BRANCH TRIBUTARY AT HWY 16 AT FAYETTEVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	1.61	2.67	2.25	2.69	2.62	2.51	2.80	2.44	2.76	1.24	1.13	1.34
MAX	2.63	7.69	4.82	7.60	4.84	5.97	8.83	5.09	7.40	3.09	2.63	2.99
(WY)	2002	1997	2002	1998	2001	1998	2004	1999	2000	2004	2002	2001
MIN	0.69	0.48	1.37	0.68	0.92	0.94	0.86	1.05	0.75	0.45	0.30	0.33
(WY)	2000	2000	1998	2000	2000	2001	2000	1997	1998	2002	2000	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	880.00		673.25			
ANNUAL MEAN	2.40		1.84		2.17	
HIGHEST ANNUAL MEAN					2.69 2002	
LOWEST ANNUAL MEAN					1.57 2000	
HIGHEST DAILY MEAN	106	Apr 24	28	Jan 5	106	Apr 24 2004
LOWEST DAILY MEAN	0.00	Mar 27	0.00	Oct 3	0.00	Oct 6 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 15	0.00	Oct 15	0.00	Sep 1 2002
MAXIMUM PEAK FLOW			368	Apr 11	1390	Jul 3 2004
MAXIMUM PEAK STAGE			4.96	Apr 11	9.17	Jul 3 2004
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	1750		1340		1570	
ANNUAL RUNOFF (CFSM)	1.77		1.36		1.59	
ANNUAL RUNOFF (INCHES)	24.07		18.42		21.64	
10 PERCENT EXCEEDS	5.2		4.2		4.4	
50 PERCENT EXCEEDS	0.77		0.79		0.78	
90 PERCENT EXCEEDS	0.04		0.06		0.19	

Estimated



WHITE RIVER BASIN

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE

LOCATION.--Lat 36°03'14", long 94°04'59", in NE1/4NW1/4 sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagnon Road, 6 mi east of Fayetteville, about 1.4 mi above the confluence with the White River.

DRAINAGE AREA.--123 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to current year. Occasional discharge measurements, water years 1985-2001.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1870	480	6.1	74	150	323	55	20	6.5	1.5	e0.00
2	12	406	276	7.9	89	135	313	48	16	5.7	e0.90	e0.00
3	2.6	206	176	1080	115	121	211	42	15	3.7	e0.31	e0.00
4	1.6	196	121	2410	129	113	174	36	12	3.2	e0.10	e2.3
5	2.4	116	148	2630	116	104	156	32	53	3.4	e0.00	2.9
6	1.1	78	335	1260	114	97	1010	30	132	2.2	3.2	e1.2
7	1.1	59	1080	596	156	95	678	29	73	1.6	14	e0.41
8	9.6	43	422	443	153	104	440	27	26	2.0	2.7	e0.11
9	3.5	34	252	350	147	94	331	31	19	1.1	1.9	0.00
10	2.9	27	157	286	134	88	265	37	15	1.3	e0.80	0.00
11	6.9	500	98	251	124	81	977	32	14	2.6	e0.50	0.00
12	5.6	209	70	372	122	77	504	25	12	1.8	e4.8	0.00
13	3.1	113	52	1850	167	72	356	22	42	2.0	3.4	0.00
14	4.5	79	39	573	171	67	272	131	17	0.95	1.7	22
15	4.4	59	31	404	147	63	221	109	11	1.5	5.9	95
16	2.6	47	27	316	132	61	183	66	12	5.8	2.1	10
17	2.3	38	25	250	120	58	154	46	281	1.4	3.0	5.0
18	1.4	278	22	209	110	53	134	35	61	1.3	4.9	4.0
19	1.1	376	19	188	106	51	120	29	22	1.6	2.6	3.0
20	2.5	172	16	165	103	50	108	24	14	2.6	2.4	2.3
21	3.1	109	13	148	176	100	95	21	11	2.1	e0.66	1.5
22	2.4	79	12	130	168	627	85	20	8.7	1.4	e0.33	1.2
23	8.0	66	10	110	272	367	74	183	7.1	1.6	e0.12	0.38
24	3.5	741	8.8	100	317	263	66	153	6.4	4.7	e1.7	0.71
25	2.4	407	7.9	95	234	270	64	127	6.0	1.5	e0.90	12
26	2.0	217	7.6	88	195	226	65	74	5.4	1.0	e0.30	5.7
27	3.4	849	7.3	82	173	268	57	45	5.1	1.6	e0.10	3.3
28	122	418	7.0	77	172	257	74	35	5.4	4.4	e0.00	15
29	74	363	6.8	92	---	213	79	27	5.6	2.4	e0.00	21
30	49	720	6.6	85	---	186	67	22	2.9	e0.50	e0.00	7.6
31	51	---	6.3	79	---	158	---	21	---	1.3	e0.00	---
TOTAL	394.8	8875	3939.3	14733.0	4236	4669	7656	1614	930.6	74.75	60.82	216.61
MEAN	12.7	296	127	475	151	151	255	52.1	31.0	2.41	1.96	7.22
MAX	122	1870	1080	2630	317	627	1010	183	281	6.5	14	95
MIN	1.1	27	6.3	6.1	74	50	57	20	2.9	0.50	0.00	0.00
MED	3.1	184	27	209	140	104	165	35	14	1.8	0.90	1.9
AC-FT	783	17600	7810	29220	8400	9260	15190	3200	1850	148	121	430

WHITE RIVER BASIN

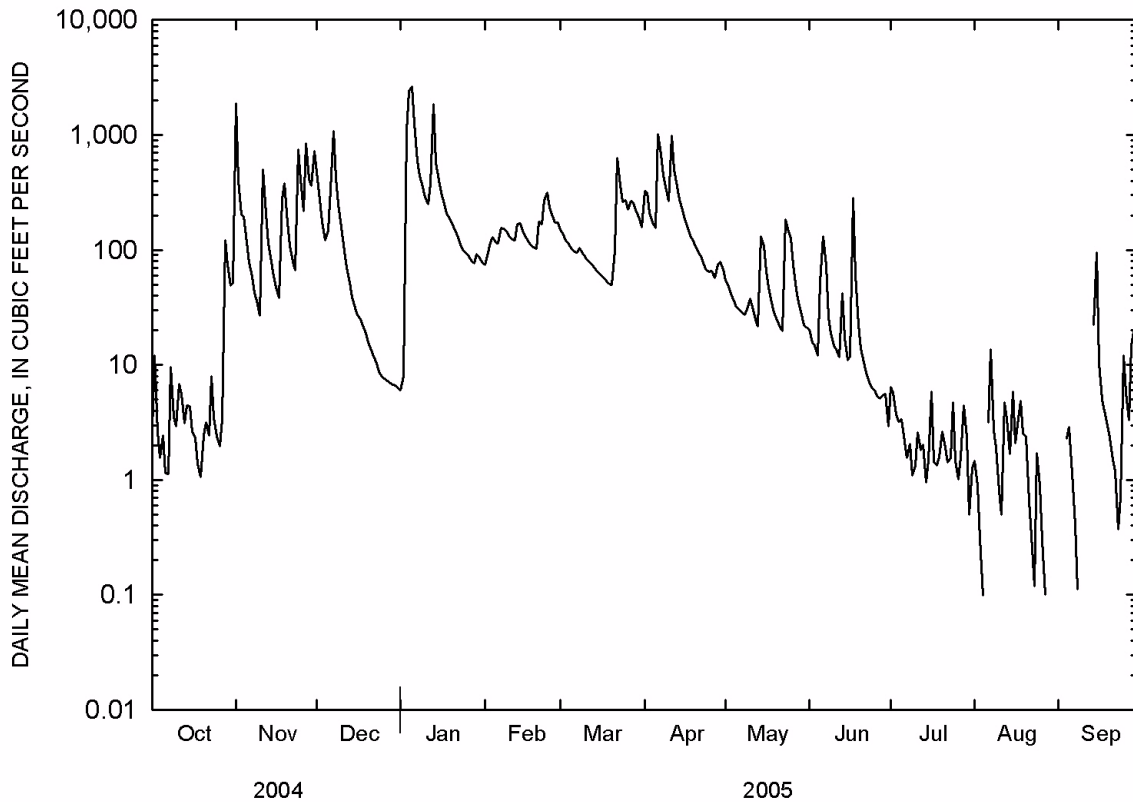
07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	50.4	139	182	206	154	239	838	177	81.0	98.5	24.0	9.37
MAX	136	296	437	475	254	462	2568	446	118	372	59.7	18.2
(WY)	2002	2005	2002	2005	2002	2002	2004	2003	2003	2004	2002	2003
MIN	6.62	6.20	46.4	34.9	95.3	137	56.1	52.1	31.0	2.41	1.96	5.00
(WY)	2003	2003	2003	2003	2004	2003	2003	2005	2005	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	123064.7		47399.88			
ANNUAL MEAN	336		130		182	
HIGHEST ANNUAL MEAN					321 2004	
LOWEST ANNUAL MEAN					83.3 2003	
HIGHEST DAILY MEAN	59900	Apr 24	2630	Jan 5	59900	Apr 24 2004
LOWEST DAILY MEAN	1.1	Oct 6	0.00	Aug 5	0.00	Aug 27 2003
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 16	0.00	Aug 28	0.00	Aug 28 2005
MAXIMUM PEAK FLOW			4140	Jan 4	¹ 59900	Apr 24 2004
MAXIMUM PEAK STAGE			14.24	Jan 4	26.33	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.00	Jan 1	0.00	Jan 1 2003
ANNUAL RUNOFF (AC-FT)	244100		94020		132200	
10 PERCENT EXCEEDS	406		316		307	
50 PERCENT EXCEEDS	72		38		45	
90 PERCENT EXCEEDS	4.4		1.2		3.5	

¹Based on contracted-opening measurement with flow-over-road, standard step-backwater using HEC-RAS v.3.1.2
^eEstimated



WHITE RIVER BASIN

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1973 to September 1974, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)
NOV 2004													
01...	0950	80513	80020	2920	10	738	11.4	124	7.9	138	17.5	58	18.8
01...	1350	80513	80020	3180	10	739	8.5	91	7.9	101	17.3	41	12.9
02...	0915	80513	80020	425	10	746	8.3	88	7.6	141	17.1	57	18.0
10...	0715	80513	80020	27	30	748	8.4	81	8.7	227	12.8	95	30.3
JAN 2005													
03...	1400	80513	80020	2230	10	748	9.7	95	7.8	170	13.6	65	20.9
03...	1545	80513	80020	2120	10	750	9.8	95	7.8	122	13.6	45	14.2
05...	1300	80513	80020	2850	10	743	9.9	91	7.9	108	10.3	41	12.9
18...	1315	80513	80020	199	30	756	11.8	92	7.8	179	4.2	70	22.3
MAR													
09...	0845	80513	80020	97	30	743	9.9	91	7.8	176	10.2	73	23.4
APR													
29...	0830	80513	80020	83	30	740	7.9	84	7.7	237	17.1	94	29.8
JUN													
22...	1400	80513	80020	8.1	30	750	5.7	74	7.8	236	27.7	99	32.9
SEP													
01...	0640	80513	80020	.00	30	746	2.6	32	7.0	254	23.2	100	33.0

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)
NOV 2004													
01...	2.67	2.98	.2	3.22	10	3.06	E.1	13.7	84	2.7	<.04	.62	E.006
01...	2.04	2.55	.1	2.11	9	2.06	E.1	8.6	62	1.5	<.04	.42	<.008
02...	2.92	2.24	.2	3.17	10	2.90	E.1	14.6	83	.49	<.04	.70	E.004
10...	4.72	1.86	.3	6.48	13	4.48	.1	32.7	136	.13	<.04	.65	<.008
JAN 2005													
03...	3.13	2.36	.2	4.46	12	5.01	E.1	19.4	103	1.3	E.03	.43	E.006
03...	2.28	2.01	.2	3.16	13	4.01	E.1	12.5	79	1.2	<.04	.41	E.006
05...	2.02	1.91	.2	2.69	12	2.73	E.1	10.4	73	.67	E.02	.52	E.004
18...	3.54	1.13	.2	4.33	12	3.52	E.1	21.4	90	E.08	<.04	.72	<.008
MAR													
09...	3.54	1.20	.2	4.54	12	4.12	E.1	21.7	85	.12	<.04	.18	<.008
APR													
29...	4.67	1.62	.4	8.30	16	7.57	E.1	30.6	147	.23	E.03	.28	E.006
JUN													
22...	4.07	2.57	.2	5.20	10	3.93	.1	22.9	142	.45	E.02	.34	E.006
SEP													
01...	5.10	3.34	.4	8.26	14	6.35	.2	25.4	156	.46	E.03	<.06	<.008

Date	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci, KF col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004												
01...	--	E.01	E.03	.87	3.3	E270000	E310000	E450000	86	1060	8360	3052
01...	.058	.02	E.04	.53	1.9	E200000	E180000	E345000	94	587	5040	3052
02...	--	<.02	E.02	.10	1.2	E380000	2100	5700	91	96	110	3052
10...	.064	.02	<.04	<.04	.78	97	93	147	97	52	3.8	8010
JAN 2005												
03...	--	E.01	E.03	.38	1.8	9200	11000	9270	80	529	3190	3052
03...	--	E.01	E.03	.33	1.6	7200	7600	11000	84	392	2240	3052
05...	.071	.02	E.03	.16	1.2	6100	10000	8000	81	165	1270	3052
18...	--	<.02	<.04	<.04	--	100	77	87	88	33	18	8010
MAR												
09...	--	<.02	<.04	<.04	.30	23	43	E15	90	8	2.1	8010
APR												
29...	--	<.02	<.04	E.03	.50	92	130	168	91	18	4.0	8010
JUN												
22...	--	<.02	<.04	.05	.79	50	46	119	93	34	.74	8010
SEP												
01...	--	<.02	<.04	E.03	--	58	80	--	96	16	--	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07048600 WHITE RIVER NEAR FAYETTEVILLE

LOCATION.--Lat 36°04'23", long 94°04'52", 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.--WDR Ark, 1973: Drainage area. WDR Ark. 1974: 1966(M), 1972(M). WDR Ark. 1985: 1966(M), 1968-69(M), 1971-73(M).

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

REMARKS.--Records good except estimated daily discharges, which are poor. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6970	2300	132	250	504	776	232	68	11	2.9	2.4
2	28	2600	1540	138	274	453	787	210	58	10	2.9	2.4
3	12	1400	1170	2840	328	413	616	188	50	8.8	2.8	2.4
4	10	1250	935	8700	381	380	543	172	37	7.2	2.8	2.5
5	11	877	915	9170	351	350	e567	156	124	7.0	2.8	2.8
6	11	692	1480	5530	341	318	e1940	144	219	6.9	4.4	2.8
7	11	566	3410	2500	642	306	e1740	131	149	6.1	16	2.9
8	19	469	1750	1690	705	343	1280	129	69	6.3	4.3	2.8
9	37	392	1310	1250	650	298	1020	141	48	6.2	2.9	2.8
10	124	340	1030	1020	584	270	856	153	33	5.7	2.8	2.7
11	129	1890	834	890	524	246	2220	129	23	5.3	2.6	2.8
12	113	1160	711	969	497	229	1640	105	22	6.5	3.3	2.9
13	109	807	600	6540	590	212	1170	90	64	7.4	4.2	2.9
14	107	645	512	2240	630	200	946	368	26	6.5	2.9	20
15	92	543	448	1490	558	187	791	420	18	5.8	5.1	67
16	81	469	403	1140	516	178	676	266	20	7.7	3.0	5.0
17	72	411	364	926	466	169	587	198	338	6.5	3.1	2.8
18	57	984	330	788	427	159	522	160	149	5.0	3.7	2.5
19	46	2040	299	697	401	149	466	135	69	4.4	3.1	2.5
20	43	1200	267	623	379	147	421	114	34	5.1	2.8	2.5
21	42	890	242	560	550	218	374	98	21	6.1	2.7	2.4
22	38	726	222	491	535	1750	335	84	15	6.5	2.6	2.5
23	72	641	205	426	711	1120	294	439	13	6.6	2.5	2.5
24	46	2300	184	384	901	823	260	391	12	7.8	2.4	2.4
25	36	1730	169	357	724	798	238	298	11	6.7	2.5	5.2
26	46	1190	161	331	637	705	230	200	10	6.6	2.5	3.2
27	39	2600	155	301	586	834	219	149	9.8	5.8	2.4	2.4
28	379	1510	145	282	565	826	253	123	9.4	5.5	2.4	2.6
29	437	1440	140	300	---	728	283	102	9.2	3.9	2.4	17
30	430	2930	140	285	---	651	263	83	8.0	2.9	2.4	2.6
31	535	---	132	267	---	575	---	74	---	2.7	2.4	---
TOTAL	3223	41662	22503	53257	14703	14539	22313	5682	1736.4	196.5	105.6	180.2
MEAN	104	1389	726	1718	525	469	744	183	57.9	6.34	3.41	6.01
MAX	535	6970	3410	9170	901	1750	2220	439	338	11	16	67
MIN	10	340	132	132	250	147	219	74	8.0	2.7	2.4	2.4
AC-FT	6390	82640	44630	105600	29160	28840	44260	11270	3440	390	209	357
CFSM	0.26	3.47	1.81	4.29	1.31	1.17	1.86	0.46	0.14	0.02	0.01	0.02
IN.	0.30	3.87	2.09	4.95	1.37	1.35	2.08	0.53	0.16	0.02	0.01	0.02

WHITE RIVER BASIN

07048600 WHITE RIVER NEAR FAYETTEVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964-94, 1999-05, BY WATER YEAR (WY)

MEAN	243	631	701	535	781	1054	1139	819	453	108	46.0	117
MAX	2353	2808	2365	1718	2438	2828	3814	3615	2383	1172	330	1346
(WY)	1971	1986	1988	2005	1989	1973	2004	1990	2000	2004	1981	1974
MIN	1.86	2.13	2.75	5.14	7.23	97.2	219	40.3	18.6	3.75	3.02	2.80
(WY)	1990	1990	1990	1964	1964	1967	2001	1977	1977	1970	1969	1969

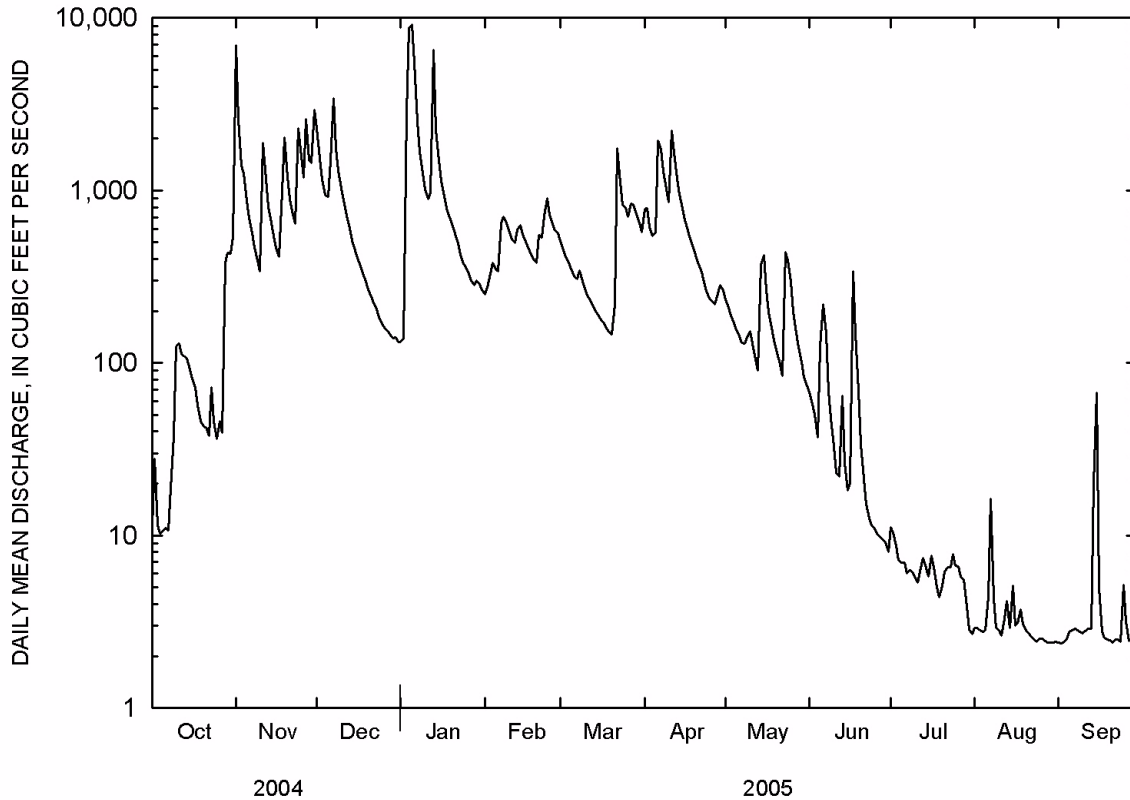
SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1964-94, 1999-05

ANNUAL TOTAL	311290		180100.7				
ANNUAL MEAN	851		493		550		
HIGHEST ANNUAL MEAN					1043 1973		
LOWEST ANNUAL MEAN					158 1980		
HIGHEST DAILY MEAN	47400	Apr 24	9170	Jan 5	48000	Nov 19	1985
LOWEST DAILY MEAN	10	Oct 4	2.4	Aug 24	0.12	Oct 2	1982
ANNUAL SEVEN-DAY MINIMUM	13	Oct 1	2.4	Aug 27	0.28	Oct 18	1989
MAXIMUM PEAK FLOW			14700	Jan 4	¹ 140000 Apr 24 2004		
MAXIMUM PEAK STAGE			17.20	Jan 4	² 32.30 Apr 24 2004		
INSTANTANEOUS LOW FLOW			2.4 at times		0.06	Oct 22	1991
ANNUAL RUNOFF (AC-FT)	617400		357200		398200		
ANNUAL RUNOFF (CFSM)	2.13		1.23		1.37		
ANNUAL RUNOFF (INCHES)	28.95		16.75		18.67		
10 PERCENT EXCEEDS	1490		1180		1250		
50 PERCENT EXCEEDS	394		187		175		
90 PERCENT EXCEEDS	86		2.8		6.3		

¹On basis of slope-area indirect discharge measurement

²From floodmark

^eEstimated



WHITE RIVER BASIN
07048600 WHITE RIVER NEAR FAYETTEVILLE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 05...	1215	80513	80020	10	30	6.3	748	3.2	7.3	80	7.7	233	18.6
NOV 01...	1515	80513	80020	11300	10	310	738	1.9	10.1	109	7.2	71	17.5
NOV 03...	1440	80513	80020	1340	10	50	744	1.2	9.9	101	7.6	77	15.2
JAN 03...	1945	80513	80020	5200	10	110	752	.7	9.5	92	7.9	102	13.4
JAN 11...	1600	80513	80020	865	40	16	742	1.3	10.4	96	7.7	90	10.5
MAR 08...	1500	80513	80020	346	30	10	746	.4	10.7	101	8.0	104	12.1
APR 18...	1340	80513	80020	531	30	11	749	1.3	9.2	99	7.6	89	17.9
JUN 29...	1515	80513	80020	9.4	30	7.1	746	4.4	7.3	100	7.5	197	30.6
AUG 17...	1500	80513	80020	3.3	30	12	740	14	5.7	74	7.0	256	27.8

Date	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltr mg/L (70300)	Ammonia org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)
OCT 05...	--	--	--	86	--	--	--	--	.26	.03	.022	.513	.12
NOV 01...	--	--	--	17	--	--	--	--	1.2	.02	.018	2.04	.46
NOV 03...	29	8.62	1.71	25	2.04	<.1	6.7	48	.28	.03	.020	3.21	.72
JAN 03...	--	--	--	32	--	--	--	--	.79	.03	.024	2.36	.53
JAN 11...	35	10.9	1.78	31	2.42	E.1	8.2	58	.14	.02	.015	3.59	.81
MAR 08...	--	--	--	23	--	--	--	--	.16	.03	.024	1.21	.27
APR 18...	--	--	--	29	--	--	--	--	.15	--	E.008	1.35	.30
JUN 29...	--	--	--	69	--	--	--	--	.35	.03	.022	.398	.09
AUG 17...	--	--	--	76	--	--	--	--	.39	.05	.036	.797	.18

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF 100 mL (31625)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, unfltrd recoverable, ug/L (01055)
OCT 05...	.120	.013	.004	.24	--	<.006	.027	.38	2.3	5.1	E17	190	123
NOV 01...	.464	.013	.004	1.1	.110	.036	.23	1.6	5.0	12.6	E100000	6400	548
NOV 03...	.728	.010	.003	.26	.021	.007	.071	1.0	1.9	3.6	1200	1270	130
JAN 03...	.539	.016	.005	.77	.129	.042	.19	1.3	5.4	9.4	8800	1880	181
JAN 11...	.812	.007	.002	.12	--	<.006	.024	.95	1.7	1.9	170	460	70.5
MAR 08...	.275	.007	.002	.14	--	<.006	.020	.44	.9	1.6	E10	420	104
APR 18...	.306	.007	.002	--	--	<.006	.021	.45	1.1	1.3	28	380	76.2
JUN 29...	.093	.010	.003	.33	--	<.006	.040	.44	3.0	4.3	36	390	180
AUG 17...	.187	.023	.007	.36	--	<.04	.019	.58	3.2	3.7	110	500	340

Date	Suspnd. sedi- ment, sieve diametr <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)
OCT 05...	92	31	.84	3070
NOV 01...	90	347	10600	3054
NOV 03...	98	49	177	3052
JAN 03...	90	142	1990	3052
JAN 11...	92	36	84	3052
MAR 08...	94	14	13	3070
APR 18...	94	12	17	3070
JUN 29...	81	15	.38	3070
AUG 17...	89	21	.19	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

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07048700 WHITE RIVER NEAR GOSHEN

LOCATION.--Lat 36°06'21", long 94°00'42", in NW1/4NW1/4 sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, on downstream right end of bridge on Arkansas State Highway 45, 3.0 mi west of Goshen, 6.8 mi east of the junction of Arkansas Highway 45 and Arkansas Highway 265 near Fayetteville.

DRAINAGE AREA.--412 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 2002 to current year.

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	7090	2330	229	139	590	1120	361	58	58	4.0	2.3
2	e28	2930	1500	131	292	527	1140	280	33	42	3.5	2.2
3	e16	1440	1120	2960	343	464	860	246	28	35	3.8	5.4
4	e13	1260	865	9860	414	466	804	258	e35	28	3.9	11
5	e14	855	849	10400	148	395	730	209	128	15	3.9	5.3
6	e15	629	1360	6480	321	375	2710	189	204	13	25	4.3
7	e14	509	3590	2820	780	368	2510	179	287	13	37	4.4
8	e22	412	1760	1790	670	417	1720	192	e150	11	24	11
9	e29	391	1260	1320	608	291	1420	187	e60	11	10	5.9
10	e102	310	927	982	546	340	1230	182	36	22	4.2	9.1
11	e138	1920	797	e910	441	279	2740	174	27	20	3.5	5.7
12	e125	1420	585	827	452	311	2160	128	23	17	3.3	4.2
13	e119	961	555	7170	575	287	1590	114	71	22	2.9	3.5
14	e112	714	465	2520	709	262	1270	433	56	24	5.1	13
15	e101	573	327	1500	563	183	1110	547	54	20	4.8	123
16	e88	532	303	1110	567	207	996	e322	63	19	5.7	59
17	e79	446	361	973	580	245	888	e219	375	24	6.8	25
18	e66	910	298	761	502	163	794	e181	281	19	5.7	15
19	e53	2400	362	747	530	138	682	e156	e108	18	5.0	9.1
20	e50	1500	e322	669	461	173	617	e138	e72	15	5.6	4.7
21	e48	1110	273	318	625	215	526	e119	e62	12	6.5	4.0
22	e45	893	289	324	626	2070	484	e116	e60	16	4.5	3.6
23	e65	776	e275	609	832	1500	424	e322	e58	20	3.8	3.4
24	e55	2470	e250	404	1260	1100	358	e375	e57	20	3.5	3.1
25	e42	2000	e230	261	955	1100	359	419	e60	23	3.4	4.0
26	e50	1430	e215	388	808	992	299	324	e61	19	3.2	9.8
27	e45	2700	194	94	779	1140	321	193	68	e15	3.3	7.1
28	312	1680	163	239	750	1110	336	134	50	e12	3.4	4.0
29	471	1440	250	310	---	978	461	121	44	7.9	3.2	17
30	450	2990	143	119	---	971	388	65	40	8.6	3.0	14
31	601	---	203	148	---	857	---	73	---	5.2	2.7	---
TOTAL	3383	44691	22421	57373	16276	18514	31047	6956	2709	604.7	208.2	393.1
MEAN	109	1490	723	1851	581	597	1035	224	90.3	19.5	6.72	13.1
MAX	601	7090	3590	10400	1260	2070	2740	547	375	58	37	123
MIN	13	310	143	94	139	138	299	65	23	5.2	2.7	2.2
AC-FT	6710	88640	44470	113800	32280	36720	61580	13800	5370	1200	413	780

WHITE RIVER BASIN

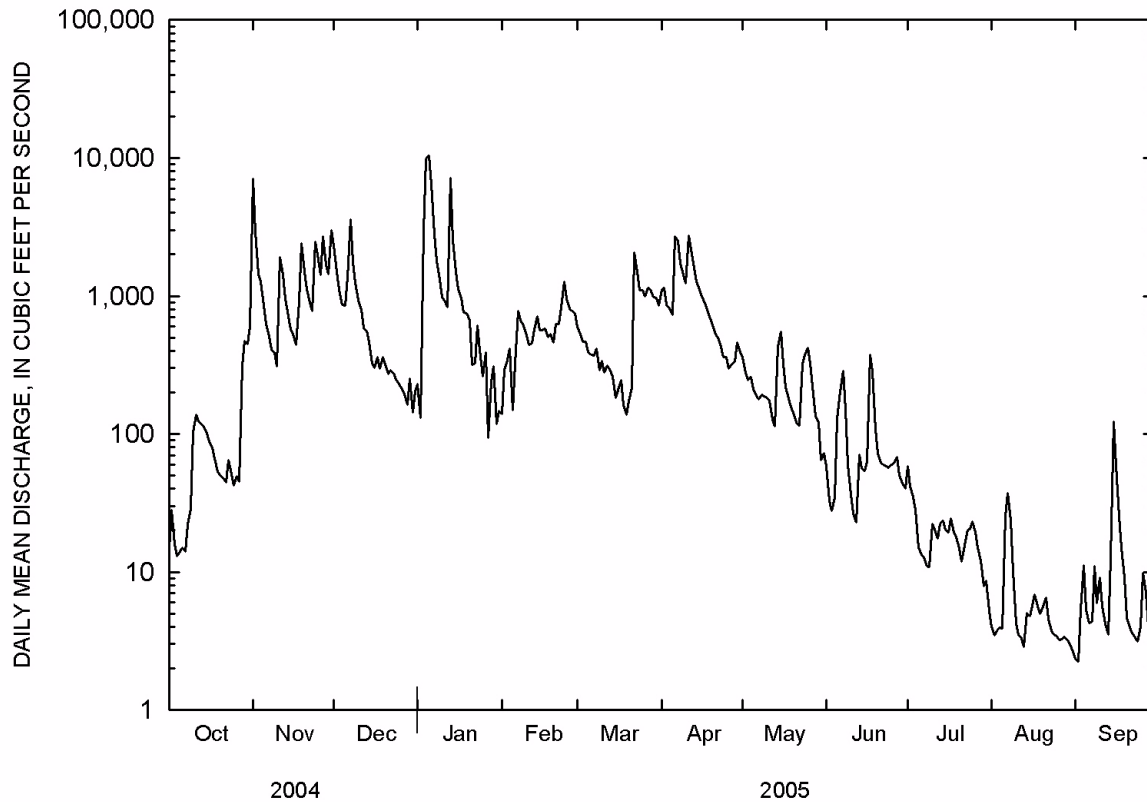
07048700 WHITE RIVER NEAR GOSHEN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	85.0	619	434	856	479	644	1770	774	300	392	47.8	27.2
MAX	133	1490	723	1851	581	739	3798	1582	487	1113	103	50.2
(WY)	2004	2005	2005	2005	2005	2004	2004	2003	2004	2004	2004	2003
MIN	13.2	13.0	191	202	380	596	477	224	90.3	19.5	6.72	13.1
(WY)	2003	2003	2003	2003	2004	2003	2003	2005	2005	2005	2005	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	303088		204576.0			
ANNUAL MEAN	828		560		534	
HIGHEST ANNUAL MEAN					708 2004	
LOWEST ANNUAL MEAN					334 2003	
HIGHEST DAILY MEAN	50200	Apr 24	10400	Jan 5	50200	Apr 24 2004
ANNUAL SEVEN-DAY MINIMUM	14	Sep 18	2.9	Aug 27	2.9	Aug 27 2005
MAXIMUM PEAK FLOW			17100	Jan 4	140000	Apr 24 2004
MAXIMUM PEAK STAGE			14.32	Jan 13	35.79	Apr 24 2004
ANNUAL RUNOFF (AC-FT)	601200		405800		387100	
10 PERCENT EXCEEDS	1490		1380		1050	
50 PERCENT EXCEEDS	357		219		218	
90 PERCENT EXCEEDS	23		5.3		12	

Estimated



WHITE RIVER BASIN

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07048700 WHITE RIVER NEAR GOSHEN--CONTINUED

WATER-QUALITY RECORDS

DRAINAGE AREA.--412 mi².

PERIOD OF RECORD.--1963, 1969-1995, April 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 2004												
02...	1330	80513	80020	7.0	.20	--	748	8.7	91	7.4	75	16.8
03...	1110	80513	80513	7.0	.20	--	747	9.8	99	7.0	75	15.0
03...	1111	80513	80513	7.0	.90	--	747	10.3	105	7.0	75	15.0
03...	1113	80513	80020	7.0	3.00	.18	747	10.4	106	7.0	75	15.0
03...	1114	80513	80513	7.0	4.70	--	747	9.9	101	7.0	76	15.0
03...	1115	80513	80513	7.0	6.70	--	747	9.7	99	7.0	75	15.0
10...	0915	80513	80020	--	--	--	748	8.7	84	7.9	128	13.1
JAN 2005												
04...	0945	80513	80020	--	--	--	751	8.9	84	7.7	89	12.3
11...	1438	80513	80513	12.0	.40	--	742	10.7	98	7.7	93	10.3
11...	1439	80513	80513	12.0	2.00	--	742	10.6	97	7.6	93	10.3
11...	1440	80513	80513	12.0	4.10	--	742	10.5	96	7.5	93	10.3
11...	1441	80513	80020	12.0	5.90	.61	742	10.5	96	7.6	93	10.3
11...	1442	80513	80513	12.0	8.30	--	742	10.4	96	7.5	93	10.3
11...	1443	80513	80513	12.0	10.2	--	742	10.4	95	7.5	93	10.3
11...	1444	80513	80513	12.0	12.3	--	742	10.4	95	7.5	93	10.3
18...	1440	80513	80020	--	--	--	756	11.5	91	7.6	101	5.0
MAR												
07...	1356	80513	80513	6.0	.40	--	760	10.4	98	7.7	130	12.2
07...	1357	80513	80513	6.0	1.10	--	760	10.6	99	7.8	131	12.2
07...	1358	80513	80513	6.0	2.10	--	760	10.5	98	7.8	130	12.2
07...	1359	80513	80020	6.0	3.00	.64	760	10.5	98	7.8	130	12.2
07...	1400	80513	80513	6.0	4.10	--	760	10.6	99	7.8	130	12.2
07...	1401	80513	80513	6.0	5.00	--	760	10.6	99	7.8	130	12.2
07...	1402	80513	80513	6.0	6.30	--	760	10.6	99	7.8	130	12.2
09...	1000	80513	80020	--	--	--	745	9.9	91	7.9	138	10.7
APR												
20...	1224	80513	80513	6.0	.40	--	746	9.0	99	7.5	103	19.0
20...	1225	80513	80513	6.0	1.00	--	746	8.8	97	7.5	103	19.0
20...	1226	80513	80513	6.0	2.10	--	746	8.7	96	7.5	103	19.0
20...	1227	80513	80020	6.0	3.10	.67	746	8.7	95	7.4	103	18.9
20...	1228	80513	80513	6.0	4.00	--	746	8.7	96	7.5	103	19.0
20...	1229	80513	80513	6.0	5.00	--	746	8.6	95	7.4	103	18.9
20...	1230	80513	80513	6.0	6.30	--	746	8.6	94	7.4	103	18.9
29...	0930	80513	80020	--	--	--	740	7.0	76	7.6	135	17.7
JUN												
22...	1500	80513	80020	--	--	--	751	8.6	115	8.6	202	29.9
29...	1605	80513	80513	4.0	.40	--	745	8.9	127	8.4	286	32.7
29...	1606	80513	80513	4.0	1.10	--	745	9.1	128	8.4	282	32.4
29...	1607	80513	80020	4.0	1.90	.91	745	8.9	125	8.3	278	32.1
29...	1608	80513	80513	4.0	3.00	--	745	9.6	130	8.4	256	29.9
29...	1609	80513	80513	4.0	4.00	--	745	8.0	106	8.0	248	28.7
AUG												
17...	1403	80513	80513	4.0	.20	--	744	6.2	82	7.2	316	28.6
17...	1404	80513	80513	4.0	1.10	--	744	6.1	81	7.2	316	28.6
17...	1405	80513	80020	4.0	2.00	.15	744	5.5	73	7.2	320	28.3
17...	1406	80513	80513	4.0	3.10	--	744	3.8	50	7.0	328	27.6
17...	1407	80513	80513	4.0	3.50	--	744	3.4	44	7.0	328	27.6
SEP												
01...	0730	80513	80020	--	--	--	748	5.2	65	7.8	292	25.5

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
NOV 2004													
02...	1330	2480	10	--	26	7.90	1.59	2.05	.2	1.89	12	2.14	<.1
03...	1113	--	--	65	29	8.97	1.70	--	--	--	--	2.20	<.1
10...	0915	293	30	--	43	13.9	2.15	1.78	.4	5.79	22	4.84	E.1
JAN 2005													
04...	0945	6250	10	--	32	10.2	1.62	1.93	.2	2.38	13	2.92	E.1
11...	1441	--	--	17	38	12.3	1.85	--	--	--	--	3.06	<.1
18...	1440	708	30	--	35	11.2	1.81	1.10	.2	2.94	15	2.79	<.1
MAR													
07...	1359	--	--	10	--	--	--	--	--	--	--	--	--
09...	1000	E291	30	--	48	15.6	2.21	1.40	.4	6.23	21	5.52	E.1
APR													
20...	1227	--	--	15	--	--	--	--	--	--	--	--	--
29...	0930	407	30	--	53	17.0	2.48	1.47	.3	4.38	15	3.61	E.1
JUN													
22...	1500	E60	30	--	76	25.2	3.09	2.75	.5	9.45	21	6.50	.1
29...	1607	--	--	8.9	--	--	--	--	--	--	--	--	--
AUG													
17...	1405	--	--	13	--	--	--	--	--	--	--	--	--
SEP													
01...	0730	2.4	30	--	90	29.7	3.80	4.81	1	21.0	32	18.4	.3

WHITE RIVER BASIN

07048700 WHITE RIVER NEAR GOSHEN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia +		Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite +		Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)
			org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)				nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)				
NOV 2004													
02...	5.3	50	.53	--	<.04	--	--	.69	--	<.008	--	--	E.01
03...	5.9	51	.39	.02	.018	3.39	.77	.768	.010	.003	.37	.034	.011
10...	12.7	73	.18	--	<.04	--	--	.96	--	E.004	--	--	<.02
JAN 2005													
04...	7.7	--	.83	--	<.04	--	--	.56	--	E.004	--	.141	.05
11...	9.4	53	.21	.06	.045	3.83	.86	.870	.016	.005	.16	--	E.003
18...	8.9	54	.63	--	<.04	--	--	.78	--	E.006	--	--	<.02
MAR													
07...	--	--	.24	.02	.013	2.24	.51	.510	.016	.005	.22	--	<.006
09...	14.2	76	.20	--	<.04	--	--	.50	--	<.008	--	--	<.02
APR													
20...	--	--	.18	.02	.014	1.77	.40	.402	.010	.003	.16	--	<.006
29...	12.5	--	.18	--	<.04	--	--	.34	--	<.008	--	--	<.02
JUN													
22...	18.9	--	.57	--	<.04	--	--	.30	--	E.004	--	--	<.02
29...	--	--	.63	--	E.009	1.48	.33	.342	.026	.008	--	--	<.006
AUG													
17...	--	--	.57	.05	.041	.615	.14	.148	.030	.009	.53	--	<.04
SEP													
01...	28.5	171	.57	--	<.04	--	--	<.06	--	<.008	--	--	<.02

Date	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo-phytin a, phyto-plank-ton, ug/L (62360)	E coli, m-TEC MF, col/ 100 mL (31633)	Fecal coli-form, M-FC col/ 100 mL (31625)	Fecal strep-tococci KF MF, col/ 100 mL (31673)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Iron, water, unfltrd recover-able, ug/L (01045)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
NOV 2004													
02...	E.02	.16	1.2	--	--	--	E380000	E1600	3900	--	--	--	89
03...	--	.085	1.2	2.1	3.6	1.3	--	960	--	.6	1500	145	--
10...	<.04	E.02	1.1	--	--	--	86	89	151	--	--	--	98
JAN 2005													
04...	.07	.21	1.4	--	--	--	4300	6600	7270	--	--	--	81
11...	--	.037	1.1	1.4	1.7	.3	--	E230	--	.4	560	71.9	--
18...	<.04	E.03	1.4	--	--	--	150	270	103	--	--	--	93
MAR													
07...	--	.029	.75	1.2	2.1	1.1	--	56	--	2.5	420	95.9	--
09...	<.04	<.04	.70	--	--	--	64	94	33	--	--	--	96
APR													
20...	--	.042	.58	1.2	2.9	1.0	--	49	--	2.4	630	97.3	--
29...	<.04	<.04	.52	--	--	--	50	88	33	--	--	--	98
JUN													
22...	<.04	.05	.86	--	--	--	52	E19	72	--	--	--	97
29...	--	.053	.97	3.2	4.9	4.9	--	E18	--	13.2	230	211	--
AUG													
17...	--	.027	.72	4.0	6.2	10.2	--	E490	--	18.2	540	374	--
SEP													
01...	<.04	.06	--	--	--	--	E6	E13	--	--	--	--	24

Date	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Sampler type, code (84164)
NOV 2004			
02...	131	877	3052
10...	27	21	8010
JAN 2005			
04...	195	3290	3052
18...	24	46	8010
MAR			
09...	11	--	8010
APR			
29...	7	7.7	8010
JUN			
22...	13	--	8010
SEP			
01...	62	.40	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

81

07048800 RICHLAND CREEK AT GOSHEN

LOCATION.--Lat 36°06'15", long 94°00'28", in NW₁/₄NW₁/₄ sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11110001, on upstream 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 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	1890	806	39	e75	146	190	77	25	8.8	1.8	0.71
2	2.7	713	593	41	e91	128	221	70	23	6.7	1.7	0.65
3	2.4	497	454	920	e98	116	173	65	21	6.0	2.2	2.6
4	2.1	524	357	2350	e111	107	152	64	20	5.8	2.2	4.6
5	1.9	325	387	2450	e98	98	137	59	22	5.6	2.5	1.5
6	1.9	197	647	1630	e98	89	511	57	31	5.9	6.2	1.00
7	2.1	145	1060	e925	e134	84	531	55	36	5.3	7.1	0.80
8	3.2	112	665	e555	e168	110	394	52	21	4.5	4.4	0.73
9	2.7	88	516	e341	e127	92	319	52	17	4.7	2.6	0.69
10	2.5	77	398	e204	115	83	269	52	15	4.3	2.2	0.63
11	3.2	972	311	e56	103	74	540	47	14	4.2	1.8	0.63
12	2.9	611	249	e320	100	69	522	42	12	3.8	1.6	0.71
13	2.7	378	194	e1750	141	63	387	38	15	3.5	1.5	0.71
14	3.1	248	156	e1180	151	59	313	52	12	3.7	1.4	1.4
15	2.9	185	131	e761	127	54	260	93	11	3.4	1.2	14
16	2.7	151	116	e339	115	51	224	68	12	3.2	1.4	5.5
17	2.7	125	103	e263	102	49	193	51	13	3.1	2.3	2.7
18	3.1	256	92	e198	95	47	171	40	12	3.3	2.2	1.6
19	3.2	539	83	e163	89	44	151	35	11	3.0	1.6	1.4
20	3.6	334	74	e148	87	42	135	31	9.9	3.3	1.9	1.4
21	3.6	233	68	e132	212	47	121	28	9.1	2.8	3.1	1.5
22	4.1	183	62	e111	199	676	111	25	8.9	2.7	1.8	1.4
23	4.9	161	55	e95	297	424	99	62	7.8	3.4	1.3	1.1
24	3.7	693	52	e87	411	265	88	222	7.7	3.8	1.2	1.1
25	3.6	607	48	e76	288	257	82	161	6.5	2.9	1.3	2.1
26	3.8	446	46	e81	226	229	82	81	5.9	2.6	1.5	1.1
27	4.3	760	44	e87	192	296	79	57	5.8	2.7	1.3	0.97
28	70	586	43	e87	174	309	84	43	5.7	2.6	1.3	1.0
29	81	618	42	e97	---	248	116	35	5.8	2.2	1.2	1.0
30	47	1030	41	e97	---	206	93	30	5.9	2.4	1.0	0.89
31	40	---	40	e91	---	174	---	27	---	2.0	0.73	---
TOTAL	319.8	13684	7933	15674	4224	4736	6748	1871	422.0	122.2	65.53	56.12
MEAN	10.3	456	256	506	151	153	225	60.4	14.1	3.94	2.11	1.87
MAX	81	1890	1060	2450	411	676	540	222	36	8.8	7.1	14
MIN	1.9	77	40	39	75	42	79	25	5.7	2.0	0.73	0.63
AC-FT	634	27140	15740	31090	8380	9390	13380	3710	837	242	130	111
CFSM	0.07	3.31	1.85	3.66	1.09	1.11	1.63	0.44	0.10	0.03	0.02	0.01
IN.	0.09	3.69	2.14	4.23	1.14	1.28	1.82	0.50	0.11	0.03	0.02	0.02

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN--CONTINUED

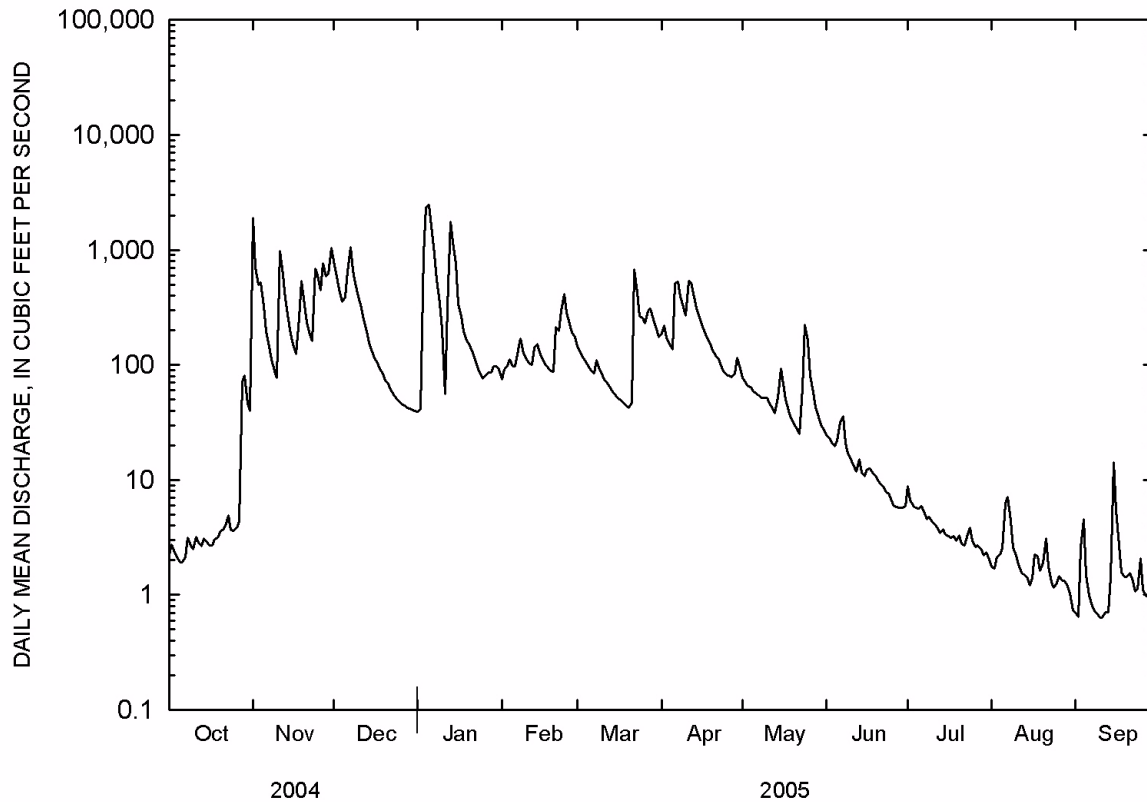
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	20.8	104	151	164	214	199	657	228	206	107	11.9	9.95
MAX	52.2	456	364	506	539	450	3130	566	728	478	40.8	32.3
(WY)	1999	2005	2002	2005	2001	2002	2004	1999	2000	2004	2002	2001
MIN	1.35	1.19	50.3	18.8	22.8	86.8	31.9	39.8	14.1	3.94	1.17	1.35
(WY)	2000	2000	2003	2000	2000	2000	2001	2001	2005	2005	2001	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	152587.9		55855.65			
ANNUAL MEAN	417		153		172	
HIGHEST ANNUAL MEAN					375 2004	
LOWEST ANNUAL MEAN					75.4 2003	
HIGHEST DAILY MEAN	76700	Apr 24	2450	Jan 5	76700	Apr 24 2004
LOWEST DAILY MEAN	1.9	Oct 5	0.63	Sep 10	0.43	Sep 7 2001
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 1	0.70	Sep 7	0.48	Sep 1 2001
MAXIMUM PEAK FLOW			4210	Nov 1	¹ 76700	Apr 24 2004
MAXIMUM PEAK STAGE			9.63	Nov 1	29.54	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.34	Sep 3	0.34	Sep 3 2005
ANNUAL RUNOFF (AC-FT)	302700		110800		124300	
ANNUAL RUNOFF (CFSM)	3.02		1.11		1.24	
ANNUAL RUNOFF (INCHES)	41.13		15.06		16.89	
10 PERCENT EXCEEDS	483		416		312	
50 PERCENT EXCEEDS	82		52		47	
90 PERCENT EXCEEDS	3.6		1.6		1.9	

¹Based on computation of contracted-opening indirect discharge measurement

^eEstimated



WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1980, 1984-85, April 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 2004	05...	80513	80020	1.9	30	2.1	748	3.8	9.4	107	7.7	245	20.5
NOV	01...	80513	80020	2420	10	220	740	.9	8.6	93	7.8	87	17.6
	03...	80513	80020	428	10	17	745	2.2	8.8	90	7.6	150	15.4
JAN 2005	04...	80513	80020	2170	10	240	751	1.9	9.2	86	7.5	104	11.8
	11...	80513	80020	E56	30	6.3	742	1.6	10.1	97	7.8	135	12.4
MAR	07...	80513	80020	90	30	2.3	759	.2	12.8	119	8.7	135	11.9
APR	18...	80513	80020	163	30	3.8	749	.2	12.5	134	8.6	123	17.9
JUN	28...	80513	80020	5.6	30	<2.0	745	.4	8.6	125	8.6	331	33.9
AUG	15...	80513	80020	1.1	30	5.4	746	.8	9.2	117	8.3	228	26.3

Date	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	ANC, wat unfltrd end pt, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)	Nitrate, water, fltrd, mg/L as N (00618)
OCT 2004	--	--	--	106	--	--	--	--	.17	--	E.007	--	--
NOV	--	--	--	28	--	--	--	--	1.0	--	E.007	4.86	1.10
	61	20.3	2.41	49	4.34	<.1	8.2	87	.24	--	E.007	17.3	3.90
JAN 2005	--	--	--	28	--	--	--	--	1.6	.04	.030	3.83	.86
	57	19.5	1.93	49	3.96	<.1	7.9	81	E.10	--	E.005	--	--
MAR	--	--	--	47	--	--	--	--	E.09	--	E.007	2.61	.59
APR	--	--	--	44	--	--	--	--	.12	.01	.011	2.00	.45
JUN	--	--	--	91	--	--	--	--	.30	.02	.013	.208	.05
AUG	--	--	--	78	--	--	--	--	.29	.02	.014	--	--

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC recover col/100 mL (31625)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, unfltrd recoverable, ug/L (01055)	
OCT 2004	.031	--	E.001	--	--	<.006	.013	.20	1.3	3.2	33	100	35.7	
NOV	1.10	.010	.003	--	.129	.042	.22	2.1	5.3	12.3	E140000	5210	649	
	3.90	.007	.002	--	.043	.014	.043	4.1	1.9	3.2	500	420	32.6	
JAN 2005	.868	.010	.003	1.6	.239	.078	.44	2.5	5.7	19.5	7800	6870	863	
	1.51	--	E.001	--	.018	.006	.019	--	1.1	1.4	110	160	16.0	
MAR	.592	.010	.003	--	--	<.006	.007	--	.9	1.3	47	70	12.3	
APR	.454	.007	.002	.11	--	<.030	.012	.57	1.5	1.0	26	150	18.5	
JUN	.049	.007	.002	.29	--	<.006	.021	.35	1.5	2.3	56	160	65.7	
AUG	15...	E.014	--	E.001	.28	--	<.04	.028	--	9.7	3.5	140	240	86.9

Date	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004	99	23	.12	3070
NOV	82	351	2290	3052
	91	43	50	3052
JAN 2005	42	1050	6160	3052
	89	26	--	8010
MAR	81	4	.97	3070
APR	85	6	2.6	3070
JUN	76	9	.14	3070
AUG	79	16	.05	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07048910 BEAVER LAKE AT HWY 412 BRIDGE NEAR SONORA

LOCATION.--Lat 36°10'00" long 94°00'26", in SE1/4SE1/4, sec.1, T. 17 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 68, 0.8 mi east of Sonora.

DRAINAGE AREA.--621 mi².

PERIOD OF RECORD.--May 1984 to September 1995, and April 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfiltered, uS/cm (00095)	Temperature, water, deg C (00010)
NOV 2004												
04...	1010	80513	80513	38.0	.50	--	753	8.1	82	7.1	96	15.3
04...	1011	80513	80020	38.0	6.10	.15	753	8.0	81	7.1	96	15.4
04...	1012	80513	80513	38.0	10.1	--	753	8.0	80	7.1	96	15.4
04...	1013	80513	80020	38.0	12.1	--	753	8.0	81	7.0	96	15.4
04...	1014	80513	80513	38.0	20.1	--	753	7.9	80	7.0	96	15.4
04...	1015	80513	80513	38.0	30.2	--	753	7.8	79	7.0	96	15.4
04...	1016	80513	80020	38.0	32.2	--	753	7.8	79	7.0	96	15.4
04...	1017	80513	80513	38.0	38.1	--	753	7.8	79	7.0	96	15.4
JAN 2005												
10...	1536	80513	80513	41.0	.30	--	748	10.9	91	7.7	88	7.1
10...	1537	80513	80020	41.0	6.10	.61	748	11.0	92	7.6	88	6.9
10...	1538	80513	80513	41.0	10.2	--	748	11.0	92	7.6	88	6.9
10...	1539	80513	80513	41.0	20.1	--	748	10.9	91	7.6	90	6.8
10...	1540	80513	80513	41.0	30.2	--	748	10.7	89	7.5	97	6.8
10...	1541	80513	80513	41.0	40.1	--	748	10.7	90	7.5	99	6.8
10...	1542	80513	80513	41.0	40.9	--	748	10.7	89	7.5	98	6.8
MAR												
09...	1230	80513	80513	40.0	.60	--	749	10.5	95	7.5	125	10.4
09...	1231	80513	80020	40.0	6.10	.76	749	10.2	93	7.5	124	10.3
09...	1232	80513	80513	40.0	10.1	--	749	10.2	93	7.5	125	10.3
09...	1233	80513	80513	40.0	20.1	--	749	10.0	90	7.4	123	10.2
09...	1234	80513	80513	40.0	30.1	--	749	9.8	88	7.3	122	10.0
09...	1235	80513	80513	40.0	40.3	--	749	8.4	74	7.1	139	9.5
APR												
20...	1011	80513	80513	38.0	.30	--	747	9.1	97	7.7	109	17.6
20...	1012	80513	80020	38.0	6.10	1.00	747	8.9	95	7.6	110	17.3
20...	1013	80513	80513	38.0	10.1	--	747	8.8	93	7.6	111	17.1
20...	1014	80513	80020	38.0	12.1	--	747	8.2	86	7.4	108	16.5
20...	1016	80513	80513	38.0	13.1	--	747	7.4	76	7.2	110	15.5
20...	1017	80513	80513	38.0	15.1	--	747	6.8	69	7.2	117	14.5
20...	1018	80513	80513	38.0	18.1	--	747	6.4	63	7.2	119	13.7
20...	1019	80513	80513	38.0	20.0	--	747	5.9	57	7.2	121	13.4
20...	1020	80513	80513	38.0	27.1	--	747	4.9	47	7.2	131	12.4
20...	1021	80513	80513	38.0	30.0	--	747	4.5	42	7.2	134	12.2
20...	1022	80513	80020	38.0	33.1	--	747	4.4	41	7.1	136	12.0
20...	1023	80513	80513	38.0	38.5	--	747	4.1	38	7.1	137	11.9
JUN												
30...	1425	80513	80513	36.0	.40	--	746	7.7	107	8.5	181	31.2
30...	1427	80513	80513	36.0	3.20	--	746	8.0	107	8.5	179	30.3
30...	1428	80513	80020	36.0	6.10	1.30	746	7.0	94	8.4	184	29.8
30...	1429	80513	80513	36.0	9.00	--	746	4.0	53	7.5	169	28.8
30...	1430	80513	80513	36.0	10.2	--	746	1.5	20	6.9	174	28.2
30...	1431	80513	80020	36.0	12.1	--	746	.3	4	6.8	178	27.8
30...	1432	80513	80513	36.0	15.1	--	746	.2	2	6.7	200	26.9
30...	1433	80513	80513	36.0	18.1	--	746	.1	2	6.6	219	25.9
30...	1434	80513	80513	36.0	20.1	--	746	.1	2	6.6	224	25.4
30...	1435	80513	80513	36.0	22.3	--	746	.1	2	6.6	226	24.6
30...	1436	80513	80513	36.0	23.9	--	746	.1	2	6.6	227	23.6
30...	1437	80513	80513	36.0	25.1	--	746	.1	1	6.6	221	21.6
30...	1438	80513	80513	36.0	26.3	--	746	.1	1	6.6	218	20.2
30...	1439	80513	80513	36.0	27.2	--	746	.1	1	6.5	208	18.4
30...	1440	80513	80513	36.0	28.2	--	746	.1	1	6.5	206	17.6
30...	1441	80513	80020	36.0	30.1	--	746	.1	1	6.5	206	16.8
30...	1442	80513	80513	36.0	35.7	--	746	.1	1	6.5	213	16.2
AUG												
17...	1126	80513	80513	32.0	.40	--	744	7.4	99	8.1	178	29.3
17...	1128	80513	80020	32.0	6.10	.91	744	6.1	82	7.7	178	29.0
17...	1129	80513	80513	32.0	10.3	--	744	3.9	52	7.2	197	28.7
17...	1130	80513	80020	32.0	12.2	--	744	3.2	42	7.2	200	28.4
17...	1131	80513	80513	32.0	18.1	--	744	.4	5	6.9	215	27.5
17...	1132	80513	80513	32.0	20.0	--	744	.2	2	6.8	228	26.4
17...	1135	80513	80513	32.0	21.1	--	744	.1	2	6.8	239	25.2
17...	1136	80513	80513	32.0	22.2	--	744	.1	2	6.8	248	24.2
17...	1137	80513	80513	32.0	23.2	--	744	.1	2	6.8	260	23.0
17...	1138	80513	80513	32.0	25.1	--	744	.1	2	6.8	268	22.1
17...	1139	80513	80020	32.0	26.2	--	744	.1	2	6.8	275	21.7
17...	1140	80513	80513	32.0	29.0	--	744	.1	2	6.8	283	20.8
17...	1141	80513	80513	32.0	30.1	--	744	.1	2	6.8	286	20.1
17...	1142	80513	80513	32.0	31.7	--	744	.1	2	6.8	296	19.4

WHITE RIVER BASIN

07048910 BEAVER LAKE AT HWY 412 BRIDGE NEAR SONORA--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
NOV 2004													
04...	1011	79	37	12.0	1.67	2.66	<.1	7.3	63	.43	.04	.028	4.07
04...	1013	78	39	12.8	1.76	2.66	E.1	7.3	55	.45	.04	.028	4.07
04...	1016	78	39	12.8	1.78	2.65	<.1	7.3	60	.44	.03	.027	4.06
JAN 2005													
10...	1537	26	39	13.0	1.66	2.74	<.1	6.9	58	.21	.02	.018	4.94
MAR													
09...	1231	9.8	--	--	--	--	--	--	--	.28	--	E.005	2.51
APR													
20...	1012	9.9	--	--	--	--	--	--	--	.20	--	<.010	2.01
20...	1014	12	--	--	--	--	--	--	--	.16	.01	.010	2.06
20...	1022	19	--	--	--	--	--	--	--	.20	.03	.025	3.39
JUN													
30...	1428	7.7	--	--	--	--	--	--	--	.34	--	<.010	--
30...	1431	5.6	--	--	--	--	--	--	--	.29	--	E.006	--
30...	1441	12	--	--	--	--	--	--	--	1.1	.97	.755	--
AUG													
17...	1128	8.8	--	--	--	--	--	--	--	.30	--	E.006	--
17...	1130	6.9	--	--	--	--	--	--	--	.39	.03	.025	--
17...	1139	47	--	--	--	--	--	--	--	2.2	2.02	1.56	--

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC col/ 100 mL (31625)
NOV 2004													
04...	.92	.924	.016	.005	.41	.037	.012	.105	1.4	2.8	5.4	2.8	E1100
04...	.92	.923	.013	.004	.42	.040	.013	.103	1.4	2.8	5.3	--	--
04...	.92	.921	.013	.004	.41	.040	.013	.125	1.4	2.9	5.0	--	--
JAN 2005													
10...	1.12	1.12	.010	.003	.19	.021	.007	.044	1.3	1.9	2.7	.4	E260
MAR													
09...	.57	.573	.020	.006	--	--	<.006	.018	.85	1.1	2.1	1.6	<1
APR													
20...	.46	.459	.013	.004	--	--	<.030	.029	.65	1.2	2.4	1.5	E8
20...	.47	.470	.013	.004	.15	--	<.006	.035	.63	1.6	2.1	--	--
20...	.77	.772	.023	.007	.17	--	E.003	.038	.97	1.7	2.8	--	--
JUN													
30...	--	<.016	--	<.002	--	--	<.030	.036	--	2.8	4.7	4.6	E2
30...	--	<.016	--	<.002	--	--	<.030	.039	--	2.3	4.5	--	--
30...	--	<.016	--	E.001	.31	--	E.026	.066	--	2.4	6.0	--	--
AUG													
17...	--	<.016	--	E.001	--	--	<.04	.035	--	2.8	4.3	3.5	38
17...	--	E.008	--	E.001	.36	--	<.04	.037	--	2.5	5.2	--	--
17...	--	<.016	.010	.003	.67	--	E.01	.101	--	3.4	5.5	--	--

Date	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, unfltrd recover able, ug/L (01045)	Mangan- ese, water, unfltrd recover able, ug/L (01055)
NOV 2004			
04...		1.8	1760
04...		--	2010
04...		--	1690
JAN 2005			
10...	.4	500	49.9
MAR			
09...	4.8	270	88.5
APR			
20...	6.5	310	73.4
20...	--	340	73.9
20...	--	500	201
JUN			
30...	13.9	170	69.0
30...	--	230	97.6
30...	--	2780	2800
AUG			
17...	10.6	240	82.8
17...	--	240	127
17...	--	5310	5390

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07049000 WAR EAGLE CREEK NEAR HINDSVILLE

LOCATION.--Lat 36°12'00", long 93°51'18", 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 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 NGVD of 1929. Prior to Oct. 1, 1964, at datum 2.00 ft higher. Prior to Jan. 1, 1965, at same site on right bank.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. 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 ft³/s).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	3720	1860	98	218	351	334	170	65	68	13	12
2	11	2220	1000	100	218	314	342	152	59	84	12	12
3	11	819	707	803	236	291	311	137	54	52	12	12
4	11	872	556	e2860	284	273	288	128	49	43	12	13
5	10	557	513	e3840	319	255	272	120	50	33	12	12
6	10	407	913	e2770	303	237	886	113	48	33	24	11
7	11	321	2140	e1360	359	230	893	106	56	75	28	11
8	36	256	1270	e898	422	257	676	101	48	40	49	10
9	39	209	845	e666	380	248	557	95	44	28	27	11
10	20	180	647	e580	350	230	472	92	39	23	18	11
11	18	1620	509	610	316	215	902	96	40	20	e16	10
12	36	1080	428	558	299	200	1090	88	41	18	e14	9.9
13	37	605	367	4570	368	189	711	79	43	17	13	9.8
14	45	428	308	1840	418	179	567	98	38	17	12	11
15	44	336	270	1090	369	171	473	160	35	16	13	39
16	39	280	246	808	343	163	407	146	34	16	13	35
17	36	240	226	657	310	159	354	116	34	16	13	21
18	34	252	208	563	285	155	316	100	38	16	21	15
19	30	1020	191	503	269	150	287	87	35	17	16	13
20	27	592	177	458	260	145	262	78	33	16	15	12
21	24	427	167	417	296	145	241	71	34	15	16	11
22	22	348	155	376	430	751	226	65	29	15	13	11
23	33	301	143	329	403	729	211	97	36	14	12	11
24	37	1080	132	302	726	504	189	183	35	13	12	11
25	31	1160	123	289	560	448	174	339	32	13	12	11
26	30	712	118	274	474	428	175	217	28	13	12	11
27	34	853	113	255	421	441	169	153	25	14	12	10
28	300	752	109	238	389	533	168	122	23	15	12	10
29	535	632	109	235	---	481	215	102	26	15	12	10
30	263	2150	107	236	---	423	198	84	26	14	11	9.5
31	207	---	102	227	---	366	---	72	---	13	11	---
TOTAL	2032	24429	14759	28810	10025	9661	12366	3767	1177	802	488	396.2
MEAN	65.5	814	476	929	358	312	412	122	39.2	25.9	15.7	13.2
MAX	535	3720	2140	4570	726	751	1090	339	65	84	49	39
MIN	10	180	102	98	218	145	168	65	23	13	11	9.5
AC-FT	4030	48450	29270	57140	19880	19160	24530	7470	2330	1590	968	786

WHITE RIVER BASIN

07049000 WAR EAGLE CREEK NEAR HINDSVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-70, 1999-05, BY WATER YEAR (WY)

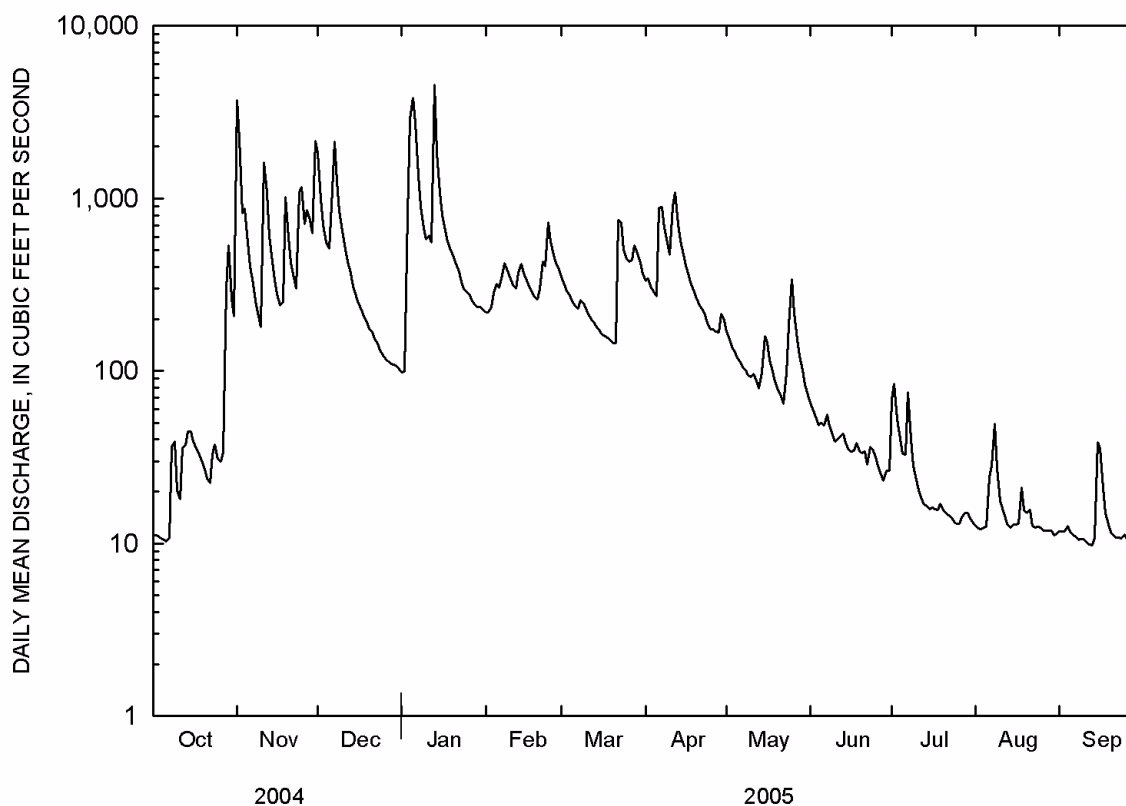
MEAN	108	186	254	239	362	477	645	615	225	136	61.6	46.7
MAX	849	820	1026	929	1208	1228	2254	2582	1274	795	524	344
(WY)	1968	1969	1969	2005	2001	1968	1957	1957	2000	1960	1958	1970
MIN	3.72	7.21	8.03	7.81	15.9	62.0	92.4	75.5	23.3	2.63	1.49	2.29
(WY)	1957	1964	1964	1964	1964	1967	2001	2001	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1952-70, 1999-05	
ANNUAL TOTAL	136057		108712.2			
ANNUAL MEAN	372		298		279	
HIGHEST ANNUAL MEAN					641 1957	
LOWEST ANNUAL MEAN					47.7 1954	
HIGHEST DAILY MEAN	15900	Apr 24	4570	Jan 13	19000	May 23 1957
LOWEST DAILY MEAN	10	Sep 20	9.5	Sep 30	0.20	Aug 18 1954
ANNUAL SEVEN-DAY MINIMUM	10	Sep 17	10	Sep 24	0.33	Aug 13 1954
MAXIMUM PEAK FLOW			8610	Nov 1	¹ 49000	Nov 19 1985
MAXIMUM PEAK STAGE			12.35	Nov 1	¹ 28.49	Nov 19 1985
INSTANTANEOUS LOW FLOW			9.3	Sep 30	0.20	² Aug 18 1954
ANNUAL RUNOFF (AC-FT)	269900		215600		202300	
10 PERCENT EXCEEDS	707		711		573	
50 PERCENT EXCEEDS	143		143		78	
90 PERCENT EXCEEDS	15		12		10	

¹Occurred during computation of annual maximum only, water years 1985-98

²Also August 19, 1954

^eEstimated



WHITE RIVER BASIN

07049000 WAR EAGLE CREEK NEAR HINDSVILLE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-55, 1994-95, and April 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)
OCT 2004													
05...	1045	80513	80020	10	30	3.6	748	4.2	8.9	96	7.7	327	17.8
NOV													
02...	1115	80513	80020	1800	10	74	746	5.8	9.0	94	7.8	112	16.7
03...	0925	80513	80020	2010	10	34	746	1.5	9.5	97	7.8	134	15.1
JAN 2005													
04...	1230	80513	80020	1720	10	210	750	1.1	9.6	91	7.8	116	12.0
11...	1250	80513	80020	610	30	9.2	744	1.9	10.2	94	7.8	153	10.9
MAR													
08...	0815	80513	80020	251	30	3.3	746	.8	9.9	88	8.1	164	9.5
APR													
19...	0800	80513	80020	294	30	5.9	746	2.1	8.5	89	7.7	149	16.4
JUN													
28...	1330	80513	80020	23	30	<2.0	747	1.8	6.7	87	8.1	184	27.4
AUG													
15...	1330	80513	80020	13	30	3.2	745	3.2	7.5	95	7.8	394	26.1

Date	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltr mg/L (70300)	Ammonia org-N, water, unfltrd as N mg/L (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, as N mg/L (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, as N mg/L (00618)
OCT 2004													
05...	--	--	--	96	--	--	--	--	.15	.02	.019	5.47	1.24
NOV													
02...	--	--	--	180	--	--	--	--	.60	.02	.016	5.28	1.19
03...	54	18.7	1.75	48	5.12	<.1	4.6	79	.36	.02	.014	6.92	1.56
JAN 2005													
04...	--	--	--	38	--	--	--	--	1.4	.02	.018	6.08	1.37
11...	66	23.7	1.66	58	5.29	<.1	5.5	89	.13	--	E.007	8.43	1.91
MAR													
08...	--	--	--	58	--	--	--	--	.12	.02	.014	4.10	.93
APR													
19...	--	--	--	56	--	--	--	--	.12	--	E.005	3.13	.71
JUN													
28...	--	--	--	110	--	--	--	--	.24	.02	.016	4.01	.91
AUG													
15...	--	--	--	99	--	--	--	--	.34	.07	.057	1.81	.41

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, as N mg/L (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, unfltrd recoverable, ug/L (01055)
OCT 2004													
05...	1.24	.020	.006	.13	.018	.006	.019	1.4	1.1	3.1	E80	200	88.6
NOV													
02...	1.20	.013	.004	.58	.071	.023	.138	1.8	4.3	7.2	2400	1840	188
03...	1.57	.010	.003	.35	.071	.023	.078	1.9	2.4	4.4	640	1000	--
JAN 2005													
04...	1.38	.010	.003	1.3	.135	.044	.30	2.7	3.9	15.5	5600	3560	504
11...	1.91	.007	.002	--	.052	.017	.038	2.0	1.4	1.6	140	310	33.0
MAR													
08...	.931	.013	.004	.11	--	<.006	.018	1.1	1.1	1.3	73	160	23.4
APR													
19...	.709	.007	.002	--	--	<.006	.036	.83	1.0	1.7	97	330	46.4
JUN													
28...	.914	.023	.007	.22	.018	.006	.043	1.1	1.7	1.9	25	150	64.9
AUG													
15...	.414	.020	.006	.28	--	<.04	.035	.75	2.7	3.0	22	160	111

Date	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004				
05...	94	54	1.5	3070
NOV				
02...	88	133	646	3052
03...	95	61	331	3052
JAN 2005				
04...	78	454	2110	3052
11...	89	38	63	8010
MAR				
08...	85	8	5.4	3070
APR				
19...	91	13	10	3070
JUN				
28...	87	9	.56	3070
AUG				
15...	80	8	.28	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

89

07049200 BEAVER LAKE NEAR LOWELL

LOCATION.--Lat 36°15'33", long 94°04'08", in NW1/4NE1/4 sec.4, T.18 N., R.29 W., Benton County, Hydrologic Unit 11010001, on Beaver Lake, 3.3 mi east of Lowell.

DRAINAGE AREA.--993 mi².

PERIOD OF RECORD.--April 1977 to September 1995, April 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 2004												
02...	0946	80513	80513	74.0	.70	--	750	5.5	60	7.4	162	19.1
02...	0947	80513	80020	74.0	6.10	.91	750	5.5	61	7.4	162	19.2
02...	0948	80513	80513	74.0	10.1	--	750	5.3	58	7.3	162	19.2
02...	0949	80513	80513	74.0	20.1	--	750	5.0	55	7.3	162	19.2
02...	0950	80513	80020	74.0	23.9	--	750	5.0	55	7.3	162	19.1
02...	0951	80513	80513	74.0	30.2	--	750	5.0	54	7.3	162	19.2
02...	0952	80513	80513	74.0	40.1	--	750	5.0	54	7.3	162	19.2
02...	0953	80513	80513	74.0	50.2	--	750	5.0	55	7.3	161	19.1
02...	0954	80513	80513	74.0	60.0	--	750	4.5	49	7.3	163	19.1
02...	0956	80513	80513	74.0	65.0	--	750	1.5	16	7.1	175	18.6
02...	0957	80513	80513	74.0	65.9	--	750	.2	3	7.1	191	17.6
02...	1000	80513	80020	74.0	66.7	--	750	.2	2	7.1	161	17.2
02...	1002	80513	80513	74.0	70.5	--	750	.3	3	7.1	216	15.8
02...	1003	80513	80513	74.0	73.6	--	750	.2	2	7.1	221	15.5
JAN 2005												
12...	0902	80513	80513	81.0	.60	--	739	9.8	89	7.6	106	10.1
12...	0904	80513	80020	81.0	6.10	.30	739	9.8	89	7.6	106	10.1
12...	0905	80513	80513	81.0	10.0	--	739	9.7	88	7.6	106	10.0
12...	0906	80513	80513	81.0	20.3	--	739	9.6	87	7.5	107	9.8
12...	0912	80513	80513	81.0	30.9	--	739	9.8	87	7.5	120	8.7
12...	0913	80513	80513	81.0	40.4	--	739	9.9	85	7.6	127	7.8
12...	0914	80513	80513	81.0	50.4	--	739	9.9	85	7.6	129	7.5
12...	0915	80513	80513	81.0	60.3	--	739	9.8	84	7.6	129	7.5
12...	0916	80513	80513	81.0	70.2	--	739	9.8	85	7.5	129	7.5
12...	0918	80513	80513	81.0	81.5	--	739	9.9	85	7.5	130	7.5
MAR												
09...	0816	80513	80513	74.0	.50	--	747	11.1	99	7.6	140	9.7
09...	0817	80513	80020	74.0	6.10	1.50	747	10.8	97	7.6	140	9.7
09...	0818	80513	80513	74.0	10.1	--	747	10.6	95	7.6	140	9.7
09...	0819	80513	80513	74.0	20.1	--	747	10.4	92	7.5	132	9.1
09...	0820	80513	80513	74.0	30.2	--	747	10.1	88	7.4	131	8.8
09...	0821	80513	80513	74.0	40.2	--	747	9.9	86	7.4	134	8.5
09...	0822	80513	80513	74.0	50.1	--	747	9.5	83	7.3	131	8.3
09...	0823	80513	80513	74.0	60.1	--	747	8.7	75	7.2	125	8.0
09...	0824	80513	80513	74.0	70.1	--	747	8.0	68	7.1	125	7.9
09...	0825	80513	80513	74.0	73.8	--	747	7.3	63	7.0	126	7.9
APR												
20...	0732	80513	80513	75.0	.60	--	746	9.1	97	7.8	125	17.4
20...	0733	80513	80020	75.0	6.10	1.40	746	8.9	94	7.7	125	17.2
20...	0734	80513	80513	75.0	10.1	--	746	8.7	92	7.7	126	16.9
20...	0735	80513	80513	75.0	13.1	--	746	8.8	92	7.6	127	16.5
20...	0736	80513	80513	75.0	14.1	--	746	8.8	92	7.6	128	16.2
20...	0737	80513	80513	75.0	15.2	--	746	8.7	86	7.6	138	14.1
20...	0738	80513	80513	75.0	20.0	--	746	8.2	79	7.5	142	13.1
20...	0739	80513	80020	75.0	24.1	--	746	7.9	76	7.5	140	12.7
20...	0740	80513	80513	75.0	29.1	--	746	7.8	73	7.5	138	11.6
20...	0741	80513	80513	75.0	30.2	--	746	7.7	72	7.5	137	11.3
20...	0742	80513	80513	75.0	40.1	--	746	7.6	70	7.4	134	10.5
20...	0743	80513	80513	75.0	50.2	--	746	7.4	67	7.4	131	10.0
20...	0744	80513	80513	75.0	60.2	--	746	6.9	62	7.3	130	9.8
20...	0745	80513	80020	75.0	70.1	--	746	6.3	57	7.3	130	9.7
20...	0746	80513	80513	75.0	75.4	--	746	6.0	54	7.3	130	9.7
JUN 2005												
29...	0927	80513	80513	74.0	.20	--	746	8.6	115	8.8	136	29.3
29...	0929	80513	80020	74.0	6.10	1.80	746	8.8	117	8.8	136	29.3
29...	0930	80513	80513	74.0	10.2	--	746	8.9	119	8.8	136	29.2
29...	0932	80513	80513	74.0	10.9	--	746	8.6	114	8.8	136	29.2
29...	0933	80513	80513	74.0	14.3	--	746	9.3	121	8.8	142	28.0
29...	0934	80513	80513	74.0	15.1	--	746	8.6	111	8.6	144	27.3
29...	0935	80513	80513	74.0	16.2	--	746	7.7	98	8.4	147	26.4
29...	0936	80513	80513	74.0	18.4	--	746	4.7	59	7.5	156	25.2
29...	0937	80513	80513	74.0	20.2	--	746	3.6	44	7.2	159	24.5
29...	0938	80513	80513	74.0	23.0	--	746	.3	4	6.9	166	23.4
29...	0939	80513	80020	74.0	24.1	--	746	.2	2	6.8	167	22.1
29...	0940	80513	80513	74.0	25.3	--	746	.1	2	6.7	170	20.9
29...	0941	80513	80513	74.0	26.2	--	746	.1	2	6.7	172	20.0
29...	0942	80513	80513	74.0	27.1	--	746	.1	2	6.7	173	19.9
29...	0943	80513	80513	74.0	29.0	--	746	.1	1	6.6	171	18.8
29...	0944	80513	80513	74.0	30.1	--	746	.1	1	6.6	168	17.7
29...	0945	80513	80513	74.0	32.0	--	746	.1	1	6.5	164	16.7
29...	0946	80513	80513	74.0	35.1	--	746	.1	1	6.4	155	15.2
29...	0956	80513	80513	74.0	38.3	--	746	.1	1	6.4	152	14.2
29...	0957	80513	80513	74.0	40.1	--	746	.1	.0	6.4	153	13.6
29...	0958	80513	80513	74.0	45.0	--	746	.1	1	6.4	152	12.3
29...	0959	80513	80513	74.0	50.1	--	746	.1	.0	6.3	151	11.4
29...	1000	80513	80513	74.0	60.1	--	746	.1	1	6.3	150	10.6
29...	1002	80513	80020	74.0	68.2	--	746	.1	.0	6.3	151	10.3
29...	1003	80513	80513	74.0	70.3	--	746	.1	.0	6.3	152	10.3
29...	1004	80513	80513	74.0	74.0	--	746	.1	.0	6.3	152	10.3

WHITE RIVER BASIN

07049200 BEAVER LAKE NEAR LOWELL--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)
AUG 2005												
17...	0846	80513	80513	70.0	.40	--	744	5.9	78	7.5	156	28.9
17...	0848	80513	80020	70.0	6.30	2.40	744	5.9	79	7.6	155	28.9
17...	0849	80513	80513	70.0	10.1	--	744	5.8	77	7.6	155	28.9
17...	0850	80513	80513	70.0	20.1	--	744	4.1	54	7.1	157	28.6
17...	0851	80513	80513	70.0	22.1	--	744	.3	4	6.7	166	28.0
17...	0852	80513	80513	70.0	23.1	--	744	.2	3	6.7	182	27.2
17...	0853	80513	80020	70.0	24.2	--	744	.2	2	6.7	187	26.6
17...	0854	80513	80513	70.0	26.2	--	744	.2	2	6.7	194	25.6
17...	0855	80513	80513	70.0	28.1	--	744	.1	2	6.7	199	24.6
17...	0856	80513	80513	70.0	29.1	--	744	.1	2	6.7	203	23.2
17...	0857	80513	80513	70.0	30.2	--	744	.1	2	6.7	203	22.6
17...	0858	80513	80513	70.0	31.1	--	744	.1	2	6.7	203	21.8
17...	0859	80513	80513	70.0	33.0	--	744	.1	1	6.7	198	20.4
17...	0900	80513	80513	70.0	35.1	--	744	.1	1	6.7	196	19.5
17...	0901	80513	80513	70.0	37.0	--	744	.1	1	6.7	191	18.1
17...	0902	80513	80513	70.0	40.3	--	744	.1	1	6.6	185	16.9
17...	0903	80513	80513	70.0	43.1	--	744	.1	1	6.6	183	15.7
17...	0904	80513	80513	70.0	46.2	--	744	.1	1	6.5	181	14.9
17...	0905	80513	80513	70.0	48.2	--	744	.1	.0	6.5	180	14.2
17...	0906	80513	80513	70.0	50.1	--	744	.1	1	6.5	175	13.4
17...	0907	80513	80513	70.0	54.1	--	744	.1	1	6.5	172	12.3
17...	0908	80513	80513	70.0	58.1	--	744	.1	.0	6.4	170	11.6
17...	0909	80513	80513	70.0	60.2	--	744	.1	.0	6.4	169	11.4
17...	0910	80513	80020	70.0	63.1	--	744	.1	.0	6.4	169	11.2
17...	0911	80513	80513	70.0	69.5	--	744	.1	.0	6.5	172	11.1

Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
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NOV 2004													
02...	0947	7.3	73	25.8	2.18	4.59	E.1	7.0	84	.32	.10	.080	.478
02...	0950	7.3	73	25.6	2.17	4.60	E.1	6.9	85	.31	.10	.078	.487
02...	1000	9.8	74	26.1	2.18	4.48	<.1	6.6	95	.35	.15	.118	.496
JAN 2005													
12...	0904	57	46	16.0	1.56	3.46	<.1	6.5	72	.41	.06	.047	4.53
MAR 09...	0817	4.5	--	--	--	--	--	--	--	.21	.03	.025	4.81
APR 20...	0733	4.5	--	--	--	--	--	--	--	.21	--	E.006	2.10
20...	0739	3.3	--	--	--	--	--	--	--	.17	.03	.020	3.96
20...	0745	14	--	--	--	--	--	--	--	.16	.02	.013	5.00

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheophytin a, phyto-plankton, ug/L (62360)	Fecal coliform, M-FC col/100 mL (31625)
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NOV 2004													
02...	.11	.115	.023	.007	.24	--	<.006	.022	.44	2.2	3.2	3.7	E11
02...	.11	.117	.023	.007	.23	--	<.006	.019	.43	2.2	3.5	--	--
02...	.11	.119	.023	.007	.24	--	<.006	.021	.47	2.2	4.6	--	--
JAN 2005													
12...	1.02	1.03	.016	.005	.36	.031	.010	.102	1.4	3.6	4.5	1.2	E210
MAR 09...	1.09	1.10	.056	.017	.19	--	<.006	.020	1.3	3.8	3.1	3.7	23
APR 20...	.47	.481	.020	.006	--	--	<.030	.024	.69	3.2	2.8	.6	<1
20...	.89	.899	.016	.005	.15	--	<.030	.016	1.1	1.6	2.5	--	--
20...	1.13	1.14	.020	.006	.15	--	<.030	.026	1.3	1.7	2.5	--	--

Date	Chlorophyll a phyto-plankton, ug/L (70953)	Iron, water, unfltrd recover-able, ug/L (01045)	Manganese, water, unfltrd recover-able, ug/L (01055)
NOV 2004			
02...	4.7	230	252
02...	--	220	249
02...	--	320	441
JAN 2005			
12...	.9	940	69.1
MAR 09...	9.6	80	33.0
APR 20...	2.8	110	12.6
20...	--	70	16.4
20...	--	330	117

WHITE RIVER BASIN

07049200 BEAVER LAKE NEAR LOWELL--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Ammonia			Nitrate			Nitrite		Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
			+ org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)			
JUN 2005													
29...	0929	<2.0	.23	--	<.010	--	--	E.015	.010	.003	--	<.030	.010
29...	0939	2.9	.34	.17	.129	.642	.15	.160	.049	.015	.21	<.030	.017
29...	1002	5.2	.31	.22	.173	3.15	.71	.732	.069	.021	.14	<.030	.019
AUG													
17...	0848	<2.0	.20	.03	.021	--	--	<.016	--	E.001	.18	<.04	.010
17...	0853	8.5	.30	.10	.079	--	--	<.016	--	<.002	.22	<.04	.017
17...	0910	13	.81	.75	.580	--	--	<.016	--	E.001	.23	<.04	.069

Date	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, unfltrd recover able, ug/L (01045)	Mangan- ese, water, unfltrd recover able, ug/L (01055)
	JUN 2005							
29...	--	2.5	2.7	1.9	<1	5.4	20	6.8
29...	.50	1.5	2.2	--	--	--	60	155
29...	1.0	1.3	2.1	--	--	--	320	1180
AUG								
17...	--	2.5	2.9	1.4	<1	2.8	20	40.9
17...	--	2.2	4.1	--	--	--	490	1810
17...	--	2.2	3.5	--	--	--	1510	1890

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS

LOCATION.--Lat 36°19'56", long 94°01'08", in SE1/4NW1/4 sec.12, T.19 N., R.29 W., Benton County, Hydrologic Unit 11010001, at bridge on State Highway 12, 5.1 mi east of Rogers.

DRAINAGE AREA.--1,020 mi².

PERIOD OF RECORD.--Water years 1950, 1952, 1954, 1959-60, 1963, December 1975 to August 1995, April 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 2004												
04...	0739	80513	80513	107	.50	--	750	6.0	65	7.3	144	18.4
04...	0740	80513	80020	107	6.00	1.50	750	5.8	63	7.3	144	18.4
04...	0741	80513	80513	107	10.2	--	750	5.8	63	7.3	145	18.4
04...	0743	80513	80513	107	20.1	--	750	5.8	63	7.3	144	18.5
04...	0744	80513	80020	107	30.3	--	750	5.7	62	7.3	145	18.4
04...	0745	80513	80513	107	40.1	--	750	5.1	55	7.2	145	18.4
04...	0746	80513	80513	107	50.2	--	750	3.0	33	7.0	149	18.3
04...	0747	80513	80513	107	60.2	--	750	1.0	10	6.9	151	18.2
04...	0748	80513	80513	107	66.2	--	750	.2	3	6.9	157	17.8
04...	0749	80513	80513	107	68.1	--	750	.2	2	6.9	151	17.4
04...	0750	80513	80513	107	70.2	--	750	.2	2	6.8	155	16.4
04...	0751	80513	80513	107	75.2	--	750	.2	2	6.8	153	15.3
04...	0752	80513	80513	107	80.3	--	750	.2	2	6.8	158	14.8
04...	0753	80513	80513	107	90.6	--	750	.2	2	6.9	182	13.9
04...	0755	80513	80513	107	100	--	750	.2	2	7.0	196	13.3
04...	0756	80513	80020	107	101	--	750	.2	2	7.0	197	13.2
04...	0757	80513	80513	107	107	--	750	.2	2	7.0	209	12.8
JAN 2005												
12...	1056	80513	80513	115	.30	--	739	10.6	94	7.8	129	8.6
12...	1057	80513	80020	115	6.10	1.20	739	10.5	93	7.8	130	8.5
12...	1058	80513	80513	115	10.3	--	739	10.4	91	7.7	129	8.5
12...	1059	80513	80513	115	20.1	--	739	10.3	91	7.7	129	8.5
12...	1100	80513	80513	115	30.2	--	739	10.2	90	7.7	129	8.4
12...	1101	80513	80513	115	40.2	--	739	10.2	89	7.7	131	8.4
12...	1102	80513	80513	115	50.1	--	739	10.8	95	7.7	130	8.3
12...	1103	80513	80513	115	60.2	--	739	11.1	97	7.7	131	8.2
12...	1104	80513	80513	115	70.2	--	739	10.9	95	7.6	130	8.0
12...	1105	80513	80513	115	80.3	--	739	10.0	87	7.6	129	7.9
12...	1106	80513	80513	115	90.3	--	739	9.7	84	7.5	127	7.7
12...	1107	80513	80513	115	100	--	739	9.7	83	7.5	126	7.7
12...	1108	80513	80513	115	110	--	739	9.4	81	7.5	126	7.7
12...	1109	80513	80513	115	115	--	739	8.7	75	7.5	128	7.7
MAR												
09...	0955	80513	80513	109	.50	--	748	11.4	101	7.7	122	9.0
09...	0956	80513	80020	109	5.90	1.10	748	11.2	99	7.7	122	9.0
09...	0957	80513	80513	109	10.2	--	748	11.2	98	7.7	122	9.0
09...	0958	80513	80513	109	20.0	--	748	11.1	98	7.8	124	9.0
09...	0959	80513	80513	109	30.1	--	748	11.0	97	7.7	124	8.9
09...	1000	80513	80513	109	40.2	--	748	10.6	92	7.6	129	8.3
09...	1001	80513	80513	109	50.1	--	748	10.0	86	7.4	126	8.1
09...	1002	80513	80513	109	60.2	--	748	9.3	80	7.3	123	7.9
09...	1003	80513	80513	109	70.2	--	748	9.2	79	7.2	122	7.9
09...	1004	80513	80513	109	80.2	--	748	9.0	77	7.2	123	7.8
09...	1005	80513	80513	109	90.1	--	748	8.8	75	7.2	123	7.7
09...	1006	80513	80513	109	100	--	748	8.3	71	7.1	124	7.6
09...	1007	80513	80513	109	109	--	748	7.9	68	7.1	124	7.6
APR												
19...	1408	80513	80513	111	.50	--	748	10.2	107	8.4	135	16.4
19...	1409	80513	80020	111	6.10	2.00	748	10.2	106	8.4	135	16.3
19...	1410	80513	80513	111	10.0	--	748	10.2	106	8.4	134	16.2
19...	1411	80513	80513	111	15.1	--	748	10.1	102	8.3	134	15.1
19...	1412	80513	80513	111	17.1	--	748	9.8	97	8.2	132	14.0
19...	1413	80513	80513	111	20.1	--	748	9.5	93	7.9	131	13.3
19...	1414	80513	80020	111	30.0	--	748	9.2	89	7.8	130	12.8
19...	1415	80513	80513	111	40.2	--	748	9.0	85	7.8	130	12.2
19...	1416	80513	80513	111	45.1	--	748	8.6	82	7.7	130	12.1
19...	1417	80513	80513	111	46.1	--	748	8.5	79	7.7	128	11.0
19...	1418	80513	80513	111	50.0	--	748	8.5	77	7.7	127	10.3
19...	1419	80513	80513	111	60.2	--	748	8.3	75	7.7	126	9.6
19...	1420	80513	80513	111	70.1	--	748	8.1	72	7.6	125	9.3
19...	1421	80513	80513	111	80.2	--	748	7.7	68	7.6	125	9.2
19...	1422	80513	80513	111	90.2	--	748	7.2	63	7.5	127	9.1
19...	1424	80513	80513	111	100	--	748	6.2	54	7.4	129	8.8
19...	1425	80513	80020	111	105	--	748	5.9	51	7.4	130	8.8
19...	1426	80513	80513	111	111	--	748	5.7	50	7.4	131	8.8

WHITE RIVER BASIN

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm wat unfiltered (00095)	Temperature, water, deg C (00010)
JUN 2005												
29...	1242	80513	80513	103	.00	--	746	7.3	99	8.5	144	30.1
29...	1243	80513	80020	103	6.00	2.10	746	7.3	98	8.5	144	29.5
29...	1244	80513	80513	103	10.4	--	746	7.5	100	8.5	144	29.4
29...	1246	80513	80513	103	15.2	--	746	7.6	101	8.5	145	28.9
29...	1247	80513	80513	103	16.1	--	746	7.8	102	8.4	144	27.9
29...	1248	80513	80513	103	18.2	--	746	7.5	96	8.3	145	27.2
29...	1249	80513	80513	103	19.2	--	746	7.4	94	8.2	145	26.3
29...	1250	80513	80513	103	20.3	--	746	6.6	81	7.7	146	24.4
29...	1251	80513	80513	103	22.0	--	746	5.9	71	7.3	146	23.6
29...	1253	80513	80513	103	23.1	--	746	4.8	56	6.9	146	21.6
29...	1254	80513	80513	103	24.1	--	746	4.0	46	6.7	146	20.6
29...	1255	80513	80513	103	26.2	--	746	2.9	32	6.6	146	19.1
29...	1256	80513	80513	103	27.0	--	746	2.6	28	6.5	145	18.2
29...	1257	80513	80020	103	30.2	--	746	2.7	29	6.5	145	17.2
29...	1258	80513	80513	103	33.0	--	746	2.7	28	6.5	144	16.2
29...	1259	80513	80513	103	36.0	--	746	2.2	22	6.4	144	15.2
29...	1300	80513	80513	103	40.2	--	746	1.3	13	6.3	144	14.0
29...	1301	80513	80513	103	43.1	--	746	1.0	10	6.3	144	13.0
29...	1302	80513	80513	103	47.1	--	746	1.1	10	6.2	142	12.1
29...	1303	80513	80513	103	50.1	--	746	1.1	10	6.2	142	11.6
29...	1304	80513	80513	103	60.3	--	746	1.4	13	6.2	138	10.6
29...	1305	80513	80513	103	70.0	--	746	1.6	14	6.2	136	10.1
29...	1306	80513	80513	103	80.1	--	746	1.1	10	6.2	136	9.7
29...	1307	80513	80513	103	90.3	--	746	.4	4	6.2	137	9.6
29...	1310	80513	80020	103	97.1	--	746	.1	.0	6.2	140	9.4
29...	1311	80513	80513	103	100	--	746	.1	.0	6.2	140	9.4
29...	1312	80513	80513	103	103	--	746	.1	.0	6.3	141	9.4

AUG

16...	1441	80513	80513	98.0	.30	--	747	5.9	80	8.4	143	29.8
16...	1443	80513	80020	98.0	6.30	2.40	747	5.9	78	8.4	143	29.2
16...	1444	80513	80513	98.0	10.2	--	747	5.9	78	8.4	143	29.1
16...	1445	80513	80513	98.0	20.2	--	747	5.7	76	8.4	143	28.9
16...	1446	80513	80513	98.0	22.1	--	747	3.1	40	7.5	151	28.1
16...	1447	80513	80513	98.0	24.2	--	747	2.1	27	7.1	155	27.0
16...	1448	80513	80513	98.0	25.0	--	747	1.7	22	7.0	156	26.3
16...	1449	80513	80513	98.0	26.1	--	747	1.1	13	6.8	156	25.1
16...	1450	80513	80513	98.0	27.1	--	747	.4	5	6.7	156	23.9
16...	1451	80513	80513	98.0	29.1	--	747	.1	2	6.6	154	22.5
16...	1452	80513	80020	98.0	30.2	--	747	.1	1	6.5	153	21.5
16...	1453	80513	80513	98.0	32.2	--	747	.1	1	6.5	152	20.4
16...	1454	80513	80513	98.0	34.1	--	747	.1	1	6.4	151	19.3
16...	1457	80513	80513	98.0	35.2	--	747	.1	.0	6.4	150	18.2
16...	1458	80513	80513	98.0	37.0	--	747	.1	.0	6.4	150	17.2
16...	1459	80513	80513	98.0	40.0	--	747	.1	.0	6.3	149	16.3
16...	1500	80513	80513	98.0	41.0	--	747	.1	.0	6.3	149	15.3
16...	1501	80513	80513	98.0	42.8	--	747	.1	.0	6.3	150	14.4
16...	1502	80513	80513	98.0	50.3	--	747	.1	.0	6.3	151	13.0
16...	1503	80513	80513	98.0	56.0	--	747	.1	.0	6.3	150	11.9
16...	1504	80513	80513	98.0	60.1	--	747	.1	.0	6.2	149	11.5
16...	1505	80513	80513	98.0	70.2	--	747	.1	.0	6.2	147	10.6
16...	1506	80513	80513	98.0	80.1	--	747	.1	.0	6.2	147	10.2
16...	1507	80513	80513	98.0	90.2	--	747	.1	.0	6.2	148	10.0
16...	1508	80513	80020	98.0	93.1	--	747	.1	.0	6.2	148	10.0
16...	1509	80513	80513	98.0	98.4	--	747	.1	.0	6.3	148	9.8

Date	Time	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Hardness, mg/L as CaCO3 (00900)	Calcium, mg/L fltrd, (00915)	Magnesium, mg/L fltrd, (00925)	Chloride, mg/L fltrd, (00940)	Fluoride, mg/L fltrd, (00950)	Sulfate, mg/L fltrd, (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
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NOV 2004													
04...	0740	3.7	65	22.7	1.93	3.67	<.1	6.4	80	.20	.04	.031	.288
04...	0744	4.1	65	22.8	1.94	3.67	<.1	6.4	78	.20	.04	.032	.292
04...	0756	140	74	26.1	2.15	3.29	E.1	2.7	107	1.9	1.72	1.34	--
JAN 2005													
12...	1057	6.3	57	19.9	1.84	4.04	<.1	7.7	81	.24	.02	.013	3.17
MAR													
09...	0956	11	--	--	--	--	--	--	--	.31	--	E.005	4.38
APR													
19...	1409	2.2	--	--	--	--	--	--	--	.19	.02	.014	2.98
19...	1414	2.4	--	--	--	--	--	--	--	.20	.03	.026	3.75
19...	1425	3.8	--	--	--	--	--	--	--	.20	.03	.026	3.82

WHITE RIVER BASIN

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo-phytin a, phyto-plank- ton, ug/L (62360)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)
NOV 2004													
04...	.07	.068	.010	.003	.17	--	E.004	.012	.27	2.2	3.6	1.4	E7
04...	.07	.068	.007	.002	.17	--	E.005	.024	.27	2.2	2.9	--	--
04...	--	<.016	.007	.002	.61	.254	.083	.12	--	4.2	8.5	--	--
JAN 2005													
12...	.72	.727	.033	.010	.22	--	E.003	.020	.96	2.6	2.6	.6	E16
MAR													
09...	.99	.992	.010	.003	--	--	<.006	.030	1.3	1.9	3.4	3.2	<1
APR													
19...	.67	.679	.016	.005	.18	--	<.030	.012	.87	1.7	2.4	.7	<1
19...	.85	.852	.016	.005	.17	--	<.030	.011	1.1	2.2	2.1	--	--
19...	.86	.866	.013	.004	.17	--	<.030	.014	1.1	2.3	2.2	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, unfltrd recover -able, ug/L (01045)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)
NOV 2004			
04...	2.4	70	118
04...	--	110	161
04...	--	6170	155
JAN 2005			
12...	2.1	160	36.0
MAR			
09...	12.1	190	21.7
APR			
19...	2.3	40	9.8
19...	--	50	19.5
19...	--	80	299

Date	Turbdty white light, 90+/-30 det ang NTRU correctd (63676)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (71856)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
JUN 2005													
29...	1243	<2.0	.20	--	E.008	1.12	.25	.259	.016	.005	--	<.030	.007
29...	1257	<2.0	.30	.09	.068	2.36	.53	.542	.026	.008	.23	<.030	.011
29...	1310	3.2	.24	.08	.063	3.84	.87	.876	.030	.009	.17	<.030	.011
AUG													
16...	1443	<2.0	.25	--	<.010	--	--	<.016	--	E.001	--	<.04	.011
16...	1452	3.6	.24	.09	.068	1.37	.31	.325	.049	.015	.18	<.04	.013
16...	1508	5.0	.49	.38	.292	1.52	.34	.391	.154	.047	.19	<.04	.025

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, unfltrd recover -able, ug/L (01045)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)
JUN 2005								
29...	.45	2.7	2.4	.8	<1	2.9	10	4.9
29...	.84	2.1	1.7	--	--	--	30	42.2
29...	1.1	2.3	2.1	--	--	--	80	312
AUG								
16...	--	2.5	4.5	1.0	<1	3.1	20	16.0
16...	.57	1.9	3.1	--	--	--	80	266
16...	.88	2.4	2.4	--	--	--	500	1710
16...	--	--	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

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.

PERIOD RECORD.--December 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm (00095)	Temperature, water, deg C (00010)
OCT 2004												
19...	1114	80513	80513	182	.90	5.00	742	7.4	83	7.8	152	19.7
19...	1115	80513	80513	182	10.0	--	742	7.5	84	7.8	152	19.7
19...	1116	80513	80513	182	20.1	--	742	7.5	85	7.8	152	19.7
19...	1117	80513	80513	182	30.0	--	742	7.5	84	7.8	152	19.7
19...	1118	80513	80513	182	40.1	--	742	7.4	84	7.7	152	19.7
19...	1120	80513	80513	182	50.1	--	742	6.9	77	7.6	152	19.4
19...	1121	80513	80513	182	60.1	--	742	6.1	68	7.4	153	19.0
19...	1122	80513	80513	182	62.0	--	742	3.2	34	7.0	154	17.6
19...	1123	80513	80513	182	63.1	--	742	2.5	26	6.9	154	16.8
19...	1125	80513	80513	182	66.0	--	742	2.1	22	6.8	153	16.1
19...	1126	80513	80513	182	70.2	--	742	1.9	20	6.8	154	15.6
19...	1128	80513	80513	182	80.0	--	742	1.7	17	6.8	151	14.7
19...	1129	80513	80513	182	90.1	--	742	1.9	19	6.8	152	13.8
19...	1131	80513	80513	182	100	--	742	2.5	24	6.8	155	12.6
19...	1132	80513	80513	182	110	--	742	2.6	24	6.8	156	11.5
19...	1133	80513	80513	182	120	--	742	1.9	18	6.8	159	10.5
19...	1134	80513	80513	182	130	--	742	1.2	11	6.7	160	9.8
19...	1135	80513	80513	182	140	--	742	.7	6	6.7	162	9.1
19...	1137	80513	80513	182	150	--	742	.5	4	6.7	162	8.7
19...	1138	80513	80513	182	160	--	742	.2	2	6.7	162	8.5
19...	1139	80513	80513	182	170	--	742	.2	1	6.7	163	8.2
19...	1141	80513	80513	182	180	--	742	.2	1	6.7	165	8.1
19...	1142	80513	80513	182	182	--	742	.2	1	6.7	167	8.0
NOV 2004												
02...	1415	80513	80513	184	1.00	--	751	7.8	86	7.9	150	19.3
02...	1416	80513	80020	184	6.00	6.00	751	7.7	85	8.0	149	19.4
02...	1417	80513	80513	184	10.1	--	751	7.7	85	8.0	150	19.4
02...	1418	80513	80513	184	20.2	--	751	7.5	83	8.0	150	19.4
02...	1419	80513	80020	184	30.1	--	751	7.4	82	8.0	150	19.4
02...	1420	80513	80513	184	40.3	--	751	7.4	82	7.9	150	19.4
02...	1421	80513	80513	184	50.1	--	751	5.7	63	7.5	154	19.0
02...	1422	80513	80513	184	54.9	--	751	4.1	44	7.3	154	18.3
02...	1423	80513	80513	184	59.2	--	751	2.2	23	7.1	156	17.4
02...	1424	80513	80513	184	60.1	--	751	1.8	19	7.0	156	17.1
02...	1425	80513	80513	184	65.0	--	751	1.5	15	7.0	155	16.1
02...	1426	80513	80513	184	70.3	--	751	1.0	10	6.9	152	15.0
02...	1427	80513	80513	184	80.2	--	751	1.3	13	6.9	153	14.0
02...	1429	80513	80513	184	90.3	--	751	1.6	16	6.9	155	13.4
02...	1430	80513	80513	184	100	--	751	1.9	18	6.9	156	12.7
02...	1432	80513	80513	184	110	--	751	2.1	19	6.9	157	11.7
02...	1433	80513	80513	184	120	--	751	1.7	16	6.9	158	10.9
02...	1434	80513	80513	184	130	--	751	.8	8	6.8	161	10.0
02...	1435	80513	80513	184	140	--	751	.2	2	6.8	164	9.3
02...	1436	80513	80513	184	150	--	751	.2	2	6.8	165	8.8
02...	1437	80513	80513	184	160	--	751	.2	1	6.8	167	8.4
02...	1438	80513	80513	184	170	--	751	.2	1	6.8	169	8.2
02...	1440	80513	80020	184	178	--	751	.1	1	6.8	172	8.0
02...	1441	80513	80513	184	180	--	751	.4	4	6.9	172	8.0
02...	1442	80513	80513	184	184	--	751	.4	3	6.9	172	8.0
18...	1054	80513	80513	184	.40	4.30	753	7.6	79	7.5	153	16.4
18...	1055	80513	80513	184	10.1	--	753	7.5	78	7.5	153	16.4
18...	1056	80513	80513	184	20.1	--	753	7.8	80	7.5	153	16.4
18...	1057	80513	80513	184	30.1	--	753	8.1	83	7.5	154	16.4
18...	1058	80513	80513	184	40.1	--	753	7.7	79	7.5	154	16.4
18...	1059	80513	80513	184	50.1	--	753	7.4	76	7.4	154	16.4
18...	1100	80513	80513	184	60.1	--	753	7.5	78	7.4	154	16.3
18...	1101	80513	80513	184	70.1	--	753	7.1	73	7.4	154	16.3
18...	1102	80513	80513	184	75.2	--	753	1.4	14	6.8	155	15.3
18...	1103	80513	80513	184	80.2	--	753	.8	8	6.7	156	14.6
18...	1104	80513	80513	184	90.1	--	753	1.1	10	6.7	158	13.6
18...	1105	80513	80513	184	100	--	753	1.5	15	6.7	159	12.9
18...	1106	80513	80513	184	110	--	753	1.7	16	6.7	161	12.1
18...	1107	80513	80513	184	120	--	753	1.6	14	6.7	162	11.2
18...	1108	80513	80513	184	130	--	753	.7	6	6.6	164	10.5
18...	1109	80513	80513	184	140	--	753	.2	2	6.6	168	9.7
18...	1110	80513	80513	184	150	--	753	.2	2	6.6	170	9.1
18...	1111	80513	80513	184	160	--	753	.2	1	6.7	171	8.7
18...	1112	80513	80513	184	170	--	753	.2	1	6.7	174	8.4
18...	1113	80513	80513	184	180	--	753	.1	1	6.7	178	8.1
18...	1114	80513	80513	184	184	--	753	.2	1	6.8	180	8.0

WHITE RIVER BASIN

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
DEC 2004												
29...	0749	80513	80513	179	.50	2.60	753	9.0	81	7.8	147	10.2
29...	0750	80513	80513	179	10.2	--	753	8.8	80	7.8	148	10.3
29...	0751	80513	80513	179	20.1	--	753	8.8	79	7.8	148	10.3
29...	0752	80513	80513	179	30.1	--	753	8.6	78	7.8	148	10.3
29...	0753	80513	80513	179	40.7	--	753	8.6	78	7.7	148	10.2
29...	0754	80513	80513	179	50.0	--	753	8.6	78	7.7	148	10.2
29...	0755	80513	80513	179	60.2	--	753	8.5	77	7.7	148	10.2
29...	0756	80513	80513	179	70.1	--	753	8.4	75	7.7	148	10.2
29...	0757	80513	80513	179	80.3	--	753	8.2	74	7.7	149	10.2
29...	0758	80513	80513	179	90.1	--	753	8.2	74	7.7	149	10.2
29...	0759	80513	80513	179	100	--	753	8.2	74	7.6	149	10.2
29...	0800	80513	80513	179	110	--	753	8.1	73	7.6	148	10.1
29...	0801	80513	80513	179	120	--	753	8.2	74	7.7	148	10.1
29...	0802	80513	80513	179	130	--	753	8.4	75	7.7	148	10.1
29...	0803	80513	80513	179	140	--	753	7.4	66	7.6	151	9.7
29...	0804	80513	80513	179	150	--	753	5.4	48	7.4	156	9.5
29...	0805	80513	80513	179	160	--	753	3.6	32	7.3	162	9.5
29...	0806	80513	80513	179	170	--	753	.6	6	7.3	178	9.4
29...	0807	80513	80513	179	179	--	753	.4	4	7.3	182	9.0
JAN 2005												
11...	0923	80513	80513	186	.30	--	746	9.7	88	7.9	147	10.4
11...	0924	80513	80020	186	6.10	4.60	746	9.4	86	7.9	147	10.3
11...	0925	80513	80513	186	10.1	--	746	9.4	86	7.9	147	10.2
11...	0926	80513	80513	186	20.1	--	746	9.4	85	7.9	147	10.2
11...	0927	80513	80513	186	30.0	--	746	9.4	85	7.8	147	10.1
11...	0928	80513	80513	186	40.0	--	746	9.5	86	7.8	147	10.1
11...	0929	80513	80513	186	50.1	--	746	9.3	84	7.8	147	9.9
11...	0930	80513	80513	186	60.2	--	746	9.1	82	7.8	147	9.9
11...	0931	80513	80513	186	69.9	--	746	9.1	82	7.8	147	9.9
11...	0932	80513	80513	186	80.3	--	746	9.0	81	7.8	148	9.9
11...	0933	80513	80513	186	90.3	--	746	8.9	80	7.8	147	9.9
11...	0934	80513	80513	186	100	--	746	9.0	81	7.8	147	9.8
11...	0935	80513	80513	186	110	--	746	8.9	80	7.8	148	9.8
11...	0936	80513	80513	186	120	--	746	8.9	80	7.7	147	9.8
11...	0937	80513	80513	186	130	--	746	8.8	79	7.7	148	9.8
11...	0938	80513	80513	186	140	--	746	8.3	75	7.6	148	9.7
11...	0939	80513	80513	186	150	--	746	7.5	67	7.5	150	9.5
11...	0940	80513	80513	186	160	--	746	6.2	55	7.4	153	9.4
11...	0941	80513	80513	186	170	--	746	3.7	33	7.3	157	9.3
11...	0942	80513	80513	186	181	--	746	.9	8	7.2	163	9.2
11...	0943	80513	80513	186	186	--	746	.5	4	7.3	173	9.1
MAR												
08...	0954	80513	80513	186	.60	--	749	10.9	97	7.8	149	9.6
08...	0955	80513	80020	186	6.00	4.70	749	11.1	99	7.8	149	9.6
08...	0956	80513	80513	186	10.1	--	749	10.9	97	7.8	150	9.6
08...	0957	80513	80513	186	20.3	--	749	11.0	98	7.8	150	9.5
08...	0958	80513	80513	186	30.2	--	749	11.1	98	7.8	150	9.4
08...	0959	80513	80513	186	40.2	--	749	10.7	94	7.7	149	9.0
08...	1000	80513	80513	186	50.2	--	749	10.9	95	7.7	149	8.7
08...	1001	80513	80513	186	60.2	--	749	10.7	93	7.7	150	8.6
08...	1002	80513	80513	186	70.3	--	749	10.3	90	7.7	150	8.5
08...	1003	80513	80513	186	79.9	--	749	10.0	87	7.6	150	8.4
08...	1004	80513	80513	186	90.2	--	749	9.9	85	7.6	149	8.4
08...	1005	80513	80513	186	100	--	749	9.7	84	7.5	149	8.3
08...	1006	80513	80513	186	110	--	749	9.6	83	7.5	149	8.3
08...	1007	80513	80513	186	120	--	749	9.5	82	7.5	148	8.2
08...	1008	80513	80513	186	130	--	749	9.3	80	7.5	149	8.2
08...	1009	80513	80513	186	140	--	749	9.2	79	7.4	148	8.1
08...	1010	80513	80513	186	150	--	749	9.0	78	7.4	147	8.1
08...	1011	80513	80513	186	160	--	749	8.6	74	7.3	147	8.0
08...	1012	80513	80513	186	170	--	749	8.6	74	7.3	147	8.0
08...	1013	80513	80513	186	180	--	749	8.4	72	7.3	146	8.0
08...	1014	80513	80513	186	186	--	749	8.3	71	7.3	146	8.0
24...	1007	80513	80513	189	.00	5.80	747	10.6	95	7.6	149	9.7
24...	1008	80513	80513	189	10.4	--	747	10.4	92	7.7	150	9.2
24...	1009	80513	80513	189	20.1	--	747	10.3	91	7.7	149	9.2
24...	1010	80513	80513	189	30.2	--	747	10.1	90	7.7	149	9.2
24...	1011	80513	80513	189	40.1	--	747	10.2	91	7.6	150	9.2
24...	1012	80513	80513	189	50.7	--	747	10.2	90	7.6	149	9.2
24...	1013	80513	80513	189	60.2	--	747	10.1	89	7.6	149	9.2
24...	1014	80513	80513	189	70.3	--	747	10.1	89	7.6	149	9.2
24...	1015	80513	80513	189	80.4	--	747	9.8	87	7.5	150	8.9
24...	1016	80513	80513	189	90.3	--	747	9.8	86	7.5	149	8.8
24...	1017	80513	80513	189	100	--	747	9.6	84	7.4	150	8.7
24...	1018	80513	80513	189	110	--	747	9.1	80	7.4	149	8.5
24...	1019	80513	80513	189	120	--	747	8.9	77	7.3	149	8.4
24...	1020	80513	80513	189	130	--	747	8.8	77	7.3	147	8.3
24...	1021	80513	80513	189	140	--	747	8.4	73	7.2	147	8.1
24...	1022	80513	80513	189	150	--	747	8.3	71	7.2	146	8.1
24...	1023	80513	80513	189	160	--	747	8.1	69	7.1	147	8.0
24...	1024	80513	80513	189	170	--	747	10.2	87	7.0	146	8.0
24...	1025	80513	80513	189	180	--	747	7.9	68	7.1	145	8.0
24...	1026	80513	80513	189	189	--	747	6.0	52	7.2	147	8.0

WHITE RIVER BASIN

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
APR 2005												
19...	0938	80513	80513	188	.40	--	747	9.5	99	8.1	147	16.6
19...	0939	80513	80020	188	6.30	6.80	747	9.4	98	8.1	148	16.6
19...	0940	80513	80513	188	10.2	--	747	9.3	98	8.1	147	16.6
19...	0941	80513	80513	188	20.1	--	747	9.6	99	8.1	147	16.1
19...	0942	80513	80513	188	23.1	--	747	9.6	98	8.2	147	15.3
19...	0943	80513	80513	188	28.2	--	747	9.9	99	8.2	146	14.3
19...	0944	80513	80020	188	30.2	--	747	10.1	100	8.2	145	14.1
19...	0945	80513	80513	188	35.1	--	747	10.1	98	8.2	145	13.2
19...	0946	80513	80513	188	40.3	--	747	10.2	97	8.2	145	12.6
19...	0947	80513	80513	188	46.1	--	747	10.1	95	8.2	145	11.6
19...	0948	80513	80513	188	50.2	--	747	10.1	94	8.1	144	11.2
19...	0949	80513	80513	188	59.8	--	747	10.0	91	8.1	144	10.3
19...	0950	80513	80513	188	70.3	--	747	9.9	89	8.0	145	9.9
19...	0951	80513	80513	188	80.3	--	747	9.8	88	8.0	144	9.7
19...	0952	80513	80513	188	90.2	--	747	9.7	86	8.0	145	9.5
19...	0953	80513	80513	188	100	--	747	9.6	85	7.9	144	9.2
19...	0954	80513	80513	188	110	--	747	9.4	83	7.9	144	9.0
19...	0955	80513	80513	188	120	--	747	9.2	81	7.8	144	8.8
19...	0956	80513	80513	188	130	--	747	9.0	79	7.8	143	8.7
19...	0957	80513	80513	188	140	--	747	8.7	76	7.7	142	8.4
19...	0958	80513	80513	188	150	--	747	8.4	73	7.7	141	8.3
19...	0959	80513	80513	188	160	--	747	8.1	70	7.6	140	8.2
19...	1000	80513	80513	188	170	--	747	7.9	68	7.6	140	8.2
19...	1001	80513	80513	188	180	--	747	7.8	67	7.6	140	8.1
19...	1002	80513	80020	188	182	--	747	7.7	67	7.6	139	8.1
19...	1003	80513	80513	188	188	--	747	7.5	65	7.6	140	8.1
JUN												
30...	1017	80513	80513	183	.70	--	746	7.1	96	8.2	153	29.9
30...	1018	80513	80020	183	6.00	6.60	746	6.9	94	8.2	153	29.8
30...	1019	80513	80513	183	10.1	--	746	6.8	92	8.1	154	29.7
30...	1020	80513	80513	183	18.1	--	746	7.3	97	8.2	153	28.8
30...	1021	80513	80513	183	20.1	--	746	8.3	108	8.3	153	27.8
30...	1022	80513	80513	183	21.0	--	746	9.2	118	8.4	153	26.8
30...	1023	80513	80513	183	22.0	--	746	9.7	122	8.5	152	26.0
30...	1024	80513	80513	183	23.2	--	746	11.3	137	8.6	152	24.0
30...	1025	80513	80513	183	24.2	--	746	11.9	141	8.6	151	22.8
30...	1026	80513	80513	183	26.0	--	746	12.2	142	8.6	151	21.9
30...	1027	80513	80513	183	27.1	--	746	12.1	139	8.6	151	21.1
30...	1028	80513	80513	183	28.1	--	746	12.0	136	8.5	151	20.2
30...	1029	80513	80513	183	29.0	--	746	11.6	129	8.4	151	19.5
30...	1030	80513	80020	183	30.3	--	746	11.1	120	8.3	150	18.4
30...	1031	80513	80513	183	32.0	--	746	10.6	113	8.1	151	17.4
30...	1032	80513	80513	183	34.0	--	746	9.8	102	7.8	151	16.2
30...	1033	80513	80513	183	36.1	--	746	9.4	96	7.6	151	15.5
30...	1034	80513	80513	183	38.2	--	746	9.1	93	7.4	151	15.1
30...	1035	80513	80513	183	40.1	--	746	8.7	87	7.3	151	14.4
30...	1036	80513	80513	183	44.9	--	746	8.3	81	7.1	150	12.9
30...	1037	80513	80513	183	50.2	--	746	8.0	76	7.0	149	12.1
30...	1038	80513	80513	183	57.1	--	746	7.7	72	6.9	148	11.1
30...	1039	80513	80513	183	60.2	--	746	7.6	70	6.8	148	10.8
30...	1040	80513	80513	183	70.3	--	746	7.5	69	6.8	148	10.2
30...	1041	80513	80513	183	80.3	--	746	7.5	68	6.8	148	9.9
30...	1042	80513	80513	183	89.9	--	746	7.4	66	6.8	147	9.6
30...	1043	80513	80513	183	100	--	746	7.2	64	6.8	147	9.4
30...	1044	80513	80513	183	110	--	746	7.2	64	6.7	146	9.2
30...	1045	80513	80513	183	120	--	746	7.0	61	6.7	146	9.0
30...	1046	80513	80513	183	130	--	746	6.6	58	6.7	146	8.8
30...	1047	80513	80513	183	140	--	746	6.2	54	6.6	145	8.6
30...	1048	80513	80513	183	150	--	746	5.5	48	6.6	145	8.4
30...	1050	80513	80513	183	160	--	746	5.1	44	6.5	145	8.4
30...	1051	80513	80513	183	170	--	746	4.8	41	6.5	146	8.3
30...	1052	80513	80020	183	177	--	746	4.5	39	6.5	146	8.3
30...	1053	80513	80513	183	180	--	746	4.5	39	6.5	146	8.3
30...	1054	80513	80513	183	183	--	746	4.4	39	6.5	146	8.3

WHITE RIVER BASIN

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
AUG 2005												
16...	0934	80513	80513	174	.30	--	746	6.0	81	8.3	154	29.1
16...	0936	80513	80020	174	6.20	4.40	746	5.8	78	8.3	154	29.1
16...	0937	80513	80513	174	10.1	--	746	6.0	80	8.3	154	29.1
16...	0938	80513	80513	174	20.2	--	746	6.0	81	8.3	154	29.1
16...	0940	80513	80513	174	27.3	--	746	6.1	81	8.3	154	28.9
16...	0941	80513	80513	174	28.2	--	746	10.6	131	8.6	149	24.8
16...	0942	80513	80513	174	29.1	--	746	11.2	135	8.7	145	23.5
16...	0943	80513	80020	174	30.3	--	746	11.6	138	8.7	144	22.6
16...	0944	80513	80513	174	31.3	--	746	11.7	136	8.7	142	21.7
16...	0945	80513	80513	174	32.1	--	746	11.5	132	8.7	142	20.9
16...	0946	80513	80513	174	33.2	--	746	11.3	126	8.6	144	19.8
16...	0947	80513	80513	174	34.1	--	746	10.2	113	8.5	147	18.9
16...	0948	80513	80513	174	35.3	--	746	9.5	103	8.3	149	18.0
16...	0949	80513	80513	174	36.1	--	746	8.6	92	8.0	150	17.4
16...	0950	80513	80513	174	38.1	--	746	7.3	76	7.6	152	16.4
16...	0951	80513	80513	174	40.1	--	746	6.6	67	7.4	155	15.5
16...	0952	80513	80513	174	43.2	--	746	5.9	59	7.1	153	14.4
16...	0953	80513	80513	174	46.3	--	746	5.8	57	6.9	150	13.6
16...	0955	80513	80513	174	50.2	--	746	5.4	52	6.8	149	12.7
16...	0956	80513	80513	174	56.1	--	746	5.0	47	6.7	148	11.9
16...	0957	80513	80513	174	60.3	--	746	4.9	45	6.7	147	11.3
16...	0959	80513	80513	174	70.1	--	746	4.6	42	6.6	146	10.7
16...	1000	80513	80513	174	80.2	--	746	4.6	42	6.6	145	10.2
16...	1001	80513	80513	174	90.3	--	746	4.7	43	6.6	144	9.9
16...	1002	80513	80513	174	100	--	746	4.7	42	6.6	144	9.7
16...	1003	80513	80513	174	110	--	746	4.6	41	6.6	144	9.5
16...	1004	80513	80513	174	120	--	746	4.5	40	6.6	144	9.2
16...	1005	80513	80513	174	130	--	746	4.3	38	6.5	144	9.1
16...	1006	80513	80513	174	140	--	746	3.8	34	6.5	144	8.9
16...	1007	80513	80513	174	150	--	746	3.3	29	6.5	144	8.7
16...	1008	80513	80513	174	160	--	746	2.6	23	6.4	144	8.6
16...	1011	80513	80020	174	168	--	746	1.5	13	6.4	145	8.5
16...	1012	80513	80513	174	170	--	746	1.5	13	6.4	145	8.5
16...	1014	80513	80513	174	174	--	746	1.4	12	6.4	145	8.5
23...	1225	80513	80513	176	.70	3.90	744	7.3	98	8.1	154	29.2
23...	1226	80513	80513	176	10.0	--	744	7.2	96	8.2	154	29.1
23...	1227	80513	80513	176	20.1	--	744	7.1	95	8.2	154	29.1
23...	1228	80513	80513	176	25.0	--	744	8.3	108	8.2	153	27.6
23...	1229	80513	80513	176	25.9	--	744	8.8	113	8.2	152	27.1
23...	1230	80513	80513	176	26.9	--	744	10.1	127	8.3	150	25.9
23...	1231	80513	80513	176	28.0	--	744	11.3	139	8.4	148	24.8
23...	1232	80513	80513	176	29.0	--	744	12.8	155	8.5	144	23.4
23...	1233	80513	80513	176	29.9	--	744	13.5	159	8.6	143	22.2
23...	1234	80513	80513	176	32.1	--	744	14.0	160	8.6	143	20.8
23...	1235	80513	80513	176	34.0	--	744	13.8	154	8.5	145	19.6
23...	1236	80513	80513	176	35.9	--	744	11.6	127	8.3	148	18.5
23...	1237	80513	80513	176	38.0	--	744	10.0	107	7.9	150	17.3
23...	1238	80513	80513	176	40.0	--	744	8.7	91	7.5	153	16.2
23...	1239	80513	80513	176	43.0	--	744	7.8	79	7.3	155	14.9
23...	1240	80513	80513	176	47.1	--	744	7.0	69	6.9	150	13.9
23...	1241	80513	80513	176	50.0	--	744	6.7	65	6.8	149	13.3
23...	1242	80513	80513	176	55.0	--	744	5.9	56	6.7	147	12.3
23...	1243	80513	80513	176	60.0	--	744	5.4	51	6.6	146	11.6
23...	1244	80513	80513	176	70.1	--	744	5.5	50	6.6	145	10.8
23...	1245	80513	80513	176	79.9	--	744	5.5	50	6.6	144	10.3
23...	1246	80513	80513	176	90.0	--	744	5.6	51	6.6	144	9.9
23...	1247	80513	80513	176	99.9	--	744	5.6	50	6.5	143	9.7
23...	1248	80513	80513	176	110	--	744	5.5	49	6.5	143	9.5
23...	1249	80513	80513	176	120	--	744	5.3	47	6.5	143	9.3
23...	1250	80513	80513	176	130	--	744	4.9	43	6.5	143	9.1
23...	1251	80513	80513	176	140	--	744	4.4	39	6.4	143	8.9
23...	1252	80513	80513	176	150	--	744	3.7	32	6.4	143	8.7
23...	1253	80513	80513	176	160	--	744	2.6	22	6.3	144	8.6
23...	1254	80513	80513	176	170	--	744	1.6	14	6.3	145	8.6
23...	1255	80513	80513	176	176	--	744	1.3	11	6.3	145	8.6
SEP 2005												
23...	1257	80513	80513	170	.00	6.70	742	7.4	96	8.1	156	27.7
23...	1258	80513	80513	170	10.0	--	742	7.2	93	8.1	156	27.3
23...	1259	80513	80513	170	20.1	--	742	7.6	98	8.2	155	26.7
23...	1300	80513	80513	170	30.2	--	742	8.3	102	8.1	153	24.6
23...	1301	80513	80513	170	31.1	--	742	9.1	111	8.0	152	24.0
23...	1302	80513	80513	170	31.8	--	742	9.4	114	8.0	151	23.4
23...	1303	80513	80513	170	33.1	--	742	10.1	120	8.1	149	22.3
23...	1304	80513	80513	170	34.1	--	742	10.2	118	8.0	149	21.1
23...	1305	80513	80513	170	34.9	--	742	10.2	117	8.0	150	20.5
23...	1306	80513	80513	170	37.0	--	742	9.1	99	7.5	153	18.3
23...	1307	80513	80513	170	40.2	--	742	7.2	76	7.1	156	16.5
23...	1308	80513	80513	170	44.1	--	742	6.2	64	6.9	154	14.9
23...	1309	80513	80513	170	48.0	--	742	5.6	55	6.7	151	13.8
23...	1310	80513	80513	170	50.0	--	742	5.2	51	6.6	150	13.4
23...	1311	80513	80513	170	56.0	--	742	4.8	46	6.6	149	12.4
23...	1312	80513	80513.00	170	60.0	--	742	4.5	43	6.5	148	11.8
23...	1313	80513	80513	170	70.0	--	742	4.6	43	6.5	147	10.9
23...	1314	80513	80513	170	80.0	--	742	4.6	43	6.5	146	10.4
23...	1315	80513	80513	170	90.0	--	742	4.7	42	6.5	145	9.9
23...	1316	80513	80513	170	99.9	--	742	4.7	42	6.5	144	9.7
23...	1317	80513	80513	170	110	--	742	4.3	39	6.5	144	9.4
23...	1318	80513	80513	170	120	--	742	3.9	35	6.4	144	9.2
23...	1319	80513	80513	170	130	--	742	3.4	30	6.4	143	9.0
23...	1320	80513	80513	170	140	--	742	2.9	26	6.4	144	8.9
23...	1321	80513	80513	170	150	--	742	1.8	16	6.3	145	8.8
23...	1322	80513	80513	170	160	--	742	.8	7	6.3	146	8.7
23...	1323	80513	80513	170	170	--	742	.2	2	6.8	150	8.6

WHITE RIVER BASIN

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, ftrd, mg/L (00915)	Magnes- ium, water, ftrd, mg/L (00925)	Chlor- ide, water, ftrd, mg/L (00940)	Fluor- ide, water, ftrd, mg/L (00950)	Sulfate water, ftrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd as N (00625)	Ammonia water, ftrd, mg/L (71846)	Ammonia water, ftrd, as N (00608)	Nitrate water, ftrd, mg/L (71851)	
NOV 2004														
02...	1416	<2.0	69	24.0	2.33	4.14	E.1	6.7	81	.21	.02	.015	--	
02...	1419	2.5	68	23.5	2.29	4.13	<.1	6.6	80	.20	.02	.013	--	
02...	1440	5.9	78	27.1	2.44	4.78	<.1	6.9	94	.35	.21	.164	.655	
Date		Nitrite + nitrate water, ftrd, mg/L as N (00618)	Nitrite water, ftrd, mg/L as N (71856)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, ftrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, ug/L (70953)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)
NOV 2004														
02...	--	.038	--	E.001	.19	<.006	.005	.25	2.0	2.8	1.5	E4	1.9	
02...	--	.038	--	E.001	.18	<.006	.005	.24	2.1	2.9	--	--	--	
02...	.15	.164	.053	.016	.18	E.004	.013	.51	1.9	2.9	--	--	--	
Date						Iron, water, unfltrd recover- able, ug/L (01045)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)							
NOV 2004														
02...						M	5.9							
02...						M	25.2							
02...						50	1900							
Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, ftrd, mg/L (00915)	Magnes- ium, water, ftrd, mg/L (00925)	Chlor- ide, water, ftrd, mg/L (00940)	Fluor- ide, water, ftrd, mg/L (00950)	Sulfate water, ftrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd as N (00625)	Ammonia water, ftrd, mg/L as N (00608)	Nitrate water, ftrd, mg/L (71851)	Nitrate water, ftrd, mg/L as N (00618)	
JAN 2005														
11...	0924	<2.0	69	24.0	2.30	4.08	E.1	7.7	89	.17	<.010	--	--	
MAR 08...	0955	<2.0	--	--	--	--	--	--	--	.18	<.010	.580	.13	
Date		Nitrite + nitrate water, ftrd, mg/L as N (00631)	Nitrite water, ftrd, mg/L as N (71856)	Nitrite water, ftrd, mg/L as N (00613)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, ftrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, ug/L (70953)	Iron, water, unfltrd recover- able, ug/L (01045)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)
JAN 2005														
11...	.161	--	E.001	<.006	E.004	.33	2.3	3.6	1.7	<1	4.7	10	37.2	
MAR 08...	.133	.007	.002	<.006	.005	.31	1.8	2.5	1.5	<1	3.0	M	8.7	
Date	Time	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Ammonia + org-N, water, unfltrd as N (00625)	Ammonia water, ftrd, mg/L as N (71846)	Ammonia water, ftrd, mg/L (00608)	Nitrate water, ftrd, mg/L (71851)	Nitrate water, ftrd, mg/L as N (00618)	Nitrate water, ftrd, mg/L as N (00631)	Nitrite water, ftrd, mg/L (71856)	Nitrite water, ftrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, ftrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	
APR 2005														
19...	0939	<2.0	.20	.01	.011	.624	.14	.143	.007	.002	.18	<.006	.014	
19...	0944	<2.0	.19	.05	.035	.575	.13	.132	.007	.002	.15	<.006	.010	
19...	1002	<2.0	.17	.03	.023	--	--	.267	--	E.001	.15	<.006	.006	
JUN 30...	1018	<2.0	.17	.03	.024	.354	.08	.082	.007	.002	.15	<.030	E.003	
30...	1030	<2.0	.22	.02	.013	.429	.10	.099	.007	.002	.21	<.030	.009	
30...	1052	<2.0	.16	.02	.016	1.61	.36	.368	.013	.004	.14	<.030	.005	
Date		Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, ftrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, ug/L (70953)	Iron, water, unfltrd recover- able, ug/L (01045)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)					
APR 2005														
19...		.34	2.3	3.6	4.5	<1	4.9	M	2.8					
19...		.32	2.5	2.6	--	--	--	M	3.2					
19...		.44	2.5	3.0	--	--	--	30	36.7					
30...		.26	2.7	2.9	.3	<1	.8	M	3.6					
30...		.32	2.5	2.9	--	--	--	10	4.1					
30...		.53	1.9	2.1	--	--	--	10	135					

WHITE RIVER BASIN

07049690 BEAVER LAKE NEAR EUREKA SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)
AUG 2005							
16...	0936	<2.0	3.2	3.1	1.0	E1	2.0
16...	0943	<2.0	2.8	3.5	--	--	--
16...	1011	<2.0	2.2	3.6	--	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

M -- Presence verified but not quantified.

WHITE RIVER BASIN

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.

REMARKS.--Dissolved oxygen and water temperature collected continuously June through December. Prior to June 1999, water temperature and dissolved oxygen collected 2.2 mi downstream at White River at Campground E near Busch (07049693). Water-quality records are good except dissolved oxygen records for October 25-28 and June 22-30, which are fair; and October 29 to November 2, June 7-15, and July 8-27, which are poor. Satellite telemeter at station.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd percent of saturation (00301)	Specif. conductance, wat unfltrd std uS/cm (00095)	Temperature, water, deg C (00010)
OCT 2004								
19...	1207	80513	80513	748	7.0	66	7.0	166
NOV								
18...	1222	80513	80513	760	6.5	59	6.9	174
DEC								
29...	0831	80513	80513	759	9.6	84	7.7	157
MAR 2005								
24...	1047	80513	80513	747	10.4	91	7.3	148
APR								
19...	1115	80513	80020	747	11.7	113	7.7	155
JUN								
30...	0915	80513	80020	750	10.1	92	6.9	150
AUG								
16...	1145	80513	80513	752	7.8	73	6.7	154
23...	1320	80513	80513	747	10.0	95	7.0	144
SEP								
23...	1234	80513	80513	754	9.1	84	6.7	145

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.0	5.6	6.6	8.3	6.2	7.3	9.4	6.3	7.4	---	---	---
2	9.1	5.7	7.0	9.5	6.3	7.6	9.5	6.0	8.0	---	---	---
3	8.6	6.2	7.1	9.6	5.2	7.7	9.1	5.9	7.4	---	---	---
4	9.4	6.1	7.6	9.9	5.4	7.8	9.1	5.5	6.8	---	---	---
5	9.5	6.5	7.8	9.6	4.9	7.6	9.0	5.4	6.7	---	---	---
6	9.8	5.9	7.6	8.7	6.2	7.2	9.3	5.2	6.3	---	---	---
7	8.7	5.8	7.0	8.6	6.2	7.0	9.5	6.6	7.7	---	---	---
8	8.7	5.5	6.8	9.0	5.2	7.2	9.5	5.5	7.2	---	---	---
9	8.3	5.6	6.6	10.1	5.7	7.4	10.0	5.2	7.2	---	---	---
10	8.0	5.8	6.7	9.6	5.8	7.6	9.1	5.2	6.7	---	---	---
11	9.0	5.2	6.8	10.2	5.7	7.4	8.6	5.2	6.7	---	---	---
12	8.4	6.0	7.1	9.5	5.3	7.4	8.7	5.3	6.6	---	---	---
13	8.8	6.1	7.1	7.8	5.7	6.7	10.8	5.4	7.9	---	---	---
14	9.2	5.6	7.3	7.1	5.6	6.2	11.5	6.4	9.2	---	---	---
15	9.5	5.5	7.3	9.5	5.5	6.6	11.5	6.5	8.8	---	---	---
16	10.3	6.3	7.5	7.4	5.3	6.0	11.2	7.6	9.0	---	---	---
17	9.2	5.5	7.0	6.7	5.4	6.0	11.5	8.2	9.1	---	---	---
18	7.6	5.0	6.3	8.0	5.4	6.3	11.5	8.6	9.9	---	---	---
19	8.5	5.7	6.7	7.2	5.5	6.2	11.3	8.8	9.6	---	---	---
20	8.5	5.4	6.6	8.1	5.5	6.5	12.0	8.9	10.8	---	---	---
21	9.5	5.3	6.7	7.3	5.7	6.4	11.1	8.9	10.1	---	---	---
22	8.8	5.1	6.9	7.3	5.5	6.2	12.3	8.5	10.6	---	---	---
23	8.3	5.8	6.7	7.4	5.5	6.2	12.1	9.0	10.9	---	---	---
24	8.6	6.3	6.9	9.4	5.4	7.7	12.0	10.4	10.9	---	---	---
25	10.5	5.9	7.7	9.0	6.5	7.6	12.1	10.2	11.0	---	---	---
26	9.1	5.5	7.1	---	---	---	12.6	9.6	10.9	---	---	---
27	8.9	5.4	6.8	---	---	---	10.9	9.0	10.0	---	---	---
28	8.7	4.8	6.8	---	---	---	12.1	9.1	11.0	---	---	---
29	10.1	5.5	7.1	---	---	---	12.5	10.0	11.2	---	---	---
30	9.2	6.7	7.5	---	---	---	11.4	10.0	10.6	---	---	---
31	8.2	6.5	7.2	---	---	---	11.6	9.8	10.6	---	---	---
MONTH	10.5	4.8	7.0	---	---	---	12.6	5.2	8.9	---	---	---

WHITE RIVER BASIN

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.1	9.6	10.8	11.0	8.2	9.5	10.5	7.0	8.5	9.7	6.4	7.8
2	11.8	9.2	10.4	10.3	8.2	9.3	11.4	6.9	8.7	8.8	6.3	7.4
3	11.8	9.3	10.5	10.2	8.2	9.2	10.5	7.0	8.1	---	---	---
4	11.6	8.5	9.9	10.4	7.9	9.0	10.5	7.3	8.3	---	---	---
5	11.1	8.4	9.8	10.9	8.0	9.1	10.3	7.2	8.7	---	---	---
6	11.2	8.6	9.5	10.5	7.8	8.9	9.9	6.9	8.5	---	---	---
7	10.6	8.4	9.3	10.0	7.9	8.9	9.4	7.0	8.3	---	---	---
8	10.6	8.3	9.0	10.5	7.7	8.8	10.1	6.7	8.0	9.1	6.7	7.5
9	10.4	8.1	8.9	9.6	7.6	8.5	10.2	7.1	8.2	9.8	6.7	8.1
10	10.4	8.0	9.0	9.9	7.4	8.6	9.9	6.7	7.9	8.1	6.2	7.2
11	10.6	8.0	9.3	9.8	7.3	8.2	9.9	7.0	8.0	8.4	6.4	7.5
12	10.4	7.7	8.9	9.8	7.2	8.2	10.4	6.4	8.0	8.3	6.2	7.3
13	10.3	7.6	8.4	10.9	7.2	8.6	9.4	6.9	8.2	9.4	6.2	7.5
14	10.4	7.6	8.7	10.2	6.8	8.4	9.7	6.7	8.1	8.2	6.0	7.1
15	9.8	7.2	8.4	9.4	6.3	7.7	9.3	6.7	8.0	8.2	6.1	7.1
16	9.7	7.6	8.8	8.9	6.4	7.5	9.4	6.9	8.1	8.8	6.1	7.1
17	9.7	7.3	8.3	9.1	6.9	7.9	9.9	6.4	7.9	8.5	6.2	7.2
18	9.4	7.3	8.3	9.5	6.4	7.7	9.9	6.9	8.2	8.1	6.2	7.0
19	9.5	7.4	8.4	8.8	6.4	7.4	9.0	6.5	7.7	8.2	5.9	7.0
20	9.6	7.5	8.2	10.2	6.4	7.6	10.4	6.6	7.9	8.3	6.2	7.1
21	9.0	7.4	8.2	9.4	7.1	8.0	9.2	6.6	7.7	8.6	6.2	7.3
22	10.0	8.0	8.8	9.5	7.0	7.8	10.2	6.3	7.8	7.9	5.4	6.7
23	10.0	7.8	8.8	9.6	7.3	8.2	9.0	6.6	7.5	7.6	5.7	6.6
24	9.9	7.5	8.8	10.0	7.1	8.2	9.1	6.4	7.5	7.6	5.8	6.6
25	9.5	7.4	8.3	10.1	7.2	8.4	9.6	6.4	7.6	8.0	5.6	6.5
26	9.5	7.5	8.5	10.4	7.3	8.6	9.7	6.4	7.7	8.2	5.7	6.7
27	9.9	7.5	8.6	10.1	7.3	8.6	9.1	6.4	7.7	8.0	5.7	6.6
28	10.2	7.4	8.7	10.0	7.3	8.5	9.4	6.3	7.5	---	---	---
29	10.4	7.6	8.9	9.8	7.1	8.3	9.6	6.3	7.6	---	---	---
30	10.6	7.8	9.1	9.9	7.2	8.5	9.1	6.2	7.5	---	---	---
31	---	---	---	10.3	7.5	8.7	9.0	6.3	7.4	---	---	---
MONTH	12.1	7.2	9.0	11.0	6.3	8.4	11.4	6.2	8.0	---	---	---

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.7	9.9	10.5	11.6	10.4	10.8	12.0	9.5	11.3	---	---	---
2	12.3	9.4	10.5	11.4	10.1	10.6	12.1	10.1	11.5	---	---	---
3	11.6	8.9	10.2	11.7	9.7	10.4	12.0	10.2	11.2	---	---	---
4	12.5	9.6	10.7	11.6	9.8	10.5	11.9	9.8	10.9	---	---	---
5	11.9	9.4	10.4	11.9	9.3	10.6	11.8	9.9	10.9	---	---	---
6	11.7	9.2	10.4	11.7	9.8	10.5	12.0	10.5	11.4	---	---	---
7	11.3	10.0	10.6	12.6	9.6	10.4	12.0	10.7	11.7	---	---	---
8	11.4	10.1	10.6	11.6	9.2	10.3	12.1	10.5	11.6	---	---	---
9	11.4	10.0	10.4	11.8	9.3	10.5	12.3	10.7	11.4	---	---	---
10	11.2	9.9	10.3	11.8	9.3	10.5	11.8	10.4	10.9	---	---	---
11	11.4	10.2	10.4	11.6	10.3	10.8	11.7	10.3	10.9	---	---	---
12	11.4	10.1	10.4	11.6	9.8	10.5	11.7	10.1	10.8	---	---	---
13	12.2	9.9	10.7	11.0	9.3	10.1	11.7	9.8	11.1	---	---	---
14	11.4	9.6	10.3	10.7	9.9	10.2	11.6	9.9	11.2	---	---	---
15	12.4	9.2	10.7	11.8	10.1	10.6	11.6	9.6	11.1	---	---	---
16	12.7	9.4	10.4	10.9	10.2	10.5	11.6	10.3	11.2	---	---	---
17	11.6	9.0	10.1	10.9	10.1	10.4	11.5	10.3	11.2	---	---	---
18	11.6	10.2	10.9	11.8	10.3	10.7	11.5	10.9	11.3	---	---	---
19	11.5	9.9	10.4	10.9	10.2	10.5	11.2	10.5	11.1	---	---	---
20	11.1	9.9	10.3	11.0	10.0	10.5	11.4	10.1	10.9	---	---	---
21	11.4	10.1	10.5	10.6	10.0	10.3	11.2	10.5	10.9	---	---	---
22	11.6	10.2	10.9	10.7	10.3	10.5	11.1	10.3	10.7	---	---	---
23	12.0	9.8	10.8	10.8	10.4	10.5	10.7	9.7	10.2	---	---	---
24	11.4	9.2	10.2	10.5	9.2	9.9	10.4	8.9	9.6	---	---	---
25	11.5	9.8	10.7	10.9	8.9	9.7	10.2	8.7	9.3	---	---	---
26	11.6	10.2	10.8	---	---	---	10.8	9.1	9.6	---	---	---
27	11.6	10.3	10.9	---	---	---	10.2	8.9	9.5	---	---	---
28	11.8	10.5	11.1	---	---	---	10.6	9.0	9.8	---	---	---
29	11.8	10.6	11.1	---	---	---	10.7	9.7	10.0	---	---	---
30	12.0	10.0	10.7	---	---	---	10.7	9.8	10.2	---	---	---
31	10.7	9.8	10.3	---	---	---	11.0	9.8	10.4	---	---	---
MONTH	12.7	8.9	10.6	---	---	---	12.3	8.7	10.8	---	---	---

WHITE RIVER BASIN

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

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.4	8.8	9.3	11.1	9.2	9.8	11.7	9.3	9.9	11.6	9.4	10.1
2	11.1	8.8	9.4	11.3	9.1	9.7	11.8	9.3	9.8	11.8	9.5	10.2
3	11.1	8.9	9.8	11.1	9.1	9.7	11.1	9.4	9.7	---	---	---
4	10.8	9.0	9.6	11.7	9.2	9.8	11.3	9.4	9.8	---	---	---
5	11.0	8.9	9.6	11.4	9.1	9.8	11.3	9.5	9.8	---	---	---
6	11.2	8.9	9.3	11.3	9.1	9.8	11.2	9.4	9.8	---	---	---
7	10.5	8.8	9.2	11.6	9.1	9.8	11.3	9.4	9.8	---	---	---
8	10.6	9.0	9.2	11.8	9.1	9.8	11.3	9.3	9.8	11.6	9.4	10.0
9	10.3	8.9	9.2	11.2	9.1	9.8	11.1	9.4	9.7	11.7	9.5	10.0
10	11.0	9.0	9.4	11.7	9.2	9.8	11.5	9.4	9.8	11.3	9.5	9.9
11	10.8	9.0	9.5	10.5	9.2	9.4	11.6	9.4	9.9	11.2	9.5	10
12	11.2	9.0	9.5	10.5	9.1	9.4	11.8	9.6	9.9	11.2	9.6	10.0
13	11.2	9.0	9.5	10.6	9.1	9.4	11.7	9.5	10.0	11.9	9.6	10.1
14	11.5	9.0	9.5	11.7	9.1	9.6	10.5	9.5	9.8	10.4	9.7	10.0
15	11.5	8.7	9.3	11.4	9.2	9.6	10.6	9.6	9.8	11.1	9.7	10.2
16	10.4	9.0	9.4	11.1	9.2	9.5	10.2	9.5	9.7	11.8	9.7	10.3
17	11.1	9.0	9.4	11.6	9.2	9.7	10.3	9.5	9.7	11.6	9.3	10.1
18	11.1	8.9	9.4	11.1	9.3	9.6	11.4	9.5	10	11.3	9.5	10.1
19	11.2	8.8	9.4	10.5	9.3	9.6	11.2	9.5	9.8	11.8	9.6	10.1
20	11.1	8.7	9.3	10.6	9.3	9.6	11.8	9.5	10.1	11.1	9.5	9.9
21	9.2	9.1	9.2	11.5	9.4	9.7	11.7	9.5	10.1	11.2	9.6	10
22	9.4	9.1	9.2	11.6	9.3	9.7	11.2	9.6	10	11.3	9.5	10.0
23	9.8	9.0	9.2	11.3	9.4	9.7	10.7	9.5	9.8	11.7	9.6	10.1
24	11.2	8.9	9.5	11.5	9.4	9.7	11.5	9.5	9.9	10.8	9.5	10
25	10.0	9.1	9.2	10.8	9.4	9.7	11.6	9.6	9.9	13.8	9.7	10.8
26	9.3	9.1	9.2	11.0	9.4	9.8	11.6	9.6	10	11.8	9.6	10.1
27	9.9	9.2	9.3	10.9	9.4	9.8	12.1	9.7	10.2	11.6	9.5	10.0
28	10.3	9.1	9.3	11.6	9.3	10.1	11.3	9.5	10	---	---	---
29	11.2	9.1	9.6	11.5	9.2	9.8	12.2	9.5	10.3	---	---	---
30	10.7	9.1	9.5	11.9	9.1	9.8	12.2	9.5	10.2	12.1	8.9	10.2
31	---	---	---	11.7	9.1	9.8	11.8	9.4	10.1	---	---	---
MONTH	11.5	8.7	9.4	11.9	9.1	9.7	12.2	9.3	9.9	---	---	---

WHITE RIVER BASIN

07050500 KINGS RIVER NEAR BERRYVILLE

LOCATION.--Lat 36°25'38", 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 mi².

PERIOD OF RECORD.--April 1939 to September 1975, October 1992 to September 1995, and 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.--WDR Ark. 1995: 1991 (M), 1992 (M), 1993 (M), 1994 (M).

GAGE.--Water-stage recorder. Datum of gage is 963.10 ft above NGVD of 1929. 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 poor. Satellite telemeter at station.

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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	2420	2940	184	358	605	596	357	e171	77	20	17
2	20	3710	1900	183	360	559	601	332	e150	65	16	16
3	21	1540	1340	359	369	522	571	308	e134	61	15	107
4	21	1180	1050	3400	390	497	535	288	125	63	14	94
5	20	917	975	7120	424	470	511	273	121	65	15	34
6	19	705	1300	6680	457	440	722	260	113	59	20	27
7	21	568	2680	3180	470	423	1210	248	108	51	41	22
8	32	462	2410	1940	538	413	1050	237	107	45	78	19
9	41	389	1600	1360	540	423	925	229	109	39	82	16
10	64	342	1200	1050	512	411	802	217	98	38	67	15
11	129	1340	951	910	486	399	950	207	93	37	51	13
12	159	2090	794	910	470	380	1880	e199	94	34	40	13
13	197	1180	682	5230	512	366	1350	e185	91	34	32	12
14	170	836	577	3750	603	355	990	e208	102	30	31	12
15	163	658	501	2000	610	346	810	e214	84	28	26	19
16	140	546	448	1360	577	334	699	e210	75	27	24	27
17	124	471	407	1040	537	322	630	e219	71	29	24	32
18	112	450	377	869	502	310	575	e195	67	27	23	44
19	104	485	347	773	479	302	530	178	63	26	22	44
20	94	577	324	699	462	293	494	e163	58	27	23	39
21	86	527	306	638	551	292	459	150	55	24	24	32
22	79	464	289	584	542	338	443	139	52	23	20	27
23	80	423	273	528	589	824	410	264	49	24	18	22
24	79	675	253	490	760	727	385	561	46	22	26	20
25	80	1650	237	460	846	668	360	544	44	19	33	26
26	78	1240	224	442	762	666	360	399	43	18	29	32
27	75	1030	213	419	696	648	349	331	41	23	26	47
28	1160	1010	205	397	649	721	344	276	36	24	23	46
29	991	1000	196	387	---	722	359	e235	35	21	20	44
30	601	1830	191	374	---	667	384	e211	39	21	18	36
31	430	---	188	366	---	617	---	e191	---	22	18	---
TOTAL	5410	30715	25378	48082	15051	15060	20284	8028	2474	1103	919	954
MEAN	175	1024	819	1551	538	486	676	259	82.5	35.6	29.6	31.8
MAX	1160	3710	2940	7120	846	824	1880	561	171	77	82	107
MIN	19	342	188	183	358	292	344	139	35	18	14	12
AC-FT	10730	60920	50340	95370	29850	29870	40230	15920	4910	2190	1820	1890
CFSM	0.33	1.94	1.55	2.94	1.02	0.92	1.28	0.49	0.16	0.07	0.06	0.06
IN.	0.38	2.17	1.79	3.39	1.06	1.06	1.43	0.57	0.17	0.08	0.06	0.07

WHITE RIVER BASIN

07050500 KINGS RIVER NEAR BERRYVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-75, 1993-95, 1999-05, BY WATER YEAR (WY)

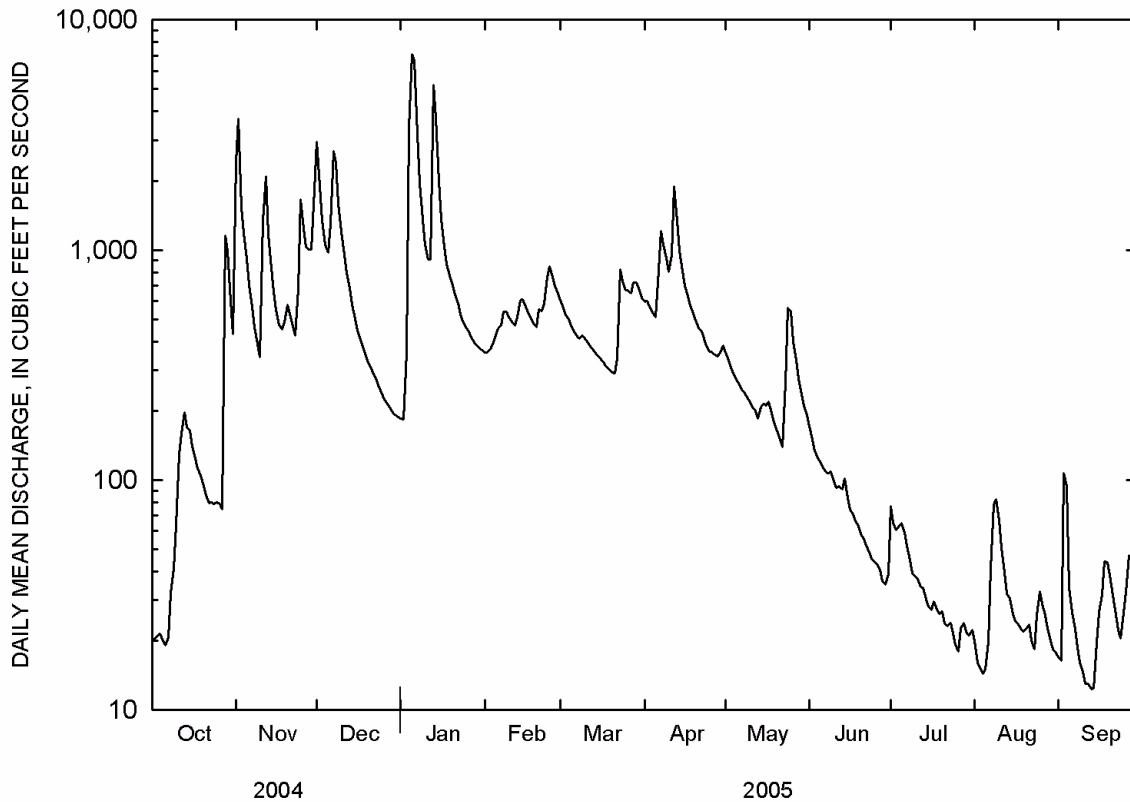
MEAN	180	572	502	607	817	976	1207	1179	511	220	106	113
MAX	1471	2820	2100	2119	2792	3472	5184	4570	2494	1252	923	789
(WY)	1971	1997	1969	1950	1951	1945	1945	1961	1957	1960	1950	1970
MIN	1.49	6.14	14.0	12.9	35.7	94.3	128	127	38.2	9.21	1.08	4.25
(WY)	1964	1964	1964	1964	1964	1972	1963	2001	1972	1954	1954	1953

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939-75, 1993-95 1999-05	
ANNUAL TOTAL	220589		173458			
ANNUAL MEAN	603		475		574	
HIGHEST ANNUAL MEAN					1251 1945	
LOWEST ANNUAL MEAN					88.3 1954	
HIGHEST DAILY MEAN	27900	Apr 24	7120	Jan 5	37300	Apr 15 1945
LOWEST DAILY MEAN	19	Oct 6	12	Sep 13	0.20	Aug 17 1954
ANNUAL SEVEN-DAY MINIMUM	20	Sep 30	14	Sep 8	0.40	Aug 13 1954
MAXIMUM PEAK FLOW			8370	Jan 5	¹ 66000	Nov 19 1985
MAXIMUM PEAK STAGE			12.49	Jan 5	38.91	Nov 19 1985
INSTANTANEOUS LOW FLOW			11	Sep 14	0.10	² Aug 27 1954
ANNUAL RUNOFF (AC-FT)	437500		344100		415800	
ANNUAL RUNOFF (CFSM)	1.14		0.902		1.09	
ANNUAL RUNOFF (INCHES)	15.57		12.24		14.80	
10 PERCENT EXCEEDS	1040		1030		1300	
50 PERCENT EXCEEDS	272		276		176	
90 PERCENT EXCEEDS	56		22		21	

¹Occurred during period of computation of annual maximum only, water years 1976-92

²Also August 28, 1954

^eEstimated



WHITE RIVER BASIN

07053250 YOCUM CREEK NEAR OAK GROVE

LOCATION.--Lat 36°27'17", long 93°21'21", in SW_{1/4}NE_{1/4} 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 upstream from Spring Creek, 1.2 mi downstream from Stillhouse Creek, and 4.7 mi east of Oak Grove.

DRAINAGE AREA.--52.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1993 to current year. Occasional low-flow measurements 1964-67, 1987-88.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	489	236	27	30	67	34	21	4.1	31	13	4.4
2	5.9	351	198	28	31	59	31	19	3.9	20	12	4.6
3	5.1	267	168	56	29	53	31	17	3.7	14	12	4.7
4	6.1	230	145	189	32	48	28	15	3.5	9.6	12	5.2
5	4.7	183	141	385	33	43	27	14	3.8	6.9	13	4.7
6	3.8	155	169	378	34	38	31	13	20	5.8	14	5.0
7	2.8	132	280	275	34	37	38	12	20	4.6	14	4.2
8	10	109	227	214	35	33	45	12	8.4	4.0	9.7	4.2
9	8.3	92	193	175	34	32	42	11	5.5	3.7	7.8	4.0
10	7.7	80	166	146	33	29	39	10	4.3	8.4	5.5	3.8
11	17	149	143	127	32	26	50	9.2	3.8	9.9	5.2	3.6
12	15	137	125	113	33	25	184	8.2	3.5	10	4.9	3.3
13	11	118	109	347	47	23	134	7.7	3.6	5.8	6.1	3.3
14	7.5	104	94	243	59	20	109	15	3.7	8.7	6.6	4.6
15	5.5	90	82	187	58	18	93	13	3.1	10	9.3	16
16	4.7	80	75	150	55	16	80	9.8	3.0	11	9.8	9.7
17	5.6	71	71	127	49	14	71	7.3	5.8	9.6	8.5	7.7
18	4.8	67	66	111	44	14	64	6.3	9.8	6.3	7.5	6.4
19	4.4	74	60	100	40	12	57	5.6	8.1	4.6	5.2	5.2
20	3.8	68	55	90	39	11	51	5.1	7.1	6.4	7.7	4.6
21	3.1	61	50	81	56	11	47	4.7	5.7	9.8	9.0	4.1
22	3.0	53	45	71	65	19	45	4.6	5.2	5.1	7.3	3.7
23	3.8	52	42	62	77	30	39	11	5.0	4.4	11	3.6
24	4.8	130	41	56	104	34	35	21	4.5	4.3	7.3	3.6
25	5.2	158	38	52	100	39	33	20	4.7	4.0	6.9	13
26	5.2	138	36	48	91	45	32	15	4.1	3.5	5.9	10
27	25	143	32	43	83	44	28	9.2	4.2	5.5	6.4	8.5
28	628	130	28	40	76	45	30	6.5	10	5.2	5.3	9.7
29	360	139	28	38	---	42	27	5.1	11	5.6	5.1	12
30	241	236	27	35	---	40	24	4.5	10	11	5.4	9.8
31	172	---	29	33	---	36	---	4.3	---	13	4.4	---
TOTAL	1591.4	4286	3199	4027	1433	1003	1579	337.1	193.1	261.7	257.8	187.2
MEAN	51.3	143	103	130	51.2	32.4	52.6	10.9	6.44	8.44	8.32	6.24
MAX	628	489	280	385	104	67	184	21	20	31	14	16
MIN	2.8	52	27	27	29	11	24	4.3	3.0	3.5	4.4	3.3
AC-FT	3160	8500	6350	7990	2840	1990	3130	669	383	519	511	371
CFSM	0.97	2.71	1.95	2.46	0.97	0.61	1.00	0.21	0.12	0.16	0.16	0.12
IN.	1.12	3.02	2.25	2.84	1.01	0.71	1.11	0.24	0.14	0.18	0.18	0.13

WHITE RIVER BASIN

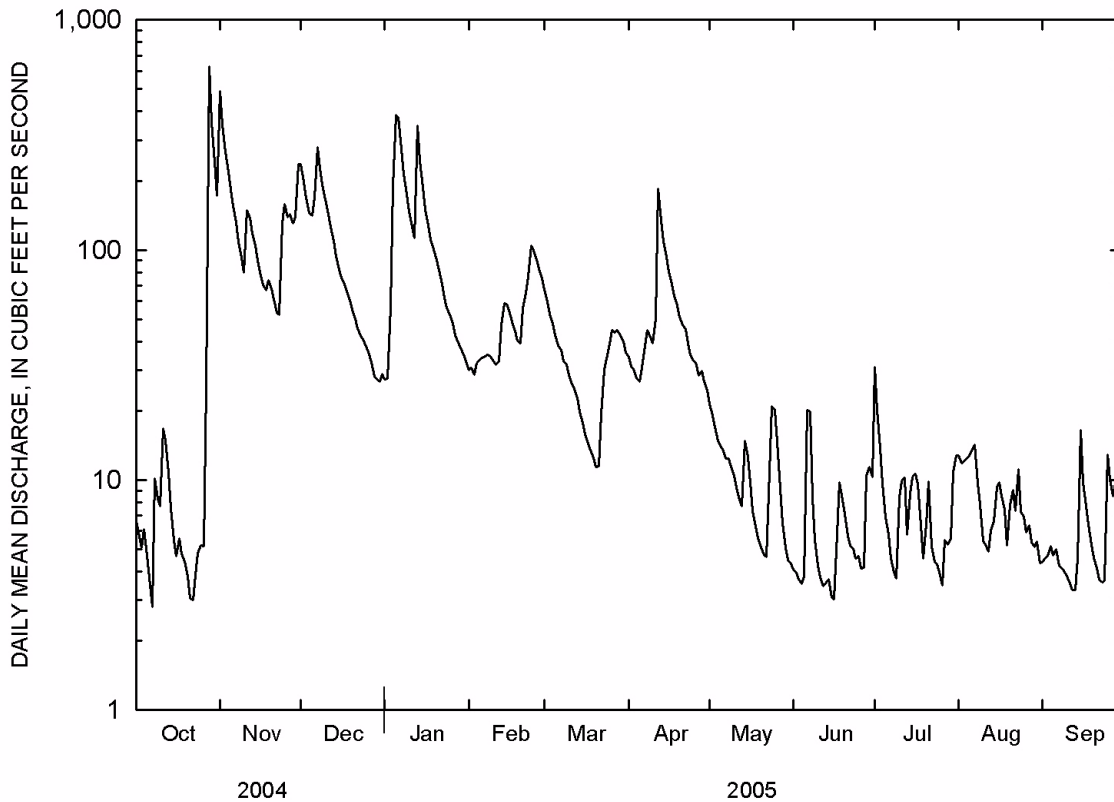
07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	15.3	52.8	43.3	62.6	62.8	78.3	78.9	56.8	43.5	25.9	17.6	15.0
MAX	51.3	233	103	208	134	175	168	152	137	63.2	39.4	45.0
(WY)	2005	1997	2005	1998	1998	1998	2004	2002	2000	1993	2000	1996
MIN	7.71	6.80	14.2	17.0	26.7	27.1	15.2	10.9	6.44	7.95	7.70	6.24
(WY)	1995	2000	1999	2003	2000	2000	2000	2005	2005	2003	2001	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1993 - 2005	
ANNUAL TOTAL	22652.7		18355.3			
ANNUAL MEAN	61.9		50.3		45.3	
HIGHEST ANNUAL MEAN					63.0 1994	
LOWEST ANNUAL MEAN					19.8 2003	
HIGHEST DAILY MEAN	2140	Apr 24	628	Oct 28	2140	Apr 24 2004
LOWEST DAILY MEAN	2.8	Oct 7	2.8	Oct 7	2.5	Feb 9 1998
ANNUAL SEVEN-DAY MINIMUM	4.0	Oct 18	3.6	Jun 10	3.0	Feb 4 1998
MAXIMUM PEAK FLOW			1930	Oct 28	¹ 9400	Apr 24 2004
MAXIMUM PEAK STAGE			8.79	Oct 28	14.80	Apr 24 2004
INSTANTANEOUS LOW FLOW			2.5	Oct 7	2.3	Feb 9 1998
ANNUAL RUNOFF (AC-FT)	44930		36410		32850	
ANNUAL RUNOFF (CFSM)	1.17		0.952		0.859	
ANNUAL RUNOFF (INCHES)	15.96		12.93		11.67	
10 PERCENT EXCEEDS	152		142		103	
50 PERCENT EXCEEDS	24		20		19	
90 PERCENT EXCEEDS	7.8		4.3		7.9	

¹Based on standard step-backwater model computations



WHITE RIVER BASIN

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Carbonate, wat flt incrm. titr., mg/L (00452)
OCT 13...	1225	80513	80020	10	748	9.0	96	8.0	376	17.6	155	187	.0
NOV 09...	1345	80513	80020	91	758	9.5	94	7.9	371	14.7	158	191	.0
DEC 29...	0940	80513	80020	27	758	12.7	111	8.2	367	9.1	143	172	1
JAN 04...	1445	80513	80020	360	753	9.2	87	8.2	319	12.1	117	140	.0
JAN 25...	1130	80513	80020	52	749	11.2	101	8.2	369	9.8	140	168	1
FEB 16...	1130	80513	80020	55	760	10.8	98	8.4	369	10.9	139	167	1
MAR 02...	1330	80513	80020	59	753	11.4	106	8.2	368	11.7	133	160	1
APR 11...	1430	80513	80020	44	738	11.3	118	8.2	356	16.1	148	177	1
MAY 04...	0725	80513	80020	16	760	8.7	81	8.1	375	12.2	158	191	.0
JUN 15...	0815	80513	80020	3.2	752	6.6	73	7.8	386	20.1	159	193	.0
JUL 07...	0750	80513	80020	4.8	753	6.1	70	7.9	383	21.1	148	178	.0
AUG 18...	1020	80513	80020	9.4	749	7.0	84	7.6	365	23.8	158	192	.0
SEP 29...	1315	80513	80020	12	774	10.9	120	7.8	348	20.9	144	174	.0
Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, as N (00618)	Nitrite + nitrate water, fltrd, as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, as N (00613)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)
OCT 13...	10.9	5.4	--	<.04	--	--	3.19	--	<.008	.120	.039	.046	3.39
NOV 09...	9.65	6.1	--	<.04	--	--	--	--	E.005	.212	.069	.083	6.30
DEC 29...	10.0	6.0	--	<.04	--	--	4.88	--	<.008	.095	.031	.044	5.59
JAN 04...	12.9	11.2	.10	.08	16.6	3.75	3.76	.046	.014	.984	.321	.61	5.80
JAN 25...	9.56	5.5	--	<.04	--	--	5.55	--	<.008	.132	.043	.062	5.70
FEB 16...	10.3	6.6	--	<.04	--	--	4.62	--	<.008	.129	.042	.058	4.88
MAR 02...	9.12	5.9	--	<.04	--	--	5.06	--	<.008	.129	.042	.049	5.25
APR 11...	9.24	5.6	--	<.04	--	--	3.72	--	E.004	.071	.023	.042	3.97
MAY 04...	9.53	5.9	--	<.04	--	--	4.18	--	<.008	.080	.026	.040	4.42
JUN 15...	9.60	5.2	--	<.04	--	--	3.66	--	<.008	.077	.025	.061	3.75
JUL 07...	10.0	5.3	--	<.04	--	--	3.20	--	<.008	.061	.020	.058	3.46
AUG 18...	9.95	4.6	--	<.04	--	--	2.23	--	<.008	.086	.028	.050	2.46
SEP 29...	10.3	4.9	--	<.04	--	--	2.34	--	<.008	.040	.013	.043	2.33
Date	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Chlorophyll a periphyton, chloro-fluoro, mg/m2 (70957)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water, fltrd 0.7u GF ug/L (82660)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)
OCT 13...	--	--	--	--	--	39	50	48	--	<.09	<.006	<.005	<.006
NOV 09...	--	--	--	--	--	E88	77	76	--	<.09	<.006	<.005	<.006
DEC 29...	--	--	--	--	--	20	26	22	--	<.09	<.006	<.005	<.006
JAN 04...	--	--	--	--	--	7600	7000	8600	--	<.09	<.006	<.005	<.006
JAN 25...	--	--	--	--	--	27	46	22	--	<.09	<.006	<.005	<.006
FEB 16...	--	--	--	--	--	E10	E10	E4	--	<.09	<.006	<.005	<.006
MAR 02...	--	--	--	--	--	E15	E10	E11	--	<.09	<.006	<.005	<.006
APR 11...	--	--	--	--	--	210	E78	28	--	<.09	<.006	<.005	<.006
MAY 04...	--	--	--	--	--	E16	E10	E2	--	<.09	<.006	<.005	E.004
JUN 15...	--	--	--	--	--	E7	E6	E10	--	<.09	<.006	<.005	<.006
JUL 07...	--	--	--	--	--	E16	E11	--	--	<.09	<.006	<.005	E.004
AUG 18...	--	--	--	--	--	E8	E16	--	--	<.09	<.006	<.005	<.006
AUG 16...	43.3	460	500.8	401	27	--	--	--	108	--	--	--	--
SEP 29...	--	--	--	--	--	33	56	--	--	<.09	<.006	<.005	<.006

WHITE RIVER BASIN

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)	Ben-flur-alin, water, fltrd, 0.7u GF (82673)	Car-baryl, water, fltrd, 0.7u GF (82680)	Carbo-furan, water, fltrd, 0.7u GF (82674)
OCT 13...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
NOV 09...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
DEC 29...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
JAN 04...	<.004	<.004	--	<.006	<.006	<.010	--	<.007	<.07	<.050	<.010	<.041	--
JAN 25...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
FEB 16...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
MAR 02...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
APR 11...	<.004	<.004	--	<.006	<.006	<.005	--	<.007	<.07	<.050	<.010	<.041	--
MAY 04...	<.004	<.004	--	<.006	<.006	<.005	--	E.005	<.07	<.050	<.010	<.041	--
JUN 15...	<.004	<.004	<.004	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020
JUL 07...	<.004	<.004	<.004	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020
AUG 18...	<.004	<.004	<.004	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020
SEP 29...	<.004	<.004	<.004	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020

Date	Chlor-pyrifos-oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water, fltrd, 0.7u GF (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyflu-thrin, water, fltrd, ug/L (61585)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water, fltrd, 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water, fltrd, ug/L (38454)
OCT 13...	<.06	<.005	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08
NOV 09...	<.06	<.005	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08
DEC 29...	<.06	<.005	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08
JAN 04...	<.06	<.005	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08
JAN 25...	<.06	<.005	<.006	--	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08
FEB 16...	<.06	<.005	<.006	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08
MAR 02...	<.06	<.008	<.006	--	--	<.030	--	<.030	<.003	<.012	<.01	<.005	<.08
APR 11...	<.06	<.005	<.006	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08
MAY 04...	<.06	<.005	<.006	--	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08
JUN 15...	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08
JUL 07...	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08
AUG 18...	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08
SEP 29...	<.06	<.005	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08

Date	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF (82662)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disul-foton, water, fltrd, 0.7u GF (82677)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd, 0.7u GF (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Etho-prop, water, fltrd, ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl fipro-nil amide, wat flt, ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)
OCT 13...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
NOV 09...	<.009	<.006	--	--	--	--	<.0020	--	<.049	--	<.03	<.029	<.013
DEC 29...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
JAN 04...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
JAN 25...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
FEB 16...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
MAR 02...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
APR 11...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
MAY 04...	<.009	<.006	--	--	--	--	<.0020	--	<.049	<.04	<.03	<.029	<.013
JUN 15...	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.005	<.049	<.04	<.03	<.029	<.013
JUL 07...	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.005	<.049	<.04	<.03	<.029	<.013
AUG 18...	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.005	<.049	<.04	<.03	<.029	<.013
SEP 29...	<.009	<.006	<.01	<.02	<.014	<.004	<.002	<.005	<.049	<.04	<.03	<.029	<.013

WHITE RIVER BASIN

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, ug/L (82667)
OCT 13...	<.024	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015
NOV 09...	<.024	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015
DEC 29...	<.024	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015
JAN 04...	<.024	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015
JAN 25...	<.024	<.016	<.003	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015
FEB 16...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
MAR 02...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
APR 11...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
MAY 04...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
JUN 15...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
JUL 07...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
AUG 18...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
SEP 29...	<.024	<.016	--	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015
Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd, ug/L (82671)	Myclobutanil, water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd, ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, fltrd, ug/L (82664)	Phosmet oxon, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd, ug/L (82676)
OCT 13...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
NOV 09...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
DEC 29...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
JAN 04...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
JAN 25...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
FEB 16...	<.006	<.010	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
MAR 02...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
APR 11...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
MAY 04...	<.006	<.006	--	<.008	--	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
JUN 15...	<.006	<.006	<.003	<.008	<.007	<.022	<.10	<.011	--	--	<.03	<.005	<.004
JUL 07...	<.006	<.006	<.003	<.008	<.007	<.022	<.10	<.011	--	--	<.01	<.005	<.004
AUG 18...	<.006	<.006	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004
SEP 29...	<.006	<.006	<.003	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.04	<.005	<.004
Date	Propanil, water, fltrd, ug/L (82679)	Propargite, water, fltrd, ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd, ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Terbufos oxon sulfone, water, fltrd, ug/L (61674)	Terbufos, water, fltrd, ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thio-bencarb water, fltrd, ug/L (82681)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-fluralin, water, fltrd, ug/L (82661)	Di-chlorvos, water, fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT 13...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	84
NOV 09...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	96
DEC 29...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	84
JAN 04...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	86
JAN 25...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	95
FEB 16...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	49
MAR 02...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	69
APR 11...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	70
MAY 04...	--	--	<.005	<.02	--	<.07	<.02	<.01	--	--	<.009	<.01	74
JUN 15...	<.011	<.02	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.004	<.009	<.01	11
JUL 07...	<.011	<.02	<.008	<.02	<.008	<.07	<.02	<.01	<.010	<.004	<.009	<.01	54
AUG 18...	<.011	<.02	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.004	<.009	<.01	26
SEP 29...	<.011	<.02	<.005	<.02	<.008	<.07	<.02	<.01	<.010	<.004	<.009	<.01	--

WHITE RIVER BASIN

07053250 YOCUM CREEK NEAR OAK GROVE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT 13...	109	2.9
NOV 09...	25	6.1
DEC 29...	62	4.5
JAN 04...	269	261
25...	24	3.4
FEB 16...	38	5.6
MAR 02...	20	3.2
APR 11...	10	1.2
MAY 04...	70	3.0
JUN 15...	86	.74
JUL 07...	86	1.1
AUG 18...	30	.76

Remark codes used in this table:

- < -- Less than.
- E -- Estimated.

WHITE RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm wat unfiltered (00095)	Temperature, water, deg C (00010)
OCT 2004											
19...	1453	80513	192	.90	3.40	748	7.8	85	8.3	229	19.1
19...	1454	80513	192	10.3	--	748	7.5	82	8.3	228	18.8
19...	1455	80513	192	20.2	--	748	7.2	78	8.2	230	18.8
19...	1456	80513	192	30.0	--	748	6.8	75	8.2	229	18.7
19...	1457	80513	192	40.2	--	748	6.6	72	8.1	229	18.6
19...	1458	80513	192	50.1	--	748	6.4	70	8.1	230	18.5
19...	1500	80513	192	57.1	--	748	4.7	51	7.7	234	17.9
19...	1501	80513	192	58.1	--	748	1.1	11	7.2	246	16.7
19...	1502	80513	192	59.1	--	748	.3	3	7.2	248	16.3
19...	1503	80513	192	60.1	--	748	.3	3	7.2	249	15.8
19...	1504	80513	192	65.0	--	748	.2	2	7.2	247	15.3
19...	1505	80513	192	70.1	--	748	.2	2	7.1	244	15.1
19...	1506	80513	192	80.2	--	748	.2	2	7.1	231	14.5
19...	1507	80513	192	90.1	--	748	.3	3	7.0	220	14.1
19...	1509	80513	192	100	--	748	1.2	11	7.0	200	13.6
19...	1510	80513	192	110	--	748	1.2	11	7.0	198	13.3
19...	1511	80513	192	120	--	748	.9	8	7.0	212	12.9
19...	1512	80513	192	130	--	748	.7	7	7.0	219	12.5
19...	1513	80513	192	140	--	748	.2	2	7.0	225	11.7
19...	1514	80513	192	150	--	748	.2	2	7.0	231	11.0
19...	1515	80513	192	160	--	748	.2	2	7.0	248	10.2
19...	1516	80513	192	170	--	748	.2	2	7.0	260	9.6
19...	1517	80513	192	180	--	748	.2	2	7.0	264	9.1
19...	1518	80513	192	190	--	748	.2	2	7.0	268	8.8
19...	1519	80513	192	192	--	748	.2	2	7.0	270	8.7
NOV											
18...	0833	80513	193	.50	4.60	758	6.8	70	7.6	240	15.9
18...	0834	80513	193	10.1	--	758	6.8	69	7.6	242	15.9
18...	0835	80513	193	19.9	--	758	6.9	70	7.6	242	15.9
18...	0836	80513	193	30.1	--	758	6.8	69	7.6	241	15.9
18...	0837	80513	193	40.2	--	758	6.7	68	7.6	242	15.9
18...	0838	80513	193	50.3	--	758	6.6	67	7.6	242	15.9
18...	0839	80513	193	60.2	--	758	6.2	63	7.5	241	15.7
18...	0840	80513	193	70.2	--	758	.8	7	7.1	236	14.9
18...	0841	80513	193	80.1	--	758	.3	3	7.0	227	14.5
18...	0842	80513	193	90.3	--	758	.2	2	7.0	218	14.2
18...	0843	80513	193	100	--	758	.2	2	7.0	230	13.9
18...	0844	80513	193	110	--	758	.4	4	6.9	214	13.5
18...	0845	80513	193	120	--	758	.8	8	6.8	197	13.1
18...	0846	80513	193	130	--	758	.3	3	6.8	202	12.6
18...	0847	80513	193	140	--	758	.2	2	6.8	211	12.3
18...	0848	80513	193	150	--	758	.2	2	6.9	230	11.7
18...	0849	80513	193	160	--	758	.2	1	6.9	250	10.9
18...	0851	80513	193	170	--	758	.1	1	6.9	266	10.1
18...	0852	80513	193	180	--	758	.1	1	6.9	273	9.3
18...	0853	80513	193	190	--	758	.2	1	6.9	281	8.9
18...	0855	80513	193	193	--	758	.1	1	6.9	282	8.8
DEC											
29...	1130	80513	190	.30	3.80	760	8.8	79	7.9	227	10.3
29...	1131	80513	190	10.1	--	760	8.5	76	7.9	227	10.1
29...	1132	80513	190	20.3	--	760	8.4	75	7.9	227	10.1
29...	1133	80513	190	30.1	--	760	8.2	73	7.9	228	10.1
29...	1134	80513	190	40.0	--	760	8.2	73	7.9	227	10.1
29...	1135	80513	190	50.1	--	760	8.1	72	7.9	227	10.1
29...	1136	80513	190	60.1	--	760	8.1	72	7.8	227	10.1
29...	1137	80513	190	70.3	--	760	8.0	71	7.8	228	10.1
29...	1138	80513	190	80.1	--	760	8.2	73	7.9	232	10.0
29...	1139	80513	190	90.2	--	760	8.2	73	7.9	233	9.9
29...	1140	80513	190	100	--	760	8.4	74	7.9	233	9.9
29...	1141	80513	190	110	--	760	8.4	75	7.9	234	9.8
29...	1142	80513	190	120	--	760	8.4	75	7.9	235	9.8
29...	1143	80513	190	130	--	760	8.4	74	7.9	237	9.8
29...	1144	80513	190	140	--	760	8.3	74	7.9	236	9.8
29...	1145	80513	190	150	--	760	8.3	74	7.9	236	9.8
29...	1146	80513	190	160	--	760	8.3	74	7.9	236	9.8
29...	1147	80513	190	170	--	760	8.1	71	7.8	237	9.8
29...	1148	80513	190	181	--	760	8.0	70	7.8	238	9.7
29...	1149	80513	190	190	--	760	7.5	67	7.8	238	9.7

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
MAR 2005											
23...	1707	80513	174	40	3.40	758	10.3	90	8.2	243	9.2
23...	1708	80513	174	10.3	--	758	10.4	91	8.2	244	9.2
23...	1709	80513	174	20.3	--	758	10.4	91	8.3	243	9.2
23...	1710	80513	174	30.3	--	758	10.4	91	8.3	244	9.2
23...	1711	80513	174	40.2	--	758	10.2	89	8.3	244	9.2
23...	1712	80513	174	50.3	--	758	10.2	89	8.3	245	9.2
23...	1713	80513	174	60.2	--	758	10.2	88	8.2	244	8.9
23...	1714	80513	174	70.3	--	758	9.9	85	8.2	245	8.6
23...	1715	80513	174	80.3	--	758	9.9	85	8.2	245	8.6
23...	1716	80513	174	90.6	--	758	9.8	85	8.1	246	8.5
23...	1717	80513	174	100	--	758	9.6	82	8.1	246	8.3
23...	1718	80513	174	110	--	758	9.6	82	8.1	246	8.3
23...	1719	80513	174	120	--	758	9.5	81	8.1	247	8.3
23...	1720	80513	174	130	--	758	9.3	80	8.0	246	8.2
23...	1721	80513	174	140	--	758	9.0	77	8.0	247	7.9
23...	1722	80513	174	150	--	758	8.4	71	7.9	249	7.7
23...	1723	80513	174	160	--	758	8.0	67	7.8	251	7.5
23...	1724	80513	174	170	--	758	7.6	64	7.8	255	7.3
23...	1725	80513	174	174	--	758	7.3	61	7.8	256	7.3
JUN											
15...	0921	80513	175	00	2.40	748	8.4	107	8.4	207	26.6
15...	0922	80513	175	10.0	--	748	8.3	105	8.4	207	26.6
15...	0923	80513	175	20.0	--	748	9.1	113	8.4	209	25.3
15...	0924	80513	175	21.0	--	748	9.6	118	8.4	211	24.7
15...	0925	80513	175	22.0	--	748	10.3	124	8.4	214	23.6
15...	0926	80513	175	23.0	--	748	10.6	124	8.4	218	22.0
15...	0927	80513	175	24.0	--	748	10.9	124	8.4	223	20.4
15...	0928	80513	175	25.0	--	748	10.3	114	8.2	229	19.2
15...	0929	80513	175	26.0	--	748	9.6	105	8.1	232	18.7
15...	0930	80513	175	27.0	--	748	9.0	97	8.0	233	18.1
15...	0931	80513	175	28.0	--	748	8.4	90	7.9	236	17.6
15...	0932	80513	175	30.0	--	748	7.4	77	7.6	240	16.5
15...	0934	80513	175	35.0	--	748	6.1	62	7.4	248	15.0
15...	0940	80513	175	40.0	--	748	6.6	65	7.4	249	14.2
15...	0941	80513	175	50.0	--	748	6.3	60	7.3	251	12.9
15...	0942	80513	175	60.0	--	748	6.6	61	7.2	250	11.2
15...	0943	80513	175	70.0	--	748	6.8	62	7.2	255	10.3
15...	0944	80513	175	80.0	--	748	7.3	66	7.2	253	9.7
15...	0945	80513	175	90.0	--	748	7.7	68	7.3	251	9.4
15...	0946	80513	175	100	--	748	8.0	70	7.3	245	9.1
15...	0948	80513	175	110	--	748	7.8	69	7.3	244	8.9
15...	0949	80513	175	120	--	748	7.8	69	7.2	246	8.8
15...	0950	80513	175	130	--	748	7.6	66	7.2	244	8.6
15...	0951	80513	175	140	--	748	7.2	62	7.2	247	8.5
15...	0952	80513	175	150	--	748	6.5	56	7.1	254	8.2
15...	0953	80513	175	160	--	748	5.8	50	7.1	258	8.1
15...	0954	80513	175	170	--	748	5.1	44	7.0	259	8.0
15...	0955	80513	175	175	--	748	4.3	37	7.0	260	8.0
JUL											
14...	0941	80513	174	50	4.70	746	7.8	102	8.2	205	27.8
14...	0942	80513	174	10.0	--	746	7.9	102	8.2	205	27.7
14...	0943	80513	174	20.0	--	746	7.7	100	8.2	205	27.6
14...	0945	80513	174	22.9	--	746	8.1	105	8.2	205	27.4
14...	0946	80513	174	24.1	--	746	10.9	137	8.2	205	25.8
14...	0947	80513	174	24.9	--	746	12.6	154	8.2	205	24.3
14...	0948	80513	174	26.0	--	746	13.4	159	8.2	205	22.6
14...	0949	80513	174	26.9	--	746	13.2	152	8.2	212	21.0
14...	0950	80513	174	28.0	--	746	12.8	146	8.2	215	20.5
14...	0951	80513	174	30.0	--	746	11.1	123	8.1	224	19.3
14...	0952	80513	174	33.1	--	746	6.8	73	7.5	237	17.4
14...	0953	80513	174	35.1	--	746	4.7	49	7.1	242	16.4
14...	0954	80513	174	40.1	--	746	3.5	35	7.0	249	15.2
14...	0955	80513	174	46.0	--	746	3.5	35	7.0	252	14.1
14...	0956	80513	174	50.0	--	746	3.6	35	7.0	251	13.5
14...	0957	80513	174	60.0	--	746	3.8	37	7.0	252	12.5
14...	0958	80513	174	70.0	--	746	4.7	44	7.0	251	11.1
14...	0959	80513	174	80.0	--	746	5.3	48	7.0	251	10.3
14...	1000	80513	174	90.0	--	746	5.7	51	7.0	252	9.8
14...	1001	80513	174	100	--	746	6.2	55	7.0	240	9.5
14...	1002	80513	174	110	--	746	6.0	54	7.0	240	9.2
14...	1003	80513	174	120	--	746	6.0	53	6.9	240	9.0
14...	1004	80513	174	130	--	746	5.8	51	6.9	243	8.8
14...	1005	80513	174	140	--	746	5.3	47	6.9	247	8.7
14...	1006	80513	174	150	--	746	4.6	41	6.8	252	8.6
14...	1007	80513	174	160	--	746	3.9	34	6.8	255	8.4
14...	1008	80513	174	170	--	746	2.8	25	6.7	258	8.3
14...	1009	80513	174	174	--	746	2.7	23	6.7	258	8.3

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unfl uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
AUG 2005											
23...	1549	80513	205	.60	2.70	748	7.6	101	8.2	206	29.1
23...	1550	80513	205	10.0	--	748	7.6	100	8.2	206	28.8
23...	1551	80513	205	19.9	--	748	7.4	97	8.2	207	28.7
23...	1552	80513	205	24.0	--	748	7.5	99	8.2	208	28.4
23...	1553	80513	205	24.9	--	748	8.0	103	8.2	210	27.4
23...	1554	80513	205	25.8	--	748	9.5	120	8.2	213	26.2
23...	1555	80513	205	27.0	--	748	10.5	130	8.2	214	24.9
23...	1556	80513	205	28.0	--	748	11.3	137	8.3	214	24.1
23...	1557	80513	205	29.0	--	748	12.2	144	8.3	216	22.5
23...	1558	80513	205	30.2	--	748	12.9	148	8.3	218	21.4
23...	1559	80513	205	31.0	--	748	12.0	135	8.3	221	20.3
23...	1600	80513	205	32.1	--	748	10.8	121	8.2	227	19.7
23...	1601	80513	205	33.2	--	748	8.6	94	7.8	232	18.8
23...	1602	80513	205	35.0	--	748	4.8	52	7.3	239	17.8
23...	1603	80513	205	39.9	--	748	1.9	20	7.1	246	16.4
23...	1604	80513	205	44.9	--	748	1.2	12	7.0	250	15.4
23...	1605	80513	205	50.0	--	748	1.4	15	7.0	251	14.7
23...	1606	80513	205	60.1	--	748	1.8	18	7.0	249	13.5
23...	1607	80513	205	69.9	--	748	1.7	16	6.9	244	12.4
23...	1608	80513	205	80.0	--	748	2.9	27	7.0	245	11.4
23...	1609	80513	205	89.8	--	748	3.1	29	6.9	236	10.7
23...	1610	80513	205	100	--	748	3.6	33	6.9	236	10.2
23...	1611	80513	205	110	--	748	4.1	36	6.9	236	9.8
23...	1612	80513	205	120	--	748	4.2	37	6.9	238	9.6
23...	1613	80513	205	130	--	748	4.3	38	6.9	245	9.5
23...	1614	80513	205	140	--	748	3.6	32	6.9	250	9.2
23...	1615	80513	205	150	--	748	2.7	24	6.8	250	9.1
23...	1616	80513	205	160	--	748	1.4	12	6.7	252	8.9
23...	1617	80513	205	170	--	748	.2	2	6.7	255	8.7
23...	1618	80513	205	180	--	748	.1	1	6.7	257	8.6
23...	1619	80513	205	190	--	748	.1	.0	6.7	258	8.5
23...	1620	80513	205	200	--	748	.1	.0	6.7	259	8.5
23...	1621	80513	205	205	--	748	.1	.0	6.8	260	8.5
SEP											
23...	0914	80513	168	.20	4.10	750	7.8	100	8.0	212	27.2
23...	0915	80513	168	10.0	--	750	7.8	100	8.1	210	26.9
23...	0916	80513	168	20.0	--	750	8.1	102	8.1	212	26.2
23...	0917	80513	168	30.0	--	750	7.6	93	8.0	215	24.7
23...	0918	80513	168	31.0	--	750	8.1	98	7.9	216	24.2
23...	0919	80513	168	32.0	--	750	7.8	91	7.7	222	22.5
23...	0920	80513	168	33.0	--	750	6.8	78	7.5	226	21.6
23...	0921	80513	168	34.0	--	750	5.8	65	7.3	231	20.6
23...	0922	80513	168	35.1	--	750	4.0	45	7.1	235	19.8
23...	0923	80513	168	37.0	--	750	2.9	32	7.0	237	19.2
23...	0924	80513	168	40.0	--	750	1.2	13	6.9	242	18.2
23...	0925	80513	168	45.0	--	750	.2	2	6.9	242	16.7
23...	0926	80513	168	50.0	--	750	.1	2	6.9	244	15.7
23...	0927	80513	168	55.0	--	750	.3	3	6.9	254	14.8
23...	0928	80513	168	60.0	--	750	.5	5	6.9	254	14.2
23...	0929	80513	168	70.0	--	750	1.0	10	6.8	256	13.0
23...	0930	80513	168	80.1	--	750	1.0	10	6.8	246	12.2
23...	0931	80513	168	90.1	--	750	1.9	18	6.8	247	11.3
23...	0932	80513	168	100	--	750	2.4	22	6.8	243	10.7
23...	0933	80513	168	110	--	750	2.6	24	6.8	239	10.2
23...	0934	80513	168	120	--	750	2.9	26	6.8	243	9.8
23...	0935	80513	168	130	--	750	2.8	25	6.8	252	9.6
23...	0936	80513	168	140	--	750	1.6	14	6.7	251	9.4
23...	0937	80513	168	150	--	750	.6	5	6.7	254	9.2
23...	0938	80513	168	160	--	750	.1	1	6.7	258	9.0
23...	0939	80513	168	168	--	750	.1	1	6.7	261	8.9

WHITE RIVER BASIN

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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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
OCT 2004 19...	1600	80513	80513	748	8.9	86	7.8	224	13.4
NOV 18...	0801	80513	80513	764	5.4	51	6.9	224	12.6
DEC 29...	1231	80513	80513	763	9.8	93	7.8	254	13.2
MAR 2005 23...	1633	80513	80513	758	9.9	84	8.0	249	8.2
JUN 15...	1023	80513	80513	753	9.6	85	7.2	250	9.4
JUL 14...	0911	80513	80513	751	9.2	83	6.9	248	9.8
AUG 24...	1646	80513	80513	753	7.0	63	7.0	244	10.1
SEP 23...	1011	80513	80513	750	8.6	80	7.0	249	11.4

WHITE RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unfl- trd uS/cm 25 degC (00095)	Temper- ature, deg C (00010)
OCT 2004											
20...	1510	80513	172	1.40	4.20	759	7.3	81	8.1	280	19.6
20...	1511	80513	172	10.0	--	759	7.5	82	8.1	280	19.6
20...	1512	80513	172	20.0	--	759	7.3	80	8.1	280	19.7
20...	1513	80513	172	30.0	--	759	7.1	78	8.1	280	19.6
20...	1514	80513	172	40.1	--	759	6.9	75	8.0	280	19.5
20...	1515	80513	172	50.2	--	759	6.6	72	8.0	280	19.4
20...	1516	80513	172	57.1	--	759	3.8	40	7.5	283	18.5
20...	1517	80513	172	60.1	--	759	2.9	31	7.4	283	18.2
20...	1519	80513	172	68.1	--	759	.3	3	7.2	283	17.1
20...	1520	80513	172	70.0	--	759	.3	3	7.2	282	16.9
20...	1521	80513	172	80.1	--	759	.4	4	7.2	281	16.3
20...	1522	80513	172	90.3	--	759	.6	6	7.1	276	15.1
20...	1523	80513	172	100	--	759	.9	9	7.1	275	14.3
20...	1524	80513	172	110	--	759	1.6	16	7.1	275	13.5
20...	1525	80513	172	120	--	759	2.2	21	7.1	275	12.7
20...	1526	80513	172	130	--	759	1.8	17	7.1	277	12.0
20...	1527	80513	172	140	--	759	.2	2	7.1	284	10.8
20...	1528	80513	172	150	--	759	.2	2	7.1	293	9.7
20...	1529	80513	172	160	--	759	.2	2	7.1	296	8.9
20...	1530	80513	172	170	--	759	.2	1	7.1	298	8.4
20...	1531	80513	172	172	--	759	.2	1	7.1	300	8.3
NOV											
17...	1604	80513	173	.80	4.70	767	7.2	74	7.8	280	17.0
17...	1605	80513	173	10.1	--	767	7.0	71	7.8	279	16.9
17...	1606	80513	173	20.3	--	767	6.8	70	7.7	281	16.8
17...	1607	80513	173	30.1	--	767	6.7	68	7.7	280	16.8
17...	1608	80513	173	40.1	--	767	6.5	67	7.7	280	16.8
17...	1609	80513	173	50.2	--	767	6.5	66	7.7	281	16.7
17...	1610	80513	173	60.2	--	767	6.3	64	7.7	281	16.7
17...	1611	80513	173	70.2	--	767	5.4	55	7.5	282	16.4
17...	1613	80513	173	80.2	--	767	3.3	32	7.3	284	15.3
17...	1614	80513	173	90.1	--	767	.5	5	7.1	282	15.4
17...	1615	80513	173	100	--	767	.3	3	7.0	282	14.9
17...	1616	80513	173	110	--	767	.2	2	7.0	280	14.0
17...	1617	80513	173	120	--	767	.2	2	7.0	281	13.1
17...	1618	80513	173	130	--	767	.2	2	7.0	282	12.4
17...	1619	80513	173	140	--	767	.2	2	7.0	287	11.3
17...	1620	80513	173	150	--	767	.2	2	7.0	294	10.1
17...	1621	80513	173	160	--	767	.2	2	7.0	298	9.1
17...	1622	80513	173	170	--	767	.2	1	7.0	301	8.5
17...	1623	80513	173	173	--	767	.2	2	7.0	306	8.4
DEC											
28...	1413	80513	171	.40	4.30	766	8.6	77	8.1	280	10.7
28...	1414	80513	171	10.1	--	766	8.4	75	8.1	280	10.6
28...	1415	80513	171	20.1	--	766	8.4	75	8.0	280	10.6
28...	1416	80513	171	30.1	--	766	8.3	74	8.0	280	10.6
28...	1417	80513	171	40.2	--	766	8.3	74	8.0	280	10.6
28...	1418	80513	171	50.1	--	766	8.3	74	8.0	280	10.5
28...	1419	80513	171	60.0	--	766	8.3	74	8.0	280	10.5
28...	1420	80513	171	70.3	--	766	8.2	73	8.0	280	10.4
28...	1421	80513	171	80.4	--	766	8.3	74	8.0	279	10.3
28...	1422	80513	171	90.3	--	766	8.2	73	8.0	280	10.3
28...	1423	80513	171	100	--	766	8.0	71	8.0	280	10.2
28...	1424	80513	171	110	--	766	7.5	66	7.9	281	10.1
28...	1425	80513	171	120	--	766	7.8	69	8.0	280	10.1
28...	1426	80513	171	130	--	766	7.6	67	7.9	281	10.0
28...	1427	80513	171	140	--	766	7.1	62	7.9	281	9.9
28...	1428	80513	171	150	--	766	5.3	46	7.7	284	9.8
28...	1429	80513	171	160	--	766	2.2	20	7.5	288	9.7
28...	1430	80513	171	170	--	766	.6	5	7.5	299	9.4
28...	1431	80513	171	171	--	766	.4	3	7.6	301	9.3

WHITE RIVER BASIN

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
MAR 2005											
23...	1257	80513	176	.80	3.00	767	10.8	93	8.3	270	9.2
23...	1258	80513	176	10.2	--	767	10.5	91	8.3	270	9.2
23...	1259	80513	176	20.3	--	767	10.4	90	8.3	270	9.1
23...	1300	80513	176	30.3	--	767	10.4	89	8.3	270	9.0
23...	1301	80513	176	40.2	--	767	10.4	89	8.3	270	9.0
23...	1302	80513	176	50.4	--	767	10.3	88	8.3	270	8.9
23...	1303	80513	176	60.2	--	767	10.4	89	8.3	270	8.9
23...	1304	80513	176	70.6	--	767	10.3	89	8.3	270	8.9
23...	1305	80513	176	80.2	--	767	10.2	88	8.3	271	8.8
23...	1306	80513	176	90.3	--	767	10.2	87	8.3	270	8.8
23...	1307	80513	176	100	--	767	10.1	86	8.2	270	8.6
23...	1308	80513	176	110	--	767	9.9	84	8.2	270	8.4
23...	1309	80513	176	120	--	767	9.9	84	8.2	268	8.4
23...	1310	80513	176	130	--	767	9.8	82	8.2	270	8.3
23...	1311	80513	176	140	--	767	9.6	81	8.1	271	8.2
23...	1312	80513	176	151	--	767	9.2	77	8.1	273	7.9
23...	1313	80513	176	160	--	767	9.1	76	8.1	272	7.9
23...	1314	80513	176	170	--	767	8.5	70	8.0	274	7.7
23...	1315	80513	176	176	--	767	7.6	63	7.9	276	7.6
JUN											
16...	1353	80513	173	.00	4.70	754	8.3	104	8.3	267	26.7
16...	1354	80513	173	10.0	--	754	8.2	103	8.2	267	26.7
16...	1355	80513	173	20.0	--	754	8.1	102	8.2	267	26.6
16...	1356	80513	173	25.0	--	754	8.6	107	8.2	267	26.0
16...	1357	80513	173	26.0	--	754	9.5	116	8.2	266	24.7
16...	1358	80513	173	27.0	--	754	9.9	118	8.2	268	23.7
16...	1359	80513	173	28.0	--	754	10.9	127	8.2	267	22.4
16...	1400	80513	173	29.0	--	754	11.2	126	8.2	270	20.3
16...	1401	80513	173	30.0	--	754	10.5	115	8.2	270	19.1
16...	1402	80513	173	31.0	--	754	10.0	107	8.1	272	18.1
16...	1403	80513	173	32.0	--	754	9.9	104	8.1	272	17.2
16...	1404	80513	173	35.0	--	754	9.3	96	8.0	273	16.2
16...	1405	80513	173	40.0	--	754	8.7	88	7.9	274	15.4
16...	1406	80513	173	50.0	--	754	7.7	76	7.7	276	14.3
16...	1407	80513	173	60.0	--	754	7.0	67	7.4	276	12.6
16...	1408	80513	173	70.0	--	754	7.0	65	7.4	277	11.2
16...	1409	80513	173	80.0	--	754	7.2	65	7.3	278	10.5
16...	1410	80513	173	90.0	--	754	7.6	68	7.3	274	9.9
16...	1411	80513	173	100	--	754	7.7	68	7.3	274	9.5
16...	1412	80513	173	120	--	754	7.6	66	7.3	274	8.9
16...	1414	80513	173	130	--	754	7.3	63	7.2	274	8.6
16...	1415	80513	173	140	--	754	7.1	61	7.2	274	8.4
16...	1416	80513	173	150	--	754	6.6	57	7.2	273	8.2
16...	1417	80513	173	160	--	754	6.3	54	7.2	274	8.2
16...	1418	80513	173	170	--	754	5.0	43	7.1	276	8.1
16...	1419	80513	173	173	--	754	4.0	35	7.0	277	8.1
JUL											
13...	1602	80513	172	.50	5.50	760	7.9	103	8.2	264	29.2
13...	1603	80513	172	10.0	--	760	8.0	104	8.3	264	28.5
13...	1604	80513	172	20.0	--	760	8.1	105	8.2	264	28.3
13...	1605	80513	172	23.1	--	760	9.9	125	8.2	264	27.1
13...	1606	80513	172	23.9	--	760	10.7	133	8.2	264	26.6
13...	1608	80513	172	25.9	--	760	11.8	144	8.2	265	25.2
13...	1609	80513	172	27.1	--	760	12.1	142	8.2	266	23.5
13...	1610	80513	172	28.0	--	760	11.9	137	8.1	269	22.3
13...	1611	80513	172	30.1	--	760	11.2	126	8.1	271	20.6
13...	1612	80513	172	32.0	--	760	10.5	115	8.0	273	19.5
13...	1613	80513	172	33.9	--	760	9.8	103	7.9	275	17.9
13...	1614	80513	172	37.1	--	760	9.1	94	7.8	277	16.9
13...	1615	80513	172	40.1	--	760	8.4	85	7.7	277	15.9
13...	1616	80513	172	46.9	--	760	7.8	78	7.6	278	15.2
13...	1617	80513	172	50.1	--	760	7.2	71	7.5	279	14.7
13...	1618	80513	172	60.0	--	760	6.3	61	7.3	280	13.5
13...	1619	80513	172	69.9	--	760	5.8	54	7.2	281	12.3
13...	1620	80513	172	80.1	--	760	5.8	53	7.2	282	11.2
13...	1621	80513	172	89.9	--	760	6.3	57	7.2	281	10.5
13...	1622	80513	172	100	--	760	6.6	59	7.2	279	9.8
13...	1623	80513	172	110	--	760	6.9	60	7.2	278	9.5
13...	1624	80513	172	120	--	760	6.6	58	7.1	278	9.1
13...	1625	80513	172	130	--	760	6.4	55	7.1	277	8.8
13...	1626	80513	172	140	--	760	5.9	50	7.1	278	8.5
13...	1627	80513	172	150	--	760	5.5	47	7.0	278	8.4
13...	1628	80513	172	160	--	760	4.8	41	7.0	280	8.3
13...	1629	80513	172	170	--	760	3.9	33	7.0	280	8.2
13...	1630	80513	172	172	--	760	3.5	30	7.0	280	8.2

WHITE RIVER BASIN

07054500 BULL SHOALS LAKE NEAR FLIPPIN--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
AUG 2005											
24...	0747	80513	170	1.10	6.20	756	7.4	98	8.0	255	29.2
24...	0748	80513	170	10.0	--	756	7.6	100	8.0	254	29.2
24...	0749	80513	170	20.0	--	756	7.3	97	8.0	255	29.2
24...	0751	80513	170	23.0	--	756	8.5	112	8.0	255	28.8
24...	0752	80513	170	23.9	--	756	13.0	164	8.0	255	26.7
24...	0753	80513	170	26.0	--	756	12.7	156	8.0	257	25.1
24...	0754	80513	170	26.9	--	756	12.8	154	8.0	258	24.4
24...	0755	80513	170	28.0	--	756	12.3	147	8.0	261	23.6
24...	0756	80513	170	29.0	--	756	11.9	139	8.0	263	22.7
24...	0757	80513	170	30.0	--	756	10.9	125	7.9	267	21.8
24...	0758	80513	170	32.0	--	756	9.9	111	7.8	271	20.5
24...	0759	80513	170	34.0	--	756	9.2	102	7.8	273	19.8
24...	0800	80513	170	36.9	--	756	8.2	89	7.7	275	18.9
24...	0801	80513	170	40.0	--	756	7.1	76	7.5	277	18.2
24...	0802	80513	170	45.0	--	756	6.9	72	7.5	276	17.5
24...	0803	80513	170	50.0	--	756	6.1	63	7.3	277	16.6
24...	0804	80513	170	55.0	--	756	4.9	50	7.2	278	15.7
24...	0805	80513	170	60.0	--	756	4.2	43	7.1	280	15.1
24...	0806	80513	170	70.0	--	756	3.5	34	7.0	284	14.0
24...	0807	80513	170	80.0	--	756	3.4	32	7.0	284	13.0
24...	0808	80513	170	90.1	--	756	3.7	35	7.0	285	11.9
24...	0809	80513	170	100	--	756	4.0	37	7.0	284	11.1
24...	0810	80513	170	110	--	756	4.2	38	7.0	283	10.4
24...	0811	80513	170	120	--	756	4.3	38	7.0	282	9.7
24...	0812	80513	170	130	--	756	4.4	39	7.0	281	9.5
24...	0813	80513	170	140	--	756	3.6	32	6.9	282	9.1
24...	0814	80513	170	150	--	756	2.9	25	6.9	282	8.9
24...	0815	80513	170	160	--	756	2.2	19	6.8	282	8.8
24...	0816	80513	170	170	--	756	.5	4	6.8	283	8.5
SEP											
23...	1629	80513	168	.50	4.50	754	8.1	105	8.1	257	28.0
23...	1631	80513	168	9.90	--	754	8.0	103	8.1	257	28.0
23...	1632	80513	168	20.0	--	754	8.5	108	8.1	256	26.8
23...	1633	80513	168	30.0	--	754	8.9	110	8.0	260	25.1
23...	1634	80513	168	31.0	--	754	10.4	127	8.0	264	24.4
23...	1635	80513	168	32.0	--	754	11.1	132	8.0	270	23.3
23...	1636	80513	168	33.0	--	754	10.8	126	7.9	272	22.6
23...	1637	80513	168	34.0	--	754	10.2	118	7.9	274	21.7
23...	1638	80513	168	35.0	--	754	9.9	113	7.8	275	21.3
23...	1639	80513	168	38.0	--	754	8.9	100	7.7	277	20.4
23...	1640	80513	168	40.0	--	754	8.2	91	7.6	279	19.9
23...	1641	80513	168	44.9	--	754	5.7	62	7.3	282	18.8
23...	1642	80513	168	50.0	--	754	4.2	45	7.1	284	18.0
23...	1643	80513	168	56.0	--	754	3.8	39	7.1	284	17.2
23...	1644	80513	168	60.0	--	754	3.6	37	7.0	284	16.8
23...	1645	80513	168	70.0	--	754	3.1	31	7.0	285	15.7
23...	1646	80513	168	80.1	--	754	2.4	23	7.0	289	14.2
23...	1647	80513	168	90.0	--	754	2.3	22	6.9	291	12.9
23...	1648	80513	168	99.9	--	754	2.4	22	6.9	292	11.9
23...	1649	80513	168	110	--	754	2.5	23	6.9	292	11.0
23...	1650	80513	168	120	--	754	2.5	22	6.9	291	10.3
23...	1651	80513	168	130	--	754	2.3	20	6.8	290	9.7
23...	1652	80513	168	140	--	754	1.8	16	6.8	289	9.4
23...	1653	80513	168	150	--	754	1.5	13	6.8	288	9.1
23...	1654	80513	168	160	--	754	.4	3	6.7	287	8.8
23...	1655	80513	168	168	--	754	.1	1	6.7	289	8.7

WHITE RIVER BASIN

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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 continuously June through December. Water-quality records good except dissolved oxygen records for October 4-7, December 9-13, June 21-27, and July 4-7, which are fair; and October 8-20, June 28-July 5, and July 8-13, which are poor. Satellite telemeter at station.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, uS/cm wat unf (00095)	Temperature, water, deg C (00010)
OCT 2004									
20...	1436	80513	80513	765	6.6	63	7.1	278	13.8
NOV									
17...	1716	80513	80513	773	6.2	59	7.2	282	14.2
DEC									
28...	1457	80513	80513	766	10.4	94	7.9	295	11.0
MAR 2005									
23...	1045	80513	80513	767	10.8	92	8.2	271	8.6
JUN									
16...	1445	80513	80513	767	10.1	89	7.5	274	9.7
JUL									
13...	1517	80513	80513	757	6.3	57	7.2	278	10.1
AUG									
24...	0950	80513	80513	756	8.0	74	7.2	288	11.1
SEP									
23...	1723	80513	80513	754	6.0	56	7.0	290	12.1

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.6	3.8	6.0	8.8	2.8	5.4	8.7	6.6	7.2	---	---	---
2	7.7	4.5	6.4	8.3	3.0	5.9	9.7	6.9	7.6	---	---	---
3	8.3	4.0	6.6	8.7	4.4	6.8	8.8	7.0	7.8	---	---	---
4	7.2	3.8	5.2	8.8	5.7	7.2	9.8	7.7	8.5	---	---	---
5	8.5	4.3	6.5	8.9	4.1	7.5	9.8	7.8	8.6	---	---	---
6	8.3	3.5	5.9	8.5	4.0	6.7	9.5	7.8	8.4	---	---	---
7	7.7	3.7	5.4	8.4	2.9	6.7	10.1	7.8	8.6	---	---	---
8	7.8	3.7	6.3	8.8	3.2	6.7	9.8	8.2	8.9	---	---	---
9	8.1	3.9	5.9	7.5	3.5	5.4	10.2	7.2	8.4	---	---	---
10	8.2	4.9	6.8	7.9	3.7	6.1	9.6	8.0	8.6	---	---	---
11	8.1	4.0	6.4	7.8	4.9	7.0	9.7	9.1	9.4	---	---	---
12	8.8	4.2	7.2	8.0	4.8	7.1	9.8	9.2	9.4	---	---	---
13	9.4	4.3	6.9	8.3	5.8	7.4	9.9	9.3	9.6	---	---	---
14	10.4	4.2	6.3	8.4	2.7	5.8	10.0	9.6	9.8	---	---	---
15	9.5	4.0	6.9	7.8	2.4	6.1	10.2	9.5	9.7	---	---	---
16	9.6	5.7	7.7	7.4	5.6	6.8	11.0	9.2	9.7	---	---	---
17	9.6	5.4	7.3	7.1	4.9	5.8	11.2	9.5	9.9	---	---	---
18	9.6	4.1	7.1	7.4	5.0	6.3	11.2	9.5	10.1	---	---	---
19	9.9	4.5	7.9	7.1	4.9	6.2	11.2	9.7	10.2	---	---	---
20	9.8	6.5	8.2	7.8	5.6	6.8	11.0	9.0	9.7	---	---	---
21	9.2	5.5	7.9	8.1	2.4	6.4	11.2	9.2	9.9	---	---	---
22	8.2	4.6	6.8	7.5	2.6	6.3	11.8	9.6	10.0	---	---	---
23	8.1	3.5	5.7	7.6	4.4	6.2	11.8	9.2	10.1	---	---	---
24	7.8	3.9	6.1	8.9	5.6	6.9	11.6	9.6	10.3	---	---	---
25	7.6	3.5	5.5	8.9	3.1	7.4	11.6	9.6	10.2	---	---	---
26	7.5	3.3	5.3	8.6	4.8	6.3	11.8	9.8	10.7	---	---	---
27	8.0	3.3	5.7	8.3	5.1	6.6	11.4	9.8	10.6	---	---	---
28	8.3	3.7	6.7	8.0	5.5	6.7	11.9	9.8	10.5	---	---	---
29	8.3	2.9	5.5	8.0	5.7	6.9	11.2	8.9	10	---	---	---
30	8.8	5.0	7.0	8.7	6.0	7.1	10.3	8.6	9.5	---	---	---
31	6.6	3.1	4.3	---	---	---	10.9	8.6	9.4	---	---	---
MONTH	10.4	2.9	6.4	8.9	2.4	6.5	11.9	6.6	9.4	---	---	---

WHITE RIVER BASIN

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.4	7.4	9.3	9.6	7.3	8.5	8.6	6.2	7.3	10.2	5.4	7.3
2	12.4	6.6	8.9	10.1	7.2	8.5	9.3	5.8	7.4	9.6	4.8	7.2
3	12.2	6.6	9.1	9.8	7.8	8.3	8.3	5.7	6.6	8.9	5.6	7.8
4	11.8	6.5	8.4	9.6	7.0	8.4	8.2	5.6	6.5	8.8	4.7	6.6
5	11.7	6.6	8.5	9.4	6.9	8.2	9.6	5.5	6.5	8.8	4.7	6.7
6	11.1	6.7	8.4	9.3	7.1	8.1	8.2	5.5	6.6	7.9	4.7	5.9
7	10.2	8.0	8.9	9.5	6.8	7.8	8.7	5.4	6.9	8.5	4.6	6.5
8	11.0	6.7	8.4	9.4	7.2	8.5	7.7	5.4	6.3	9.3	4.7	7.1
9	9.1	6.8	8.1	9.4	7.0	8.5	9.3	5.4	6.7	9.2	4.7	6.7
10	---	---	---	9.3	6.8	7.9	8.8	5.4	6.7	9.3	4.7	6.8
11	---	---	---	8.4	6.9	7.7	8.6	5.4	6.7	10.5	4.9	7.7
12	---	---	---	9.1	6.6	7.6	9.1	5.5	6.8	9.1	4.7	6.0
13	---	---	---	7.8	6.2	6.8	8.2	5.4	6.6	8.7	4.5	6.0
14	---	---	---	8.5	5.9	6.8	8.9	5.4	6.7	10.6	4.6	7.0
15	11.9	9.4	10.5	7.8	6.2	6.9	8.2	5.4	6.2	9.1	5.4	7.4
16	11.7	8.0	9.9	8.3	6.3	7.3	9.4	5.8	7.8	8.6	4.6	6.9
17	11.7	7.8	9.5	8.8	6.0	7.1	8.2	5.4	6.4	8.5	4.5	6.5
18	10.4	7.8	9.2	9.3	6.1	7.3	9.2	5.4	6.4	9.3	4.1	5.9
19	10.6	7.9	9.2	8.7	6.4	7.3	9.1	5.3	6.4	8.4	4.6	6.9
20	11.2	7.7	9.5	8.9	6.1	7.1	9.2	5.2	7.5	8.0	4.2	5.8
21	11.6	7.8	9.1	8.7	6.3	7.3	8.1	5.1	6.3	8.3	4.0	6.1
22	12.1	7.7	9.2	8.9	6.2	7.2	8.4	5.1	6.3	8.6	3.9	5.4
23	10.7	7.6	9.0	8.7	6.1	7.0	8.1	5.2	6.4	8.5	3.8	5.4
24	11.9	7.6	9.0	8.8	6.1	7.1	8.9	5.4	7.1	8.8	3.9	5.8
25	10.2	7.5	8.8	8.8	6.0	7.1	8.1	5.1	6.3	7.7	3.9	5.7
26	10.4	7.3	8.8	8.4	5.8	6.7	8.7	5.0	6.7	8.8	3.8	5.4
27	10.4	7.4	9.1	7.9	6.3	7.1	9.6	5.0	6.7	8.4	3.8	5.8
28	10.1	7.3	8.7	8.5	6.2	6.9	8.8	4.9	6.0	8.4	3.8	6.1
29	10.0	7.2	8.3	8.2	6.0	7.1	9.0	4.7	6.1	10.5	4.2	6.8
30	10.0	7.3	8.3	7.8	6.0	6.9	8.1	5.0	6.5	9.8	3.9	6.4
31	---	---	---	8.6	6.2	7.3	9.1	5.2	7.3	---	---	---
MONTH	---	---	---	10.1	5.8	7.5	9.6	4.7	6.7	10.6	3.8	6.5

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	12.4	13.2	14.1	13.0	13.7	14.5	14.0	14.3	---	---	---
2	14.5	12.5	13.4	14.3	13.2	14.0	14.1	13.9	14.0	---	---	---
3	13.6	11.8	13.1	14.3	13.9	14.1	14.1	13.8	14.0	---	---	---
4	13.5	12.0	13.1	14.8	13.7	14.4	13.9	13.8	13.8	---	---	---
5	13.6	12.2	13.2	14.5	13.9	14.1	13.8	13.6	13.7	---	---	---
6	13.4	12.0	13.1	14.2	13.8	13.9	13.6	13.6	13.6	---	---	---
7	13.6	13.2	13.4	14.2	12.7	13.9	13.8	13.5	13.7	---	---	---
8	13.6	13.3	13.4	14.2	13.8	14.0	13.8	13.4	13.6	---	---	---
9	13.7	13.3	13.5	14.1	13.7	13.9	13.5	13.3	13.4	---	---	---
10	13.5	12.9	13.3	14.1	13.7	13.9	13.6	13.4	13.5	---	---	---
11	13.7	12.8	13.4	14.4	13.7	14.0	13.6	13.4	13.5	---	---	---
12	13.6	13.2	13.4	14.6	14.3	14.4	13.4	13.3	13.3	---	---	---
13	14.1	12.5	13.2	14.5	13.8	14.3	13.3	13.1	13.2	---	---	---
14	14.2	12.1	13.0	14.0	12.4	13.4	13.1	12.8	13.0	---	---	---
15	14.4	11.9	13.4	14.0	12.7	13.7	12.8	12.6	12.7	---	---	---
16	14.1	13.6	13.8	14.1	13.9	14.0	12.6	12.4	12.5	---	---	---
17	13.9	13.5	13.6	14.2	14.0	14.1	12.5	12.3	12.4	---	---	---
18	14.1	13.4	13.7	14.2	14.0	14.2	12.3	12.2	12.2	---	---	---
19	14.2	13.4	13.7	14.4	13.9	14.2	12.2	12.1	12.2	---	---	---
20	13.8	13.6	13.7	14.4	13.9	14.2	12.1	11.8	11.9	---	---	---
21	13.7	13.4	13.5	14.4	13.1	14.1	11.8	11.7	11.8	---	---	---
22	13.7	13.5	13.6	14.4	13.4	14.2	11.7	11.5	11.6	---	---	---
23	14.3	12.9	13.8	14.4	14.1	14.3	11.5	11.2	11.3	---	---	---
24	14.1	13.5	13.8	15.0	14.0	14.5	11.2	11.0	11.1	---	---	---
25	14.1	13.8	13.9	15.0	13.3	14.6	11.0	10.8	10.9	---	---	---
26	14.1	13.0	13.8	14.3	14.0	14.2	10.8	10.6	10.7	---	---	---
27	14.1	12.8	13.6	14.9	13.8	14.2	10.6	10.3	10.5	---	---	---
28	14.0	13.0	13.7	14.9	14.1	14.4	10.3	10.1	10.2	---	---	---
29	14.2	12.8	13.7	14.1	14.0	14.0	10.9	9.6	10.1	---	---	---
30	14.4	13.7	14.0	14.4	14.0	14.2	10.7	9.9	10.2	---	---	---
31	14.2	12.7	13.1	---	---	---	11.4	9.8	10.3	---	---	---
MONTH	14.5	11.8	13.5	15.0	12.4	14.1	14.5	9.6	12.4	---	---	---

WHITE RIVER BASIN

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

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.3	8.7	9.7	10.4	9.3	9.8	10.8	10.3	10.6	13.3	10.2	11.2
2	13.0	8.9	9.9	10.0	9.2	9.7	11.6	10.2	10.7	12.0	10.5	11.4
3	13.2	8.8	10	10.2	9.5	9.7	11.6	9.8	10.5	12.4	11.1	11.3
4	12.7	8.9	9.7	13.7	9.3	10.3	13.3	9.8	10.7	12.0	10.4	11.1
5	12.8	9.0	9.9	13.5	9.3	10.2	13.0	10.0	10.7	12.1	10.1	10.9
6	13.0	8.9	9.7	13.9	9.4	10.4	12.0	9.9	10.5	13.2	10.2	11.1
7	9.8	9.3	9.5	9.9	9.0	9.6	13.0	9.8	10.5	12.8	10.2	11.1
8	12.9	8.9	9.7	10.2	9.6	9.8	11.0	9.7	10.5	12.3	10.2	11.2
9	9.6	9.0	9.3	10.2	9.6	9.8	12.8	10.0	10.7	12.2	10.2	11.1
10	---	---	---	12.6	9.7	10.2	13.0	9.8	10.7	12.1	10.2	11.0
11	---	---	---	10.0	9.7	9.9	13.2	9.9	10.8	13.5	10.3	11.6
12	---	---	---	10.1	9.5	9.9	12.6	9.9	10.7	12.4	10.2	11.2
13	---	---	---	10.0	9.3	9.7	13.5	9.9	10.8	12.0	10.4	11.2
14	---	---	---	10.1	9.5	9.8	13.0	10.0	10.8	12.6	10.7	11.5
15	10.6	9.3	9.7	10.1	9.6	9.9	11.2	10.0	10.6	12.1	11.2	11.7
16	10.0	9.0	9.4	10.3	9.7	10.0	11.7	10.2	10.8	12.0	10.7	11.6
17	11.2	9.0	9.6	11.3	9.5	10.0	11.6	10.3	10.8	11.9	10.4	11.3
18	9.7	9.0	9.4	12.2	9.5	10.2	12.7	10.1	10.9	11.9	10.3	11.2
19	9.8	8.8	9.4	10.9	9.8	10.2	11.8	10.1	11.0	13.5	10.8	11.9
20	13.1	8.9	9.9	11.8	9.7	10.3	13.0	10.5	11.2	12.3	10.6	11.6
21	11.7	9.0	9.6	11.7	9.6	10.2	13.4	10.3	11.0	12.1	10.9	11.7
22	12.8	9.0	9.9	10.5	9.7	10.2	12.0	10.1	10.8	12.1	10.5	11.4
23	12.7	9.1	9.8	10.4	9.7	10.2	12.1	10.3	11.0	12.1	10.6	11.4
24	13.6	9.1	10.1	10.4	10.1	10.3	12.7	10.4	11.1	12.5	10.6	11.5
25	13.2	9.1	10.0	10.6	9.7	10.3	12.9	10.3	11.1	12.6	10.9	12.1
26	13.4	9.2	10.0	10.7	9.6	10.4	12.8	10.3	11.1	13.6	10.8	11.8
27	11.1	9.2	9.6	10.8	10.4	10.6	11.6	10.3	10.9	12.1	11.0	11.7
28	13.3	9.2	10.0	10.5	10.1	10.4	11.5	10.2	10.9	12.2	10.5	11.7
29	10.5	9.2	9.6	12.5	9.4	10.3	12.4	10.2	11.0	13.1	10.3	11.9
30	12.8	9.2	10.1	10.7	10.3	10.5	12.8	10.6	11.3	12.8	10.2	11.3
31	---	---	---	10.8	10.3	10.5	13.0	10.7	11.4	---	---	---
MONTH	---	---	---	13.9	9.0	10.1	13.5	9.7	10.8	13.6	10.1	11.4

WHITE RIVER BASIN

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.7	6.6	10.4	10.1	6.9	8.6	9.8	7.2	8.5	12.6	6.5	8.3
2	15.8	6.5	10.3	10.1	7.7	8.7	12.8	6.5	8.4	12.3	6.6	8.1
3	14.8	6.6	10.3	10.0	8.1	8.8	12.7	6.3	7.9	11.1	6.1	8.4
4	14.5	6.6	9.3	11.9	7.2	9.1	13.2	6.3	8.1	11.8	6.3	7.8
5	14.2	6.3	9.3	11.9	7.1	8.9	11.4	6.6	7.9	12.2	6.2	8.2
6	14.2	6.5	9.3	11.6	7.9	9.1	12.2	6.4	8.3	13.3	5.8	8.0
7	11.4	9.0	9.7	9.9	7.4	8.6	12.7	6.3	8.3	13.0	6.0	8.5
8	13.6	6.9	9.2	9.9	8.2	9.0	9.8	6.0	7.3	10.1	6.4	8.2
9	10.3	7.5	9.2	10.0	8.4	9.2	---	---	---	13.3	6.4	8.6
10	10.2	7.4	9.3	11.3	8.1	8.8	---	---	---	13.7	6.6	9.1
11	10.9	8.9	9.9	9.5	8.2	8.9	12.2	6.4	8.0	15.2	7.1	10.2
12	13.8	7.0	9.8	9.5	8.0	8.7	12.0	6.3	7.9	13.2	6.0	8.0
13	10.6	8.8	9.5	9.3	7.2	8.3	12.3	6.4	8.2	11.6	6.8	8.3
14	10.9	9.1	9.8	9.9	7.3	8.3	12.5	6.2	7.9	13.4	7.1	9.2
15	12.6	9.0	9.9	9.6	7.5	8.3	10.9	6.2	7.2	11.4	6.8	9.3
16	12.3	7.4	9.8	9.5	7.2	8.3	12.3	7.1	8.4	11.3	7.5	9.3
17	14.1	7.2	9.5	10.9	7.0	8.3	10.5	5.9	7.4	11.8	7.8	9.8
18	10.9	7.4	9.5	11.3	6.8	8.3	12.1	5.9	7.7	12.9	7.5	9.7
19	11.2	7.5	9.7	10.2	7.2	8.3	11.3	5.8	7.3	17.1	7.9	10.7
20	13.6	7.6	9.8	11.8	7.1	8.3	12.7	7.2	9.0	16.8	8.1	10.2
21	12.2	7.4	9.3	12.2	7.5	8.6	12.8	6.2	8.4	17.6	6.8	9.7
22	13.2	7.6	9.7	9.4	7.2	8.3	12.8	6.4	8.0	10.2	5.0	7.6
23	13.2	7.5	9.8	9.8	7.1	8.3	12.6	6.6	8.0	12.6	5.3	6.8
24	13.0	7.6	9.6	9.5	7.4	8.3	13.6	6.1	8.4	14.1	5.4	7.8
25	13.0	7.5	9.7	9.8	7.0	8.3	13.2	6.1	7.8	12.3	5.8	7.6
26	12.9	7.4	9.7	9.0	6.9	7.8	13.5	6.4	8.1	14.5	4.8	7.3
27	11.8	8.0	9.9	9.2	6.9	8.2	10.9	6.2	8.3	10.1	5.7	7.5
28	13.0	7.7	9.8	9.8	7.6	8.6	9.1	6.0	7.3	9.4	6.0	7.3
29	10.2	7.7	8.7	13.4	7.5	9.1	12.4	5.6	7.4	16.0	6.5	9.5
30	11.8	7.0	8.6	9.4	7.7	8.4	13.1	6.0	8.1	16.4	5.9	9.7
31	---	---	---	10.0	8.0	8.7	13.4	6.4	8.8	---	---	---
MONTH	15.8	6.3	9.6	13.4	6.8	8.6	---	---	---	17.6	4.8	8.6

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.4	13.1	13.6	17.7	13.9	15.2	14.3	13.5	14.0	---	---	---
2	18.5	13.3	14.8	15.3	14.1	14.4	13.9	13.7	13.8	---	---	---
3	14.8	12.0	13.5	14.3	13.9	14.1	14.0	13.7	13.8	---	---	---
4	14.3	12.8	13.5	14.8	13.6	14.3	13.8	13.6	13.7	---	---	---
5	14.7	12.7	13.6	14.9	13.8	14.2	13.6	13.5	13.6	---	---	---
6	14.6	12.4	13.4	15.6	13.8	14.3	13.5	13.4	13.5	---	---	---
7	14.1	13.2	13.6	15.5	12.7	14.1	13.8	13.3	13.6	---	---	---
8	14.8	13.6	13.9	14.8	13.4	14.1	13.6	13.3	13.5	---	---	---
9	15.1	13.6	13.9	14.4	13.3	13.9	13.5	13.1	13.3	---	---	---
10	14.6	13.7	14.1	14.4	13.4	13.9	13.6	13.2	13.4	---	---	---
11	15.8	13.6	14.4	14.2	13.8	14.1	13.5	13.3	13.5	---	---	---
12	13.8	13.5	13.6	14.8	13.8	14.3	13.4	13.1	13.3	---	---	---
13	15.9	13.0	14.3	14.9	13.4	14.0	13.2	13.0	13.1	---	---	---
14	14.0	11.8	13.2	13.8	11.8	13.1	13.0	12.7	12.8	---	---	---
15	14.6	11.5	13.4	14.6	12.3	13.7	12.8	12.4	12.6	---	---	---
16	14.5	13.6	14.0	14.5	13.7	14.1	12.5	12.0	12.4	---	---	---
17	14.6	13.6	13.9	14.4	13.8	14.1	12.4	12.0	12.2	---	---	---
18	14.9	13.6	14.1	14.2	14.0	14.1	12.2	11.8	12.0	---	---	---
19	14.6	13.6	14.0	14.4	14.0	14.2	12.1	11.7	11.9	---	---	---
20	14.0	13.8	13.9	14.5	13.8	14.2	11.8	11.4	11.7	---	---	---
21	13.8	13.7	13.7	14.4	13.3	14.2	11.7	11.3	11.6	---	---	---
22	13.9	13.7	13.8	14.3	13.9	14.2	11.5	10.7	11.4	---	---	---
23	14.8	13.8	14.2	14.4	14.1	14.3	11.3	10.7	11.0	---	---	---
24	14.9	13.2	14.0	14.8	14.1	14.4	11.0	10.4	10.8	---	---	---
25	14.5	13.8	14.1	14.9	11.6	14.2	10.9	10.4	10.7	---	---	---
26	14.5	13.9	14.2	14.3	13.9	14.1	10.9	10.4	10.6	---	---	---
27	14.7	13.9	14.3	14.7	13.7	14.1	10.6	10.1	10.3	---	---	---
28	15.1	14.0	14.4	14.6	13.9	14.3	11.0	9.9	10.3	---	---	---
29	15.0	13.9	14.5	14.0	13.8	13.9	14.1	9.2	10.8	---	---	---
30	15.1	13.8	14.4	14.0	13.6	13.9	11.9	10.0	10.7	---	---	---
31	14.7	13.9	14.3	---	---	---	13.9	10.0	11.4	---	---	---
MONTH	18.5	11.5	14.0	17.7	11.6	14.1	14.3	9.2	12.3	---	---	---

WHITE RIVER BASIN

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

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.2	9.8	11.8	13.9	10.0	11.5	12.2	10.6	11.0	15.5	11.5	12.5
2	16.8	10.2	12.1	12.0	9.9	10.7	15.9	10.7	11.3	14.8	11.7	12.5
3	16.6	10.2	12.1	12.6	10.0	10.9	16.4	10.8	12.1	14.7	11.6	12.2
4	16.8	9.8	11.7	17.0	10.1	12.7	17.2	10.9	12.2	15.1	11.7	12.4
5	16.5	10.2	12.7	17.7	10.1	11.7	15.3	11.0	12.0	15.4	11.6	12.6
6	17.9	10.1	12.0	17.9	10.0	11.9	14.7	10.9	12.1	17.6	11.4	12.4
7	11.8	9.5	10.3	12.0	10.0	10.8	15.8	11.2	12.3	16.5	11.7	12.8
8	17.1	9.6	11.4	11.9	10.0	10.6	13.3	11.0	11.8	13.6	11.7	12.3
9	11.9	9.5	10.2	12.2	10.1	10.8	---	---	---	15.1	11.8	12.5
10	11.6	9.8	10.4	17.1	10.0	11.1	---	---	---	15.4	11.7	12.8
11	12.5	9.8	10.5	10.6	10.0	10.2	17.1	11.0	12.4	17.5	11.6	13.0
12	17.5	10.0	12.2	10.9	9.9	10.2	16.2	11.1	12.1	15.0	11.8	12.4
13	10.9	9.7	10.2	12.2	10.1	10.7	17.9	11.4	12.7	14.0	11.8	12.7
14	11.7	9.4	10.2	12.4	10.1	10.8	17.4	11.6	13.0	14.8	12.0	13.1
15	15.1	9.6	10.8	11.6	10.2	10.7	13.8	10.9	12.1	15.5	11.8	12.9
16	12.2	9.9	10.5	12.1	10.1	10.6	14.2	11.1	12.2	13.5	11.9	12.3
17	14.0	9.8	10.9	15.4	10.3	11.3	14.0	11.3	12.4	13.8	11.6	12.4
18	11.5	9.8	10.7	14.4	10.4	11.0	16.9	11.4	12.5	12.9	11.6	12.0
19	11.6	9.8	10.7	12.6	10.3	10.8	15.0	11.5	12.5	17.7	11.8	12.9
20	17.1	9.8	11.3	15.6	10.3	11.6	17.5	11.5	12.7	15.8	12.4	13.1
21	13.7	9.9	11.3	15.9	10.4	11.4	18.2	11.5	13.1	16.3	12.1	13.0
22	16.4	9.9	11.7	12.0	10.4	10.9	15.3	11.3	12.4	14.4	12.1	13.0
23	18.4	9.8	12.0	12.5	10.5	11.2	15.3	11.3	12.6	14.4	12.1	12.8
24	16.9	10.0	12.1	11.3	10.5	10.6	16.5	11.4	12.4	15.3	12.1	13.1
25	17.3	10.9	12.7	12.0	10.6	11.0	16.5	11.6	12.7	15.4	13.2	14.5
26	17.0	10.4	12.0	12.8	10.7	11.3	17.3	11.5	12.9	17.8	12.0	13.3
27	13.4	10.0	11.0	14.1	10.7	11.6	13.8	11.6	12.8	13.6	11.9	12.7
28	17.5	10.2	12.0	11.7	10.5	10.8	13.8	11.7	12.4	14.0	11.7	12.7
29	13.2	10.0	11.5	15.7	10.6	11.4	15.2	11.4	12.6	17.8	11.7	13.7
30	17.2	10.3	12.4	11.6	10.5	10.9	16.7	11.3	13.3	17.3	10.9	13.1
31	---	---	---	11.8	10.6	11.0	17.2	11.2	12.2	---	---	---
MONTH	18.4	9.4	11.4	17.9	9.9	11.1	---	---	---	17.8	10.9	12.8

WHITE RIVER BASIN

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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 continuously June through December. Water-quality records are good except dissolved oxygen records for June 23-24, July 17-10, which are fair; and November 11-16, June 25-29, July 19-27, and September 12-21, which are poor. Satellite telemeter at station.

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11.8	5.3	7.9	8.7	4.3	6.8	8.9	7.3	7.9	---	---	---
2	14.8	5.3	9.5	8.8	4.8	6.9	8.9	7.6	8.0	---	---	---
3	11.2	6.3	8.4	9.3	5.4	7.8	8.9	8.1	8.4	---	---	---
4	9.4	5.2	6.8	10.8	6.7	8.5	9.7	8.1	8.9	---	---	---
5	10.0	5.2	7.4	11.3	5.8	8.7	9.7	8.2	8.9	---	---	---
6	10.6	5.0	7.3	11.0	5.9	8.3	9.5	7.9	8.6	---	---	---
7	9.7	4.6	6.6	10.3	6.4	8.0	10.1	7.9	8.6	---	---	---
8	8.5	4.8	7.0	10.7	5.0	7.9	9.4	8.4	8.8	---	---	---
9	9.4	5.0	7.3	8.5	5.3	6.5	9.8	7.9	8.5	---	---	---
10	10.6	5.7	8.0	9.8	5.1	7.1	9.8	8.1	8.8	---	---	---
11	11.2	4.9	7.5	8.7	5.8	7.2	9.7	9.1	9.4	---	---	---
12	9.5	5.2	7.4	9.8	5.6	7.4	9.8	9.2	9.5	---	---	---
13	11.6	6.4	8.8	9.8	5.6	7.6	9.9	9.5	9.7	---	---	---
14	9.7	5.6	7.7	10.2	6.0	7.7	10.0	9.8	9.9	---	---	---
15	10.1	5.5	7.7	9.0	6.0	7.1	10.0	9.5	9.8	---	---	---
16	10.3	6.1	7.7	7.6	5.7	6.6	10.5	9.3	9.7	---	---	---
17	10.4	5.7	7.4	7.2	5.4	6.1	10.5	9.3	9.8	---	---	---
18	9.2	4.5	6.9	7.4	5.5	6.5	10.9	9.3	9.9	---	---	---
19	8.0	5.3	7.1	7.4	5.8	6.6	11.0	9.8	10.2	---	---	---
20	8.9	6.0	7.7	8.1	6.8	7.5	10.8	9.3	9.9	---	---	---
21	9.2	7.0	8.3	8.7	6.7	7.8	10.9	9.5	10.0	---	---	---
22	8.4	6.0	7.2	7.7	6.0	7.0	10.8	9.9	10.2	---	---	---
23	9.4	5.7	7.5	7.4	6.1	6.8	11.4	9.7	10.5	---	---	---
24	9.7	5.4	7.4	8.1	7.1	7.6	11.4	10.0	10.6	---	---	---
25	9.0	5.3	6.7	9.3	7.0	8.4	11.3	10.0	10.4	---	---	---
26	7.4	5.0	6.4	9.2	6.0	7.5	11.8	10.1	10.8	---	---	---
27	10.8	6.3	7.6	8.5	6.5	7.2	11.7	10.2	10.8	---	---	---
28	9.3	6.0	7.9	8.5	6.4	7.6	12.1	10.1	10.9	---	---	---
29	10.6	5.2	7.7	8.0	6.8	7.5	12.6	10.3	11.3	---	---	---
30	10.7	5.8	8.0	8.5	6.8	7.6	12.0	10.0	10.8	---	---	---
31	12.0	6.4	8.8	---	---	---	12.8	7.3	9.7	---	---	---
MONTH	14.8	4.5	7.6	11.3	4.3	7.4	12.8	7.3	9.7	---	---	---

WHITE RIVER BASIN

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	8.8	5.9	7.5	9.7	7.5	8.4	13.4	6.0	8.0
2	---	---	---	9.4	6.5	7.7	12.8	6.8	8.3	12.9	6.0	7.9
3	---	---	---	9.2	6.8	7.9	14.3	6.7	8.6	11.5	6.2	8.0
4	---	---	---	12.1	6.6	8.6	13.9	6.7	8.6	12.9	5.9	7.8
5	---	---	---	11.7	6.0	7.9	12.3	6.6	8.2	14.2	6.2	8.8
6	---	---	---	12.1	6.3	8.3	13.3	6.5	8.7	14.4	5.6	7.8
7	---	---	---	10.3	6.7	7.6	13.6	6.5	9.0	12.7	5.5	8.0
8	---	---	---	9.1	7.1	7.9	12.6	6.5	8.0	9.1	6.1	7.4
9	---	---	---	9.2	7.1	8.0	12.5	6.7	8.0	13.0	6.3	8.2
10	---	---	---	10.2	6.6	7.7	13.6	6.4	8.2	13.0	6.3	8.4
11	---	---	---	8.8	6.6	7.5	13.3	6.4	8.1	13.3	6.9	8.7
12	---	---	---	8.4	6.8	7.4	12.8	6.4	7.9	11.8	5.6	7.1
13	---	---	---	8.3	6.0	7.0	13.2	6.4	8.3	11.6	5.8	7.0
14	---	---	---	8.4	5.9	7.1	13.2	5.9	8.2	11.3	6.3	7.9
15	---	---	---	8.9	6.6	7.4	12.4	5.8	7.4	10.0	5.9	7.8
16	---	---	---	9.2	6.6	7.5	13.6	6.4	8.1	9.8	6.2	7.5
17	14.2	6.7	9.3	12.0	6.4	8.0	12.1	6.1	7.5	10.4	6.4	8.2
18	9.8	6.7	8.4	11.0	6.6	7.8	12.8	6.1	7.7	10.9	6.6	7.8
19	9.8	6.8	8.4	10.8	6.9	7.7	12.6	6.0	7.5	14.2	6.3	8.5
20	13.4	7.2	9.1	12.0	6.7	8.0	12.8	6.7	8.3	13.7	5.8	8.3
21	12.2	6.5	8.6	12.9	6.9	8.4	13.6	5.6	8.1	13.3	5.7	7.7
22	13.4	6.1	8.7	9.5	7.0	7.7	13.1	5.6	7.5	11.5	5.2	7.3
23	12.9	6.4	8.9	9.5	6.9	7.8	12.9	5.9	7.6	12.2	5.7	7.0
24	12.7	6.4	8.8	9.4	6.9	7.7	14.0	6.3	8.1	12.6	5.7	7.6
25	12.7	6.3	8.8	10.3	6.8	8.0	13.7	6.0	8.0	11.5	5.9	7.7
26	12.3	6.1	8.4	9.0	6.8	7.6	13.9	5.6	8.1	11.7	5.0	6.7
27	11.3	7.0	8.3	9.3	6.7	8.0	10.6	5.9	7.7	9.4	5.3	6.9
28	12.4	6.6	8.6	9.2	7.4	8.0	10.5	5.6	7.0	8.6	5.5	6.7
29	11.1	6.1	7.8	14.4	7.3	9.3	13.5	5.2	7.2	12.3	6.2	8.3
30	11.9	5.8	7.9	8.8	7.1	7.9	14.2	5.5	7.9	12.5	5.5	8.8
31	---	---	---	10.1	7.2	8.3	13.1	5.6	8.0	---	---	---
MONTH	---	---	---	14.4	5.9	7.8	14.3	5.2	8.0	14.4	5.0	7.8

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.9	13.6	14.2	16.0	14.2	15.0	14.5	13.8	14.1	---	---	---
2	19.3	13.8	15.8	14.9	14.2	14.5	14.0	13.8	13.9	---	---	---
3	16.6	13.0	14.5	14.6	14.2	14.4	14.1	13.7	13.9	---	---	---
4	15.0	13.6	14.2	15.3	13.9	14.5	13.9	13.6	13.7	---	---	---
5	15.3	13.4	14.1	15.6	14.0	14.5	13.6	13.5	13.6	---	---	---
6	15.6	13.1	13.9	15.9	13.9	14.5	13.7	13.5	13.6	---	---	---
7	15.4	13.6	14.1	16.0	13.4	14.5	13.8	13.4	13.6	---	---	---
8	14.5	13.7	14.1	15.4	13.8	14.4	13.7	13.3	13.5	---	---	---
9	15.6	13.8	14.6	14.7	13.8	14.1	13.5	13.2	13.4	---	---	---
10	15.8	13.9	14.8	14.8	13.8	14.2	13.5	13.2	13.4	---	---	---
11	15.5	13.9	14.4	14.6	13.9	14.3	13.6	13.3	13.4	---	---	---
12	14.4	13.8	14.1	15.2	14.2	14.5	13.4	13.2	13.3	---	---	---
13	16.7	14.0	15.1	15.1	13.8	14.3	13.2	12.9	13.1	---	---	---
14	14.9	13.4	14.2	14.3	13.2	13.8	13.0	12.7	12.9	---	---	---
15	15.1	12.5	13.9	14.9	13.5	14.1	12.8	12.4	12.6	---	---	---
16	15.2	14.0	14.3	14.6	14.1	14.2	12.5	12.2	12.4	---	---	---
17	15.5	13.8	14.2	14.6	14.0	14.2	12.4	12.1	12.2	---	---	---
18	15.7	13.6	14.4	14.3	14.1	14.2	12.3	11.9	12.1	---	---	---
19	14.8	13.7	14.2	14.4	14.1	14.3	12.2	11.8	12.0	---	---	---
20	14.4	13.9	14.2	14.6	14.1	14.3	11.9	11.5	11.8	---	---	---
21	14.1	13.8	13.9	14.5	14.0	14.4	11.8	11.5	11.7	---	---	---
22	14.1	13.8	14.0	14.4	14.2	14.3	11.6	11.1	11.5	---	---	---
23	15.4	14.1	14.7	14.4	14.2	14.3	11.4	10.9	11.1	---	---	---
24	15.4	13.9	14.4	14.8	14.2	14.4	11.1	10.7	10.9	---	---	---
25	14.8	14.1	14.3	15.0	13.2	14.4	11.0	10.5	10.7	---	---	---
26	14.6	14.2	14.4	14.5	14.0	14.1	11.0	10.4	10.6	---	---	---
27	15.7	14.2	14.6	14.7	13.8	14.1	10.8	10.1	10.4	---	---	---
28	15.4	14.2	14.5	14.7	14.0	14.3	11.0	9.8	10.3	---	---	---
29	15.9	14.2	14.7	14.0	13.8	13.9	12.9	9.2	10.6	---	---	---
30	15.4	14.2	14.6	14.1	13.9	14.0	11.6	9.9	10.7	---	---	---
31	15.6	14.3	15.0	---	---	---	13.4	10.2	11.6	---	---	---
MONTH	19.3	12.5	14.4	16.0	13.2	14.3	14.5	9.2	12.3	---	---	---

WHITE RIVER BASIN

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

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.7	10.5	13.4	14.5	10.7	12.1	13.1	11.1	11.7	18.4	11.9	13.7
2	20.2	11.0	13.9	14.1	10.5	11.8	15.6	11.1	11.9	17.5	12.1	13.8
3	19.8	10.6	13.8	14.1	10.7	11.9	19.2	11.0	12.9	16.8	11.9	13.4
4	19.1	10.0	12.8	20.7	10.9	13.8	19.2	11.2	13.1	18.8	12.0	13.7
5	19.8	10.4	13.4	18.6	10.4	12.7	17.2	11.3	13.0	19.4	12.5	14.6
6	18.8	10.2	12.8	20.9	10.3	13.5	18.7	11.6	13.7	20.3	11.8	14.1
7	13.2	9.7	11.0	15.6	10.1	11.5	19.6	12.1	14.1	19.5	12.4	14.0
8	19.5	9.8	12.1	13.8	10.3	11.3	17.4	11.3	13.0	14.8	12.2	13.2
9	---	---	---	14.1	10.5	11.8	18.1	11.2	12.9	18.8	11.9	13.7
10	---	---	---	15.5	10.7	11.8	19.8	11.3	13.3	19.0	12.6	14.3
11	12.6	10.0	11.1	12.5	10.3	11.2	20.4	11.5	13.6	18.6	12.4	14.3
12	20.2	10.5	13.8	12.3	10.1	11.0	19.3	11.4	13.0	16.7	12.1	13.5
13	12.7	9.9	10.7	13.2	10.2	11.4	20.3	11.6	13.7	17.9	12.1	13.6
14	13.3	9.9	10.9	13.4	10.2	11.4	19.3	11.9	14.1	17.1	12.4	13.9
15	15.5	10.2	11.9	13.5	10.3	11.5	17.1	11.2	13.3	15.6	12.3	13.6
16	13.4	11.0	11.7	13.9	10.3	11.6	17.0	11.4	13.0	14.3	12.3	13.2
17	16.7	10.2	12.4	18.0	10.4	12.5	17.3	11.6	13.3	15.6	12.5	13.6
18	12.5	10.6	11.4	15.3	10.5	11.6	19.9	11.6	13.4	14.4	12.2	13.2
19	12.6	10.3	11.3	14.9	10.4	11.3	18.3	11.7	13.1	19.7	12.3	14.2
20	18.6	9.9	12.2	18.1	10.4	12.4	18.5	12.1	13.3	18.9	12.7	14.2
21	17.2	10.1	12.2	18.7	10.6	12.1	21.7	11.8	14.9	18.3	12.4	14.0
22	19.9	10.0	12.7	13.5	10.6	11.5	17.7	11.5	13.9	17.3	12.3	14.0
23	20.3	10.0	13.1	14.1	10.6	11.7	18.9	11.6	13.7	17.4	12.4	13.6
24	21.0	10.1	13.2	12.8	10.7	11.5	19.8	11.6	13.6	17.6	12.8	14.2
25	20.4	10.9	13.9	13.3	10.8	11.6	19.5	11.9	13.8	18.6	14.4	16.2
26	20.6	10.9	14.0	13.6	10.9	11.8	20.0	11.9	14.1	19.0	12.4	14.6
27	16.8	10.2	12.2	14.3	10.9	12.3	16.4	12.4	13.9	14.8	13.2	13.7
28	20.3	10.5	13.1	12.3	10.9	11.2	15.5	11.9	13.6	15.0	13.1	13.8
29	17.0	10.3	12.6	18.7	10.9	12.7	18.6	11.6	13.8	17.6	12.7	14.8
30	19.8	10.4	13.2	12.5	11.2	11.7	20.0	11.6	14.4	17.7	12.9	15.4
31	---	---	---	13.4	11.0	11.9	19.3	11.9	13.3	---	---	---
MONTH	---	---	---	20.9	10.1	11.9	21.7	11.0	13.4	20.3	11.8	14.0

WHITE RIVER BASIN

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, 0.8 mi upstream from Smith Creek, 2.6 mi south of Boxley, and at mi 108.

DRAINAGE AREA.--57 mi².

PERIOD OF RECORD.--May 1993 to July 1996, October 1998 to current year. Annual maximum water years 1996-98.

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

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	983	502	29	36	92	123	37	2.8	1.7	0.00	1.3
2	0.00	604	331	36	39	83	109	33	2.6	0.93	0.00	1.1
3	0.00	379	238	822	47	76	96	30	2.7	e0.70	0.00	0.89
4	0.00	300	183	2690	65	68	87	27	2.5	0.65	0.00	0.72
5	0.00	203	174	1390	71	62	82	25	2.8	0.64	0.00	0.59
6	0.00	e158	227	883	90	56	355	23	2.7	0.67	0.00	0.48
7	0.01	e128	658	451	e202	55	285	21	2.7	0.60	0.00	0.42
8	129	101	363	291	e161	54	237	19	2.5	0.56	0.00	0.29
9	70	84	264	212	150	49	191	19	2.5	0.51	0.00	0.23
10	41	73	199	169	127	45	161	18	2.9	0.55	0.00	0.17
11	40	128	158	145	112	41	202	15	2.6	0.56	0.00	0.14
12	57	128	136	188	104	39	213	13	2.3	0.46	0.00	0.08
13	35	107	111	1310	130	37	173	10	2.4	0.36	0.00	0.05
14	26	94	92	460	119	34	148	15	2.4	0.31	0.00	0.30
15	23	85	81	294	107	31	127	27	e2.1	0.27	0.00	0.54
16	19	77	72	214	98	30	109	19	2.1	0.21	0.00	0.49
17	15	70	64	166	88	28	96	14	1.9	0.19	0.00	0.47
18	12	81	58	138	81	27	85	11	1.6	e0.16	0.00	0.53
19	9.7	145	51	121	76	25	76	8.9	1.5	e0.13	0.00	0.54
20	8.4	124	45	106	72	24	67	7.5	1.5	0.12	0.00	0.59
21	7.2	109	43	94	87	25	59	5.9	1.5	0.07	0.00	0.73
22	6.3	99	41	81	80	278	56	4.4	1.4	0.02	0.00	0.94
23	7.0	111	37	67	130	224	48	e10	1.3	0.00	0.00	1.1
24	10	715	32	60	163	166	42	22	1.2	0.00	0.00	1.6
25	13	411	30	56	138	157	38	18	1.2	0.00	0.01	6.3
26	14	271	29	52	123	144	37	13	1.2	0.00	1.3	4.0
27	14	357	28	46	112	274	33	9.5	1.2	0.04	0.97	5.1
28	e350	295	28	42	104	246	39	7.5	1.2	0.00	0.91	6.1
29	e190	518	29	43	---	197	47	5.9	1.1	0.00	1.2	6.8
30	e204	768	30	42	---	166	43	4.3	0.85	0.00	1.1	8.6
31	182	---	29	39	---	138	---	3.1	---	0.00	1.4	---
TOTAL	1482.61	7706	4363	10737	2912	2971	3464	496.0	59.25	10.41	6.89	51.19
MEAN	47.8	257	141	346	104	95.8	115	16.0	1.98	0.34	0.22	1.71
MAX	350	983	658	2690	202	278	355	37	2.9	1.7	1.4	8.6
MIN	0.00	70	28	29	36	24	33	3.1	0.85	0.00	0.00	0.05
AC-FT	2940	15280	8650	21300	5780	5890	6870	984	118	21	14	102
CFSM	0.83	4.48	2.45	6.03	1.81	1.67	2.01	0.28	0.03	0.01	0.00	0.03
IN.	0.96	4.99	2.83	6.96	1.89	1.93	2.24	0.32	0.04	0.01	0.00	0.03

WHITE RIVER BASIN

07055646 BUFFALO RIVER NEAR BOXLEY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993-96 - 1999-05, BY WATER YEAR (WY)

MEAN	21.9	117	111	130	144	199	228	153	65.6	13.3	3.91	3.23
MAX	93.3	360	326	346	530	748	517	310	318	46.8	12.4	13.3
(WY)	1999	1995	2002	2005	2001	2002	2004	2003	2000	1999	1994	1993
MIN	0.10	1.71	11.3	9.46	23.8	75.2	50.0	16.0	1.98	0.34	0.22	0.03
(WY)	2000	2000	2003	2003	1996	2001	2001	2005	2005	2005	2005	2000

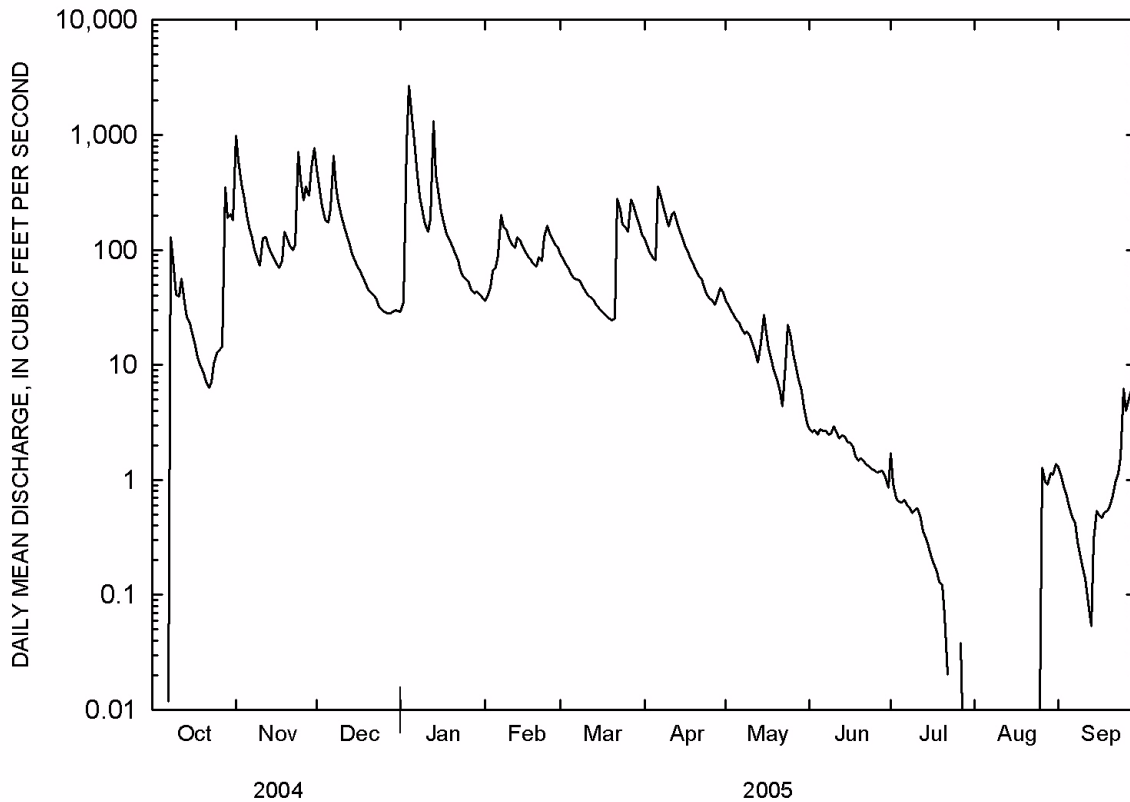
SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1993-96, 1999-05

ANNUAL TOTAL	44663.15		34259.35				
ANNUAL MEAN	122		93.9		104		
HIGHEST ANNUAL MEAN					186 2002		
LOWEST ANNUAL MEAN					52.9 2003		
HIGHEST DAILY MEAN	5610	Apr 23	2690	Jan 4	5610	Apr 23	2004
LOWEST DAILY MEAN	0.00	Sep 22	0.00	Oct 1	0.00	Sep 4	2000
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 27	0.00	Jul 28	0.00	Sep 4	2000
MAXIMUM PEAK FLOW			10900	Jan 4	¹ 29000 Sep 26 1996		
MAXIMUM PEAK STAGE			11.01	Jan 4	² 14.79 Sep 26 1996		
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times		
ANNUAL RUNOFF (AC-FT)	88590		67950		75690		
ANNUAL RUNOFF (CFSM)	2.13		1.64		1.82		
ANNUAL RUNOFF (INCHES)	28.95		22.20		24.73		
10 PERCENT EXCEEDS	243		213		218		
50 PERCENT EXCEEDS	44		30		27		
90 PERCENT EXCEEDS	1.9		0.00		0.85		

¹From rating curve extended above 1400 ft³/s

²From floodmarks

^eEstimated



WHITE RIVER BASIN

07055875 RICHLAND CREEK NEAR WITTS SPRING

LOCATION.--Lat 35°47'49", long 92°55'43", in SE_{1/4}SW_{1/4}SW_{1/4} 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 mi².

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

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

GAGE.--Water-stage recorder.

REMARKS.--Records fair except estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage 14.76 ft November 8, 1994; discharge 24,700 ft³/s on basis of slope-area indirect discharge measurement.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1160	591	44	36	82	138	44	4.5	1.4	0.62	0.35
2	1.2	856	375	46	42	70	112	40	4.1	2.5	0.44	0.30
3	1.0	508	258	1680	50	64	97	37	3.8	1.7	0.33	0.24
4	0.86	355	187	3880	52	57	87	35	3.4	1.4	0.26	0.21
5	0.63	235	185	1680	54	52	81	32	3.9	1.2	0.24	0.17
6	0.54	168	222	1140	86	45	188	30	3.8	1.1	0.24	0.15
7	0.55	119	429	564	292	48	164	27	5.7	0.97	0.27	0.14
8	131	89	306	357	223	47	152	25	4.7	0.79	0.87	0.14
9	303	70	233	252	179	44	136	31	3.9	0.61	0.85	0.13
10	99	59	171	190	134	42	122	26	3.4	0.63	0.59	0.12
11	237	209	126	151	108	38	259	23	3.2	1.5	0.39	0.12
12	156	173	102	179	101	36	385	20	3.3	1.9	0.31	0.12
13	78	129	82	1350	147	35	286	17	2.8	1.4	0.24	0.12
14	68	102	66	509	127	32	218	18	2.3	1.2	0.20	0.12
15	70	85	56	323	111	30	171	15	2.1	1.1	0.17	0.13
16	48	73	51	228	98	29	137	14	1.9	0.97	0.17	0.20
17	37	63	45	168	85	28	112	12	1.9	1.0	0.22	0.25
18	31	92	42	128	75	27	99	11	1.8	1.1	0.27	0.39
19	28	162	37	107	67	26	87	9.7	1.7	1.0	0.37	0.40
20	23	128	34	92	63	24	78	8.6	1.5	0.93	0.49	0.33
21	21	112	33	80	88	26	69	7.5	1.3	0.88	0.55	0.26
22	20	108	39	67	76	327	68	6.8	1.2	0.82	0.50	0.20
23	26	213	34	54	117	289	59	16	1.1	0.64	1.6	0.16
24	25	712	e34	48	155	200	51	16	1.0	0.52	3.7	0.17
25	24	456	e33	46	134	183	47	12	0.90	0.44	1.6	13
26	26	293	28	43	115	170	49	9.5	0.76	0.36	1.3	6.2
27	23	296	29	37	103	516	44	8.4	0.67	0.45	1.1	2.6
28	1160	237	31	35	97	439	51	7.5	0.59	0.62	0.93	1.6
29	442	764	36	46	---	310	54	6.6	0.54	0.85	0.76	1.3
30	600	1010	41	42	---	232	51	5.9	0.68	0.98	0.58	1.1
31	519	---	42	39	---	172	---	5.2	---	0.84	0.46	---
TOTAL	4201.18	9036	3978	13605	3015	3720	3652	576.7	72.44	31.80	20.62	30.72
MEAN	136	301	128	439	108	120	122	18.6	2.41	1.03	0.67	1.02
MAX	1160	1160	591	3880	292	516	385	44	5.7	2.5	3.7	13
MIN	0.54	59	28	35	36	24	44	5.2	0.54	0.36	0.17	0.12
AC-FT	8330	17920	7890	26990	5980	7380	7240	1140	144	63	41	61
CFSM	2.02	4.50	1.92	6.55	1.61	1.79	1.82	0.28	0.04	0.02	0.01	0.02
IN.	2.33	5.02	2.21	7.55	1.67	2.07	2.03	0.32	0.04	0.02	0.01	0.02

WHITE RIVER BASIN

07055875 RICHLAND CREEK NEAR WITTS SPRING--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

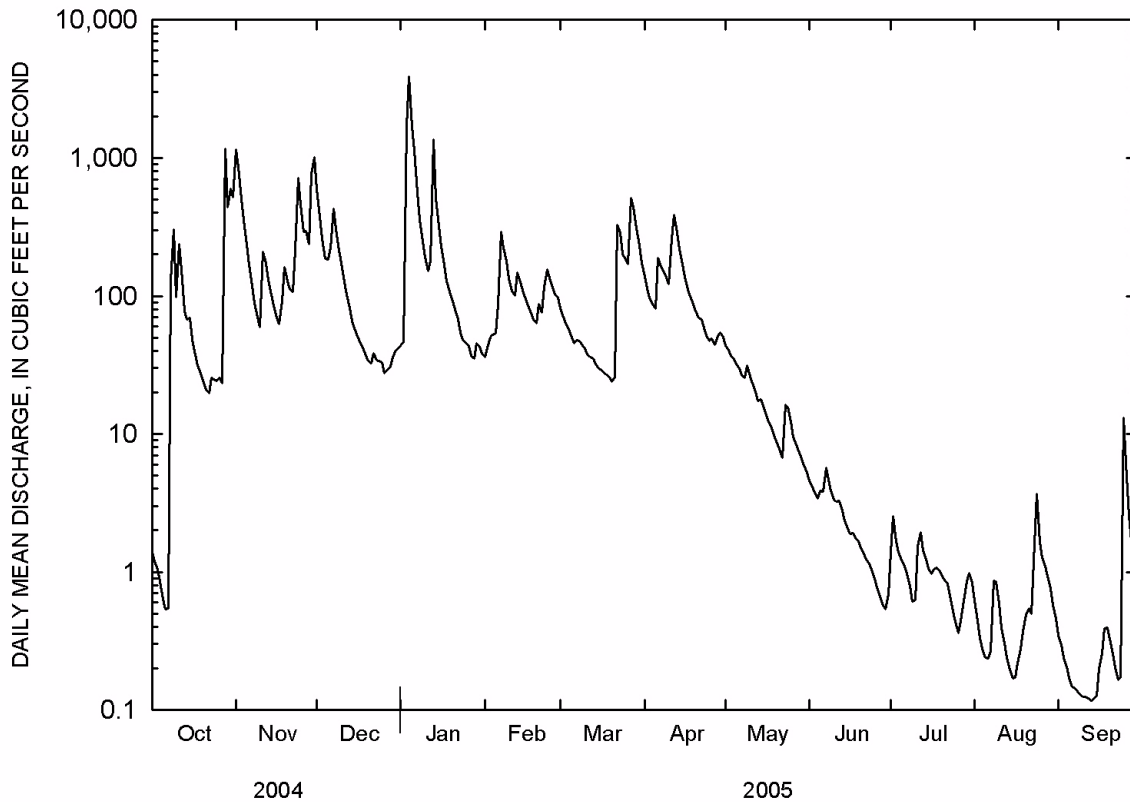
MEAN	29.8	133	122	168	185	212	164	115	67.9	19.4	3.05	14.1
MAX	136	658	330	439	451	665	280	394	403	77.4	17.7	139
(WY)	2005	1997	2002	2005	2001	2002	2002	2003	2000	2004	2002	1996
MIN	0.00	1.19	30.9	25.1	37.8	56.8	38.7	18.6	2.41	0.26	0.11	0.00
(WY)	2000	2000	2001	2000	1996	2003	2003	2005	2005	1998	1998	2000

SUMMARY STATISTICS FOR 2005 WATER YEAR WATER YEARS 1995 - 2005

ANNUAL TOTAL	41939.46	
ANNUAL MEAN	115	105
HIGHEST ANNUAL MEAN		170 2002
LOWEST ANNUAL MEAN		64.1 2003
HIGHEST DAILY MEAN	3880 Jan 4	4970 Nov 7 1996
LOWEST DAILY MEAN	0.12 Sep 10	0.00 Aug 22 1995
ANNUAL SEVEN-DAY MINIMUM	0.12 Sep 9	0.00 Aug 22 1995
MAXIMUM PEAK FLOW	15000 Jan 4	a Apr 24 2004
MAXIMUM PEAK STAGE	11.71 Jan 4	a Apr 24 2004
INSTANTANEOUS LOW FLOW	0.12 Sep 9-16	0.00 at times
ANNUAL RUNOFF (AC-FT)	83190	75850
ANNUAL RUNOFF (CFSM)	1.71	1.56
ANNUAL RUNOFF (INCHES)	23.29	21.23
10 PERCENT EXCEEDS	270	227
50 PERCENT EXCEEDS	35	27
90 PERCENT EXCEEDS	0.38	0.31

^aUndetermined

^eEstimated



WHITE RIVER BASIN

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.

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 NGVD of 1929. 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 except estimated daily discharges, which are fair. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	3560	5710	284	980	1740	2160	616	164	55	25	19
2	20	8190	3390	281	971	1580	1920	554	151	49	24	18
3	20	3530	2430	3010	1040	1460	1710	505	144	48	24	18
4	20	2660	1860	16200	1140	1380	1530	468	137	50	23	18
5	19	1990	1510	15200	1250	1290	1410	438	131	52	22	17
6	19	1490	1540	13900	1270	1210	2930	412	126	52	22	16
7	20	1160	2710	7540	1560	1160	3720	390	121	51	22	16
8	42	919	3070	5070	2040	1160	3070	371	117	49	22	16
9	465	735	2250	3930	1910	1150	2590	354	118	46	22	16
10	931	613	1810	3260	1740	1120	2220	337	108	47	21	16
11	950	1010	1440	2810	1580	1080	2400	323	103	44	21	16
12	1680	1750	1180	2520	1500	1020	3720	305	102	41	21	15
13	936	1340	984	10700	1660	979	3070	283	102	40	20	15
14	627	1040	810	7620	1880	939	2520	278	95	39	20	17
15	514	850	685	4710	1740	897	2110	271	88	38	20	18
16	436	724	603	3650	1610	867	1810	268	85	36	20	18
17	360	631	542	3020	1480	840	1570	e270	82	35	20	18
18	302	575	489	2570	1380	819	1390	249	78	34	19	20
19	252	748	444	2270	1310	798	1250	247	75	34	19	22
20	215	892	401	2060	1250	774	1130	228	72	34	19	23
21	187	791	367	1870	1320	756	1020	206	70	33	19	24
22	165	712	358	1690	1520	1550	994	192	68	33	20	23
23	155	707	347	1500	1600	3620	943	192	66	32	19	22
24	136	2540	311	1360	2770	2750	814	208	64	30	19	22
25	132	4170	281	1280	2600	2360	726	301	62	29	19	29
26	137	2500	261	1220	2270	2210	680	306	58	27	18	23
27	134	1980	249	1150	2040	3840	642	287	56	27	19	23
28	3270	2060	248	1070	1920	4780	617	247	53	27	18	53
29	4200	2100	258	1050	---	3760	642	215	51	25	19	69
30	2330	6530	276	1050	---	3090	674	192	50	25	19	54
31	1860	---	286	1020	---	2560	---	176	---	25	19	---
TOTAL	20554	58497	37100	124865	45331	53539	51982	9689	2797	1187	634	694
MEAN	663	1950	1197	4028	1619	1727	1733	313	93.2	38.3	20.5	23.1
MAX	4200	8190	5710	16200	2770	4780	3720	616	164	55	25	69
MIN	19	575	248	281	971	756	617	176	50	25	18	15
AC-FT	40770	116000	73590	247700	89910	106200	103100	19220	5550	2350	1260	1380
CFSM	0.80	2.35	1.44	4.86	1.95	2.08	2.09	0.38	0.11	0.05	0.02	0.03
IN.	0.92	2.62	1.66	5.60	2.03	2.40	2.33	0.43	0.13	0.05	0.03	0.03

WHITE RIVER BASIN

07056000 BUFFALO RIVER NEAR ST. JOE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

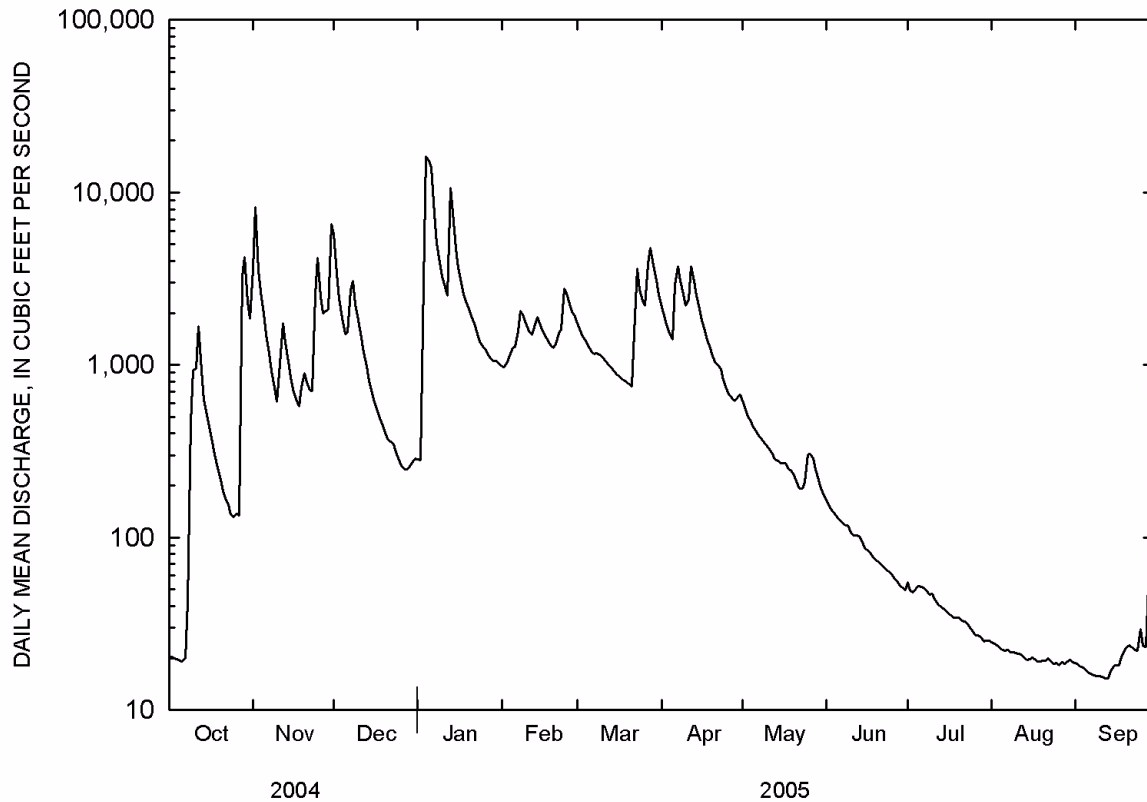
MEAN	304	986	1191	1195	1591	2002	2192	1802	779	233	158	164
MAX	3357	6549	8516	6934	5455	8897	9584	6975	5468	1134	1569	2025
(WY)	1942	1997	1983	1949	1989	1945	1945	1990	1945	1950	1950	1996
MIN	14.2	19.7	30.4	32.4	114	236	237	201	67.6	29.6	15.0	10.2
(WY)	1964	1964	1990	1964	1963	1972	1963	2001	1977	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	435353		406869			
ANNUAL MEAN	1189		1115		1046	
HIGHEST ANNUAL MEAN					2619 1945	
LOWEST ANNUAL MEAN					316 1963	
HIGHEST DAILY MEAN	73600	Apr 24	16200	Jan 4	124000	Dec 3 1982
LOWEST DAILY MEAN	19	Oct 5	15	Sep 12	7.0	Sep 17 1954
ANNUAL SEVEN-DAY MINIMUM	20	Sep 30	16	Sep 7	7.4	Sep 11 1954
MAXIMUM PEAK FLOW			24700	Jan 4	^a 158000	Dec 3 1982
MAXIMUM PEAK STAGE			21.38	Jan 4	53.75	Dec 3 1982
INSTANTANEOUS LOW FLOW			15	Sep 10-14	6.6	^b Sep 16 1954
ANNUAL RUNOFF (AC-FT)	863500		807000		757800	
ANNUAL RUNOFF (CFSM)	1.43		1.34		1.26	
ANNUAL RUNOFF (INCHES)	19.54		18.26		17.14	
10 PERCENT EXCEEDS	1990		2730		2300	
50 PERCENT EXCEEDS	477		438		317	
90 PERCENT EXCEEDS	45		20		43	

^aFrom rating curve extended above 91,000 ft³/s

^bAlso September 17, 20, 1954

^cEstimated



WHITE RIVER BASIN

07056515 BEAR CREEK NEAR SILVER HILL

LOCATION.--Lat 35°56'23", long 92°42'48", in SW₁/₄SW₁/₄ sec.17, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005, on left bank 40 ft upstream from U.S. Highway 65, 1.5 mi upstream from Holder Creek, and 2.7 mi southeast of Silver Hill.

DRAINAGE AREA.--77.9 mi².

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

REVISED RECORDS.--WDR 2004: 2003.

gage.--Water-stage recorder. Datum of gage is 638.7 ft above NGVD of 1929. Prior to Oct. 3, 2001, water-stage recorder, 1.5 mi downstream at datum 20 ft lower. Prior to Aug. 8, 2002, water-stage recorder 150 ft downstream at same datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	469	244	14	54	91	122	44	17	8.2	4.5	4.8
2	3.1	286	136	16	58	82	105	40	16	7.6	4.5	4.0
3	2.9	156	89	1030	75	77	92	37	13	7.3	4.1	3.5
4	2.8	110	64	e3360	77	72	84	35	13	6.9	5.5	3.3
5	3.2	65	63	955	71	68	78	33	12	6.6	5.7	3.4
6	3.8	46	82	641	71	63	271	31	12	6.1	5.9	4.5
7	5.3	34	182	346	144	64	162	30	12	5.9	6.4	5.9
8	9.3	25	93	250	121	66	161	28	11	5.6	6.7	6.4
9	12	20	70	195	107	65	130	50	11	5.4	5.5	6.8
10	14	16	53	163	94	71	113	40	11	5.3	7.3	8.3
11	103	118	41	143	85	63	584	33	11	5.2	7.6	9.3
12	40	77	34	187	86	59	388	29	11	5.0	8.5	9.7
13	15	47	27	790	137	56	233	27	11	4.8	7.4	11
14	12	35	21	270	115	52	174	26	11	4.8	8.3	13
15	19	27	18	200	100	50	139	25	10	4.7	8.6	14
16	9.3	23	16	162	90	49	118	25	10	4.6	8.8	13
17	5.3	19	14	136	81	48	101	24	10	4.8	9.3	13
18	4.2	24	12	119	75	46	89	23	9.5	4.7	8.0	13
19	3.4	44	11	108	71	45	79	22	9.2	4.6	7.6	13
20	2.9	30	9.2	99	69	43	70	21	9.1	4.6	6.9	13
21	2.6	25	8.3	90	110	42	64	21	8.7	4.5	7.6	13
22	2.7	24	12	81	94	232	71	20	8.7	4.6	7.6	13
23	5.7	64	11	70	136	166	60	20	8.5	4.6	7.2	13
24	11	652	8.4	66	146	120	52	20	8.4	4.4	6.8	13
25	7.0	206	7.4	64	119	133	48	20	8.2	4.4	6.5	15
26	5.8	111	7.1	61	106	137	47	21	8.3	4.3	6.6	16
27	5.1	113	8.4	56	98	542	44	20	8.3	4.5	6.6	16
28	1580	83	9.8	53	106	344	44	19	8.4	4.5	6.2	15
29	130	401	14	62	---	232	49	18	8.3	4.9	6.3	15
30	184	507	14	63	---	180	50	18	7.9	4.7	6.1	13
31	98	---	13	57	---	142	---	17	---	4.6	5.2	---
TOTAL	2305.7	3857	1392.6	9907	2696	3500	3822	837	313.5	162.7	209.8	314.9
MEAN	74.4	129	44.9	320	96.3	113	127	27.0	10.4	5.25	6.77	10.5
MAX	1580	652	244	3360	146	542	584	50	17	8.2	9.3	16
MIN	2.6	16	7.1	14	54	42	44	17	7.9	4.3	4.1	3.3
AC-FT	4570	7650	2760	19650	5350	6940	7580	1660	622	323	416	625
CFSM	0.90	1.55	0.54	3.85	1.16	1.36	1.53	0.32	0.13	0.06	0.08	0.13
IN.	1.03	1.73	0.62	4.43	1.21	1.57	1.71	0.37	0.14	0.07	0.09	0.14

WHITE RIVER BASIN

07056515 BEAR CREEK NEAR SILVER HILL--CONTINUED

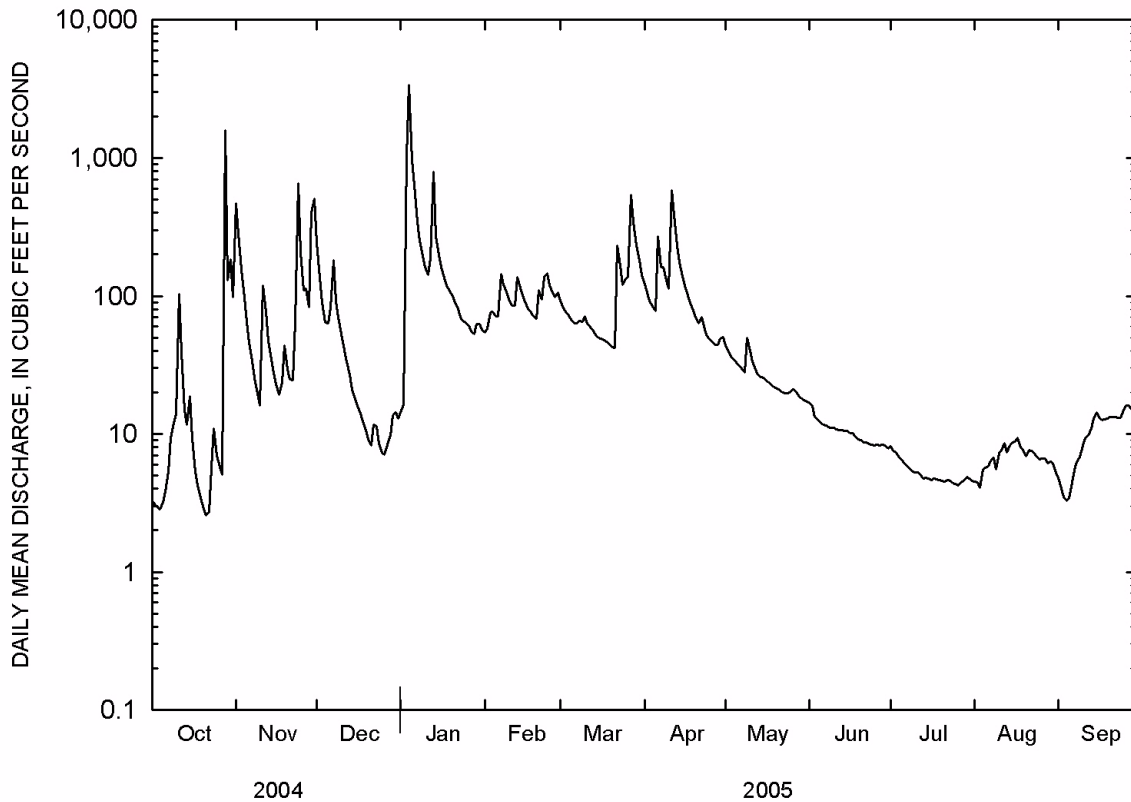
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	17.3	51.5	99.2	150	174	185	196	100	53.9	22.3	9.49	6.42
MAX	74.4	129	291	322	516	713	606	257	170	35.2	13.2	10.5
(WY)	2005	2005	2002	2002	2001	2002	2004	2000	2000	1999	2003	2005
MIN	3.52	4.98	18.2	22.9	77.9	62.2	46.1	21.4	10.4	5.25	5.94	3.50
(WY)	2000	2000	2001	2000	2000	2000	2000	2001	2005	2005	1999	1999

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	38730.2		29318.2			
ANNUAL MEAN	106		80.3		91.2	
HIGHEST ANNUAL MEAN					178 2002	
LOWEST ANNUAL MEAN					53.1 2003	
HIGHEST DAILY MEAN	9200	Apr 24	3360	Jan 4	9200	Apr 24 2004
LOWEST DAILY MEAN	2.6	Oct 21	2.6	Oct 21	2.2	Sep 20 2003
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 29	3.5	Oct 1	2.6	Sep 15 2003
MAXIMUM PEAK FLOW			a Jan 4		a Jan 31 2002	
MAXIMUM PEAK STAGE			11.65 Jan 4		14.07 Jan 31 2002	
INSTANTANEOUS LOW FLOW			2.6 Oct 21		0.78 Aug 1 2005	
ANNUAL RUNOFF (AC-FT)	76820		58150		66090	
ANNUAL RUNOFF (CFSM)	1.27		0.967		1.10	
ANNUAL RUNOFF (INCHES)	17.34		13.12		14.91	
10 PERCENT EXCEEDS	129		158		154	
50 PERCENT EXCEEDS	41		22		24	
90 PERCENT EXCEEDS	6.3		4.8		5.2	

^aUndetermined

^eEstimated



WHITE RIVER BASIN

07056700 BUFFALO RIVER NEAR HARRIET

LOCATION.--Lat 36°04'03", long 92°34'38", in SE1/4 sec.33, T.17 N., R.15 W., Marion County, Hydrologic Unit 11010005, at left bank on downstream side of bridge on State Highway 14, and approximately 5 mi north of Harriet.

DRAINAGE AREA.--1,072 mi².

PERIOD OF RECORD.--September 2002 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	3450	8240	472	723	1560	2160	770	e230	84	38	44
2	e32	10600	5210	471	701	1400	1930	678	e220	90	38	43
3	e32	5570	3660	3100	761	1270	1750	e630	e210	77	35	42
4	31	3880	2830	18300	859	1170	1610	e590	e200	73	33	40
5	31	2990	2360	22000	982	1060	1490	e550	e200	75	32	38
6	30	2300	2320	17700	1010	957	2160	e510	e190	78	36	37
7	30	1890	3280	9460	1190	878	3940	e480	e180	77	49	36
8	60	1590	4550	5840	1680	863	3130	e460	152	75	45	34
9	109	1340	3350	4280	1670	858	2680	e450	145	73	36	33
10	1310	1120	2730	3430	1540	840	2300	430	154	70	33	32
11	1570	1370	2250	2940	1390	790	3090	382	144	71	32	31
12	2440	2530	1920	2650	1300	731	5160	e370	149	70	31	29
13	1790	2180	1700	10600	1590	672	3790	e360	146	64	30	29
14	1250	1780	e1470	9770	1760	626	2950	e340	136	61	29	34
15	952	1530	e1280	4980	1660	580	2450	312	128	e61	33	44
16	772	1330	e1140	3570	1500	545	2120	e310	118	59	42	52
17	588	1170	1010	2810	1360	513	1880	e310	119	58	43	49
18	463	1040	901	2360	1240	485	1710	e310	118	54	42	44
19	363	1190	795	2080	1130	464	1570	e300	112	54	35	46
20	291	1480	716	1890	1060	440	1440	e340	109	58	31	56
21	243	1410	644	1730	1070	415	1320	e290	106	59	30	61
22	211	1290	614	1580	1280	808	1240	e270	104	54	32	64
23	209	1250	604	1420	1320	3050	1230	e270	103	51	36	62
24	196	3040	547	1260	2100	2550	1070	e260	100	49	35	63
25	192	6180	487	1150	2300	2110	924	269	98	47	34	151
26	185	3860	445	1050	1980	2000	850	357	95	44	40	137
27	179	2930	417	960	1780	3650	801	341	91	46	91	92
28	2280	2920	413	865	1680	5350	770	313	87	50	58	80
29	6920	2940	425	822	---	4080	754	e290	82	46	51	127
30	3470	7960	466	811	---	3160	813	e270	78	40	48	141
31	2820	---	484	776	---	2570	---	e250	---	38	46	---
TOTAL	29081	84110	57258	141127	38616	46445	59082	12062	4104	1906	1224	1771
MEAN	938	2804	1847	4552	1379	1498	1969	389	137	61.5	39.5	59.0
MAX	6920	10600	8240	22000	2300	5350	5160	770	230	90	91	151
MIN	30	1040	413	471	701	415	754	250	78	38	29	29
MED	243	2040	1140	2360	1340	878	1730	340	123	59	36	44
AC-FT	57680	166800	113600	279900	76590	92120	117200	23920	8140	3780	2430	3510

WHITE RIVER BASIN

07056700 BUFFALO RIVER NEAR HARRIET--CONTINUED

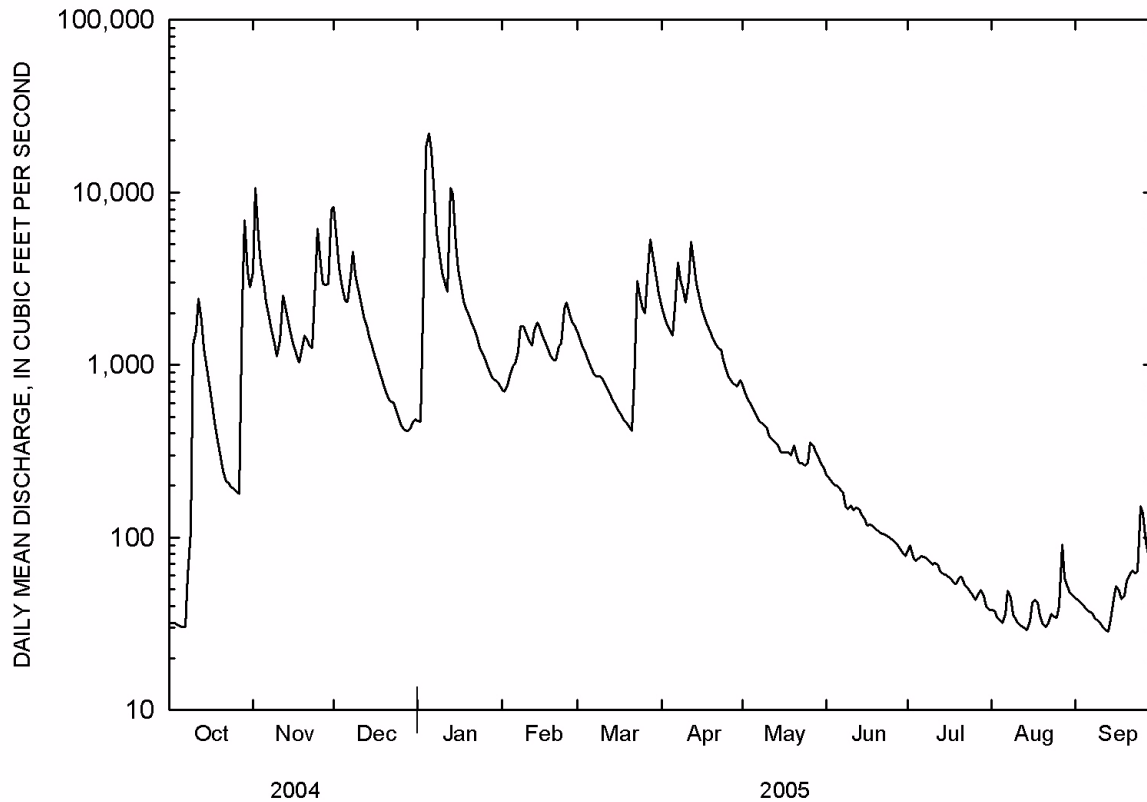
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	353	1190	1012	2032	1062	1297	3575	1622	522	284	83.6	55.8
MAX	938	2804	1847	4552	1379	1498	8117	3131	1056	619	112	64.0
(WY)	2005	2005	2005	2005	2005	2005	2004	2003	2003	2004	2004	2003
MIN	47.3	48.0	267	455	685	1002	640	389	137	61.5	39.5	44.4
(WY)	2003	2003	2003	2003	2003	2003	2003	2005	2005	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	600211		476786			
ANNUAL MEAN	1640		1306		1088	
HIGHEST ANNUAL MEAN					1318 2004	
LOWEST ANNUAL MEAN					640 2003	
HIGHEST DAILY MEAN	80900	Apr 24	22000	Jan 5	80900	Apr 24 2004
LOWEST DAILY MEAN	30	Oct 6	29	Aug 14	29	Aug 14 2005
ANNUAL SEVEN-DAY MINIMUM	31	Oct 1	31	Oct 1	31	Oct 1 2004
MAXIMUM PEAK FLOW			30600	Jan 5	121000	Apr 25 2004
MAXIMUM PEAK STAGE			21.19	Jan 5	47.81	Apr 25 2004
INSTANTANEOUS LOW FLOW			27	Sep 13-14	27	¹ Sep 13 2005
ANNUAL RUNOFF (AC-FT)	1191000		945700		788400	
10 PERCENT EXCEEDS	2850		3070		2130	
50 PERCENT EXCEEDS	716		547		384	
90 PERCENT EXCEEDS	63		38		46	

¹Also September 14, 2005

^eEstimated



WHITE RIVER BASIN

07057370 WHITE RIVER NEAR NORFORK

LOCATION.--Lat 36°13'23", long 92°18'02", in SE₁/4SE₁/4 sec.18, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010004, on right bank of river, 100 ft below bridge on State Highway 341, and 1.7 mi northwest of Norfolk.

DRAINAGE AREA.--8,050 mi².

PERIOD OF RECORD.--May 2003 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3200	4260	21800	1260	28800	13900	15400	3990	1200	2150	4920	3400
2	2910	13900	22000	1210	27900	13000	10900	1930	1080	2730	5310	3010
3	1160	12500	18700	2960	19800	11100	7960	4700	1070	2830	7180	2400
4	1470	8900	18100	27400	13800	10400	9180	4050	1160	2010	7150	2930
5	3280	7720	17900	34400	13200	5950	11300	3560	2050	1020	6400	2410
6	3240	7060	17100	28700	15500	2110	9220	3340	1480	2380	3750	850
7	3720	4840	22300	21000	11800	1970	15200	1760	2380	2020	1900	2790
8	5550	4540	18800	12000	16500	6760	16900	1740	4980	5170	1580	1610
9	4100	5870	15700	8550	14200	5840	16100	1460	5130	4390	5150	2200
10	2690	5120	17400	7830	15200	7050	15100	2030	4090	2770	4480	3050
11	3320	5740	20200	11200	14900	8630	16100	2780	3900	2630	4360	1160
12	5430	6130	19500	12600	15500	6430	21800	4360	2430	5110	3280	1120
13	4790	6790	18900	21500	13500	2720	17500	4130	2100	4580	5530	4340
14	2760	5470	19200	25200	14000	6070	11500	1440	5160	5390	3150	4580
15	3060	3840	18500	22900	16000	5090	11900	1150	3580	6030	2390	2780
16	5860	5210	14800	21700	14900	6670	11100	1430	1880	6600	6760	2760
17	5630	7320	12000	21900	15000	6270	11000	1250	1310	4650	4910	2430
18	4980	10300	12900	20100	15900	6270	9710	2040	1940	5570	5100	1570
19	6210	9390	13100	25400	15500	5780	9690	2620	2440	7160	6450	1990
20	4920	7270	14200	26000	14800	2100	12400	1600	2660	6450	7800	2140
21	5210	6340	14700	25800	13600	4860	13500	3520	2860	6320	2650	2420
22	5720	6580	13300	25600	13800	7240	14800	1480	2410	6070	1810	2930
23	4310	8480	12100	24900	15900	13500	13100	2000	3000	6510	2980	3160
24	3690	10500	12300	25200	13100	17500	15900	3550	2550	5670	2960	3370
25	4410	14400	12300	24900	15900	17100	13700	1120	3080	6840	3720	1350
26	4740	13300	12300	24800	14900	15000	10900	1030	1030	7550	3810	822
27	4570	11100	9690	25400	14400	18200	11100	1140	1370	7290	2470	2210
28	3590	11300	8470	28800	15300	20300	13300	1390	2470	7020	1520	1650
29	9440	11500	3160	28900	---	13300	9180	1700	1700	4710	2120	1650
30	8400	16700	2400	28900	---	15800	4160	2030	2240	4950	4160	1120
31	6520	---	1440	28900	---	17100	---	1190	---	4090	3270	---
TOTAL	138880	252370	455260	645910	443600	294010	379600	71510	74730	148660	129020	70202
MEAN	4480	8412	14690	20840	15840	9484	12650	2307	2491	4795	4162	2340
MAX	9440	16700	22300	34400	28800	20300	21800	4700	5160	7550	7800	4580
MIN	1160	3840	1440	1210	11800	1970	4160	1030	1030	1020	1520	822
AC-FT	275500	500600	903000	1281000	879900	583200	752900	141800	148200	294900	255900	139200

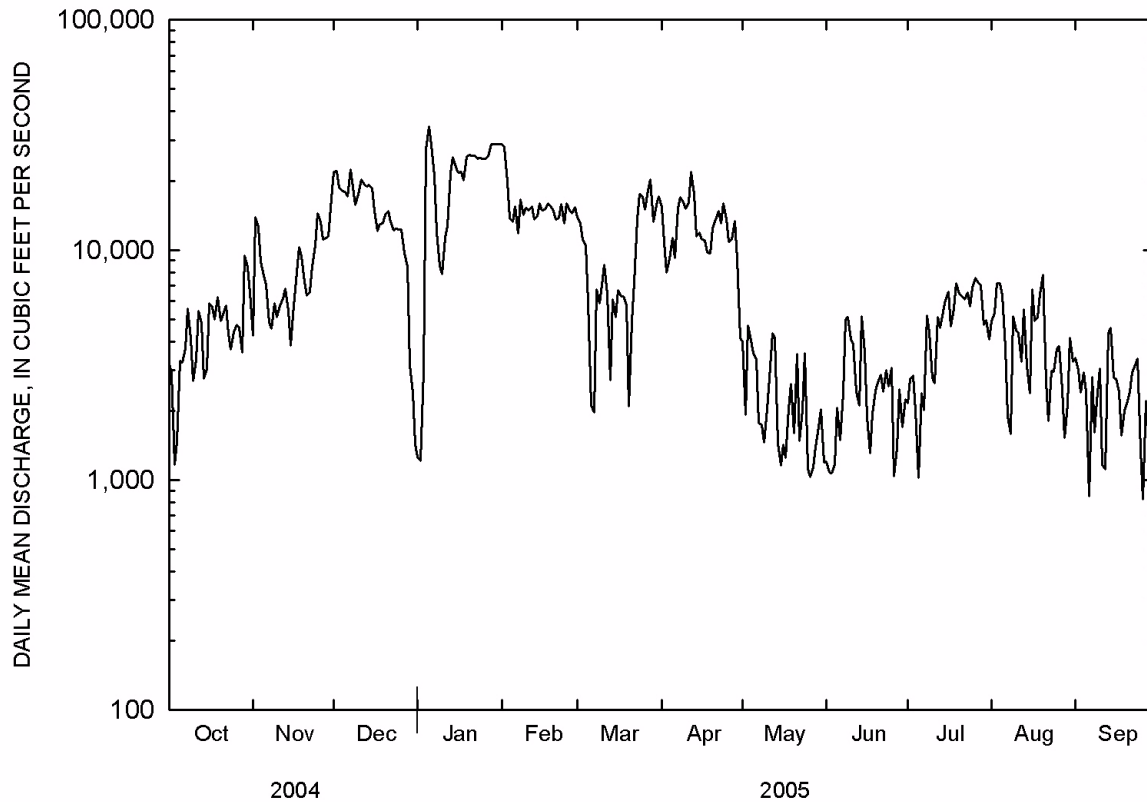
WHITE RIVER BASIN

07057370 WHITE RIVER NEAR NORFORK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	3866	6071	9305	12510	9746	7649	13830	5037	6262	7396	5298	2582
MAX	4480	8412	14690	20840	15840	9484	15000	7599	11910	11800	6566	3501
(WY)	2005	2005	2005	2005	2005	2005	2004	2004	2004	2004	2003	2004
MIN	3252	3730	3925	4178	3860	5814	12650	2307	2491	4795	4162	1906
(WY)	2004	2004	2004	2004	2004	2004	2005	2005	2005	2005	2005	2003

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	2942091		3103752			
ANNUAL MEAN	8038		8503		7570	
HIGHEST ANNUAL MEAN					8503 2005	
LOWEST ANNUAL MEAN					6639 2004	
HIGHEST DAILY MEAN	135000	Apr 25	34400	Jan 5	135000	Apr 25 2004
LOWEST DAILY MEAN	515	Sep 29	822	Sep 26	450	Sep 28 2003
ANNUAL SEVEN-DAY MINIMUM	1250	Sep 23	1320	May 31	967	Sep 23 2003
MAXIMUM PEAK FLOW			39600	Jan 5	152000	Apr 25 2004
MAXIMUM PEAK STAGE			15.40	Jan 5	32.23	Apr 25 2004
INSTANTANEOUS LOW FLOW			491	Sep 30	212	Sep 9 2004
ANNUAL RUNOFF (AC-FT)	5836000		6156000		5484000	
10 PERCENT EXCEEDS	14700		18700		15500	
50 PERCENT EXCEEDS	5860		5740		5270	
90 PERCENT EXCEEDS	2130		1630		1580	



WHITE RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unfl- uS/cm (00095)	Temper- ature, water, deg C (00010)
OCT 2004											
21...	0744	80513	167	1.70	4.90	762	7.2	79	7.7	320	20.1
21...	0746	80513	167	10.1	--	762	7.2	79	7.8	321	20.1
21...	0748	80513	167	20.0	--	762	7.1	79	7.8	321	20.1
21...	0749	80513	167	30.2	--	762	7.0	78	7.9	320	20.1
21...	0750	80513	167	40.1	--	762	6.8	76	7.9	321	20.1
21...	0751	80513	167	50.0	--	762	5.6	62	7.8	320	19.8
21...	0754	80513	167	60.1	--	762	.4	4	7.3	312	18.1
21...	0755	80513	167	65.1	--	762	.3	3	7.3	310	17.2
21...	0756	80513	167	70.0	--	762	.2	2	7.3	300	16.2
21...	0757	80513	167	80.0	--	762	.2	2	7.3	301	15.1
21...	0758	80513	167	90.1	--	762	.2	2	7.2	305	14.1
21...	0759	80513	167	100	--	762	.2	2	7.2	323	13.2
21...	0800	80513	167	110	--	762	.2	2	7.2	336	12.3
21...	0801	80513	167	120	--	762	.2	2	7.2	356	11.3
21...	0802	80513	167	130	--	762	.2	2	7.2	367	10.6
21...	0803	80513	167	140	--	762	.2	2	7.2	370	10.2
21...	0804	80513	167	150	--	762	.2	1	7.2	372	9.8
21...	0805	80513	167	160	--	762	.2	2	7.2	372	9.6
21...	0806	80513	167	167	--	762	.2	1	7.2	373	9.5
NOV											
17...	1046	80513	158	.20	4.00	772	7.2	74	7.9	308	17.2
17...	1049	80513	158	10.2	--	772	6.8	69	7.9	307	16.9
17...	1050	80513	158	20.2	--	772	6.8	69	7.8	309	16.9
17...	1051	80513	158	30.2	--	772	6.7	68	7.8	309	16.9
17...	1052	80513	158	40.3	--	772	6.6	68	7.8	309	16.9
17...	1053	80513	158	50.1	--	772	6.6	67	7.8	310	16.9
17...	1054	80513	158	59.9	--	772	6.6	67	7.8	309	16.9
17...	1055	80513	158	70.3	--	772	5.8	59	7.8	309	16.7
17...	1056	80513	158	72.8	--	772	1.5	15	7.4	301	16.0
17...	1057	80513	158	80.1	--	772	.3	3	7.2	289	15.1
17...	1058	80513	158	90.3	--	772	.2	2	7.2	292	14.5
17...	1059	80513	158	100	--	772	.2	2	7.2	296	14.0
17...	1100	80513	158	110	--	772	.2	2	7.2	309	13.2
17...	1101	80513	158	120	--	772	.2	1	7.2	326	12.3
17...	1102	80513	158	130	--	772	.1	1	7.2	351	11.3
17...	1103	80513	158	140	--	772	.1	1	7.2	363	10.5
17...	1104	80513	158	150	--	772	.1	1	7.2	365	10.0
17...	1105	80513	158	158	--	772	.1	1	7.2	366	9.8
DEC											
28...	1152	80513	157	.10	3.60	771	8.8	78	8.1	312	10.4
28...	1153	80513	157	10.1	--	771	8.7	76	8.1	313	10.1
28...	1154	80513	157	20.0	--	771	8.6	75	8.1	313	10.1
28...	1155	80513	157	30.0	--	771	8.6	76	8.1	313	10.1
28...	1156	80513	157	40.1	--	771	8.5	75	8.1	313	10.1
28...	1157	80513	157	50.3	--	771	8.5	75	8.1	313	10.1
28...	1158	80513	157	60.3	--	771	8.5	75	8.1	313	10.1
28...	1159	80513	157	70.2	--	771	8.6	75	8.1	313	10.1
28...	1200	80513	157	80.2	--	771	8.5	75	8.1	313	10.1
28...	1201	80513	157	90.1	--	771	8.5	74	8.1	312	10.1
28...	1202	80513	157	100	--	771	8.5	75	8.1	312	10.1
28...	1203	80513	157	110	--	771	8.6	75	8.1	312	10.1
28...	1204	80513	157	120	--	771	8.7	76	8.1	307	9.9
28...	1205	80513	157	130	--	771	8.9	78	8.2	306	9.9
28...	1206	80513	157	140	--	771	9.0	78	8.2	306	9.8
28...	1207	80513	157	150	--	771	9.1	79	8.2	305	9.7
28...	1209	80513	157	157	--	771	5.9	51	8.0	306	9.7
MAR 2005											
23...	0855	80513	160	.80	4.70	760	11.3	99	8.3	318	9.4
23...	0856	80513	160	10.3	--	760	11.1	98	8.3	318	9.4
23...	0857	80513	160	20.0	--	760	11.0	97	8.3	318	9.4
23...	0858	80513	160	30.3	--	760	11.0	96	8.3	319	9.4
23...	0859	80513	160	40.1	--	760	10.9	96	8.3	319	9.4
23...	0900	80513	160	50.2	--	760	10.9	96	8.3	320	9.4
23...	0901	80513	160	60.5	--	760	10.8	94	8.3	319	9.4
23...	0902	80513	160	70.3	--	760	10.8	95	8.3	320	9.4
23...	0903	80513	160	80.3	--	760	10.7	94	8.3	322	9.2
23...	0904	80513	160	90.4	--	760	10.5	91	8.3	323	8.8
23...	0905	80513	160	100	--	760	10.5	91	8.3	324	8.8
23...	0906	80513	160	110	--	760	10.3	89	8.3	324	8.7
23...	0907	80513	160	120	--	760	9.8	84	8.2	324	8.6
23...	0908	80513	160	130	--	760	9.7	83	8.2	324	8.5
23...	0909	80513	160	141	--	760	9.2	79	8.1	325	8.4
23...	0910	80513	160	150	--	760	8.9	76	8.1	326	8.3
23...	0912	80513	160	160	--	760	8.1	69	7.9	325	8.3

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
JUN 2005											
16...	0914	80513	156	.00	5.00	759	8.2	104	8.2	312	27.1
16...	0915	80513	156	10.0	--	759	8.2	103	8.2	312	27.2
16...	0916	80513	156	20.0	--	759	8.0	101	8.2	312	27.2
16...	0917	80513	156	22.0	--	759	9.3	116	8.2	313	26.4
16...	0918	80513	156	23.0	--	759	11.3	137	8.2	314	24.8
16...	0919	80513	156	24.0	--	759	12.2	144	8.2	316	23.4
16...	0920	80513	156	25.0	--	759	12.0	140	8.2	318	22.7
16...	0921	80513	156	26.0	--	759	12.1	139	8.2	318	22.1
16...	0922	80513	156	28.0	--	759	11.3	128	8.2	320	21.1
16...	0923	80513	156	30.0	--	759	10.7	118	8.1	321	19.8
16...	0924	80513	156	32.0	--	759	10.2	110	8.1	323	18.8
16...	0925	80513	156	34.0	--	759	9.6	102	8.0	324	17.8
16...	0926	80513	156	36.0	--	759	8.8	91	7.9	324	17.0
16...	0927	80513	156	40.0	--	759	8.2	84	7.8	323	16.1
16...	0928	80513	156	45.0	--	759	7.3	74	7.7	322	15.2
16...	0929	80513	156	50.0	--	759	6.5	64	7.5	322	14.2
16...	0930	80513	156	60.0	--	759	6.0	57	7.4	322	12.2
16...	0931	80513	156	70.0	--	759	5.8	53	7.4	329	11.2
16...	0932	80513	156	80.0	--	759	6.0	54	7.3	324	10.5
16...	0933	80513	156	90.0	--	759	6.1	55	7.3	327	10.2
16...	0934	80513	156	100	--	759	5.7	50	7.3	325	10.0
16...	0935	80513	156	110	--	759	5.5	49	7.3	328	9.9
16...	0936	80513	156	120	--	759	5.0	45	7.2	327	9.7
16...	0937	80513	156	130	--	759	5.0	44	7.2	327	9.6
16...	0941	80513	156	140	--	759	4.7	42	7.2	327	9.5
16...	0942	80513	156	150	--	759	3.7	32	7.1	328	9.4
16...	0943	80513	156	156	--	759	3.1	27	7.1	328	9.4
JUL											
13...	1004	80513	155	.60	5.80	758	8.3	108	8.3	308	28.7
13...	1005	80513	155	10.0	--	758	8.2	107	8.3	308	28.6
13...	1006	80513	155	20.1	--	758	8.2	106	8.3	308	28.5
13...	1008	80513	155	25.0	--	758	8.4	108	8.3	309	28.3
13...	1009	80513	155	26.0	--	758	12.2	153	8.3	313	26.6
13...	1010	80513	155	27.0	--	758	13.7	168	8.3	314	25.4
13...	1011	80513	155	28.0	--	758	14.0	167	8.3	316	23.8
13...	1012	80513	155	29.0	--	758	13.4	156	8.3	318	22.7
13...	1013	80513	155	30.0	--	758	12.8	145	8.2	320	21.3
13...	1014	80513	155	32.0	--	758	11.3	125	8.1	322	20.2
13...	1015	80513	155	35.0	--	758	9.7	104	8.0	325	18.8
13...	1016	80513	155	38.0	--	758	8.5	90	7.9	326	17.6
13...	1017	80513	155	40.0	--	758	8.1	84	7.8	325	16.9
13...	1018	80513	155	44.0	--	758	6.8	69	7.6	326	15.8
13...	1019	80513	155	50.0	--	758	5.6	56	7.5	326	14.8
13...	1020	80513	155	55.0	--	758	5.2	51	7.4	326	14.1
13...	1021	80513	155	60.0	--	758	4.8	46	7.3	328	13.1
13...	1022	80513	155	70.0	--	758	4.8	45	7.3	330	11.8
13...	1023	80513	155	80.1	--	758	4.7	43	7.2	329	11.0
13...	1024	80513	155	90.0	--	758	4.9	44	7.2	329	10.6
13...	1025	80513	155	100	--	758	4.3	39	7.2	332	10.3
13...	1026	80513	155	110	--	758	3.9	35	7.1	333	10.2
13...	1027	80513	155	120	--	758	3.7	33	7.1	333	10.0
13...	1028	80513	155	130	--	758	3.5	31	7.1	333	9.9
13...	1029	80513	155	140	--	758	1.6	14	7.0	334	9.7
13...	1030	80513	155	150	--	758	1.1	10	7.0	333	9.6
13...	1031	80513	155	155	--	758	.7	6	7.0	333	9.7
AUG											
24...	1241	80513	148	.40	5.80	754	7.4	100	8.2	302	30.2
24...	1242	80513	148	10.0	--	754	7.4	99	8.2	300	29.8
24...	1253	80513	148	20.0	--	754	7.4	99	8.2	300	29.7
24...	1344	80513	148	30.0	--	754	8.0	106	8.2	304	29.3
24...	1345	80513	148	31.0	--	754	10.8	139	8.1	324	27.4
24...	1346	80513	148	32.1	--	754	11.4	143	8.0	324	26.6
24...	1347	80513	148	34.1	--	754	11.9	146	8.0	319	25.0
24...	1348	80513	148	37.0	--	754	10.4	123	7.9	320	22.9
24...	1349	80513	148	40.0	--	754	9.0	103	7.8	323	21.6
24...	1350	80513	148	42.0	--	754	7.8	88	7.7	324	20.6
24...	1351	80513	148	45.0	--	754	6.4	70	7.5	326	19.6
24...	1352	80513	148	48.0	--	754	5.0	53	7.4	326	18.2
24...	1353	80513	148	50.0	--	754	4.4	47	7.3	326	17.7
24...	1354	80513	148	55.0	--	754	3.3	34	7.2	330	16.2
24...	1355	80513	148	60.0	--	754	2.7	27	7.1	330	15.2
24...	1356	80513	148	70.0	--	754	2.0	20	7.1	331	13.8
24...	1357	80513	148	77.1	--	754	2.0	19	7.0	330	12.8
24...	1358	80513	148	80.1	--	754	2.0	19	7.0	330	12.5
24...	1359	80513	148	90.0	--	754	1.4	13	7.0	336	11.5
24...	1400	80513	148	100	--	754	.7	7	6.9	339	11.0
24...	1401	80513	148	110	--	754	.2	1	6.9	346	10.7
24...	1402	80513	148	120	--	754	.1	1	6.9	343	10.5
24...	1403	80513	148	130	--	754	.1	1	6.9	343	10.3
24...	1404	80513	148	140	--	754	.1	1	6.9	341	10.1
24...	1405	80513	148	148	--	754	.1	.0	6.9	341	10.0

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl- trd uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
SEP 2005											
22...	1453	80513	148	.40	5.10	760	7.7	99	8.1	311	28.6
22...	1454	80513	148	10.0	--	760	8.4	106	8.1	310	27.4
22...	1455	80513	148	19.9	--	760	8.1	102	8.1	309	26.9
22...	1457	80513	148	30.1	--	760	7.4	93	8.0	308	26.7
22...	1458	80513	148	36.0	--	760	5.6	68	7.5	333	25.5
22...	1459	80513	148	37.0	--	760	5.6	68	7.5	335	25.0
22...	1500	80513	148	38.1	--	760	6.4	76	7.5	334	24.2
22...	1501	80513	148	40.1	--	760	6.4	76	7.4	333	23.4
22...	1502	80513	148	43.0	--	760	5.3	62	7.3	333	22.2
22...	1503	80513	148	46.0	--	760	4.5	51	7.3	332	20.9
22...	1504	80513	148	48.1	--	760	3.5	39	7.2	332	19.7
22...	1505	80513	148	50.0	--	760	2.9	32	7.1	332	18.9
22...	1506	80513	148	52.1	--	760	2.1	23	7.1	334	18.0
22...	1507	80513	148	55.0	--	760	1.5	16	7.0	335	17.0
22...	1508	80513	148	60.0	--	760	1.3	13	7.0	334	15.9
22...	1509	80513	148	70.1	--	760	.6	6	7.0	338	14.4
22...	1510	80513	148	80.0	--	760	.6	6	6.9	338	13.1
22...	1511	80513	148	90.0	--	760	.2	2	6.9	340	12.0
22...	1512	80513	148	100	--	760	.1	1	6.9	348	11.3
22...	1513	80513	148	110	--	760	.1	1	6.8	350	11.0
22...	1514	80513	148	120	--	760	.1	1	6.8	347	10.7
22...	1515	80513	148	130	--	760	.1	.0	6.8	348	10.5
22...	1516	80513	148	140	--	760	.1	.0	6.8	350	10.2
22...	1517	80513	148	148	--	760	.1	.0	6.8	349	10.1

WHITE RIVER BASIN

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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 continuously June through December. Water-quality records good except dissolved oxygen records October 9-14 and November 1-3, which are fair; and October 18-19, November 5-10, 13, 17, November 21 to December 1, December 7-13, June 3-28, July 22-31, August 31 to September 7, and September 19-28, which are poor. Satellite telemeter at station.

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	2.7	4.8	6.4	0.5	3.5	8.7	1.7	6.1	---	---	---
2	7.1	2.0	4.1	6.4	0.8	2.8	8.0	5.0	6.5	---	---	---
3	7.6	1.7	4.0	6.0	0.7	2.6	8.1	5.4	6.8	---	---	---
4	7.4	1.7	4.6	6.9	1.1	4.5	8.3	5.4	6.8	---	---	---
5	6.8	1.5	3.8	7.3	3.0	6.3	7.8	5.4	6.6	---	---	---
6	6.8	2.8	4.8	7.4	1.3	4.8	7.8	5.3	6.3	---	---	---
7	7.5	3.4	5.3	7.4	2.4	5.7	7.6	5.0	6.0	---	---	---
8	7.5	2.4	4.7	8.0	1.4	5.5	7.9	3.6	5.6	---	---	---
9	7.6	1.3	3.7	8.3	1.2	4.9	7.4	2.8	5.2	---	---	---
10	8.0	1.7	3.5	7.1	2.0	5.7	9.2	3.6	5.9	---	---	---
11	7.4	1.8	4.8	7.5	4.9	6.2	8.0	4.4	7.6	---	---	---
12	8.2	0.7	4.0	8.0	1.8	6.6	8.6	7.6	8.0	---	---	---
13	7.8	1.5	3.8	7.7	6.1	7.1	9.4	5.3	8.2	---	---	---
14	8.1	1.4	4.1	7.4	5.4	6.8	8.6	5.0	6.9	---	---	---
15	6.9	1.4	4.6	7.7	2.5	6.1	8.0	4.8	6.2	---	---	---
16	7.6	1.3	3.9	7.6	0.4	5.1	7.1	4.8	5.7	---	---	---
17	7.3	1.4	4.3	7.0	0.8	5.4	7.5	5.0	6.0	---	---	---
18	8.1	2.1	5.0	---	---	---	6.9	5.0	5.7	---	---	---
19	7.8	2.1	4.8	6.6	4.3	5.9	7.0	5.6	6.4	---	---	---
20	6.7	1.2	4.2	6.6	0.3	1.7	7.7	5.8	6.7	---	---	---
21	7.6	2.7	5.1	5.6	0.4	2.5	7.2	5.8	6.4	---	---	---
22	7.0	2.7	4.7	5.9	4.1	5.0	8.0	6.3	7.2	---	---	---
23	7.6	1.1	3.7	5.3	4.1	4.7	8.0	6.6	7.3	---	---	---
24	6.6	1.8	3.6	7.8	5.2	5.9	8.4	6.8	7.4	---	---	---
25	7.0	1.8	5.4	7.3	2.6	6.2	8.0	6.8	7.1	---	---	---
26	7.0	0.9	2.4	6.2	0.6	3.9	7.4	6.8	7.0	---	---	---
27	7.4	0.7	2.2	7.3	0.6	4.2	8.3	6.9	7.3	---	---	---
28	6.2	0.6	2.1	7.4	1.8	6.5	8.6	7.0	7.7	---	---	---
29	6.8	0.8	3.2	7.6	0.6	6.3	8.6	7.2	7.8	---	---	---
30	6.6	0.5	2.1	8.7	0.9	7.1	9.0	7.3	8.3	---	---	---
31	6.5	0.3	1.5	---	---	---	8.8	5.2	6.7	---	---	---
MONTH	8.2	0.3	4.0	---	---	---	9.4	1.7	6.8	---	---	---

WHITE RIVER BASIN

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.2	5.8	6.8	9.0	4.5	6.6	5.5	1.9	3.5	6.7	1.1	3.1
2	9.3	6.7	7.2	9.1	4.9	7.2	5.4	1.7	3.5	7.5	1.4	3.8
3	9.1	6.6	7.4	9.2	5.0	7.6	7.8	1.6	3.5	8.9	2.2	4.8
4	7.8	6.6	7.2	10.1	5.8	7.6	7.0	1.8	3.8	6.2	1.5	4.1
5	7.8	6.8	7.3	10.1	4.8	7.1	5.8	1.9	3.5	7.7	2.6	5.3
6	8.2	6.8	7.5	10.8	4.3	6.5	5.7	1.4	3.2	7.4	2.1	5.1
7	8.9	6.1	7.0	9.7	4.4	6.2	6.9	1.9	4.4	7.3	1.2	3.7
8	8.8	6.0	7.2	8.6	4.4	6.2	7.3	1.6	3.5	7.1	1.3	3.3
9	9.5	5.4	7.2	8.9	3.9	5.9	5.7	1.6	3.4	7.2	0.9	3.3
10	10.1	5.6	7.6	8.8	4.0	5.9	7.3	1.8	3.9	8.0	1.1	3.5
11	10.8	5.8	7.9	8.9	4.4	6.8	7.4	1.5	3.5	8.1	1.1	4.7
12	10.7	7.3	8.7	8.8	4.4	6.3	6.4	1.4	3.4	9.0	1.2	4.7
13	10.3	6.0	7.6	9.5	3.7	5.4	6.2	1.0	3.5	8.2	1.3	4.0
14	10.3	6.1	8.0	8.0	2.9	4.8	7.1	1.2	3.5	6.5	1.1	2.9
15	9.6	5.7	7.8	7.2	4.3	5.5	4.8	1.0	2.8	6.9	1.4	3.9
16	11.4	6.1	8.4	7.3	4.2	5.8	7.1	1.6	3.4	6.9	1.8	3.9
17	11.6	6.9	9.0	7.0	4.2	5.3	5.8	1.3	2.7	7.2	1.5	5.3
18	11.2	6.9	9.0	7.8	4.1	6.4	5.4	1.2	3.2	8.4	1.3	5.5
19	11.6	7.1	8.8	8.4	4.8	6.4	5.0	1.6	3.5	7.2	1.4	4.5
20	12.3	7.1	8.7	8.3	3.7	5.5	6.9	1.3	3.4	7.4	2.1	4.4
21	11.8	6.9	9.1	8.0	2.5	5.0	6.8	1.4	3.6	7.0	2.1	4.7
22	12.3	6.9	9.2	8.1	2.2	5.0	5.6	1.4	2.9	6.6	2.2	4.1
23	11.6	8.0	9.7	7.9	3.1	5.1	5.8	1.2	3.6	6.3	2.3	4.3
24	11.9	7.7	10.5	7.9	3.0	5.0	8.7	1.3	3.5	7.2	2.3	4.8
25	12.2	9.4	11.2	7.9	2.9	4.7	7.2	1.3	3.9	---	---	---
26	11.9	8.1	10.0	8.3	2.9	5.0	7.6	1.4	3.6	---	---	---
27	12.6	6.9	9.1	6.4	3.1	4.7	6.2	1.2	3.7	7.6	3.9	5.5
28	12.6	6.6	8.6	6.0	2.9	4.2	6.0	1.1	3.3	7.9	3.2	6.0
29	10.3	4.9	7.1	5.8	4.0	4.7	6.6	0.8	4.6	6.6	3.2	4.7
30	10.3	4.4	6.5	6.4	2.0	3.7	7.1	0.8	3.4	6.3	1.2	3.7
31	---	---	---	5.5	2.1	3.7	6.7	1.3	3.1	---	---	---
MONTH	12.6	4.4	8.2	10.8	2.0	5.7	8.7	0.8	3.5	---	---	---

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.6	12.3	13.1	14.1	12.7	13.3	14.1	13.3	13.8	---	---	---
2	13.9	12.4	12.9	14.6	12.7	13.3	14.0	13.6	13.8	---	---	---
3	13.8	12.0	12.7	14.7	12.9	13.5	13.9	13.6	13.8	---	---	---
4	13.5	12.0	12.7	14.2	12.7	13.7	13.8	13.6	13.7	---	---	---
5	13.7	12.2	12.9	14.4	13.0	14.1	13.7	13.4	13.6	---	---	---
6	13.6	12.4	13.2	14.3	12.8	13.6	13.6	13.3	13.4	---	---	---
7	13.8	12.6	13.4	14.3	12.9	13.8	13.4	13.2	13.3	---	---	---
8	14.0	12.5	13.1	14.4	13.1	13.8	13.2	12.7	13.0	---	---	---
9	13.7	12.5	12.8	14.3	12.8	13.6	13.1	12.6	12.9	---	---	---
10	13.8	12.3	12.7	14.2	12.9	14.0	13.1	12.6	12.9	---	---	---
11	14.0	12.3	13.2	14.7	14.0	14.3	13.1	12.7	12.9	---	---	---
12	13.7	12.2	12.7	15.0	13.3	14.5	12.8	12.7	12.8	---	---	---
13	13.7	12.6	12.9	14.8	14.5	14.7	12.8	12.5	12.8	---	---	---
14	14.0	12.3	12.9	14.5	14.2	14.3	12.7	12.3	12.5	---	---	---
15	14.0	12.3	13.2	14.3	13.2	14.1	12.4	11.8	12.2	---	---	---
16	13.5	12.4	12.9	14.4	13.2	14.2	12.2	11.8	12.0	---	---	---
17	13.9	12.5	13.0	14.4	13.4	14.2	12.4	11.8	12.0	---	---	---
18	13.7	12.6	13.1	14.4	14.4	14.4	12.3	11.8	11.9	---	---	---
19	14.2	12.7	13.4	14.4	13.7	14.3	12.2	11.6	11.8	---	---	---
20	14.3	12.8	13.5	14.3	13.1	13.4	11.6	11.3	11.5	---	---	---
21	14.0	12.6	13.4	14.4	13.2	13.7	11.6	11.3	11.4	---	---	---
22	14.0	12.7	13.7	14.3	14.2	14.3	11.3	10.9	11.2	---	---	---
23	14.1	12.8	13.2	14.3	14.2	14.2	11.3	10.7	10.9	---	---	---
24	14.4	12.8	13.4	14.9	14.2	14.5	11.0	10.4	10.7	---	---	---
25	14.2	12.8	13.8	14.6	13.6	14.4	10.8	10.3	10.4	---	---	---
26	14.0	12.6	12.9	14.2	13.1	13.7	10.8	10.2	10.4	---	---	---
27	13.9	12.6	12.9	14.3	13.4	13.9	10.6	10.1	10.2	---	---	---
28	14.0	12.7	13.0	14.3	13.4	14.1	10.6	10.0	10.1	---	---	---
29	14.0	12.8	13.2	14.1	13.4	14.0	10.0	9.8	9.8	---	---	---
30	13.9	12.7	13.0	14.2	13.6	14.1	9.8	9.5	9.6	---	---	---
31	14.1	12.8	13.0	---	---	---	9.8	9.4	12.0	---	---	---
MONTH	14.4	12.0	13.1	15.0	12.7	14.0	14.1	9.4	12.0	---	---	---

WHITE RIVER BASIN

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

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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

WHITE RIVER BASIN

07060000 NORTH FORK RIVER AT NORFORK DAM NEAR NORFORK

LOCATION.--Lat 36°14'57", 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 mi².

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 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf us/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
OCT 2004 21...	0831	80513	80513	767	5.3	51	7.2	323	13.8
NOV 17...	1131	80513	80513	775	7.9	78	7.6	311	15.7
DEC 28...	1244	80513	80513	771	12.1	110	8.5	312	11.8
MAR 2005 23...	0943	80513	80513	760	10.1	88	8.2	324	8.9
JUN 16...	1005	80513	80513	762	11.1	102	7.4	349	11.8
JUL 13...	1059	80513	80513	761	10.4	99	7.9	333	12.9
AUG 24...	1428	80513	80513	755	6.1	59	7.1	338	13.1
SEP 22...	1428	80513	80513	760	6.3	61	7.0	343	14.0

WHITE RIVER BASIN

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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 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft above NGVD of 1929. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft higher.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Flow regulated since 1943 by Norfolk Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4400	5680	24500	2040	34700	18900	20200	5990	2280	3840	6680	5260
2	4490	13600	26000	1930	34300	17800	16600	3110	3680	4780	8480	4610
3	2180	16100	23000	3880	27000	15000	12000	5800	4530	4920	9830	3810
4	2270	11400	22400	27200	19600	13300	11900	6010	3210	3420	9810	4420
5	3940	10100	22100	38500	18700	10600	15000	5400	4900	2360	8700	3680
6	4930	9210	21400	33000	19600	4070	13400	6730	5290	3250	5120	1970
7	6280	6820	26400	27400	16600	5410	17400	4520	3730	3140	2790	4690
8	7080	6080	22400	16200	20900	8920	22600	2400	8680	7270	2850	2890
9	5690	7120	19700	12100	19000	8790	20500	2650	7290	6410	6950	4010
10	3590	7340	21500	9940	19500	10100	19300	4050	6650	4500	6570	4720
11	4290	8360	23500	14600	18900	11500	19900	5890	5710	5390	6470	2350
12	6340	8090	23300	15000	19200	9880	26300	e7700	6550	8450	5520	2230
13	6720	9590	22400	24600	18300	4370	23300	6950	3660	7540	7320	6080
14	4280	9200	22500	29900	18300	9090	16500	4450	7840	7810	4230	6810
15	3810	6640	21900	28400	20400	7590	15600	1780	6240	10100	3800	4640
16	6940	6990	18100	25800	19700	9850	16000	2510	3750	10500	8990	4540
17	6530	9460	15200	26200	19700	9530	14900	2120	2790	9350	6250	4270
18	6420	13200	15600	26000	20100	9460	13600	2410	2770	8660	6940	2850
19	7810	12600	15300	31000	20400	8210	13800	3970	3530	8260	8510	3520
20	7140	10500	17000	31500	19700	4480	16300	3330	4080	8650	9350	4550
21	6880	7900	18100	31700	18300	5590	16600	5600	4470	8350	3990	5200
22	8430	8340	16400	31500	18500	11500	19400	4720	3910	7860	3000	5380
23	7030	11000	15200	31100	20500	15700	18200	5120	7180	8390	4670	5510
24	4610	13000	15500	31100	17800	22400	20800	5630	6750	7190	5080	5580
25	6140	17200	15200	30900	20600	21300	18100	2340	5380	8800	6210	3080
26	6630	16800	14800	30800	19200	20000	15000	1500	3110	9910	5930	2010
27	5740	13700	11500	31000	18500	23100	14300	1680	2710	9260	4120	4500
28	4290	14100	11200	34600	19700	25800	16800	2480	3990	7370	2750	3670
29	9570	13800	6690	34800	---	17700	14500	3140	3170	9780	3660	2840
30	10900	e19200	5050	34800	---	20600	7370	3050	3890	6940	6200	2670
31	8160	---	3690	34800	---	22100	---	2000	---	6650	5030	---
TOTAL	183510	323120	557530	782290	577700	402640	506170	125030	141720	219100	185800	122340
MEAN	5920	10770	17980	25240	20630	12990	16870	4033	4724	7068	5994	4078
MAX	10900	19200	26400	38500	34700	25800	26300	7700	8680	10500	9830	6810
MIN	2180	5680	3690	1930	16600	4070	7370	1500	2280	2360	2750	1970
AC-FT	364000	640900	1106000	1552000	1146000	798600	1004000	248000	281100	434600	368500	242700

WHITE RIVER BASIN

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

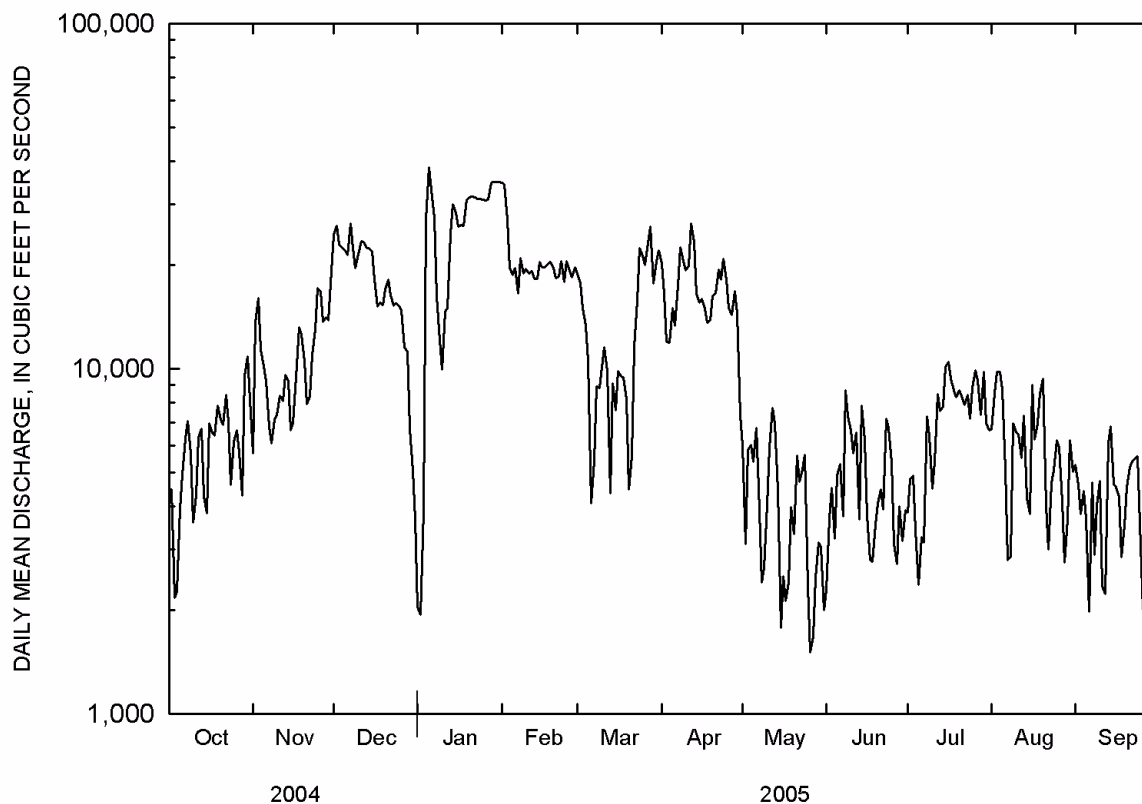
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

MEAN	5278	7001	10030	10820	12630	14490	15340	13760	10310	9555	7953	6014
MAX	13150	26560	31170	34700	39600	62300	86320	64400	44330	29410	25390	25180
(WY)	1958	1947	1997	1950	1949	1945	1945	1943	1945	1957	1957	1957
MIN	584	892	1359	1680	2204	3468	1610	2137	3095	1545	1210	678
(WY)	1955	1982	1982	1955	1964	2000	1981	2001	2001	1944	1943	1943

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1943 - 2005	
ANNUAL TOTAL	3759030		4126950			
ANNUAL MEAN	10270		11310		10250	
HIGHEST ANNUAL MEAN					22890 1945	
LOWEST ANNUAL MEAN					3482 1981	
HIGHEST DAILY MEAN	130000	Apr 25	38500	Jan 5	292000	Apr 16 1945
LOWEST DAILY MEAN	1650	Jan 3	1500	May 26	310	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	3220	Sep 28	2300	May 26	412	Sep 23 1954
MAXIMUM PEAK FLOW			42000	Jan 5	310000	Apr 16 1945
MAXIMUM PEAK STAGE			14.19	Jan 5	149.84	Apr 16 1945
INSTANTANEOUS LOW FLOW			879	Sep 6	292	Sep 23 2003
ANNUAL RUNOFF (AC-FT)	7456000		8186000		7429000	
10 PERCENT EXCEEDS	18100		22800		21500	
50 PERCENT EXCEEDS	8110		8210		7010	
90 PERCENT EXCEEDS	3590		3130		2070	

¹At present datum

^eEstimated



WHITE RIVER BASIN

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

DISSOLVED OXYGEN: May 1991 to December 1994.

REMARKS.--Flow regulated by upstream reservoirs.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency location, code (81903)	DepthTo bottom at sample location, ft from rt bank (72103)	Sample location, cross section ft from bank (00003)	Sampling depth, feet (00004)	Stream width, feet (00025)	Barometric pressure, mm Hg (00300)	Dissolved oxygen, mg/L (00301)	pH, unfltrd field, std units (00400)	Specif. conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)		
OCT 2004														
14...	1157	80513	3.00	10.0	.20	200	762	9.0	90	7.3	260	15.5		
14...	1158	80513	8.00	30.0	.20	200	762	9.1	91	7.3	263	15.5		
14...	1200	80513	7.00	50.0	.20	200	762	10.0	100	7.4	262	15.5		
14...	1202	80513	6.00	70.0	.20	200	762	9.1	91	7.5	262	15.5		
14...	1204	80513	4.00	90.0	.10	200	762	8.9	89	7.5	262	15.5		
14...	1205	80513	6.00	110.0	.20	200	762	9.7	97	7.5	263	15.5		
14...	1206	80513	11.0	130.0	.10	200	762	9.3	93	7.5	266	15.4		
14...	1207	80513	4.00	150.0	.10	200	762	9.2	92	7.5	269	15.4		
14...	1208	80513	5.00	170.0	.10	200	762	9.4	94	7.5	270	15.3		
14...	1209	80513	5.00	190.0	.10	200	762	9.3	93	7.5	271	15.3		
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specif. conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	
OCT 2004														
14...	1220	80513	80020	4450	10	762	9.3	93	7.5	263	15.5	130	38.9	
JAN 2005														
25...	1100	80513	80020	30400	10	765	8.8	76	8.3	303	9.3	140	34.4	
MAR														
29...	1030	80513	80020	15000	10	760	11.0	100	8.2	267	10.8	140	37.9	
APR														
13...	1150	80513	80020	20800	10	768	10.0	91	8.2	275	11.5	130	36.5	
JUN														
14...	1215	80513	80020	7780	10	767	9.6	101	8.5	294	17.9	150	39.0	
AUG														
31...	1030	80513	80020	7220	70	763	9.3	93	7.7	331	15.7	180	40.0	
Date	Time	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 2004														
14...	7.17	1.56	.1	3.04	5	4.96	E.1	6.6	139	.19	<.04	.40	<.008	
JAN 2005														
25...	13.1	1.60	.1	3.13	5	5.72	E.1	6.3	163	.17	<.04	.23	<.008	
MAR														
29...	11.1	1.38	.1	2.31	3	3.61	E.1	4.9	157	.18	<.04	.27	<.008	
APR														
13...	8.66	1.51	.1	2.98	5	4.62	E.1	6.0	139	.23	<.04	.32	<.008	
JUN														
14...	12.6	1.79	.1	3.65	5	5.95	E.1	6.7	156	.24	<.04	.31	<.008	
AUG														
31...	19.1	1.66	.1	2.52	3	4.34	E.1	5.1	163	.20	<.04	.34	<.008	
Date	Time	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, fltrd, mg/L (00666)	Phosphorus, unfltrd, mg/L (00665)	Total nitrogen, unfltrd, mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC MF, col/100 mL (31625)	Fecal streptococci, KF MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)		
OCT 2004														
14...	<.02	<.04	<.04	.59	57	54	57	93	44	529	3052			
JAN 2005														
25...	<.02	<.04	E.02	.41	E3	E7	E5	71	50	4100	3054			
MAR														
29...	<.02	<.04	E.03	.45	180	150	92	88	14	567	3052			
APR														
13...	<.02	<.04	E.03	.56	300	E330	155	80	20	1120	3052			
JUN														
14...	<.02	<.04	<.04	.55	54	120	85	81	10	210	3052			
AUG														
31...	<.02	<.04	<.04	.54	96	120	--	52	101	1970	3070			

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07060500 WHITE RIVER AT CALICO ROCK--CONTINUED

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
													OCTOBER
1	17.3	16.4	16.7	18.0	16.8	17.6	---	---	---	---	---	---	
2	17.8	16.2	16.7	18.1	16.9	17.6	---	---	---	---	---	---	
3	16.8	16.1	16.4	16.9	16.2	16.5	13.2	13.1	13.2	---	---	---	
4	17.2	16.5	16.8	16.2	15.5	15.8	13.1	13.1	13.1	---	---	---	
5	---	---	---	15.5	15.1	15.2	13.6	13.1	13.3	---	---	---	
6	16.8	16.2	16.4	15.1	14.8	14.9	---	---	---	---	---	---	
7	16.3	15.8	16.0	15.1	14.8	15.0	---	---	---	---	---	---	
8	16.6	16.1	16.4	15.1	14.9	15.0	15.3	13.3	14.2	---	---	---	
9	16.6	15.9	16.1	15.0	14.6	14.8	13.3	13.2	13.2	---	---	---	
10	17.0	16.1	16.3	14.6	14.4	14.5	13.2	13.0	13.1	---	---	---	
11	18.3	16.9	17.9	14.7	14.5	14.6	13.0	12.9	13.0	---	---	---	
12	18.3	16.1	17.0	14.7	14.5	14.6	13.0	13.0	13.0	---	---	---	
13	16.2	15.7	15.9	14.5	14.1	14.3	13.0	12.9	13.0	---	---	---	
14	16.0	15.5	15.9	14.2	14.1	14.1	12.9	12.6	12.7	---	---	---	
15	15.5	15.0	15.2	14.3	14.1	14.1	12.6	12.3	12.5	---	---	---	
16	15.2	15.1	15.2	14.6	14.3	14.4	12.4	12.2	12.3	---	---	---	
17	15.2	14.9	15.0	14.8	14.6	14.7	12.2	12.1	12.1	---	---	---	
18	15.8	15.0	15.3	14.8	14.7	14.7	12.1	12.1	12.1	---	---	---	
19	16.0	15.8	16.0	14.7	14.5	14.6	12.1	11.9	12.0	---	---	---	
20	16.0	15.6	15.8	14.6	14.6	14.6	11.9	11.6	11.7	---	---	---	
21	15.6	15.4	15.5	14.6	14.6	14.6	11.7	11.6	11.6	---	---	---	
22	15.4	15.3	15.4	14.6	14.5	14.5	11.7	11.5	11.7	---	---	---	
23	17.9	15.4	16.3	14.6	14.5	14.6	11.5	11.0	11.2	---	---	---	
24	16.2	15.8	16.0	14.6	14.4	14.5	11.0	10.7	10.8	---	---	---	
25	16.2	15.8	15.9	14.4	14.0	14.1	10.7	10.5	10.6	---	---	---	
26	16.1	15.6	15.8	14.0	13.8	13.8	10.6	10.5	10.5	---	---	---	
27	16.3	16.1	16.2	---	---	---	10.6	10.5	10.6	---	---	---	
28	17.1	16.2	16.5	---	---	---	10.5	10.4	10.5	---	---	---	
29	17.0	16.5	16.7	---	---	---	10.8	10.5	10.6	---	---	---	
30	19.1	17.0	17.8	---	---	---	11.1	10.8	11.0	---	---	---	
31	17.3	17.0	17.1	---	---	---	11.7	11.1	11.3	---	---	---	
MONTH	---	---	---	---	---	---	---	---	---	---	---	---	
		JUNE			JULY			AUGUST			SEPTEMBER		
1	22.0	20.1	21.1	22.4	16.2	19.4	18.7	15.2	17.1	18.8	15.6	17.4	
2	20.1	17.2	18.2	21.2	15.1	18.4	17.5	14.5	16.1	19.5	15.7	17.8	
3	18.3	15.8	17.0	21.5	16.1	18.6	16.5	14.4	15.5	20.6	16.8	18.8	
4	24.3	16.9	20.5	21.8	16.7	19.6	16.6	14.4	15.5	19.7	16.2	18.2	
5	21.7	16.7	18.9	22.2	19.3	20.9	16.3	14.7	15.7	20.2	16.7	18.6	
6	18.1	14.7	16.4	24.0	18.5	21.6	18.5	14.8	16.7	21.5	17.5	19.8	
7	24.9	15.6	20.0	23.8	19.2	21.8	20.9	15.2	18.2	21.1	16.6	18.6	
8	19.5	15.1	16.7	22.1	15.6	17.3	23.7	17.6	20.7	20.8	15.9	18.6	
9	18.5	14.4	16.4	18.7	14.2	16.7	20.5	15.9	17.9	20.5	16.8	18.8	
10	19.4	13.6	17.0	19.8	14.7	17.6	19.3	14.5	17.2	19.1	16.0	17.7	
11	21.0	14.9	18.1	19.2	15.0	16.2	19.4	14.6	17.2	20.5	16.3	18.7	
12	18.8	14.7	16.7	16.0	13.7	14.8	21.4	14.6	17.8	21.8	18.2	20.2	
13	21.9	15.3	18.8	16.7	13.4	15.1	18.0	15.6	17.1	21.2	17.0	18.0	
14	19.8	15.2	17.4	16.7	13.9	15.7	20.3	16.7	18.5	17.3	15.9	16.4	
15	20.0	14.5	17.1	15.7	13.8	14.8	20.6	15.9	18.1	17.3	15.2	16.2	
16	18.0	14.2	16.3	15.1	13.8	14.4	18.4	15.2	16.1	17.2	16.0	16.6	
17	19.6	14.4	16.6	15.9	13.3	14.8	17.1	15.1	16.3	17.7	14.8	16.6	
18	22.5	18.3	20.6	17.1	13.9	15.4	18.3	15.6	17.2	19.2	16.0	17.7	
19	21.9	17.3	20.2	17.6	15.2	16.3	17.9	15.9	17.0	21.1	18.5	19.8	
20	21.7	18.6	20.3	16.6	14.7	15.5	17.5	15.2	16.5	20.5	16.4	18.5	
21	20.7	14.8	17.9	16.4	14.5	15.3	20.4	16.6	18.8	20.3	15.7	18.5	
22	21.7	16.1	19.2	17.3	15.2	16.5	21.8	19.0	20.3	19.6	15.8	17.7	
23	20.4	13.8	16.3	17.7	15.9	16.9	20.8	16.5	17.9	18.9	15.5	17.3	
24	18.9	13.4	15.9	18.4	16.8	17.8	19.7	15.4	17.5	17.5	15.6	16.5	
25	19.0	14.8	16.9	18.2	16.2	17.2	18.5	15.1	17.1	19.3	16.4	17.9	
26	19.4	16.6	18.3	18.0	14.8	16.3	17.9	15.2	16.8	21.5	17.9	20.0	
27	24.4	17.5	20.7	18.0	13.8	15.1	19.6	15.6	17.6	21.4	17.5	19.2	
28	24.1	17.2	20.8	16.8	14.3	15.5	21.8	17.5	19.7	19.4	15.7	17.9	
29	23.5	16.8	20.3	15.7	14.0	14.8	21.7	18.4	19.9	19.6	17.8	18.5	
30	23.3	16.3	20.2	17.8	13.5	16.0	19.9	16.4	17.6	18.6	16.6	17.6	
31	---	---	---	18.8	14.3	16.8	19.7	15.3	17.6	---	---	---	
MONTH	24.9	13.4	18.4	24.0	13.3	16.9	23.7	14.4	17.5	21.8	14.8	18.1	

WHITE RIVER BASIN

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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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1966 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 NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	198	199	18	17	26	71	40	4.9	7.9	2.0	1.5
2	1.8	252	114	18	19	24	56	32	5.0	7.2	2.9	1.3
3	1.8	130	74	639	33	22	47	27	4.7	6.6	2.3	1.4
4	1.8	93	49	920	32	21	41	24	4.4	8.0	2.0	1.5
5	1.8	64	52	412	28	20	36	22	4.8	5.8	1.7	2.3
6	1.8	46	109	417	27	19	45	20	4.5	3.6	6.0	2.4
7	1.8	35	209	198	30	20	204	18	4.5	3.2	12	2.3
8	22	28	141	125	31	22	175	17	4.4	2.8	9.9	2.2
9	40	22	93	89	30	24	129	17	3.9	2.4	6.8	2.2
10	20	19	63	68	27	37	97	16	4.2	3.7	5.9	2.2
11	177	e58	42	55	25	36	223	14	4.7	5.0	5.5	2.1
12	118	e69	31	48	26	33	336	13	4.1	3.4	6.3	2.0
13	56	e51	23	242	101	30	168	12	3.8	2.8	6.0	2.1
14	41	e34	17	148	106	25	115	12	8.3	2.4	6.0	2.9
15	57	e30	14	101	80	23	87	11	14	2.1	9.4	4.7
16	34	e30	12	76	60	22	68	9.8	15	2.9	11	7.1
17	22	30	11	58	47	21	56	9.2	15	2.8	11	5.4
18	16	30	9.5	48	37	20	48	9.0	11	2.5	13	4.5
19	13	35	8.5	42	33	19	41	8.7	8.0	2.0	10	4.0
20	11	34	7.3	38	30	17	36	8.4	6.7	1.9	7.6	3.7
21	9.3	30	7.3	34	33	17	45	7.8	5.2	4.1	6.2	3.6
22	8.4	28	9.7	29	31	205	149	7.4	4.5	2.9	6.4	3.5
23	43	37	8.5	25	29	198	95	9.6	3.3	1.9	7.2	3.4
24	53	358	6.2	23	31	121	64	9.5	3.2	1.4	7.5	3.8
25	32	235	5.5	22	31	95	50	8.1	3.1	1.1	6.3	45
26	23	127	5.6	21	29	85	44	6.9	3.0	0.85	3.1	35
27	19	94	5.8	19	28	710	36	5.9	2.9	1.0	2.9	19
28	117	82	6.5	18	29	352	39	5.7	3.1	3.2	2.9	11
29	142	174	10	20	---	190	55	5.6	2.8	2.5	2.1	10
30	97	403	15	20	---	130	50	5.5	2.9	2.4	2.1	8.6
31	78	---	16	18	---	93	---	5.3	---	2.1	1.7	---
TOTAL	1261.3	2856	1374.4	4009	1060	2677	2706	417.4	169.9	102.45	185.7	200.7
MEAN	40.7	95.2	44.3	129	37.9	86.4	90.2	13.5	5.66	3.30	5.99	6.69
MAX	177	403	209	920	106	710	336	40	15	8.0	13	45
MIN	1.8	19	5.5	18	17	17	36	5.3	2.8	0.85	1.7	1.3
AC-FT	2500	5660	2730	7950	2100	5310	5370	828	337	203	368	398
CFSM	0.70	1.64	0.76	2.23	0.65	1.49	1.55	0.23	0.10	0.06	0.10	0.12
IN.	0.81	1.83	0.88	2.57	0.68	1.71	1.73	0.27	0.11	0.07	0.12	0.13

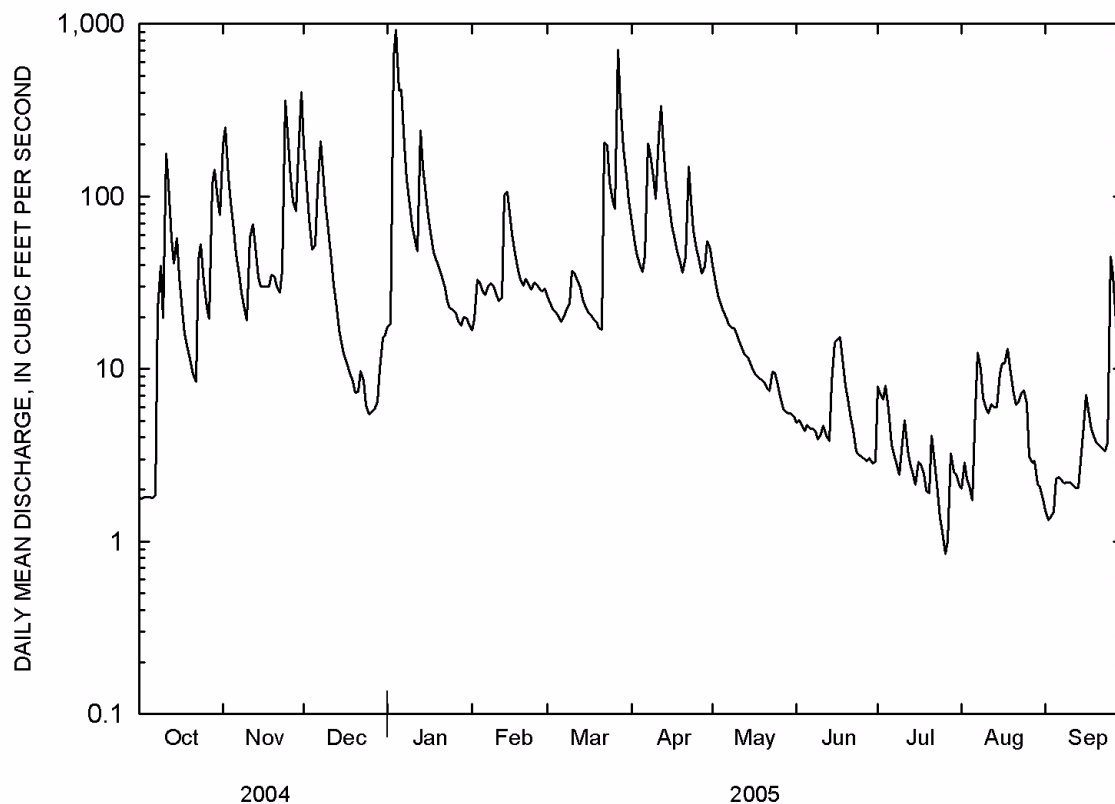
WHITE RIVER BASIN

07060710 NORTH SYLAMORE CREEK NEAR FIFTY-SIX--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	16.8	47.4	68.4	45.6	63.4	95.9	103	67.1	21.4	9.69	6.78	10.9
MAX	99.3	232	501	171	295	397	493	230	102	32.8	23.1	56.7
(WY)	1974	1997	1983	1993	1989	2002	1973	1990	1974	1992	2003	1968
MIN	3.84	4.10	3.57	4.43	9.16	9.15	12.9	7.40	5.66	3.30	3.06	2.45
(WY)	1967	1990	1990	1981	1972	1972	1971	2001	2005	2005	1987	1987

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	14771.1		17019.85			
ANNUAL MEAN	40.4		46.6		45.8	
HIGHEST ANNUAL MEAN					102	1973
LOWEST ANNUAL MEAN					15.8	1967
HIGHEST DAILY MEAN	2500	Apr 23	920	Jan 4	11500	Dec 3 1982
LOWEST DAILY MEAN	1.8	Sep 29	0.85	Jul 26	0.85	Jul 26 2005
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 29	1.7	Aug 29	1.4	Sep 1 2000
MAXIMUM PEAK FLOW			2110	Jan 3	¹ 25200	Dec 3 1982
MAXIMUM PEAK STAGE			6.88	Jan 3	20.60	Dec 3 1982
INSTANTANEOUS LOW FLOW			0.30	Sep 8	0.30	Sep 8 2005
ANNUAL RUNOFF (AC-FT)	29300		33760		33170	
ANNUAL RUNOFF (CFSM)	0.695		0.803		0.788	
ANNUAL RUNOFF (INCHES)	9.46		10.90		10.71	
10 PERCENT EXCEEDS	66		117		86	
50 PERCENT EXCEEDS	9.6		19		12	
90 PERCENT EXCEEDS	4.5		2.4		3.9	

¹From rating curve extended above 3,700 ft³/s^eEstimated

WHITE RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
NOV 10...	1245	80513	80020	19	769	11.9	112	8.3	269	13.0	134	160	1
JAN 05...	1215	80513	80020	339	765	9.5	88	8.1	186	12.5	86	104	.0
MAR 03...	0900	80513	80020	23	770	11.8	96	8.5	260	7.1	128	154	.0
MAY 03...	1330	80513	80020	27	772	11.7	116	8.4	237	15.5	136	163	1
JUL 07...	1145	80513	80020	3.5	768	6.8	83	8.0	263	25.1	122	147	.0
AUG 15...	1300	80513	80020	--	--	--	--	--	--	--	--	--	--
SEP 28...	1115	80513	80020	11	766	9.2	104	8.0	276	21.5	133	158	.2

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate, water, fltrd, mg/L (00945)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Phaeophytin a, periphyton, mg/m2 (62359)
NOV 10...	1.50	4.8	<.04	.07	<.008	<.006	<.004	.12	--	--	--	--	--
JAN 05...	1.23	4.9	<.04	.27	E.004	<.006	.011	.37	--	--	--	--	--
MAR 03...	1.56	5.6	<.04	E.04	<.008	E.003	E.003	.06	--	--	--	--	--
MAY 03...	1.35	5.4	<.04	E.04	<.008	<.006	E.003	.07	--	--	--	--	--
JUL 07...	1.99	3.8	<.04	.06	<.008	<.006	E.004	.14	--	--	--	--	--
AUG 15...	--	--	--	--	--	--	--	--	51.6	960	1009	546	21
SEP 28...	1.91	4.7	<.04	.07	<.008	<.006	E.002	.17	--	--	--	--	--

Date	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC, 0.7u MF, col/100 mL (31625)	Fecal streptococci, KF, MF, col/100 mL (31673)	Chlorophyll a periphyton, chromo-fluoro, mg/m2 (70957)	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV 10...	20	31	27	--	100	14	.72
JAN 05...	E100	<100	<100	--	95	19	17
MAR 03...	E3	E10	E2	--	73	41	2.5
MAY 03...	E2	E2	E8	--	99	49	3.6
JUL 07...	E5	E5	--	--	75	26	.25
AUG 15...	--	--	--	94.6	--	--	--
SEP 28...	E12	36	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07061000 WHITE RIVER AT BATESVILLE

LOCATION.--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.--11,070 mi².

PERIOD OF RECORD.--October 1937 to September 1958, October 1986 to September 1994, October 2000 to current year. Stage only station 1995-2000. Gage-height records collected at lower lock gage since 1904 are published in reports of National Weather Service.

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3880	10500	28100	4720	36500	21500	23500	7730	2770	4080	6400	4880
2	4700	12700	30900	3880	36600	19900	21300	7490	2650	4320	7300	5270
3	4210	19800	28700	5230	34100	17500	15600	4780	4060	4880	9040	4560
4	2580	16400	25700	22500	25500	15700	13300	7350	4590	5050	9750	3740
5	2150	12700	25000	48200	19700	14500	14900	6800	3660	3720	9370	4390
6	3710	11300	25800	48100	19200	8380	16600	6740	5220	2610	8060	3590
7	4960	9900	29200	38400	21900	5150	16200	7800	5350	3230	5380	2210
8	6600	7420	29100	26200	19600	6490	25100	5230	4760	3400	3100	4110
9	7340	6860	25800	18100	22200	10500	23100	3760	8510	7210	3140	2910
10	5640	7920	23500	13200	20900	9990	22000	3850	7950	6450	7000	3750
11	4760	8460	25000	14100	21000	11400	22400	5300	6830	4900	6590	4540
12	6350	10000	26500	17000	20100	12100	27600	6990	6410	5550	6490	2490
13	7170	9610	25700	23800	22700	9170	29800	8150	6470	8370	5650	2270
14	6610	10700	24100	32600	19000	5830	23400	7570	4940	7740	6800	5970
15	4780	9270	24500	32500	21700	10300	18300	3960	7580	8680	4430	6420
16	4560	7250	22600	29200	22700	8870	18400	2790	6430	10100	4450	4480
17	7030	8120	18900	28100	21500	10300	17300	3300	4240	10400	8260	4430
18	7180	11400	17200	28700	21500	10000	16700	2870	3180	9720	6400	4070
19	6830	14200	16600	31000	22200	9580	15500	3510	3030	8540	7190	2940
20	7980	13200	16800	32800	21300	8150	16000	5200	3800	8750	9370	3360
21	7000	9570	19700	33800	21100	4690	17900	4340	4370	8520	8270	4300
22	7320	8570	20400	33900	19700	12900	21100	5800	4560	8360	4180	4540
23	8860	10800	18400	33500	20600	16400	21800	4710	4470	8390	3200	5100
24	6530	16500	16800	32800	21500	23400	20700	5910	7320	8120	4580	5300
25	5100	20000	16600	32800	20000	24100	21700	5770	6650	7860	5060	6430
26	6610	20600	15900	32600	21400	24200	19400	3100	5480	9790	6080	3550
27	6330	17800	14700	32600	20200	31700	14900	2320	3520	10100	5950	2370
28	6020	16000	12900	34500	19700	33200	17800	2230	3030	8220	4170	4150
29	5780	19200	12300	36500	---	27600	18800	2890	4040	8710	2880	3670
30	12200	25400	7400	36600	---	23800	14000	3550	3380	9150	3620	2790
31	11100	---	6480	36500	---	23700	---	3550	---	7520	5790	---
TOTAL	191870	382150	651280	874430	634100	471000	585100	155340	149250	222440	187950	122580
MEAN	6189	12740	21010	28210	22650	15190	19500	5011	4975	7175	6063	4086
MAX	12200	25400	30900	48200	36600	33200	29800	8150	8510	10400	9750	6430
MIN	2150	6860	6480	3880	19000	4690	13300	2230	2650	2610	2880	2210
AC-FT	380600	758000	1292000	1734000	1258000	934200	1161000	308100	296000	441200	372800	243100

WHITE RIVER BASIN

07061000 WHITE RIVER AT BATESVILLE--CONTINUED

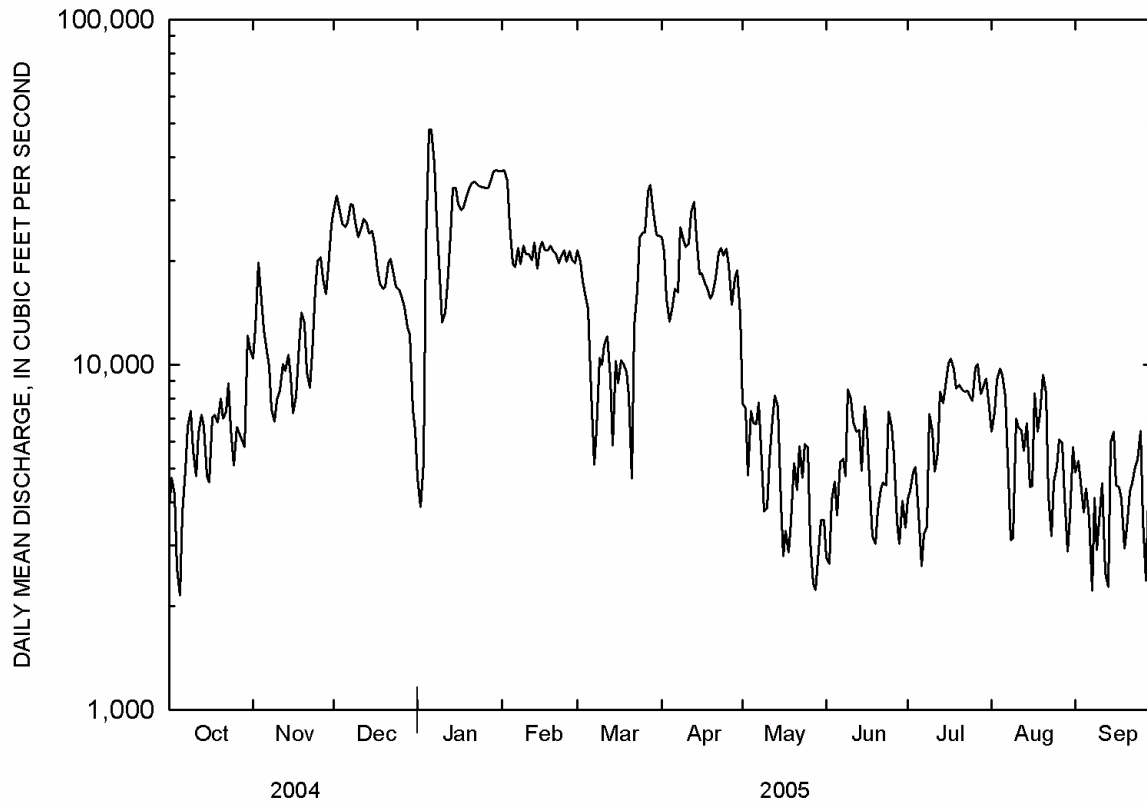
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943-58, 1987-94, 2001-05, BY WATER YEAR (WY)

MEAN	5281	8358	11570	13620	16710	19590	21160	18560	13570	10870	8031	6418
MAX	15350	28600	32380	45000	44790	72740	100400	71230	53690	29620	25860	24680
(WY)	1994	1947	1943	1949	1949	1945	1945	1943	1945	1957	1957	1957
MIN	1224	1587	1640	2454	4974	4812	4037	2495	3216	1893	1504	912
(WY)	1955	1955	1944	1945	1943	1947	2003	2001	2001	1944	1943	1943

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1943-58, 1987-94 2001-05

ANNUAL TOTAL	4360820	4627490			12790	
ANNUAL MEAN	11910	12680			26510 1945	
HIGHEST ANNUAL MEAN					5671 1954	
LOWEST ANNUAL MEAN					303000 Apr 16 1945	
HIGHEST DAILY MEAN	131000	Apr 26	48200	Jan 5	592 Sep 28 1954	
LOWEST DAILY MEAN	2030	Sep 10	2150	Oct 5	709 Sep 23 1954	
ANNUAL SEVEN-DAY MINIMUM	3270	Sep 29	2850	May 27	324000 Apr 16 1945	
MAXIMUM PEAK FLOW			55600	Jan 6	29.43 Apr 16 1945	
MAXIMUM PEAK STAGE			14.32	Jan 6	580 Sep 28 1954	
INSTANTANEOUS LOW FLOW			1600	Sep 7		
ANNUAL RUNOFF (AC-FT)	8650000	9179000			9263000	
10 PERCENT EXCEEDS	19900	26000			26400	
50 PERCENT EXCEEDS	9380	8510			7930	
90 PERCENT EXCEEDS	4430	3610			2350	

¹Prior to regulation, water years 1938-42, 10,850 ft³/s



WHITE RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 1938 to March 1996, September 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 NGVD of 1929. 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.--Water-discharge records good except estimated daily discharges, which are fair. Some regulation by Clearwater Lake (Missouri) since June 3, 1948, 105 mi upstream, capacity, 413,700 acre-ft. Satellite telemeter at station.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	845	3120	2080	1880	1350	2470	1680	575	277	369	478
2	347	1350	4070	2090	1600	1280	2380	1590	558	330	345	426
3	346	2190	4520	2280	1400	1230	2250	1420	546	403	325	389
4	345	2500	4370	2840	1230	1200	2040	1250	531	371	313	351
5	344	2500	4140	3810	1110	1180	1780	1150	508	345	293	307
6	344	2320	4180	5230	1060	1160	1610	1090	486	377	283	271
7	344	2100	4910	6870	1150	1130	1540	1070	510	356	278	248
8	345	1870	6020	7170	1550	1090	1600	1070	567	311	306	240
9	347	1580	6780	6340	1840	1050	1700	1060	657	272	307	239
10	349	1280	6280	5510	1840	1010	1660	1020	866	250	318	241
11	365	1190	5450	4950	1660	984	1550	981	902	251	310	236
12	383	1670	4610	4700	1450	945	1720	942	955	442	282	219
13	459	2310	4010	4890	1370	889	2120	908	890	1440	263	202
14	454	2440	3630	6210	1680	859	2170	896	750	2190	246	193
15	454	2270	3210	7950	2010	857	2030	917	639	2500	254	198
16	577	1870	2850	7400	2080	844	1850	986	540	2510	302	324
17	647	1460	2540	6180	2020	826	1700	1000	450	2240	412	483
18	614	1380	2260	5230	1960	796	1600	952	400	1710	528	464
19	575	1690	1880	4830	1950	777	1530	890	378	1090	521	405
20	567	2080	1500	4720	1970	762	1480	850	374	781	480	453
21	471	2280	1320	4650	2040	745	1430	837	368	912	493	487
22	424	2310	1370	4580	2140	754	1390	837	351	787	510	507
23	440	2160	1460	4480	2230	814	1340	820	330	642	747	540
24	468	1920	e1400	4330	2210	952	1270	785	330	552	1010	555
25	501	1850	e1390	4110	2080	1020	1280	e716	332	519	1020	544
26	498	1870	e1300	3840	1860	990	1410	e670	321	506	826	660
27	488	1880	1250	3530	1620	1120	1520	686	309	495	628	922
28	503	2050	1110	3190	1450	1880	1630	665	295	484	682	878
29	544	2290	1050	2920	---	2490	1700	636	271	466	773	681
30	614	2550	1380	2600	---	2620	1720	615	263	423	674	527
31	715	---	1900	2230	---	2520	---	600	---	392	545	---
TOTAL	14216	58055	95260	141740	48440	36124	51470	29589	15252	24624	14643	12668
MEAN	459	1935	3073	4572	1730	1165	1716	954	508	794	472	422
MAX	715	2550	6780	7950	2230	2620	2470	1680	955	2510	1020	922
MIN	344	845	1050	2080	1060	745	1270	600	263	250	246	193
AC-FT	28200	115200	188900	281100	96080	71650	102100	58690	30250	48840	29040	25130

WHITE RIVER BASIN

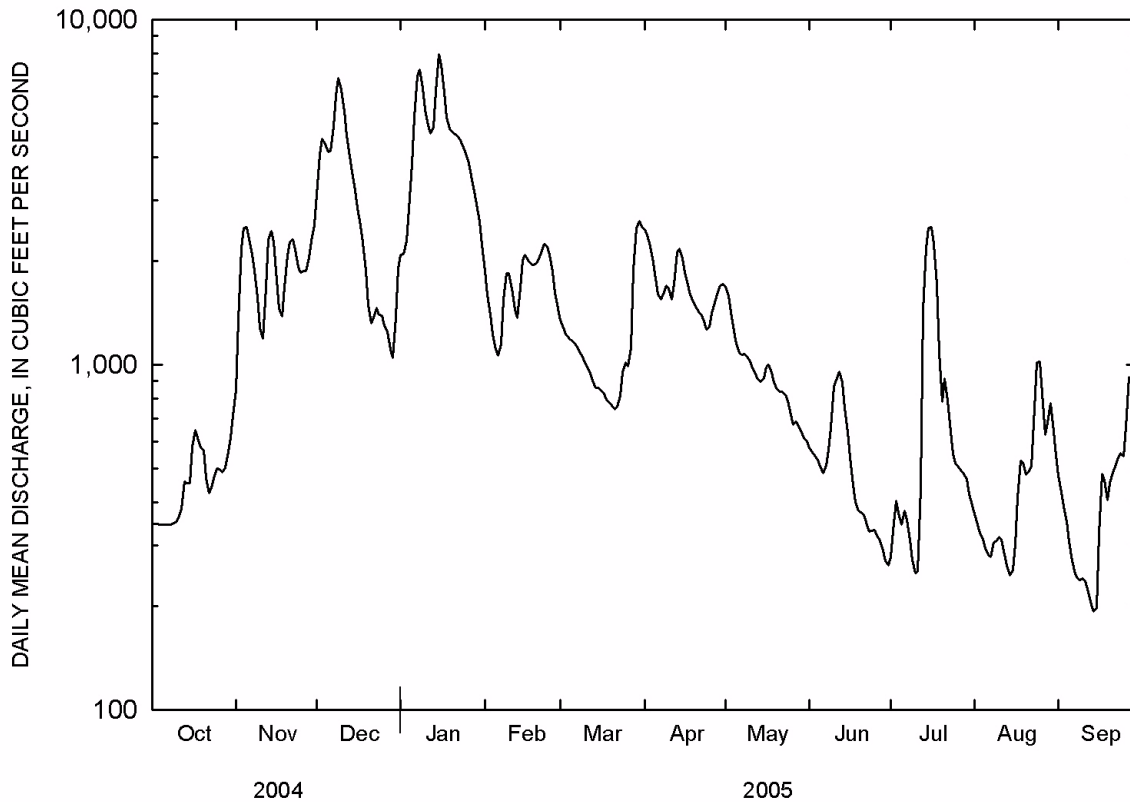
07064000 BLACK RIVER NEAR CORNING--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948-95, 1999-05, BY WATER YEAR (WY)

MEAN	744	1314	2131	2601	2607	2969	3152	2711	1550	1049	715	701
MAX	2868	5220	8417	8969	7490	7308	9125	7217	4433	3858	3266	2116
(WY)	1950	1973	1983	1950	1949	1975	1973	1961	2002	1957	1957	1957
MIN	269	340	356	319	459	753	783	463	419	358	278	252
(WY)	1957	1954	1956	1956	1963	1981	1981	2001	2001	1980	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948-95, 1999-05	
ANNUAL TOTAL	609094		542081			
ANNUAL MEAN	1664		1485		11858	
HIGHEST ANNUAL MEAN					4014 1973	
LOWEST ANNUAL MEAN					662 1954	
HIGHEST DAILY MEAN	6780	Dec 9	7950	Jan 15	32000	Mar 12 1964
LOWEST DAILY MEAN	343	Sep 30	193	Sep 14	191	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	345	Sep 29	218	Sep 9	202	Sep 18 2000
MAXIMUM PEAK FLOW			8100	Jan 15	32500	Mar 13 1964
MAXIMUM PEAK STAGE			11.99	Jan 15	15.23	Mar 13 1964
INSTANTANEOUS LOW FLOW			189	Sep 15	189	Sep 15 2005
ANNUAL RUNOFF (AC-FT)	1208000		1075000		1346000	
10 PERCENT EXCEEDS	3800		3340		4120	
50 PERCENT EXCEEDS	1320		1010		1060	
90 PERCENT EXCEEDS	438		328		402	

¹Prior to regulation, water years 1939-47, 1,741 ft³/s
²Maximum discharge for period of record, 48,600 ft³/s, June 13, 1945
³Maximum gage height for period of record, 16.92 ft, June 13, 1945
^eEstimated



WHITE RIVER BASIN

07069000 BLACK RIVER AT POCAHONTAS

LOCATION.--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, near right bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 2.2 mi downstream from Fourche River, 6.4 mi downstream from Current River, 18.1 mi upstream from Spring River, and at mile 90.1.

DRAINAGE AREA.--4,845 mi².

PERIOD OF RECORD.--January 1936 to September 1970, October 2000 to current year. Annual maximum 1971-78, 1981-94, Stage only 1995-2000.

REVISIONS.--WSP 927: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 241.81 ft above NGVD of 1929. Prior to July 15, 1937, nonrecording gage at site 0.3 mi upstream at same datum. July 15, 1937, to July 23, 1940, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. Some regulation by Clearwater Lake (Missouri), 167 mi upstream, since June 3, 1948 (capacity, 413,700 acre-ft). Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of 27.9 ft, from floodmarks from information by the U.S. Army Corps of Engineers. Flood of Apr. 17, 1927, reached a stage of 25.9 ft (discharge, about 80,000 ft³/s).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1640	2630	9310	4720	7150	5700	6650	4350	2070	1540	1630	2140
2	1640	5000	9870	4850	6890	5550	6260	4250	2030	1660	1550	2010
3	1640	5580	10200	5870	6670	5390	5910	4150	2000	1700	1520	1880
4	1630	5690	10100	8880	6390	5200	5650	4040	1980	1720	1490	1770
5	1620	5680	9370	11100	6060	5010	5470	3910	1940	2120	1450	1690
6	1620	5110	9000	12600	5710	4820	5390	3840	1900	2240	1410	1610
7	1610	4680	10000	13400	5680	4670	5650	3670	1860	2030	1490	1550
8	1610	4380	11000	14100	5980	4560	6000	3490	1820	1820	1570	1500
9	1630	4150	10900	14600	5980	4460	5750	3370	1940	1670	1620	1460
10	1670	3970	11000	14700	5830	4360	5410	3280	2230	1570	1610	1450
11	1800	4000	10700	14600	5740	4240	5490	3180	2410	1560	1550	1460
12	1980	4770	10200	14100	5640	4120	7090	3070	2540	1740	1490	1450
13	2110	5310	9740	14000	6040	3990	7280	2940	2630	2820	1440	1440
14	2090	5590	9260	14700	6960	3860	7090	2900	2480	3870	1430	1430
15	2150	5510	8780	15400	7460	3750	7000	2940	2270	3810	1660	1510
16	2210	5140	8280	15900	7880	3660	6550	3060	2060	3540	1750	1640
17	2140	4800	7790	16600	7850	3600	6070	3090	1930	3320	1930	1760
18	2140	4580	7320	16500	7430	3520	5690	3050	1820	3210	2120	1870
19	2290	4580	6890	15800	6950	3440	5390	2970	1720	3140	2200	1950
20	2150	4560	6510	14900	6550	3370	5130	2870	1670	3070	2130	1960
21	2000	4440	6150	13900	6360	3300	4910	2800	1630	3000	2010	1900
22	1910	4320	6360	13000	6540	3650	4770	2710	1590	2820	1970	1890
23	1860	4410	6230	12000	6500	4550	4740	2660	1560	2590	2100	1880
24	1850	5210	e5770	11100	6350	4600	4700	2610	1510	2360	2290	1850
25	1880	5470	e5170	10100	6160	4500	4570	2540	1460	2130	2420	1920
26	1970	5540	e4880	9380	5990	4460	4410	2450	1470	1920	2510	2100
27	1980	6020	4690	8770	5860	5290	4320	2340	1480	1770	2560	2220
28	1980	6530	4480	8290	5790	7870	4310	2260	1460	1690	2490	2430
29	2050	6490	4370	7960	---	8360	4390	2220	1460	1680	2330	2600
30	2090	7750	4710	7690	---	7800	4410	2180	1440	1670	2220	2580
31	2260	---	4870	7420	---	7150	---	2130	---	1670	2220	---
TOTAL	59200	151890	243900	366930	180390	148800	166450	95320	56360	71450	58160	54900
MEAN	1910	5063	7868	11840	6442	4800	5548	3075	1879	2305	1876	1830
MAX	2290	7750	11000	16600	7880	8360	7280	4350	2630	3870	2560	2600
MIN	1610	2630	4370	4720	5640	3300	4310	2130	1440	1540	1410	1430
AC-FT	117400	301300	483800	727800	357800	295100	330200	189100	111800	141700	115400	108900

WHITE RIVER BASIN

07069000 BLACK RIVER AT POCAHONTAS--CONTINUED

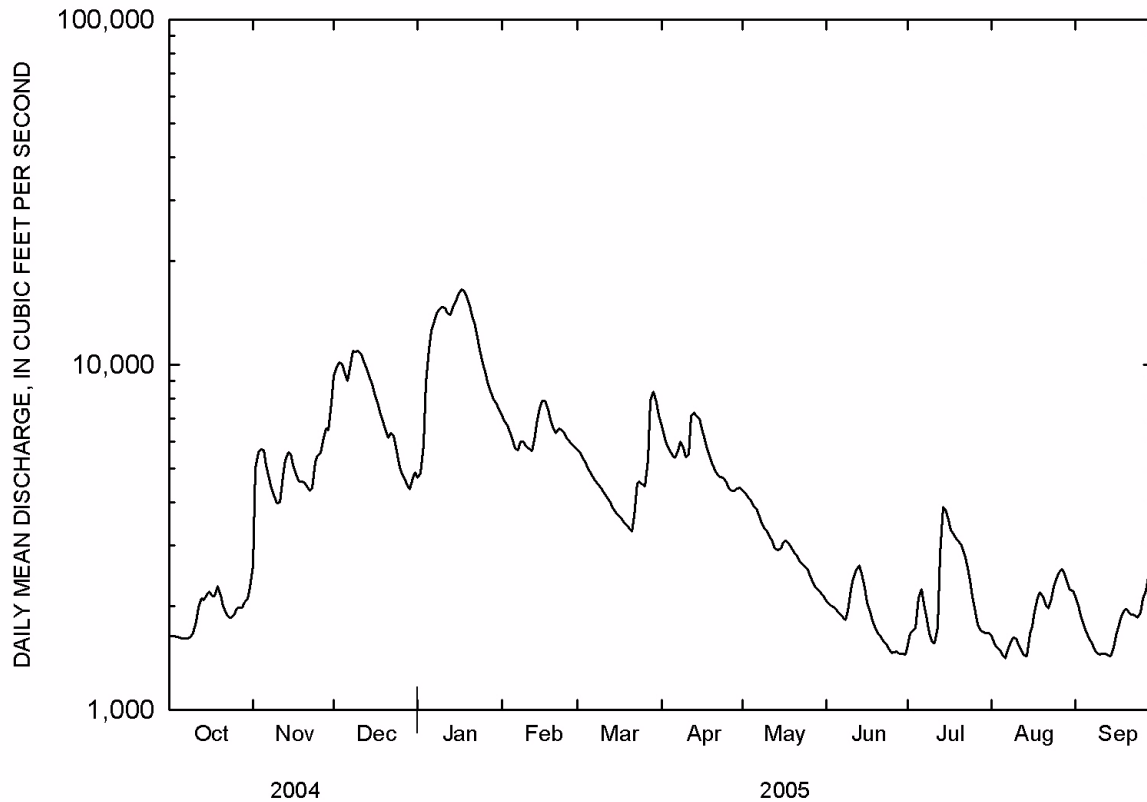
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936-70, 2001-05, BY WATER YEAR (WY)

MEAN	2384	3325	4416	6609	7467	8503	9639	9033	5406	3368	2532	2311
MAX	8203	10850	12600	25910	24220	27680	33680	22900	27300	12520	6287	4597
(WY)	1950	1952	1952	1950	1949	1945	1945	1961	1945	1951	1951	2003
MIN	1149	1390	1408	1408	1850	2161	3140	2032	1717	1524	1282	1213
(WY)	1957	1957	1956	1956	1963	1941	1956	2001	2001	2001	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936-70, 2001-05	
ANNUAL TOTAL	1927970		1653750			
ANNUAL MEAN	5268		4531		5469	
HIGHEST ANNUAL MEAN					10820	
LOWEST ANNUAL MEAN					2383	
HIGHEST DAILY MEAN	18500	Apr 29	16600	Jan 17	59600	Jun 17 1945
LOWEST DAILY MEAN	1610	Oct 7	1410	Aug 6	1080	Oct 16 1956
ANNUAL SEVEN-DAY MINIMUM	1620	Oct 3	1460	Sep 8	1090	Oct 15 1956
MAXIMUM PEAK FLOW			16700	Jan 17-18	66300	Dec 7 1982
MAXIMUM PEAK STAGE			18.38	Jan 17	25.22	Dec 7 1982
INSTANTANEOUS LOW FLOW			1400	Aug 6	1080	Oct 16 1956
ANNUAL RUNOFF (AC-FT)	3824000		3280000		3962000	
10 PERCENT EXCEEDS	10200		8930		11900	
50 PERCENT EXCEEDS	4600		3660		3410	
90 PERCENT EXCEEDS	1920		1620		1680	

¹Also October 17-19, 1956

^eEstimated



WHITE RIVER BASIN

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

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	224	e366	e241	397	389	420	374	299	265	231	216
2	213	257	e330	e259	394	387	416	372	297	263	230	215
3	212	258	e318	e280	e389	384	411	369	295	262	230	215
4	211	256	e326	e338	e385	382	408	366	293	260	230	214
5	210	252	e339	e403	e382	379	404	364	292	259	229	213
6	209	248	e357	454	e379	377	402	361	290	258	230	212
7	208	244	e363	464	e379	375	408	359	289	256	236	212
8	209	239	e335	461	e384	371	415	353	288	256	233	212
9	214	235	e318	457	e387	369	415	350	286	254	230	211
10	212	232	e312	450	e388	367	413	347	284	253	229	210
11	215	250	e307	441	e388	365	413	345	290	253	228	209
12	227	267	e299	432	e387	364	423	342	288	250	227	207
13	224	263	e291	519	e389	361	426	340	285	249	225	207
14	222	257	e291	506	e418	359	426	338	283	247	225	209
15	224	252	e286	502	e435	361	424	338	281	246	225	231
16	221	248	e280	498	e414	361	420	335	280	244	224	255
17	219	245	e277	487	402	359	417	332	277	244	224	247
18	217	242	e274	478	400	356	415	330	276	244	222	240
19	214	241	e272	469	397	353	412	326	274	243	221	235
20	212	239	e270	464	396	351	408	322	272	242	220	231
21	210	236	e267	455	395	349	406	320	271	241	220	228
22	210	234	e267	450	393	359	403	318	269	240	220	226
23	216	233	e265	442	392	377	400	316	270	239	220	224
24	225	252	e265	437	391	383	396	313	271	238	220	222
25	224	287	e264	433	389	384	394	e312	269	237	218	223
26	221	289	e260	427	387	382	390	e311	268	236	217	230
27	218	e295	e257	421	386	415	385	310	268	236	217	228
28	217	e358	e250	417	390	426	384	308	267	235	217	226
29	216	e353	e247	414	---	426	382	306	265	233	217	226
30	217	e407	e242	409	---	425	379	303	265	232	218	226
31	217	---	e240	402	---	423	---	301	---	231	217	---
TOTAL	6699	7893	9035	13310	11013	11719	12215	10381	8402	7646	6950	6660
MEAN	216	263	291	429	393	378	407	335	280	247	224	222
MAX	227	407	366	519	435	426	426	374	299	265	236	255
MIN	208	224	240	241	379	349	379	301	265	231	217	207
AC-FT	13290	15660	17920	26400	21840	23240	24230	20590	16670	15170	13790	13210

WHITE RIVER BASIN

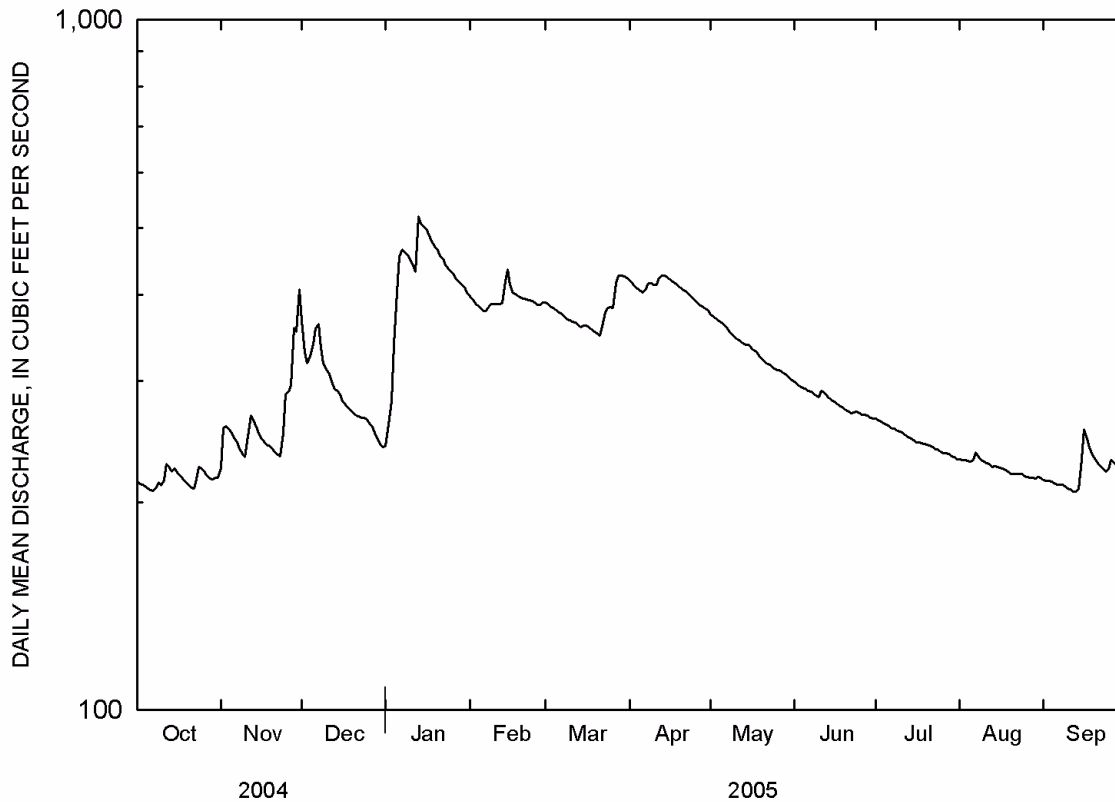
07069190 MAMMOTH SPRING AT MAMMOTH SPRING--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	265	295	341	361	383	402	426	420	381	330	294	270
MAX	399	473	523	530	540	525	566	568	513	436	384	329
(WY)	1994	1985	1985	1985	1989	1989	2002	1991	2002	2002	2002	1991
MIN	185	178	186	204	254	205	220	228	232	217	208	199
(WY)	2002	2002	1982	2001	2000	1981	1981	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	111198		111923			
ANNUAL MEAN	304		307		350	
HIGHEST ANNUAL MEAN					453 1985	
LOWEST ANNUAL MEAN					233 2001	
HIGHEST DAILY MEAN	517	Apr 25	519	Jan 13	689	Apr 13 1991
LOWEST DAILY MEAN	208	Oct 7	207	Sep 12	173	Nov 20 2001
ANNUAL SEVEN-DAY MINIMUM	210	Oct 2	209	Sep 8	174	Nov 15 2001
MAXIMUM PEAK FLOW			564	Jan 13	706	Apr 13 1991
MAXIMUM PEAK STAGE			4.91	Jan 13	5.13	Apr 13 1991
INSTANTANEOUS LOW FLOW			207	at times	173	Oct 9 2001
ANNUAL RUNOFF (AC-FT)	220600		222000		253800	
10 PERCENT EXCEEDS	392		416		487	
50 PERCENT EXCEEDS	299		283		342	
90 PERCENT EXCEEDS	221		217		230	

Estimated



WHITE RIVER BASIN

07069305 SPRING RIVER AT TOWN BRANCH BRIDGE AT HARDY

LOCATION.--Lat 36°18'49", long 91°28'58", in NE1/4SW1/4 sec.11, T.19 N., R.5 W., Sharp County, Hydrologic Unit 11010100, on left upstream abutment of Town Branch bridge in Hardy, 800 ft south of Highway 634/412 (downtown Hardy).

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records fair except estimated daily discharges and discharges below 200 ft³/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	588	2830	440	1020	1080	1560	1010	431	332	192	273
2	228	1270	1940	474	1040	1040	1440	971	423	337	192	266
3	218	1040	1540	1390	1060	1010	1350	900	414	311	189	263
4	220	845	1320	3670	1060	976	1280	901	406	294	181	266
5	253	748	1290	4170	1030	945	1220	880	393	296	188	262
6	186	664	1850	3790	1020	911	1310	859	381	278	260	266
7	196	593	2540	2580	1220	916	1930	837	378	268	378	261
8	244	550	2170	1940	1370	903	1860	807	388	257	318	249
9	254	514	1640	1640	1390	922	1580	801	383	249	304	255
10	271	480	1420	1450	1330	927	1430	747	375	247	295	252
11	425	819	1250	1320	1250	903	1880	749	384	255	287	251
12	440	935	1130	1230	1210	881	2560	725	406	258	283	249
13	550	822	1030	7660	2100	868	2190	709	385	257	279	250
14	416	712	938	6370	2350	819	1820	694	367	247	279	283
15	403	639	880	2810	1830	810	1620	680	351	246	297	434
16	399	592	832	2270	1610	796	1490	670	343	249	297	433
17	366	544	760	1970	1440	774	1400	668	342	247	308	411
18	365	544	740	1790	1330	759	1320	640	333	237	292	408
19	353	532	705	1660	1270	741	1270	630	321	244	288	374
20	336	509	662	1570	1210	718	1220	628	314	234	280	357
21	303	490	631	1490	1360	711	1170	620	306	237	281	341
22	295	474	656	1410	1390	2510	1150	609	297	233	278	330
23	496	503	621	1340	1310	2590	1100	599	292	227	283	318
24	586	787	576	1280	1260	1910	1070	555	286	220	280	312
25	446	1420	544	1220	1240	1570	1050	e540	281	213	291	424
26	370	1070	510	1190	1180	1430	1090	e500	286	208	291	379
27	406	1070	484	1140	1140	5650	1050	483	286	208	316	368
28	395	1190	465	1110	1100	3700	1150	474	289	208	290	380
29	365	1430	455	1110	---	2390	1170	464	314	203	283	391
30	398	3500	455	1090	---	1960	1080	453	269	199	279	358
31	415	---	440	1050	---	1750	---	441	---	196	272	---
TOTAL	10812	25874	33304	63624	37120	43870	42810	21244	10424	7695	8531	9664
MEAN	349	862	1074	2052	1326	1415	1427	685	347	248	275	322
MAX	586	3500	2830	7660	2350	5650	2560	1010	431	337	378	434
MIN	186	474	440	440	1020	711	1050	441	269	196	181	249
AC-FT	21450	51320	66060	126200	73630	87020	84910	42140	20680	15260	16920	19170

WHITE RIVER BASIN

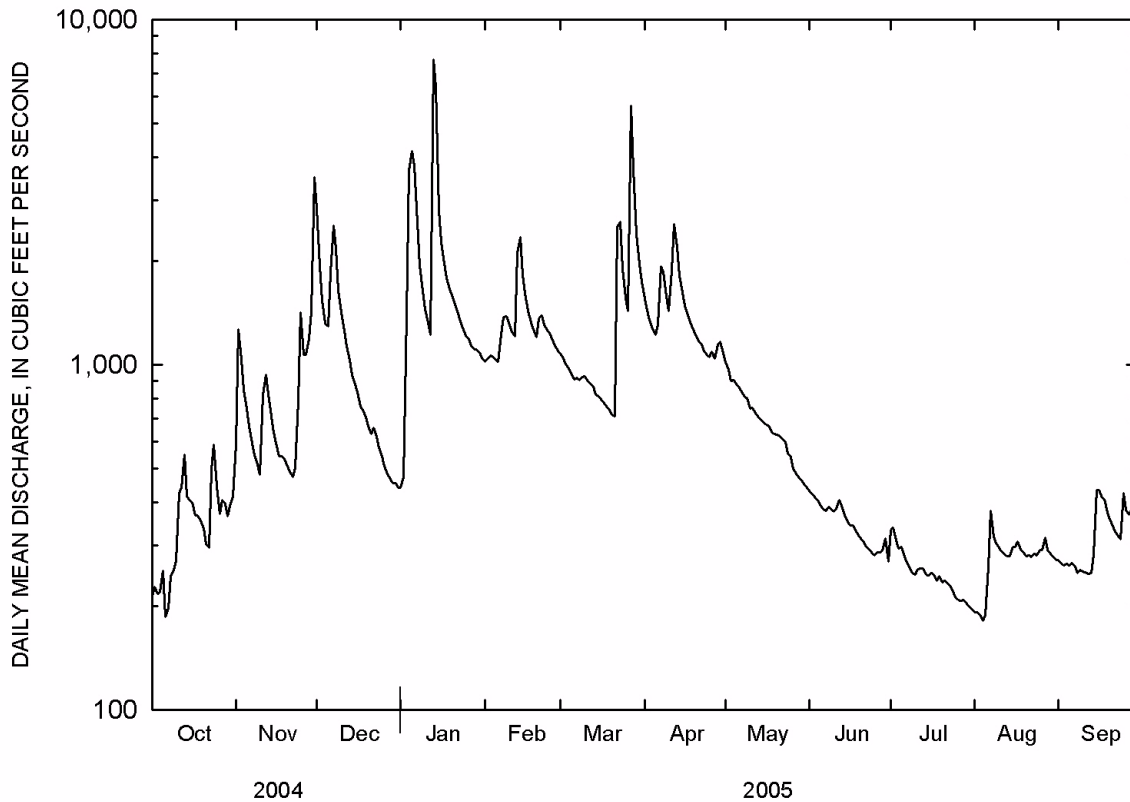
07069305 SPRING RIVER AT TOWN BRANCH BRIDGE AT HARDY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	384	808	1041	1145	1145	1599	1507	1355	695	583	410	376
MAX	530	1654	1426	2052	1482	3396	2380	2409	1177	1083	625	481
(WY)	2004	2004	2004	2005	2002	2002	2002	2002	2002	2002	2002	2003
MIN	256	299	565	672	886	765	698	685	347	248	275	249
(WY)	2002	2002	2003	2003	2003	2003	2003	2005	2005	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	286204		314972			
ANNUAL MEAN	782		863		920	
HIGHEST ANNUAL MEAN					1297 2002	
LOWEST ANNUAL MEAN					627 2003	
HIGHEST DAILY MEAN	8410	Apr 25	7660	Jan 13	20700	Nov 18 2003
LOWEST DAILY MEAN	186	Oct 6	181	Aug 4	181	Aug 4 2005
ANNUAL SEVEN-DAY MINIMUM	216	Oct 1	191	Jul 30	191	Jul 30 2005
MAXIMUM PEAK FLOW			13300	Jan 13	44100	Nov 18 2003
MAXIMUM PEAK STAGE			9.71	Jan 13	14.66	Nov 18 2003
INSTANTANEOUS LOW FLOW			161	Oct 6	161	Oct 6 2004
ANNUAL RUNOFF (AC-FT)	567700		624700		666400	
10 PERCENT EXCEEDS	1260		1640		1660	
50 PERCENT EXCEEDS	654		592		597	
90 PERCENT EXCEEDS	279		252		283	

Estimated



WHITE RIVER BASIN

07069500 SPRING RIVER AT IMBODEN

LOCATION.--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.--1,183 mi².

PERIOD OF RECORD.--April 1936 to December 1994, March 1995, October 2001 to 2003, 2005. Annual maximum 1995-2001, 2004.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft above NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	849	4750	1040	1390	1560	2470	1440	695	687	393	374
2	339	1950	3200	1310	1390	1520	2220	1360	684	582	390	369
3	325	1600	2440	3430	1430	1470	2060	1290	676	558	388	363
4	329	1250	2050	8320	1430	1430	1940	1220	666	521	379	360
5	326	1080	1860	9700	1400	1390	1840	1210	652	523	378	355
6	347	961	2640	9090	1370	1340	1950	1180	636	506	448	352
7	305	875	4250	5810	1670	1340	2900	1150	625	491	524	354
8	339	799	3700	4040	1950	1330	3400	1120	633	480	442	351
9	382	764	2770	3290	1980	1310	2700	1110	630	469	414	347
10	376	720	2310	2860	1900	1340	2340	1090	619	464	403	346
11	543	990	2010	2590	1790	1310	2960	1050	618	476	395	342
12	605	1460	1800	2400	1720	1280	4620	1020	629	488	388	340
13	602	1260	1630	5880	2900	1250	3730	995	632	481	382	339
14	617	1080	1470	12500	3710	1210	2980	981	605	471	387	363
15	557	975	1370	4660	2910	1150	2580	948	584	465	424	451
16	531	912	1310	3440	2470	1160	2330	929	570	476	408	544
17	504	861	1250	2930	2190	1130	2150	915	570	478	409	485
18	564	816	1180	2580	2020	1110	2020	900	564	467	411	493
19	556	853	1150	2390	1890	1100	1900	885	550	462	394	470
20	503	824	1100	2250	1810	1070	1800	872	539	456	392	449
21	476	795	1070	2130	1990	1050	1730	852	531	450	387	439
22	457	774	1190	2000	2120	3210	1670	840	523	454	400	423
23	482	968	1130	1850	1970	4750	1580	829	514	440	394	412
24	725	1540	1050	1770	1900	3230	1490	809	505	433	395	403
25	662	1990	1000	1710	1830	2580	1450	789	497	424	384	527
26	575	1700	972	1650	1760	2280	1490	770	497	418	400	544
27	533	1540	945	1580	1690	6270	1440	752	527	411	414	478
28	601	1710	928	1520	1660	7510	1560	741	495	415	427	464
29	566	1830	954	1530	---	4180	1710	732	513	407	396	486
30	566	4760	1040	1490	---	3290	1580	722	503	401	387	461
31	572	---	1040	1440	---	2770	---	709	---	397	379	---
TOTAL	15189	38486	55559	109180	54240	66920	66590	30210	17482	14651	12512	12484
MEAN	490	1283	1792	3522	1937	2159	2220	975	583	473	404	416
MAX	725	4760	4750	12500	3710	7510	4620	1440	695	687	524	544
MIN	305	720	928	1040	1370	1050	1440	709	495	397	378	339
AC-FT	30130	76340	110200	216600	107600	132700	132100	59920	34680	29060	24820	24760
CFSM	0.41	1.08	1.51	2.98	1.64	1.82	1.88	0.82	0.49	0.40	0.34	0.35
IN.	0.48	1.21	1.75	3.43	1.71	2.10	2.09	0.95	0.55	0.46	0.39	0.39

WHITE RIVER BASIN

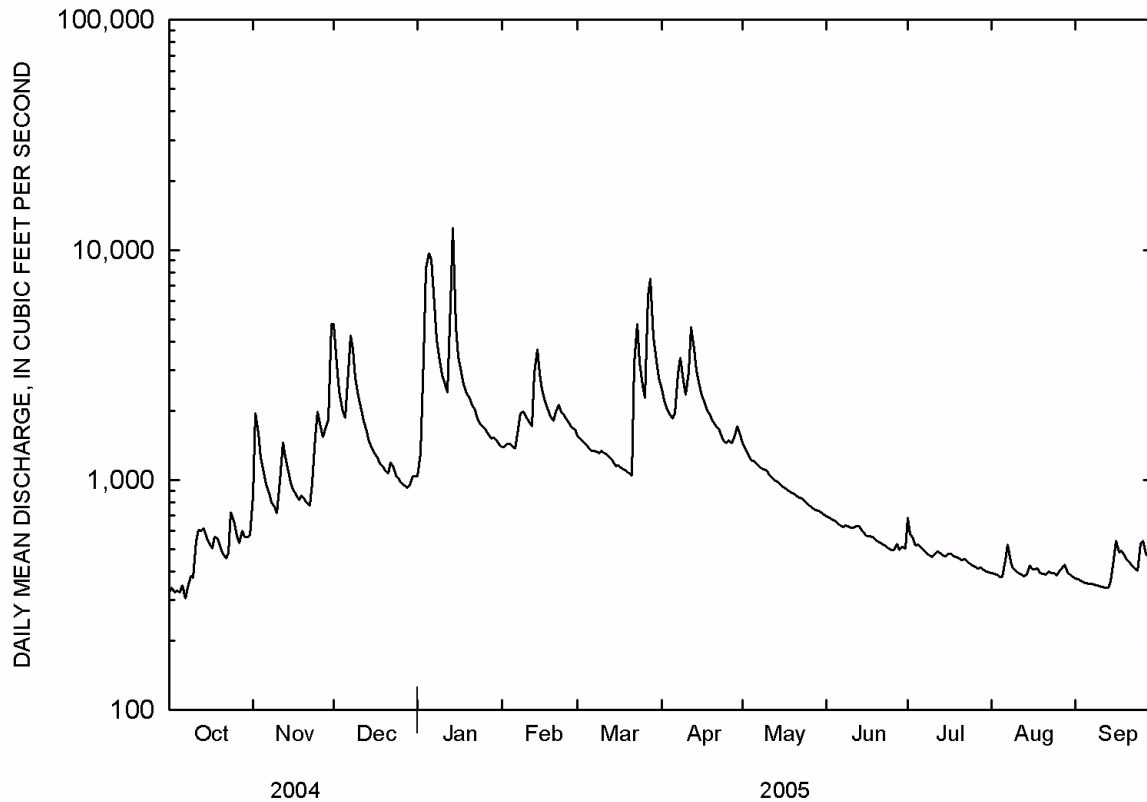
07069500 SPRING RIVER AT IMBODEN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936-95, 2002-03, 2005, BY WATER YEAR (WY)

MEAN	600	1173	1530	1696	1859	2307	2463	2061	1169	772	572	586
MAX	2197	4396	10660	6945	6241	6607	8443	6841	6451	2716	1504	1718
(WY)	1985	1974	1983	1949	1989	1945	1973	1961	1945	1951	1950	1993
MIN	281	296	297	286	346	488	505	483	356	342	287	278
(WY)	1957	1955	1956	1956	1963	1941	1981	1941	1941	1941	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936-95, 2002-03	
						2005
ANNUAL TOTAL	452165		493503			
ANNUAL MEAN	1235		1352		1399	
HIGHEST ANNUAL MEAN					2793 1973	
LOWEST ANNUAL MEAN					466 1981	
HIGHEST DAILY MEAN	19100	Apr 25	12500	Jan 14	112000	Dec 3 1982
LOWEST DAILY MEAN	305	Oct 7	305	Oct 7	215	Aug 1 1936
ANNUAL SEVEN-DAY MINIMUM	328	Oct 1	328	Oct 1	253	Sep 16 1941
MAXIMUM PEAK FLOW			14900	Jan 14	244000	Dec 3 1982
MAXIMUM PEAK STAGE			16.32	Jan 14	¹ 38.12	Dec 3 1982
INSTANTANEOUS LOW FLOW			299	Oct 6-7		
ANNUAL RUNOFF (AC-FT)	896900		978900		1013000	
ANNUAL RUNOFF (CFSM)	1.04		1.14		1.18	
ANNUAL RUNOFF (INCHES)	14.22		15.52		16.07	
10 PERCENT EXCEEDS	1980		2730		2600	
50 PERCENT EXCEEDS	946		945		801	
90 PERCENT EXCEEDS	404		393		376	

¹From floodmarks



WHITE RIVER BASIN

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS

LOCATION.--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 Hinch Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs and at mile 21.2.

DRAINAGE AREA.--1,134 mi².

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to October 1994, March 1995, October 2000 to current year. Annual maximum water years 1995-2000. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930-33, 1936-38. WSP 977: 1933, 1937-39, 1942 WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft above NGVD of 1929. Prior to Nov. 21, 1938, non-recording gage at present site at datum 0.04 ft higher. Nov. 21 to Dec. 11, 1938, non-recording gage at present site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	469	554	1820	767	1190	1240	1420	1020	709	610	476	440
2	470	796	1580	952	1180	1210	1340	985	705	600	474	435
3	464	700	1390	1590	1170	1180	1290	961	700	583	472	430
4	463	664	1260	2560	1140	1160	1240	943	694	582	468	426
5	458	621	1210	2630	1120	1130	1210	928	685	596	463	422
6	454	598	1350	3160	1110	1110	1220	911	677	566	508	420
7	453	579	1820	2750	1210	1100	1440	902	673	558	486	416
8	465	556	1600	2320	1250	1090	1460	892	702	551	472	414
9	480	537	1490	2020	1270	1070	1380	891	734	546	473	415
10	471	525	1400	1840	1250	1050	1310	880	703	542	470	412
11	513	747	1300	1730	1220	1040	1480	867	701	559	468	410
12	538	858	1210	1640	1200	1020	1680	850	753	588	463	407
13	498	797	1130	2330	1530	1010	1590	838	705	640	459	405
14	512	715	1060	5080	1730	993	1530	843	680	583	460	436
15	515	666	1000	3260	1690	975	1430	845	664	564	469	488
16	494	632	966	2550	1620	964	1360	837	653	555	487	500
17	478	611	935	2210	1530	947	1310	829	650	552	471	483
18	500	605	908	2000	1450	940	1260	825	641	548	478	463
19	490	625	879	1890	1400	935	1230	816	631	544	463	469
20	473	610	853	1800	1360	923	1200	810	622	535	458	462
21	464	598	839	1730	1440	914	1170	795	613	529	454	455
22	459	586	860	1640	1450	1230	1150	786	606	521	485	445
23	490	605	827	1540	1390	1330	1120	778	600	514	482	438
24	502	697	788	1480	1370	1250	1080	770	593	506	483	433
25	511	818	771	1450	1330	1220	1060	760	587	502	474	494
26	497	883	760	1410	1300	1180	1100	750	589	498	465	489
27	486	874	746	1350	1280	1580	1090	741	581	497	476	486
28	516	901	735	1300	1270	1960	1100	736	578	498	458	477
29	501	944	745	1290	---	1740	1080	729	572	490	452	478
30	507	1730	769	1260	---	1620	1050	722	578	483	452	461
31	504	---	764	1220	---	1520	---	715	---	479	446	---
TOTAL	15095	21632	33765	60749	37450	36631	38380	25955	19579	16919	14565	13409
MEAN	487	721	1089	1960	1338	1182	1279	837	653	546	470	447
MAX	538	1730	1820	5080	1730	1960	1680	1020	753	640	508	500
MIN	453	525	735	767	1110	914	1050	715	572	479	446	405
AC-FT	29940	42910	66970	120500	74280	72660	76130	51480	38830	33560	28890	26600
CFSM	0.43	0.64	0.96	1.73	1.18	1.04	1.13	0.74	0.58	0.48	0.41	0.39
IN.	0.50	0.71	1.11	1.99	1.23	1.20	1.26	0.85	0.64	0.56	0.48	0.44

WHITE RIVER BASIN

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930-33, 1936-95, 2001-05, BY WATER YEAR (WY)

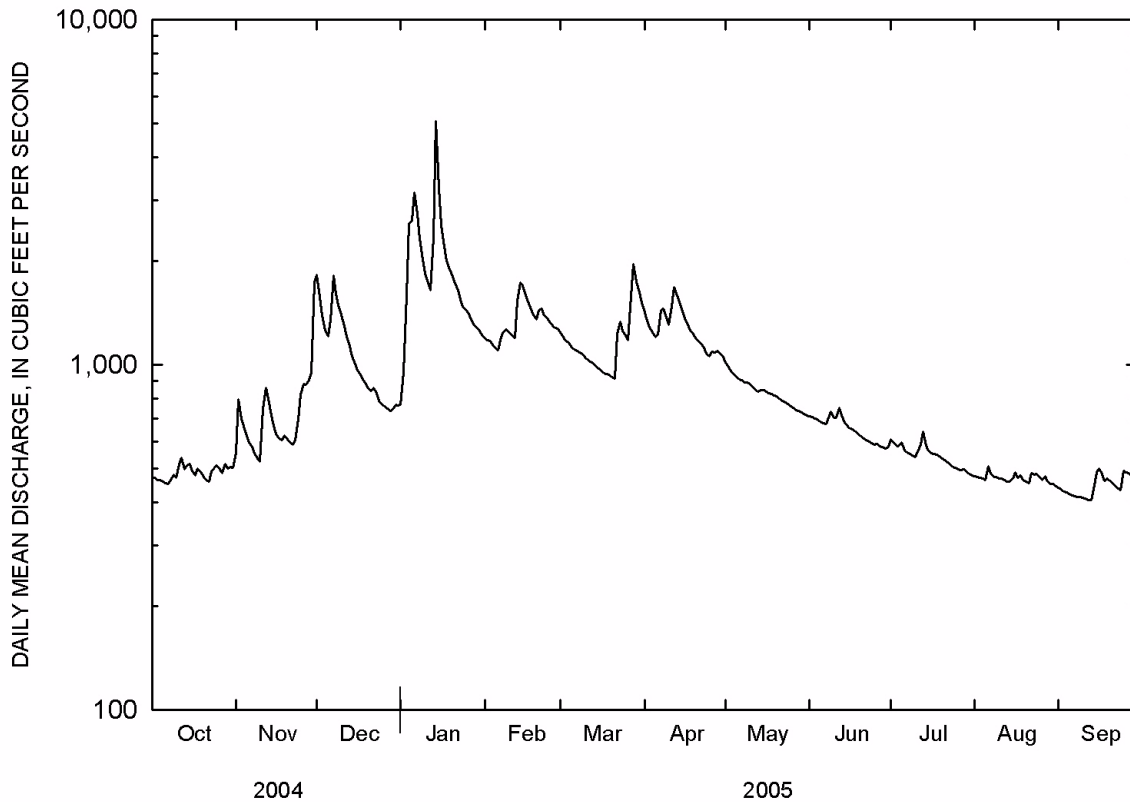
MEAN	588	864	1074	1277	1347	1620	1920	1712	1168	827	667	612
MAX	1515	3028	6625	4757	3833	4603	6204	4528	4550	2105	1147	1666
(WY)	1985	1959	1983	1949	1950	1945	1973	1973	1945	1951	1946	1975
MIN	272	284	276	266	354	419	440	446	355	311	269	291
(WY)	1957	1957	1956	1956	1963	1981	1981	2001	1936	1936	1936	1956

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930-33 1936-95, 2001-05	
ANNUAL TOTAL	381577		334129			
ANNUAL MEAN	1043		915		1133	
HIGHEST ANNUAL MEAN					2326 1973	
LOWEST ANNUAL MEAN					435 1981	
HIGHEST DAILY MEAN	9870	Apr 26	5080	Jan 14	53500	Dec 3 1982
LOWEST DAILY MEAN	453	Oct 7	405	Sep 13	226	Sep 9 1936
ANNUAL SEVEN-DAY MINIMUM	461	Oct 2	411	Sep 7	241	Aug 25 1936
MAXIMUM PEAK FLOW			5700	Jan 14	² 162000	Dec 3 1982
MAXIMUM PEAK STAGE			9.81	Jan 14	³ 29.06	Dec 3 1982
INSTANTANEOUS LOW FLOW			403	Sep 12-14	⁴ 226	Sep 9 1936
ANNUAL RUNOFF (AC-FT)	756900		662700		820900	
ANNUAL RUNOFF (CFSM)	0.919		0.807		0.999	
ANNUAL RUNOFF (INCHES)	12.52		10.96		13.58	
10 PERCENT EXCEEDS	1580		1530		2040	
50 PERCENT EXCEEDS	901		753		799	
90 PERCENT EXCEEDS	507		463		403	

²From rating curve extended above 23,000 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow

³From floodmark

⁴Observed



WHITE RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 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 NGVD of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation by Clearwater Lake (Missouri), since June 3, 1948, 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2530	3890	15300	6550	10400	8860	11700	7130	3670	2970	2810	3260
2	2520	7420	15200	6910	10100	8630	10700	6890	3620	3120	2740	3140
3	2520	7800	14600	8630	9820	8390	9990	6680	3560	3110	2680	3010
4	2510	7330	14100	16000	9500	8140	9410	6480	3520	3070	2640	2900
5	2500	7180	13300	20800	9100	7860	8980	6310	3470	3310	2600	2810
6	2510	6640	13100	24300	8660	7580	8800	6170	3410	3580	2580	2730
7	2480	6050	15600	24300	8730	7370	9580	6000	3350	3410	2750	2670
8	2500	5620	16900	23300	9370	7220	11300	5790	3310	3160	2770	2610
9	2550	5310	16400	22500	9550	7070	10700	5620	3410	2990	2760	2560
10	2580	5080	15800	21900	9380	6980	9790	5500	3660	2880	2760	2530
11	2830	5190	15200	21500	9120	6820	9900	5350	3850	2890	2700	2530
12	3070	6580	14400	20900	8890	6660	13500	5190	3980	2980	2640	2540
13	3140	6910	13500	21500	9950	6470	13700	5030	4120	3530	2570	2520
14	3180	7000	12600	27500	12100	6280	12800	4920	4010	4640	2550	2540
15	3180	6930	11800	28600	12600	6100	12000	4870	3800	4850	2700	2680
16	3190	6570	11100	26100	12500	5970	11200	4930	3570	4680	2880	2880
17	3130	6150	10400	24900	12300	5870	10400	4950	3430	4450	2990	2960
18	3130	5850	9760	24200	11800	5780	9670	4910	3300	4330	3160	3020
19	3290	5810	9170	23500	11000	5660	9100	4830	3190	4280	3260	3110
20	3190	5790	8650	22500	10400	5540	8620	4720	3090	4200	3230	3130
21	3010	5650	8180	21300	10200	5440	8230	4610	3020	4130	3170	3090
22	2900	5500	8750	20000	10400	6970	7950	4510	2960	4010	3080	3030
23	2850	5710	8710	18600	10300	10500	7740	4430	2900	3790	3160	3010
24	2960	7240	8010	17100	10100	9850	7570	4350	2860	3590	3300	2980
25	3030	7830	7390	15600	9780	8880	7380	4270	2790	3390	3420	3240
26	3030	7870	6890	14300	9470	8340	7230	4170	2760	3180	3510	3370
27	3010	8040	6540	13100	9200	10200	7110	4060	2800	3020	3620	3390
28	3050	8730	6270	12300	9060	16200	7090	3960	2770	2930	3630	3510
29	3120	9130	6130	11700	---	15800	7410	3880	2770	2890	3490	3670
30	3100	12300	6410	11200	---	14400	7350	3820	2770	2850	3350	3710
31	3220	---	6650	10800	---	13000	---	3750	---	2830	3310	---
TOTAL	89810	203100	346810	582390	283780	258830	286900	158080	99720	109040	92810	89130
MEAN	2897	6770	11190	18790	10140	8349	9563	5099	3324	3517	2994	2971
MAX	3290	12300	16900	28600	12600	16200	13700	7130	4120	4850	3630	3710
MIN	2480	3890	6130	6550	8660	5440	7090	3750	2760	2830	2550	2520
AC-FT	178100	402800	687900	1155000	562900	513400	569100	313600	197800	216300	184100	176800

WHITE RIVER BASIN

07072500 BLACK RIVER AT BLACK ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

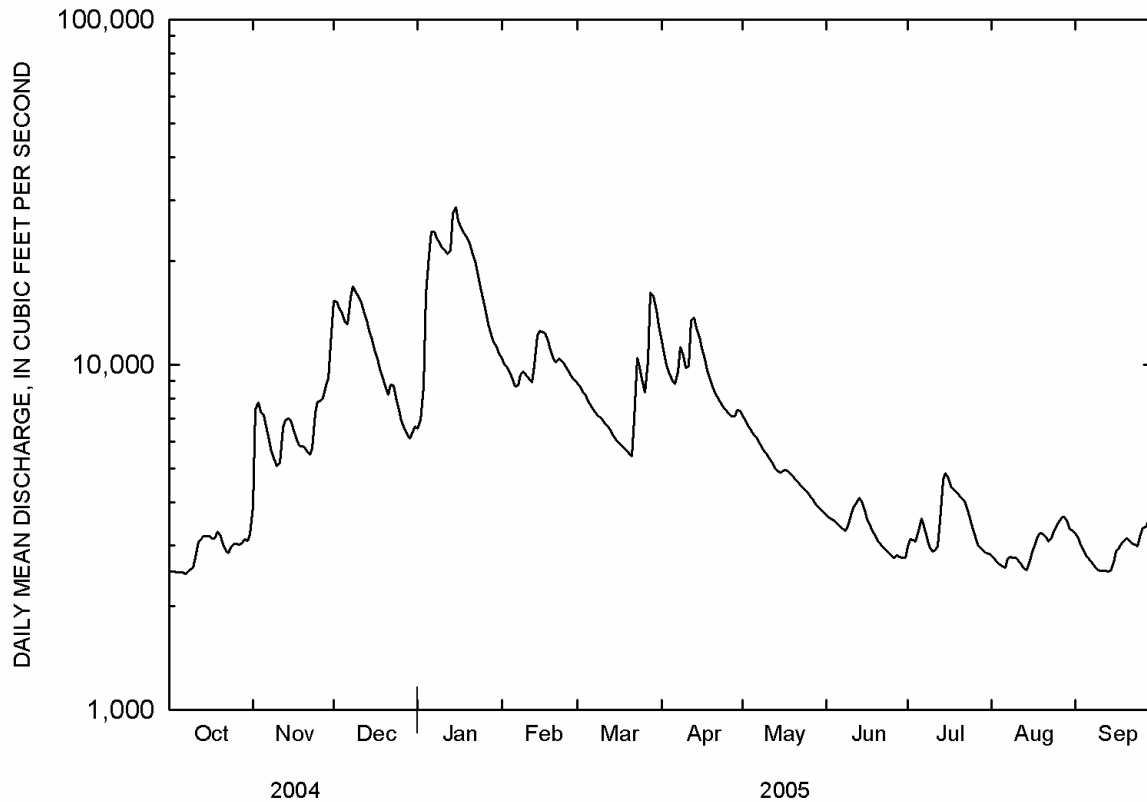
MEAN	3903	6515	9365	10620	11310	13530	15190	13400	7541	5142	4014	3803
MAX	11570	23020	44020	40410	36240	30410	42280	36370	18890	17630	9130	7630
(WY)	1985	1973	1983	1950	1989	1979	1973	1961	1957	1951	1998	1975
MIN	1797	1984	2042	1998	2650	3784	3721	2921	2515	2216	2028	1853
(WY)	1957	1957	1956	1956	1963	1981	1981	2001	2001	2001	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL TOTAL	2823110		2600400			
ANNUAL MEAN	7713		7124		18679	
HIGHEST ANNUAL MEAN					17330	1973
LOWEST ANNUAL MEAN					3552	1954
HIGHEST DAILY MEAN	36600	Apr 26	28600	Jan 15	123000	Dec 5 1982
LOWEST DAILY MEAN	2480	Oct 7	2480	Oct 7	1730	Sep 18 1956
ANNUAL SEVEN-DAY MINIMUM	2510	Oct 2	2510	Oct 2	1730	Sep 22 1956
MAXIMUM PEAK FLOW			30200	Jan 14	² 190000	Dec 4 1982
MAXIMUM PEAK STAGE			20.98	Jan 14	³ 31.51	Dec 4 1982
ANNUAL RUNOFF (AC-FT)	5600000		5158000		6288000	
10 PERCENT EXCEEDS	15200		13900		18700	
50 PERCENT EXCEEDS	6380		5620		5680	
90 PERCENT EXCEEDS	2950		2770		2700	

¹Prior to regulation, water years 1930-31 and 1940-47, 7,854 ft³/s

²From rating curve extended above 105,000 ft³/s

³From floodmarks



WHITE RIVER BASIN

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.--February 1999 to current year. Annual maximum water years 1979-98.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Water-discharge 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2960	3920	17000	7820	16500	10400	17100	8800	4190	3090	3070	3770
2	2960	7350	18700	8230	16000	10300	15200	8200	4120	3530	3020	3660
3	2950	9690	19100	8890	15600	9940	13500	7840	4040	3620	2960	3530
4	2940	9550	18600	12400	14800	9520	12000	7460	3970	3520	2880	3380
5	2930	8710	17700	17800	13300	9110	10800	7180	3920	3710	2850	3240
6	2910	8060	17000	23200	11900	8710	10300	6990	3880	3820	2830	3120
7	2910	7390	17800	28100	11400	8240	10500	6830	3810	3910	2840	3030
8	2910	6730	19700	30500	11600	7910	11900	6650	3730	3750	2990	2940
9	2940	6240	20700	30500	11600	7740	13000	6450	3680	3530	3010	2870
10	3000	5910	20400	29100	11600	7670	12700	6300	3810	3360	2970	2830
11	3120	5820	19600	27400	11300	7590	12300	6160	4080	3260	2960	2790
12	3360	6400	18800	25800	10900	7500	14800	5990	4210	3250	2910	2780
13	3590	7300	17900	25200	11200	7350	17200	5840	4300	3310	2840	2770
14	3660	7510	16800	25200	12700	7100	17500	5700	4350	3710	2780	2770
15	3690	7450	15400	26000	13500	6880	16400	5580	4230	4510	2780	2790
16	3690	7280	14300	26800	13600	6740	14600	5500	4060	4860	2890	2920
17	3680	6950	13200	27100	13600	6610	13200	5500	3880	4860	3050	3080
18	3640	6630	12200	27100	13300	6530	12100	5490	3750	4750	3180	3180
19	3700	6520	11200	27000	12900	6430	11200	5450	3630	4650	3340	3250
20	3780	6530	10500	26900	12400	6310	10400	5370	3520	4610	3440	3320
21	3660	6430	9990	26800	11900	6170	9920	5240	3420	4540	3460	3360
22	3480	6220	11000	26700	11700	6930	9620	5130	3340	4480	3410	3340
23	3360	6200	11800	26100	11600	11100	9610	5050	3270	4330	3350	3290
24	3290	7920	11000	25200	11600	12700	9490	4980	3220	4130	3400	3270
25	3350	9510	10100	23900	11400	12200	9290	4890	3180	3930	3520	3370
26	3450	9950	9330	22500	11100	11500	9090	4780	3110	3720	3650	3630
27	3470	9730	8760	21000	10900	11700	8740	4660	3060	3560	4290	3750
28	3470	9680	8230	19400	10600	15500	8310	4540	3060	3390	4850	3730
29	3550	10200	7910	18300	---	19000	8570	4440	3030	3240	4370	3780
30	3610	13700	7870	17600	---	19900	9250	4350	3020	3170	4100	3890
31	3670	---	7850	17000	---	18800	---	4260	---	3120	3910	---
TOTAL	103680	231480	440440	705540	350500	304080	358590	181600	110870	119220	101900	97430
MEAN	3345	7716	14210	22760	12520	9809	11950	5858	3696	3846	3287	3248
MAX	3780	13700	20700	30500	16500	19900	17500	8800	4350	4860	4850	3890
MIN	2910	3920	7850	7820	10600	6170	8310	4260	3020	3090	2780	2770
AC-FT	205600	459100	873600	1399000	695200	603100	711300	360200	219900	236500	202100	193300

WHITE RIVER BASIN

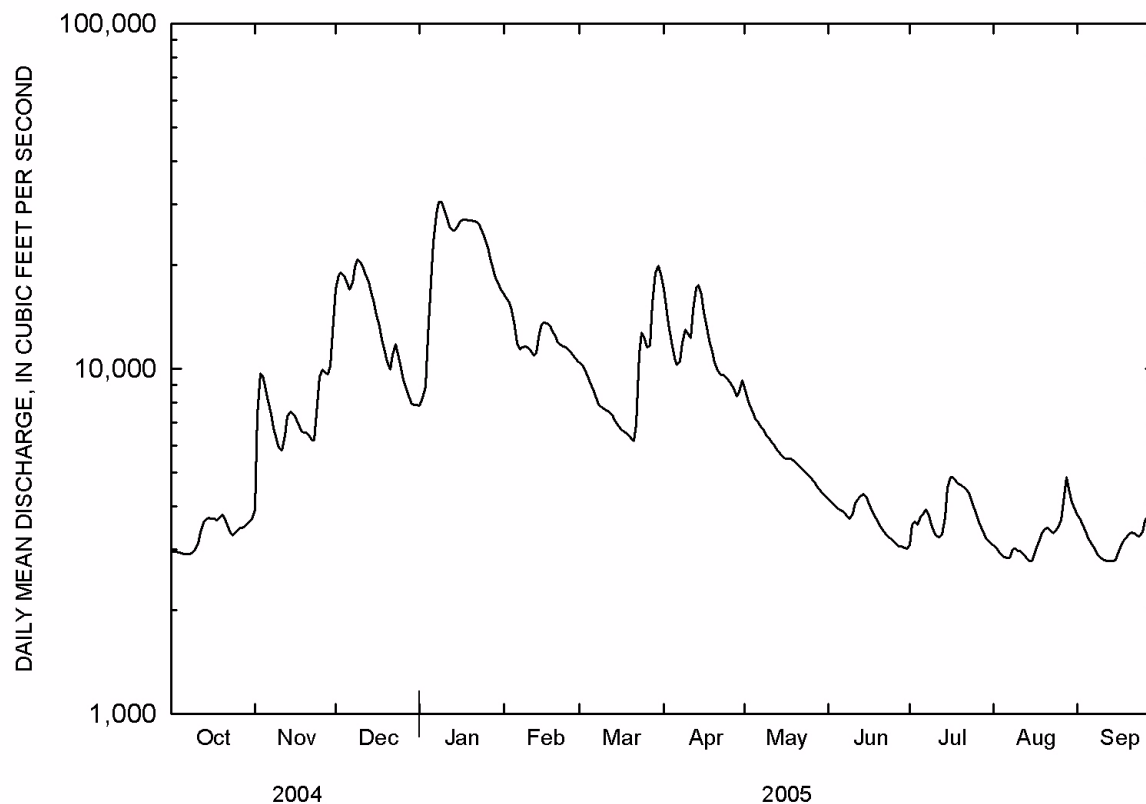
07074420 BLACK RIVER AT ELGIN FERRY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	3418	5022	10020	10990	12200	12690	13470	12290	6938	4975	3954	4129
MAX	4502	9672	20270	22760	17750	25690	27440	26660	14190	10060	6822	7796
(WY)	2004	2004	2002	2005	2002	2002	2002	2002	2002	2002	2002	2003
MIN	2404	2917	3013	3145	6620	9318	5280	3452	3050	2654	3032	2427
(WY)	2001	2001	2001	2001	2000	2003	2001	2001	2001	2001	2000	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	3389190		3105330			
ANNUAL MEAN	9260		8508		8241	
HIGHEST ANNUAL MEAN					14240 2002	
LOWEST ANNUAL MEAN					4567 2001	
HIGHEST DAILY MEAN	54600	Apr 27	30500	Jan 8	58300	Mar 28 2002
LOWEST DAILY MEAN	2910	Oct 6	2770	Sep 13	2010	Oct 28 2000
ANNUAL SEVEN-DAY MINIMUM	2930	Oct 3	2800	Sep 9	2040	Oct 25 2000
MAXIMUM PEAK FLOW			31000	Jan 9	59500	Mar 28 2002
MAXIMUM PEAK STAGE			22.47	Jan 9	26.33	Mar 28 2002
INSTANTANEOUS LOW FLOW			2770	¹ Aug 14	2000	Oct 28 2000
ANNUAL RUNOFF (AC-FT)	6722000		6159000		5970000	
10 PERCENT EXCEEDS	18600		17800		17700	
50 PERCENT EXCEEDS	7600		6310		5400	
90 PERCENT EXCEEDS	3440		3030		2830	

¹Also August 15 and September 12-15



WHITE RIVER BASIN

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 254.7.

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.--WDR Ark. 1973: Drainage area. WDR Ark. 2001: 2000.

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft above NGVD of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. Some regulation since 1943 by Norfolk Lake, capacity, 1,983,000 acre-ft since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5870	14100	40700	17300	50500	e32100	43900	24300	7190	5990	10500	8690
2	7060	18500	43800	16100	49900	e31900	42200	19600	6550	6520	9590	8560
3	7580	23800	45800	16200	49400	31100	39200	17300	6680	7190	10400	8400
4	7030	27700	45600	21900	47000	29000	34100	15300	7440	e7380	11700	7680
5	5880	25300	44700	40000	42300	27100	30500	15500	7340	e7370	11900	7240
6	5800	22500	44100	53800	38000	24800	30000	14800	7270	6710	11400	7080
7	6820	20500	44700	60200	36300	19800	30200	14700	8080	6130	9900	6510
8	7930	18100	47100	61200	35600	16800	32200	14300	7810	6400	8250	5710
9	9370	15800	47200	57900	35600	17400	36600	12300	8680	7140	6830	6470
10	9300	14700	46000	53500	35400	19000	36700	11100	10100	8600	7400	5870
11	8600	15000	45200	49200	34800	19400	36300	10600	10200	8180	9160	6430
12	8530	16000	45200	47600	34100	20300	39400	11500	9560	7520	9070	6500
13	9740	e16600	44900	47400	34300	20100	43200	12700	9710	8580	8710	5360
14	10500	e17100	44000	50400	35500	17200	44400	12900	9190	10300	9060	5900
15	9650	e17000	42700	53800	35600	16100	41900	12100	9160	11200	8420	7820
16	8590	e15900	41400	55200	37000	17200	38900	9610	9730	13000	7420	7690
17	9030	e15300	38700	55000	37200	17400	36600	8740	8960	14400	8740	7020
18	10000	16400	35400	55000	36900	17600	34300	8670	7510	14400	9860	7080
19	10400	18800	32800	54900	36600	17500	32000	8350	6400	14200	9410	6770
20	10700	19800	30900	56500	36500	16600	30000	8940	6330	13300	e9210	6160
21	11100	19200	30200	57400	35600	15100	29400	9470	6480	13300	e10200	6570
22	10400	16700	33000	58100	34600	14800	29400	9390	6960	13000	e10100	7140
23	10800	16100	34300	58100	33900	25300	31000	9890	6840	12600	e8880	7420
24	11400	21000	32800	57800	34300	30000	30900	9140	7530	12700	e8580	7720
25	9530	26400	30800	57200	33700	34800	31000	10200	8670	11800	e10400	8500
26	9090	29200	29000	56000	33600	35400	30200	9280	8250	12000	e11700	8660
27	10100	29700	27500	54300	33300	36800	28300	7690	7200	13100	e11300	7160
28	9650	28100	25200	52700	32500	43100	25700	6950	6040	13000	e10700	6490
29	9380	27900	23600	52200	---	46200	27000	6780	5790	10800	e9580	7460
30	10700	35200	21800	51800	---	45300	28200	7010	6150	12200	e8610	7050
31	14300	---	18700	51200	---	44500	---	7280	---	11400	e8850	---
TOTAL	284830	618400	1157800	1529900	1050000	799700	1023700	356390	233800	320410	295830	213110
MEAN	9188	20610	37350	49350	37500	25800	34120	11500	7793	10340	9543	7104
MAX	14300	35200	47200	61200	50500	46200	44400	24300	10200	14400	11900	8690
MIN	5800	14100	18700	16100	32500	14800	25700	6780	5790	5990	6830	5360
AC-FT	565000	1227000	2296000	3035000	2083000	1586000	2031000	706900	463700	635500	586800	422700

WHITE RIVER BASIN

07074500 WHITE RIVER AT NEWPORT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

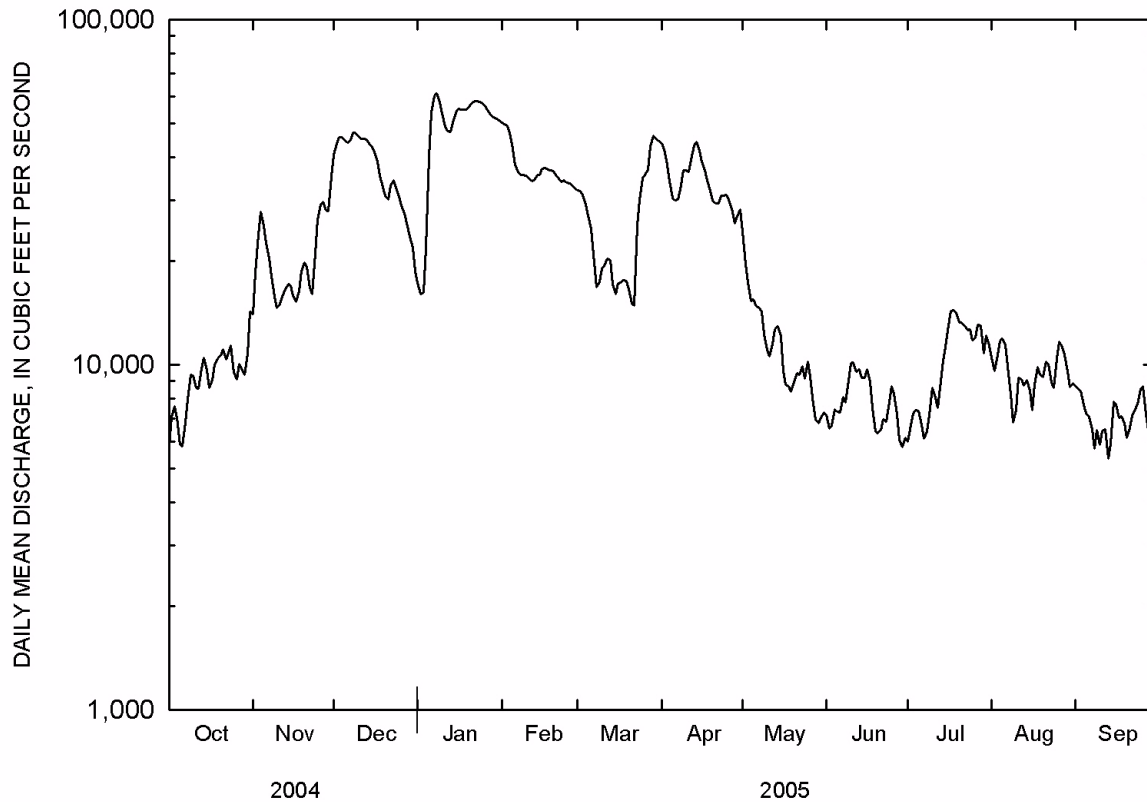
MEAN	10250	15200	23000	25950	28620	33910	37470	33470	21730	16430	13190	10960
MAX	26280	41430	89140	90830	95540	117400	164200	102800	98630	43020	34390	29530
(WY)	1994	1973	1983	1950	1949	1945	1945	1943	1945	1951	1957	1957
MIN	3667	3795	4371	5310	7052	9148	6539	6022	5986	5354	4611	3702
(WY)	2001	1955	1944	1944	1964	1981	1981	2001	2001	1944	1944	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1943 - 2005	
ANNUAL TOTAL	7958110		7883870			
ANNUAL MEAN	21740		21600		¹ 22480	
HIGHEST ANNUAL MEAN					46320 1945	
LOWEST ANNUAL MEAN					8073 1981	
HIGHEST DAILY MEAN	125000	Apr 27	61200	Jan 8	340000	Apr 18 1945
LOWEST DAILY MEAN	5800	Oct 6	5360	Sep 13	2870	Sep 27 1954
ANNUAL SEVEN-DAY MINIMUM	6500	Sep 30	6030	Sep 8	2960	Sep 24 1954
MAXIMUM PEAK FLOW			61900	Jan 8	343000	Apr 17 1945
MAXIMUM PEAK STAGE			24.16	Jan 8	² 35.19	Apr 18 1945
INSTANTANEOUS LOW FLOW			5040	Sep 14	2820	Oct 26 2000
ANNUAL RUNOFF (AC-FT)	15780000		15640000		16290000	
10 PERCENT EXCEEDS	38200		45400		47400	
50 PERCENT EXCEEDS	18700		15000		15600	
90 PERCENT EXCEEDS	9070		7030		6590	

¹Prior to regulation, water years 1928-31, 26,370 ft³/s

²Observed

^eEstimated



WHITE RIVER BASIN

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON

LOCATION.--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, at U.S. Highway 65, 0.25 mi upstream from Archey Fork at Clinton.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1961 to September 1994, September 2001 to current year. Annual maximum 1995-2001.

REVISED RECORDS.--WDR Ark. 1968: 1962, 1964. WDR Ark. 1973: Drainage area. WDR Ark. 1974: 1964 (M).

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft above NGVD of 1929. Prior to Oct. 1, 1966, non-recording gage at present site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1610	1330	104	82	164	369	235	12	3.3	0.21	0.00
2	3.4	1570	842	143	87	145	309	186	11	3.2	0.00	0.00
3	2.7	775	613	1680	109	131	266	156	9.4	3.0	0.00	0.00
4	2.6	617	475	3860	106	121	237	134	8.5	2.7	0.00	0.00
5	2.5	441	516	1940	101	111	214	115	7.7	2.6	0.00	0.00
6	2.0	347	770	1380	119	98	416	100	7.0	2.3	0.00	0.00
7	1.7	283	964	859	578	93	374	87	8.7	2.0	0.00	0.00
8	291	229	709	621	461	94	313	77	8.9	1.7	0.00	0.00
9	1010	190	552	472	366	90	272	87	7.7	1.2	0.00	0.00
10	432	166	441	380	293	90	246	86	8.6	0.87	0.00	0.00
11	1250	442	357	317	244	82	659	68	7.4	1.1	0.00	0.00
12	778	452	302	268	222	75	1370	59	6.9	1.0	0.00	0.00
13	372	329	253	963	372	70	724	52	7.1	0.41	0.00	0.00
14	300	263	211	556	341	65	524	46	6.3	0.06	0.00	0.00
15	317	224	182	399	279	60	414	41	5.6	0.01	0.74	0.00
16	225	195	164	319	243	59	338	38	5.0	0.00	0.27	0.00
17	172	173	148	259	213	56	282	34	4.8	0.08	0.49	0.00
18	142	175	135	218	197	53	244	31	4.3	33	2.4	0.00
19	121	283	123	196	187	50	213	29	4.0	7.8	2.7	0.00
20	102	245	111	173	181	48	186	26	3.8	4.1	2.2	0.00
21	88	215	105	153	199	50	164	23	3.5	3.4	1.7	0.00
22	78	198	138	131	204	919	148	21	3.3	3.1	1.1	0.00
23	82	383	131	108	213	963	132	21	3.3	2.7	0.96	0.00
24	117	1680	109	96	231	538	114	22	3.0	2.5	1.2	0.16
25	108	1040	98	90	199	514	102	23	2.8	2.3	0.58	133
26	97	649	94	84	181	516	102	22	2.7	2.1	0.33	51
27	88	744	94	75	170	2780	96	19	2.5	2.1	0.43	24
28	86	669	94	68	188	1270	112	17	2.4	2.0	0.31	15
29	88	3420	94	91	---	787	237	15	2.8	1.8	0.38	10
30	99	2940	94	102	---	587	367	13	2.4	1.5	0.29	7.7
31	211	---	94	89	---	451	---	12	---	0.82	0.00	---
TOTAL	6672.6	20947	10343	16194	6366	11130	9544	1895	173.4	94.75	16.29	240.86
MEAN	215	698	334	522	227	359	318	61.1	5.78	3.06	0.53	8.03
MAX	1250	3420	1330	3860	578	2780	1370	235	12	33	2.7	133
MIN	1.7	166	94	68	82	48	96	12	2.4	0.00	0.00	0.00
AC-FT	13240	41550	20520	32120	12630	22080	18930	3760	344	188	32	478
CFSM	1.45	4.72	2.25	3.53	1.54	2.43	2.15	0.41	0.04	0.02	0.00	0.05
IN.	1.68	5.27	2.60	4.07	1.60	2.80	2.40	0.48	0.04	0.02	0.00	0.06

WHITE RIVER BASIN

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962-94, 2001-05, BY WATER YEAR (WY)

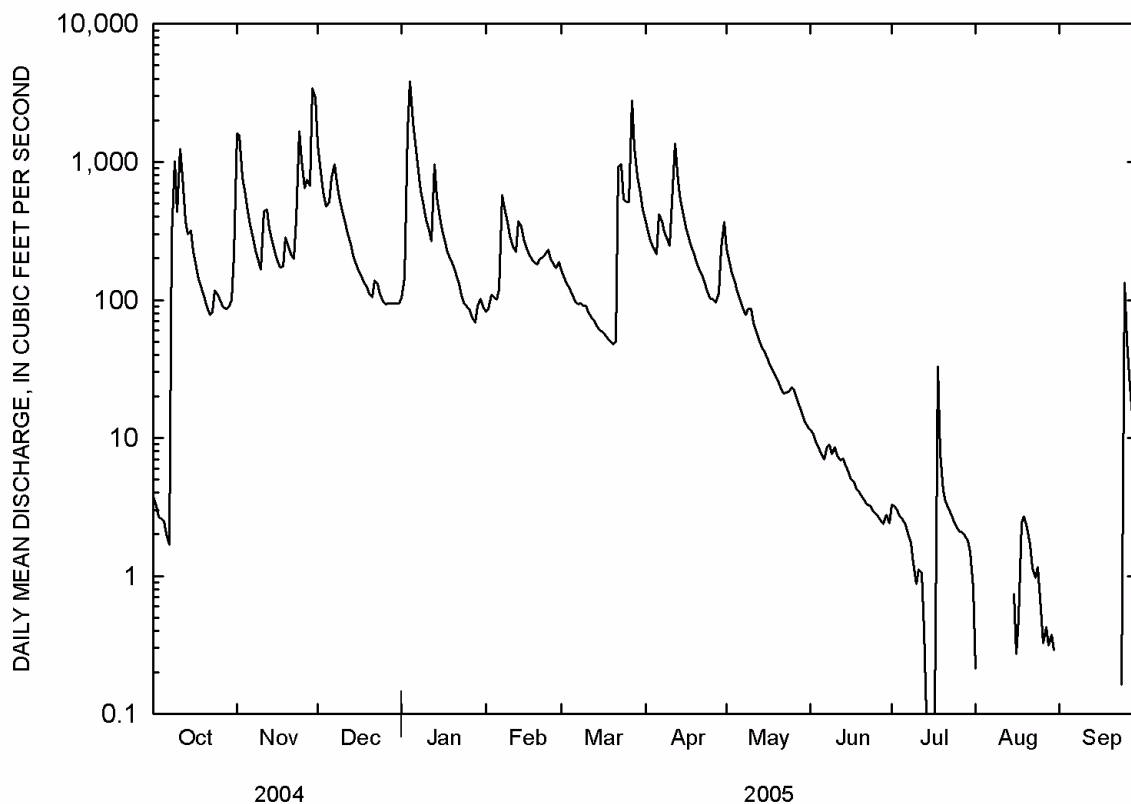
MEAN	91.2	253	384	282	347	483	454	292	115	23.4	18.0	44.5
MAX	851	721	2118	921	1255	1330	1461	892	617	73.3	98.0	473
(WY)	1985	1989	1983	1969	1989	1977	1973	1990	1974	1979	1977	1970
MIN	0.00	1.99	5.24	11.5	34.3	75.3	61.2	40.5	5.78	1.71	0.11	0.00
(WY)	1964	1990	1990	1981	1963	1972	1963	1977	2005	1966	1985	1969

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1962-94, 2001-05

ANNUAL TOTAL	87233.3		83616.90				
ANNUAL MEAN	238		229		232		
HIGHEST ANNUAL MEAN					490 1973		
LOWEST ANNUAL MEAN					75.1 2003		
HIGHEST DAILY MEAN	5130	Apr 23	3860	Jan 4	41600	Dec 3	1982
LOWEST DAILY MEAN	1.7	Oct 7	0.00	Jul 16	0.00	Aug 9	1963
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 1	0.00	Aug 2	0.00	Aug 23	1963
MAXIMUM PEAK FLOW			7840	Nov 29	¹ 67900	Dec 3	1982
MAXIMUM PEAK STAGE			12.99	Nov 29	² 34.27	Dec 3	1982
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times		
ANNUAL RUNOFF (AC-FT)	173000		165900		167800		
ANNUAL RUNOFF (CFSM)	1.61		1.55		1.56		
ANNUAL RUNOFF (INCHES)	21.93		21.02		21.26		
10 PERCENT EXCEEDS	509		582		511		
50 PERCENT EXCEEDS	100		94		77		
90 PERCENT EXCEEDS	15		0.00		1.5		

¹From rating curve extended above 24,000 ft³/s on the basis of contracted-opening and flow-over-road measurement of peak flow

²From floodmarks



WHITE RIVER BASIN

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 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfiltrd std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
OCT 2004											
21...	1138	80513	140	1.60	3.50	765	7.6	84	6.7	47	20.2
21...	1139	80513	140	10.1	--	765	7.5	82	7.0	47	20.1
21...	1140	80513	140	20.1	--	765	7.0	77	6.8	47	20.0
21...	1142	80513	140	30.2	--	765	7.0	76	6.8	47	20.0
21...	1143	80513	140	40.1	--	765	6.7	73	6.7	47	19.9
21...	1144	80513	140	50.2	--	765	2.0	21	6.1	48	18.3
21...	1146	80513	140	52.2	--	765	.6	6	6.0	48	17.4
21...	1147	80513	140	56.0	--	765	.8	8	6.0	48	16.4
21...	1148	80513	140	60.1	--	765	1.1	11	5.9	49	15.6
21...	1149	80513	140	66.1	--	765	1.7	16	6.0	49	14.7
21...	1150	80513	140	70.2	--	765	2.4	23	6.0	49	13.9
21...	1151	80513	140	80.0	--	765	3.5	32	6.0	49	12.6
21...	1152	80513	140	90.1	--	765	4.0	37	6.0	49	11.3
21...	1153	80513	140	100	--	765	4.1	36	6.0	49	10.5
21...	1154	80513	140	110	--	765	3.5	30	6.0	49	9.5
21...	1155	80513	140	120	--	765	2.7	23	5.9	50	9.0
21...	1156	80513	140	130	--	765	2.1	18	5.9	51	8.8
21...	1157	80513	140	140	--	765	1.7	15	5.9	52	8.6
NOV											
16...	1319	80513	143	1.30	3.00	774	7.6	79	6.7	47	18.1
16...	1320	80513	143	10.2	--	774	8.0	82	6.7	47	17.3
16...	1321	80513	143	20.1	--	774	7.3	75	6.7	47	17.2
16...	1322	80513	143	30.1	--	774	7.3	74	6.7	47	17.2
16...	1323	80513	143	40.1	--	774	7.3	74	6.7	47	17.2
16...	1324	80513	143	50.1	--	774	6.8	69	6.6	47	16.9
16...	1325	80513	143	60.1	--	774	1.2	12	6.1	49	16.1
16...	1326	80513	143	65.1	--	774	1.1	11	6.1	49	15.1
16...	1327	80513	143	70.1	--	774	1.6	15	6.1	49	14.4
16...	1328	80513	143	80.1	--	774	2.5	24	6.1	49	13.3
16...	1329	80513	143	88.0	--	774	3.2	30	6.1	49	12.3
16...	1330	80513	143	90.2	--	774	3.5	32	6.1	49	11.9
16...	1331	80513	143	100	--	774	3.7	33	6.0	49	10.9
16...	1332	80513	143	110	--	774	3.4	30	6.0	49	10.1
16...	1335	80513	143	120	--	774	2.5	21	5.9	50	9.4
16...	1336	80513	143	130	--	774	1.7	15	5.9	51	9.0
16...	1337	80513	143	140	--	774	1.3	11	5.9	52	8.8
16...	1338	80513	143	143	--	774	1.1	9	5.9	52	8.7
DEC											
30...	0954	80513	147	.20	3.50	771	8.1	72	7.0	47	11.0
30...	0955	80513	147	10.0	--	771	7.8	70	6.9	48	10.6
30...	0956	80513	147	20.0	--	771	7.5	67	6.9	48	10.6
30...	0957	80513	147	30.0	--	771	7.5	66	6.8	48	10.5
30...	0958	80513	147	40.0	--	771	7.4	65	6.8	48	10.5
30...	0959	80513	147	50.1	--	771	7.0	62	6.8	49	10.5
30...	1000	80513	147	60.1	--	771	6.6	58	6.7	50	10.4
30...	1005	80513	147	70.0	--	771	6.9	61	6.7	49	10.4
30...	1006	80513	147	80.0	--	771	6.3	55	6.7	50	10.3
30...	1008	80513	147	90.0	--	771	4.7	41	6.6	52	10.3
30...	1009	80513	147	100	--	771	2.0	18	6.5	57	10.2
30...	1010	80513	147	110	--	771	1.7	15	6.5	58	10.1
30...	1011	80513	147	120	--	771	2.1	19	6.5	56	10.0
30...	1012	80513	147	130	--	771	.8	7	6.5	60	10.0
30...	1013	80513	147	140	--	771	.4	3	6.5	63	9.9
30...	1014	80513	147	147	--	771	.3	3	6.5	64	9.8
MAR 2005											
22...	1416	80513	149	.60	5.60	756	11.1	101	7.5	47	11.1
22...	1417	80513	149	10.4	--	756	10.9	98	7.6	48	10.1
22...	1418	80513	149	20.1	--	756	10.9	97	7.5	48	9.9
22...	1419	80513	149	30.3	--	756	10.7	95	7.5	48	9.8
22...	1420	80513	149	40.3	--	756	10.9	96	7.4	48	9.3
22...	1421	80513	149	50.4	--	756	10.8	95	7.3	48	9.3
22...	1422	80513	149	60.1	--	756	10.5	92	7.3	47	9.0
22...	1423	80513	149	70.2	--	756	10.3	89	7.2	48	8.7
22...	1424	80513	149	80.3	--	756	9.9	86	7.2	48	8.4
22...	1425	80513	149	90.2	--	756	9.8	84	7.2	48	8.4
22...	1426	80513	149	100	--	756	9.7	83	7.1	48	8.3
22...	1427	80513	149	110	--	756	9.7	83	7.1	48	8.3
22...	1428	80513	149	120	--	756	9.4	81	7.0	48	8.2
22...	1429	80513	149	130	--	756	9.4	81	7.0	48	8.2
22...	1430	80513	149	140	--	756	9.3	79	7.0	48	8.2
22...	1432	80513	149	149	--	756	9.2	78	7.0	48	8.2

WHITE RIVER BASIN

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Reser- voir depth, feet (72025)	Sam- pling depth, feet (00003)	Trans- parency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
AUG 2005											
25...	0934	80513	187	.40	6.20	757	6.4	87	6.8	50	30.6
25...	0935	80513	187	10.0	--	757	6.3	85	6.8	50	30.5
25...	0936	80513	187	20.0	--	757	6.6	88	6.8	49	29.9
25...	0937	80513	187	24.0	--	757	7.6	98	7.1	49	28.5
25...	0938	80513	187	25.0	--	757	8.4	108	7.7	49	27.4
25...	0939	80513	187	26.0	--	757	9.6	119	8.2	49	26.2
25...	0940	80513	187	27.1	--	757	10.1	124	8.3	49	25.2
25...	0941	80513	187	28.0	--	757	10.5	126	8.3	49	24.1
25...	0942	80513	187	29.0	--	757	10.7	126	8.4	49	23.3
25...	0943	80513	187	30.1	--	757	11.1	128	8.5	49	22.3
25...	0944	80513	187	31.0	--	757	11.0	125	8.4	49	21.4
25...	0945	80513	187	32.0	--	757	11.1	124	8.4	49	20.4
25...	0946	80513	187	33.0	--	757	10.6	116	8.2	48	19.5
25...	0947	80513	187	34.0	--	757	10.2	110	7.8	47	18.7
25...	0948	80513	187	36.4	--	757	9.5	100	7.0	47	17.5
25...	0949	80513	187	38.1	--	757	8.7	90	6.5	46	16.4
25...	0950	80513	187	40.0	--	757	7.7	78	6.3	46	15.7
25...	0951	80513	187	45.0	--	757	6.3	62	6.0	47	14.2
25...	0952	80513	187	50.0	--	757	6.0	57	5.9	47	13.2
25...	0953	80513	187	58.0	--	757	5.9	55	5.9	48	12.0
25...	0954	80513	187	60.0	--	757	5.8	54	5.9	47	11.9
25...	0955	80513	187	70.0	--	757	6.0	55	5.9	48	11.1
25...	0956	80513	187	80.0	--	757	6.3	57	5.9	48	10.4
25...	0957	80513	187	90.0	--	757	6.3	56	5.9	48	10.0
25...	0958	80513	187	100	--	757	6.2	55	5.9	48	9.7
25...	0959	80513	187	110	--	757	5.9	52	5.8	49	9.4
25...	1000	80513	187	120	--	757	5.4	47	5.8	49	9.2
25...	1001	80513	187	130	--	757	4.7	41	5.8	49	9.1
25...	1002	80513	187	140	--	757	4.4	38	5.7	50	9.1
25...	1003	80513	187	150	--	757	4.2	37	5.7	50	9.0
25...	1004	80513	187	160	--	757	4.1	35	5.7	50	9.0
25...	1005	80513	187	170	--	757	3.8	33	5.7	50	8.9
25...	1006	80513	187	180	--	757	3.5	30	5.7	51	8.9
25...	1007	80513	187	187	--	757	3.2	28	5.7	51	8.9
SEP											
21...	1243	80513	145	.60	5.50	762	7.5	97	7.2	50	28.6
21...	1244	80513	145	9.90	--	762	7.4	94	7.4	50	27.5
21...	1246	80513	145	20.1	--	762	7.4	93	7.2	50	26.8
21...	1248	80513	145	28.1	--	762	7.9	96	7.3	49	25.7
21...	1249	80513	145	29.0	--	762	10.0	121	8.2	49	24.9
21...	1250	80513	145	30.0	--	762	10.6	125	8.3	49	23.9
21...	1251	80513	145	31.0	--	762	10.7	125	8.2	48	22.9
21...	1252	80513	145	32.0	--	762	10.7	121	8.1	48	21.5
21...	1253	80513	145	34.0	--	762	10.2	112	7.3	47	19.8
21...	1254	80513	145	36.0	--	762	9.3	99	6.8	47	18.4
21...	1255	80513	145	38.1	--	762	8.3	86	6.5	47	17.0
21...	1256	80513	145	40.0	--	762	7.1	72	6.2	47	16.1
21...	1257	80513	145	44.0	--	762	5.8	58	6.0	47	15.0
21...	1258	80513	145	50.1	--	762	5.4	52	6.0	47	13.6
21...	1259	80513	145	60.0	--	762	5.5	51	5.9	47	12.1
21...	1300	80513	145	70.1	--	762	5.7	52	5.9	48	11.1
21...	1301	80513	145	80.0	--	762	6.0	54	5.9	48	10.4
21...	1302	80513	145	90.0	--	762	6.2	55	5.9	48	10.0
21...	1303	80513	145	100	--	762	5.9	52	5.9	48	9.6
21...	1304	80513	145	110	--	762	5.2	46	5.8	49	9.4
21...	1305	80513	145	120	--	762	4.6	40	5.8	49	9.3
21...	1306	80513	145	130	--	762	4.1	36	5.8	49	9.2
21...	1307	80513	145	140	--	762	3.9	33	5.8	50	9.1
21...	1308	80513	145	145	--	762	3.7	32	5.8	51	9.1

WHITE RIVER BASIN

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS--CONTINUED

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.6	9.4	9.4	12.6	9.5	10.4	12.4	9.5	10.2	12.4	9.6	10.4
2	13.2	9.4	10.8	12.5	9.5	10.2	11.6	9.6	10.0	12.1	9.8	10.4
3	13.4	9.4	10.6	13.0	9.3	10.1	12.3	9.6	10.1	12.5	9.8	10.4
4	13.8	9.4	10.5	12.7	9.5	10.1	12.2	9.6	10.1	12.9	9.6	10.3
5	13.0	9.4	10.4	12.3	9.4	10.2	13.4	9.6	11.0	11.9	9.6	10.1
6	12.7	9.4	10.1	12.0	9.5	10.2	12.0	9.8	10.3	12.2	9.7	10.4
7	12.6	9.6	10.3	12.5	9.5	10.0	13.0	9.7	10.2	12.1	9.7	10.3
8	11.6	9.5	9.8	12.6	9.4	10.3	11.7	9.6	10.1	12.6	9.6	10.3
9	12.0	9.4	10.0	12.4	9.4	10.3	11.8	9.6	10.1	12.7	9.6	10.4
10	12.8	9.5	10.4	12.8	9.5	10.4	13.1	9.7	10.3	13.3	9.7	10.6
11	13.2	9.4	10.3	10.7	9.6	9.9	12.7	9.7	10.3	12.7	9.7	10.3
12	11.0	9.3	9.9	13.4	9.5	10.1	12.2	9.7	10.2	12.8	9.7	10.4
13	13.8	9.7	10.5	12.0	9.5	9.9	12.4	9.7	10.4	13.0	9.8	10.5
14	13.5	9.5	10.4	12.7	9.4	10.1	12.3	9.8	10.3	10.8	9.9	10.1
15	11.0	9.3	9.7	11.6	9.6	9.9	12.9	9.9	10.7	11.3	9.8	10.3
16	10.8	9.3	9.9	11.2	9.5	9.9	12.7	10.0	10.6	13.4	9.8	10.7
17	11.6	9.4	10.0	12.4	9.6	10.2	11.9	9.9	10.3	13.0	9.6	10.4
18	11.8	9.4	10.2	11.4	9.7	9.9	12.6	9.8	10.4	12.6	9.7	10.5
19	12.3	9.5	10.3	11.3	9.6	10.0	13.2	9.9	10.6	13.0	9.9	10.6
20	13.2	9.6	10.5	12.1	9.5	10	13.7	9.8	10.7	13.3	9.9	10.7
21	13.0	9.4	10.1	11.6	9.6	9.9	12.8	9.9	10.5	10.3	9.9	10.1
22	12.7	9.5	10.1	12.5	9.6	10.1	13.6	9.9	10.7	12.6	10.1	10.7
23	11.7	9.4	9.9	13.0	9.7	10.2	13.0	9.9	10.5	13.4	9.9	10.6
24	12.9	9.4	10.1	11.9	9.6	10	12.8	9.8	10.6	11.4	9.9	10.4
25	12.8	9.5	10.2	12.0	9.7	10.0	13.1	9.9	10.5	14.0	10.2	11.5
26	12.4	9.6	10.2	13.6	9.7	10.5	12.9	9.9	10.4	12.8	9.9	10.5
27	12.9	9.6	10.5	11.4	9.7	10.3	12.8	10.0	10.7	12.6	10.0	10.7
28	13.1	9.6	10.4	12.1	9.7	10.2	11.7	9.8	10.2	12.0	9.8	10.4
29	13.0	9.5	10.4	13.0	9.5	10.2	12.3	10.0	10.5	12.6	9.7	10.7
30	13.2	9.5	10.4	13.4	9.4	10.3	12.9	10.0	11.0	11.8	9.5	10.0
31	---	---	---	12.1	9.5	10.1	13.4	9.7	10.5	---	---	---
MONTH	13.8	9.3	10.2	13.6	9.3	10.1	13.7	9.5	10.4	14.0	9.5	10.5

WHITE RIVER BASIN

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07076517 LITTLE RED RIVER NEAR DEWEY

LOCATION.--Lat 35°26'16", long 91°44'46", 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 mi².

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

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair. Flow completely regulated since March 30, 1962, by Greers Ferry Lake 30.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	617	5640	2730	471	1990	2000	3810	624	3430	569	784	406
2	296	3600	5090	818	492	3300	4050	443	1860	254	1240	242
3	255	1240	4430	2310	509	1740	4370	884	e1050	301	2210	218
4	211	1390	4610	5060	513	1190	3210	439	e653	272	2200	230
5	575	1150	4480	3280	922	779	3570	236	309	956	2260	262
6	398	596	4570	7350	649	153	4220	722	351	277	181	793
7	334	415	4920	4030	1410	155	3200	307	1470	160	505	236
8	553	332	3940	4570	2240	687	757	184	1450	647	547	338
9	545	278	4810	4470	3760	864	3940	217	2190	216	1530	487
10	325	243	7600	3810	3650	708	3260	1300	1590	173	2240	362
11	553	642	7480	6260	3810	600	2900	2390	870	172	1890	349
12	728	922	5780	6980	3470	1080	3640	216	675	1430	1840	327
13	4280	511	3800	7630	1790	497	4830	1540	492	1250	2050	355
14	5780	346	3960	7500	2770	1470	4270	2050	1360	1560	688	575
15	5970	292	3930	7450	3330	258	3220	299	1410	1400	1530	358
16	3290	259	3970	7000	4300	590	3700	210	1350	1550	284	191
17	348	234	3900	6910	3420	150	3260	628	282	387	666	187
18	1740	688	2900	6970	1700	185	2600	388	268	220	278	190
19	3490	975	1460	7590	1260	343	3030	656	276	1600	1920	162
20	1680	798	1790	7610	1480	87	2640	1370	210	640	1220	634
21	1840	528	1570	5120	1130	87	3140	464	192	1670	452	755
22	2110	398	4850	6500	1110	2060	2530	799	2450	2380	411	985
23	2580	1080	4170	7540	1110	4790	1130	442	1910	1370	738	434
24	345	2870	2590	7370	1740	3810	1640	615	2090	1460	649	454
25	202	1680	1940	2910	1920	3840	1360	630	2110	1930	559	371
26	793	1390	931	3550	1340	4790	1630	780	885	1730	975	237
27	284	1000	587	3530	194	4820	1250	232	442	298	865	496
28	135	1180	1770	3190	505	5120	292	366	435	205	272	419
29	702	2080	1240	3070	---	5650	863	385	889	622	541	344
30	495	5120	662	2470	---	5000	1920	354	932	1050	489	186
31	1130	---	513	2310	---	3070	---	1810	---	766	251	---
TOTAL	42584	37877	106973	155629	52514	59873	84232	21980	33881	27515	32265	11583
MEAN	1374	1263	3451	5020	1876	1931	2808	709	1129	888	1041	386
MAX	5970	5640	7600	7630	4300	5650	4830	2390	3430	2380	2260	985
MIN	135	234	513	471	194	87	292	184	192	160	181	162
AC-FT	84470	75130	212200	308700	104200	118800	167100	43600	67200	54580	64000	22970

WHITE RIVER BASIN

07076517 LITTLE RED RIVER NEAR DEWEY--CONTINUED

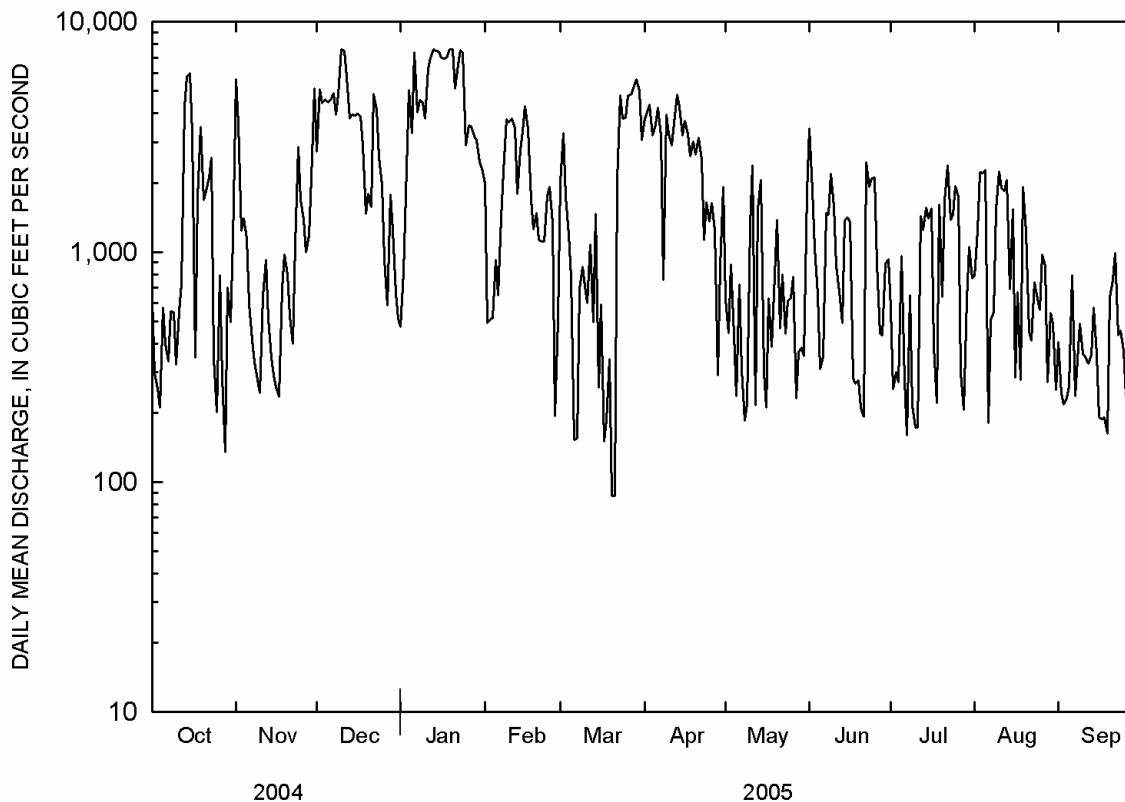
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	687	651	1800	1995	2451	2644	1873	1732	2038	1469	1290	671
MAX	1374	1263	5060	5020	4394	4573	3445	3501	3769	2975	2272	1517
(WY)	2005	2005	1997	2005	1998	1997	1998	1997	2003	2002	2004	2004
MIN	213	149	199	353	383	923	250	420	474	888	704	374
(WY)	2002	1998	1998	2000	2000	2003	2003	2001	2001	2005	2001	2001

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	731272		666906			
ANNUAL MEAN	1998		1827		1484	
HIGHEST ANNUAL MEAN					2010 2002	
LOWEST ANNUAL MEAN					949 2000	
HIGHEST DAILY MEAN	9640	May 14	7630	Jan 13	24100	May 17 2003
LOWEST DAILY MEAN	129	Apr 7	87	Mar 20	83	Oct 30 2000
ANNUAL SEVEN-DAY MINIMUM	157	Apr 2	243	Mar 15	89	Apr 15 2003
MAXIMUM PEAK FLOW			10600	Jan 6	¹ 28200	May 17 2003
MAXIMUM PEAK STAGE			16.60	Jan 6	30.24	May 17 2003
INSTANTANEOUS LOW FLOW			75	Mar 21	75	Mar 21 2005
ANNUAL RUNOFF (AC-FT)	1450000		1323000		1075000	
10 PERCENT EXCEEDS	4160		4570		3590	
50 PERCENT EXCEEDS	1820		1110		916	
90 PERCENT EXCEEDS	291		243		164	

¹From rating curve extended above 25,700 ft³/s

^eEstimated



WHITE RIVER BASIN

183

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.

WATER-DISCHARGE RECORDS

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 NGVD of 1929. Prior to Dec. 22, 1933, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. 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 2004 TO SEPTEMBER 2005

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7270	12400	44300	35400	64600	42400	47800	35600	9270	8440	13100	10900
2	6860	18900	46100	33100	63800	41700	48300	34900	10100	8190	12900	10400
3	6510	26700	47100	31600	62800	41500	48600	33000	11000	7850	12500	10300
4	e6550	30800	47900	32200	61400	40900	48800	30100	10300	7590	12300	10400
5	6670	34000	48600	34100	60300	39700	48900	26700	9250	7920	12500	10200
6	6850	36100	49400	38800	59100	37600	49600	23600	8740	8760	13100	9980
7	6600	36000	50800	44600	59000	35200	49500	21500	8760	10100	13100	9640
8	6210	34000	52100	48500	59400	32800	48700	20000	9100	9760	12700	9370
9	6240	31300	52800	50200	58500	29800	47500	19000	9810	8900	12000	8790
10	7080	27900	53800	52000	57300	26600	46300	18100	10500	8390	11200	8140
11	8430	25200	54600	53100	55800	24600	47400	17300	11100	8270	10500	7780
12	9470	24000	55100	54400	54500	23300	50500	16800	11700	8900	10100	7520
13	9930	22900	55800	58100	52600	23100	50700	15900	11800	9640	10300	7320
14	10600	22100	56400	60900	51900	23000	51200	15400	11900	10100	10800	7380
15	12600	21700	56400	62900	49900	22700	51900	15700	11900	10700	10800	7100
16	14300	21600	56200	64700	49200	21400	52300	15900	12000	11600	10600	6930
17	14500	21400	55700	66000	48600	20200	52400	15200	12000	12600	10400	7370
18	13000	20900	55100	66400	48000	19400	52100	e13900	11900	13400	9620	7980
19	12900	20300	54400	66400	47300	19200	51500	e12900	11300	14100	9310	8070
20	13900	20400	52800	66800	46700	19200	50700	e12100	10500	14700	10100	7900
21	14200	21000	51600	67200	46100	18900	49400	e11700	9470	15000	10900	7700
22	14100	21500	50200	66900	45700	19200	47800	e11900	8530	14900	11300	7550
23	14200	21600	49600	67600	45600	21100	46300	e11800	8440	15200	11700	7570
24	14500	25200	49200	67000	45600	24500	44600	e12000	9270	15100	11700	7870
25	14200	29600	48400	67000	45100	28800	42800	12100	9690	14800	10900	8610
26	13400	31700	47600	67500	44500	32500	41700	12000	10100	14600	9740	10100
27	12500	34200	46500	67800	44100	36500	40700	12100	10500	14400	9510	11000
28	11700	37000	44600	67700	43300	41000	39300	12000	10400	13900	10100	11500
29	11100	38700	42800	67400	---	43400	37500	11200	9710	13600	10800	11800
30	10900	40900	40600	66700	---	45000	35700	10300	8900	13600	11500	11500
31	11100	---	38200	65800	---	46900	---	9600	---	13300	11600	---
TOTAL	328370	810000	1554700	1758800	1470700	942100	1420500	540300	307940	358310	347680	268670
MEAN	10590	27000	50150	56740	52520	30390	47350	17430	10260	11560	11220	8956
MAX	14500	40900	56400	67800	64600	46900	52400	35600	12000	15200	13100	11800
MIN	6210	12400	38200	31600	43300	18900	35700	9600	8440	7590	9310	6930
AC-FT	651300	1607000	3084000	3489000	2917000	1869000	2818000	1072000	610800	710700	689600	532900

WHITE RIVER BASIN

07077000 WHITE RIVER AT DEVALLS BLUFF--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1989-05, BY WATER YEAR (WY)

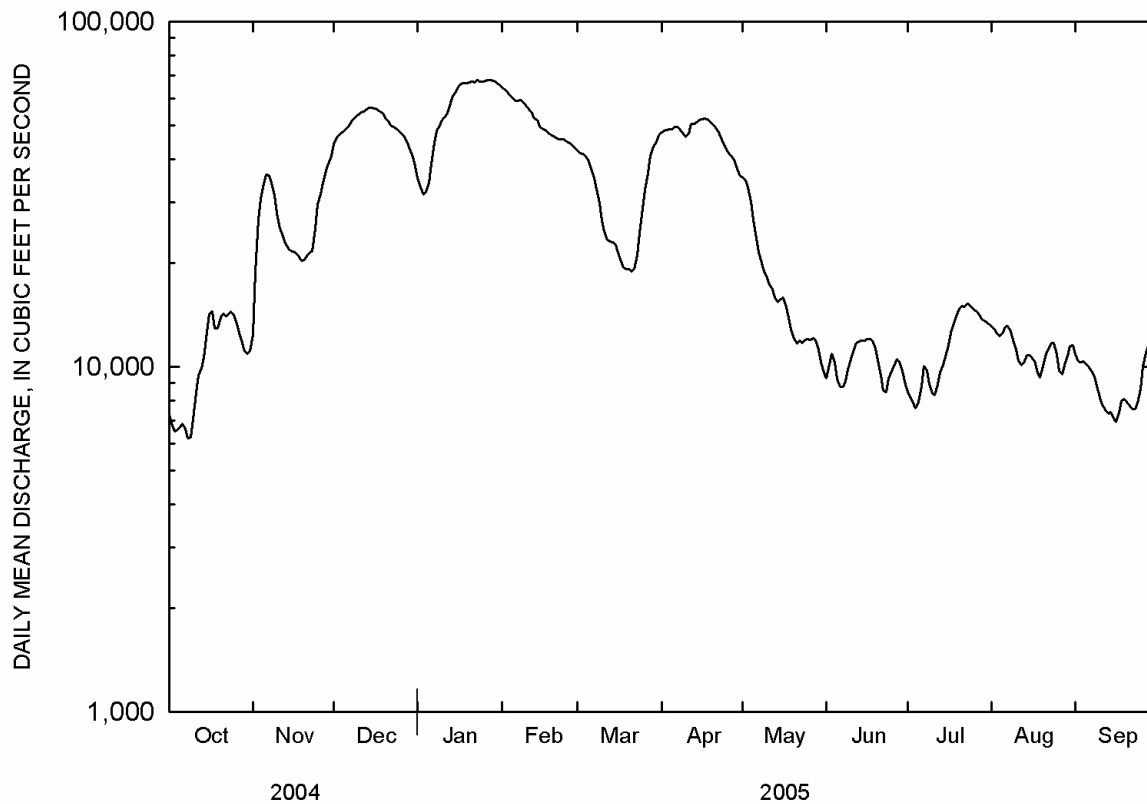
MEAN	11710	15740	24620	30780	36220	39670	41230	40300	25900	19480	16110	12970
MAX	30100	48890	67180	110000	107100	73060	75360	90730	73590	48560	48900	36450
(WY)	1950	1958	1952	1950	1950	1989	1957	1957	1957	1951	1957	1950
MIN	3715	3831	5260	6042	7974	13240	13230	7448	6676	7822	7112	4276
(WY)	1955	1955	1955	1964	1964	1996	1963	2001	2001	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950-70, 1989-05	
ANNUAL TOTAL	9744800		10108070			
ANNUAL MEAN	26630		27690		26180	
HIGHEST ANNUAL MEAN					51270 1950	
LOWEST ANNUAL MEAN					12230 1963	
HIGHEST DAILY MEAN	77100	May 4	67800	Jan 27	154000	Jan 19 1950
LOWEST DAILY MEAN	6210	Oct 8	6210	Oct 8	3230	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	6520	Oct 3	6520	Oct 3	3290	Sep 26 1954
MAXIMUM PEAK FLOW			68400	Jan 23,27	154000	Jan 19 1950
MAXIMUM PEAK STAGE			23.30	Jan 23,27	28.42	Jan 20 1950
INSTANTANEOUS LOW FLOW			a		3230	¹ Sep 29 1954
ANNUAL RUNOFF (AC-FT)	19330000		20050000		18960000	
10 PERCENT EXCEEDS	49800		55100		53600	
50 PERCENT EXCEEDS	23200		19400		19200	
90 PERCENT EXCEEDS	12100		8690		7940	

¹Also September 30, October 1 and October 29, 1954

^aUndetermined

^eEstimated



WHITE RIVER BASIN

07077000 WHITE RIVER AT DEVALLS BLUFF--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946-60, 1968-70, 1974-95, and 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, mg/L (00915)
NOV 2004 22...	1030	80513	80020	21500	70	771	9.5	91	8.2	278	14.2	130	32.5
JAN 2005 05...	0815	80513	80020	33600	10	770	10.5	96	7.8	206	11.8	91	22.1
MAR 23...	0800	80513	80020	20700	40	766	11.2	103	8.1	293	12.0	150	36.1
APR 14...	1230	80513	80020	50800	10	772	8.4	86	7.8	215	17.3	100	25.1
JUN 29...	0730	80513	80020	9930	70	768	7.9	101	7.9	275	28.7	150	35.6
AUG 24...	0915	80513	80020	11800	70	766	7.0	90	8.4	306	28.0	150	37.1

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)
NOV 2004 22...	13.0	2.07	.1	2.92	4	4.32	E.1	6.0	150	.31	<.04	.28	<.008
JAN 2005 05...	8.78	1.88	.1	3.17	7	4.57	E.1	5.9	117	.35	<.04	.23	<.008
MAR 23...	14.9	1.49	.1	3.64	5	5.30	E.1	6.1	155	.35	<.04	.16	<.008
APR 14...	9.24	1.55	.1	2.60	5	3.69	E.1	5.1	110	.40	<.04	.18	<.008
JUN 29...	15.5	1.49	.1	4.11	5	6.02	E.1	6.6	156	.30	<.04	<.06	<.008
AUG 24...	14.8	1.64	.2	4.34	6	6.02	E.1	5.9	175	.40	<.04	<.06	<.008

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 22...	E.02	E.02	.08	.58	100	70	84	92	107	6210	3070
JAN 2005 05...	E.01	<.04	.07	.59	160	130	E50	87	87	7890	3055
MAR 23...	<.02	<.04	.05	.52	67	59	112	97	33	1840	3070
APR 14...	E.01	<.04	.08	.59	240	330	144	64	72	9880	3055
JUN 29...	<.02	<.04	.04	--	E9	E7	63	93	29	778	3070
AUG 24...	<.02	<.04	.05	--	44	40	--	91	45	1430	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

07077380 CACHE RIVER AT EGYPT

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

DRAINAGE AREA.--701 mi².

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.--WDR Ark. 1972: 1966. WDR Ark. 1973: Drainage area. WDR Ark. 2000: 1998-99.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	643	4010	1510	261	198	2760	1160	44	274	265	834
2	0.00	3590	3870	1720	330	205	1450	464	23	773	203	726
3	0.00	4030	3600	2380	389	150	545	195	14	662	174	588
4	0.00	4060	3290	3750	369	140	224	95	3.3	460	172	426
5	0.00	3930	2640	4270	302	159	140	57	22	2120	175	298
6	0.00	3660	1910	4650	280	126	145	46	38	2020	230	212
7	0.00	3330	3220	4710	1100	86	1430	36	36	1280	455	181
8	0.00	3010	3730	4700	2320	82	2410	30	33	711	610	157
9	0.00	2490	3520	4590	2330	126	1210	34	65	372	522	160
10	0.00	1230	3230	4450	1640	111	512	38	310	256	e419	178
11	0.00	857	3010	4300	771	76	1050	49	742	353	e313	159
12	83	2180	2760	4090	522	62	3290	45	832	1070	249	135
13	193	2460	1960	4300	1260	66	2990	34	703	1490	e290	e116
14	191	2330	905	4480	2010	54	2330	33	334	1760	273	100
15	350	1850	534	4350	1750	50	1000	40	127	1970	304	125
16	326	759	354	4100	1000	41	395	52	56	2140	434	451
17	291	330	279	3720	571	42	206	86	27	1960	426	434
18	171	205	242	3260	367	45	130	78	18	1160	475	283
19	104	687	213	2150	249	47	96	75	28	721	470	186
20	154	1200	177	1220	183	43	77	73	42	563	403	132
21	234	877	172	795	173	35	64	64	21	352	332	91
22	136	484	1890	587	540	325	57	60	2.9	301	290	69
23	93	758	2760	371	520	1240	56	66	0.00	e277	333	68
24	63	2880	2190	257	281	818	50	69	0.00	e223	488	54
25	48	3130	1090	229	195	368	43	73	14	185	561	438
26	60	2480	669	224	151	201	38	71	53	156	555	1000
27	74	1460	507	213	133	1640	35	40	57	141	773	920
28	44	1640	422	208	147	3880	41	20	53	156	1040	725
29	484	2100	834	196	---	3900	393	19	41	190	952	501
30	805	3720	1910	204	---	3540	1900	16	43	229	968	323
31	386	---	2060	213	---	3150	---	39	---	280	946	---
TOTAL	4290.00	62360	57958	76197	20144	21006	25067	3257	3782.20	24605	14100	10070
MEAN	138	2079	1870	2458	719	678	836	105	126	794	455	336
MAX	805	4060	4010	4710	2330	3900	3290	1160	832	2140	1040	1000
MIN	0.00	205	172	196	133	35	35	16	0.00	141	172	54
AC-FT	8510	123700	115000	151100	39960	41670	49720	6460	7500	48800	27970	19970
CFSM	0.20	2.97	2.67	3.51	1.03	0.97	1.19	0.15	0.18	1.13	0.65	0.48
IN.	0.23	3.31	3.08	4.04	1.07	1.11	1.33	0.17	0.20	1.31	0.75	0.53

WHITE RIVER BASIN

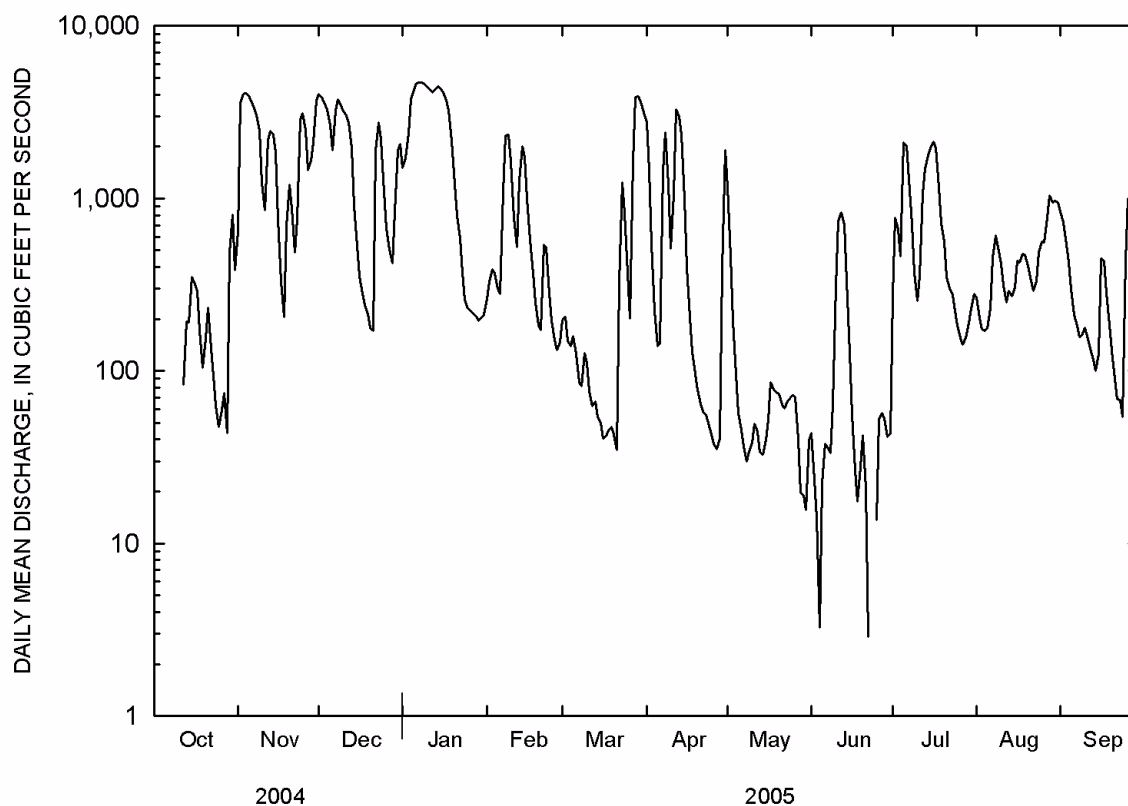
07077380 CACHE RIVER AT EGYPT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	363	789	1340	1314	1275	1199	1202	1071	472	435	446	465
MAX	2437	2942	4729	4249	3552	3543	4759	4256	1655	1528	2117	1637
(WY)	1985	1997	2002	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	61.9
(WY)	1995	2000	1977	1981	1996	1996	1981	1987	1988	1968	1968	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL TOTAL	297422.36		322836.20			
ANNUAL MEAN	813		884		863	
HIGHEST ANNUAL MEAN					1762 1973	
LOWEST ANNUAL MEAN					299 1972	
HIGHEST DAILY MEAN	4060	Nov 4	4710	Jan 7	7940	Apr 25 1973
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Oct 1	0.00	Nov 6 1982
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Oct 1	0.00	Oct 14 1991
MAXIMUM PEAK FLOW			4740	Jan 7-8	8490	Jan 6 1966
MAXIMUM PEAK STAGE			18.73	Jan 7-8	21.88	Jan 6 1966
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	589900		640300		624900	
ANNUAL RUNOFF (CFSM)	1.16		1.26		1.23	
ANNUAL RUNOFF (INCHES)	15.78		17.13		16.72	
10 PERCENT EXCEEDS	2780		3060		2780	
50 PERCENT EXCEEDS	315		304		298	
90 PERCENT EXCEEDS	45		38		37	

°Estimated



WHITE RIVER BASIN

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 U.S. 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 NGVD29. 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 datum 183.17 ft above NGVD of 1929; 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 NGVD29; Jan. 1, 1950, to Oct. 2, 1966, water-stage recorder at present datum.

REMARKS.--Water-discharge records 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.5	e215	e4010	1340	773	535	2630	357	80	151	217	1510
2	e8.0	e560	e4210	1480	738	463	2770	611	70	163	216	1600
3	e4.5	e1210	e4320	1930	754	404	2780	918	63	179	234	1540
4	e3.0	e1580	e3990	2380	770	364	2750	1250	57	193	260	1400
5	e2.5	e2040	e3520	2690	771	347	2510	1260	52	279	277	1260
6	e5.0	e2520	e3870	3120	756	341	2040	1050	53	489	268	1110
7	e5.0	e2940	e3780	3830	813	330	1560	812	62	638	253	964
8	e4.5	e3230	e3670	4340	937	312	1230	605	67	749	237	823
9	e4.0	e3190	e3550	4410	1020	293	1020	446	68	925	236	683
10	e4.0	e3110	e3430	4180	1070	278	1020	325	76	1200	266	567
11	e5.0	e3040	e3520	3990	1340	258	1500	238	140	1320	317	456
12	e5.0	e2880	e3640	3900	1760	244	2270	180	186	1210	368	365
13	e4.5	e2700	e3520	4210	1910	236	2390	140	186	1020	402	304
14	e4.0	e2570	e3410	4650	1740	223	2120	118	228	860	408	263
15	e3.0	e2500	e3270	4650	1470	205	2220	108	328	791	394	237
16	e5.0	e2440	e3040	4350	1330	187	2450	100	439	894	372	209
17	e25	e2280	2880	4030	1460	171	2470	92	509	1120	361	176
18	e115	e2070	2330	3840	1650	157	2170	85	493	1420	359	150
19	e595	e1760	1840	3710	1600	145	1690	82	396	1710	372	153
20	e385	e1620	1460	3590	1370	135	1280	79	283	1850	399	201
21	e625	e1160	1230	3450	1180	130	1020	83	188	1860	416	e249
22	e527	e1080	1130	3220	1070	177	809	98	128	1650	430	260
23	e313	e1240	1060	2750	960	398	615	110	99	1340	441	239
24	e255	e1980	1070	2210	846	686	447	117	92	e1100	447	200
25	e180	e2160	1130	1810	773	826	329	118	92	885	439	194
26	e115	e1740	1530	1510	720	958	255	108	90	708	436	250
27	e74	e2120	2210	1290	679	1210	210	99	89	572	502	326
28	e55	e2510	2210	1140	620	1560	192	101	95	460	707	357
29	e35	e3030	1870	1030	---	1790	185	106	119	369	966	436
30	e65	e3510	1560	945	---	1930	211	104	142	302	1170	560
31	e75	---	1410	854	---	2320	---	93	---	249	1320	---
TOTAL	3511.5	64985	83670	90829	30880	17613	45143	9993	4970	26656	13490	17042
MEAN	113	2166	2699	2930	1103	568	1505	322	166	860	435	568
MAX	625	3510	4320	4650	1910	2320	2780	1260	509	1860	1320	1600
MIN	2.5	215	1060	854	620	130	185	79	52	151	216	150
AC-FT	6970	128900	166000	180200	61250	34940	89540	19820	9860	52870	26760	33800

WHITE RIVER BASIN

07077500 CACHE RIVER AT PATTERSON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928-31, 1937-60, 1966-77, 1998-05, BY WATER YEAR (WY)

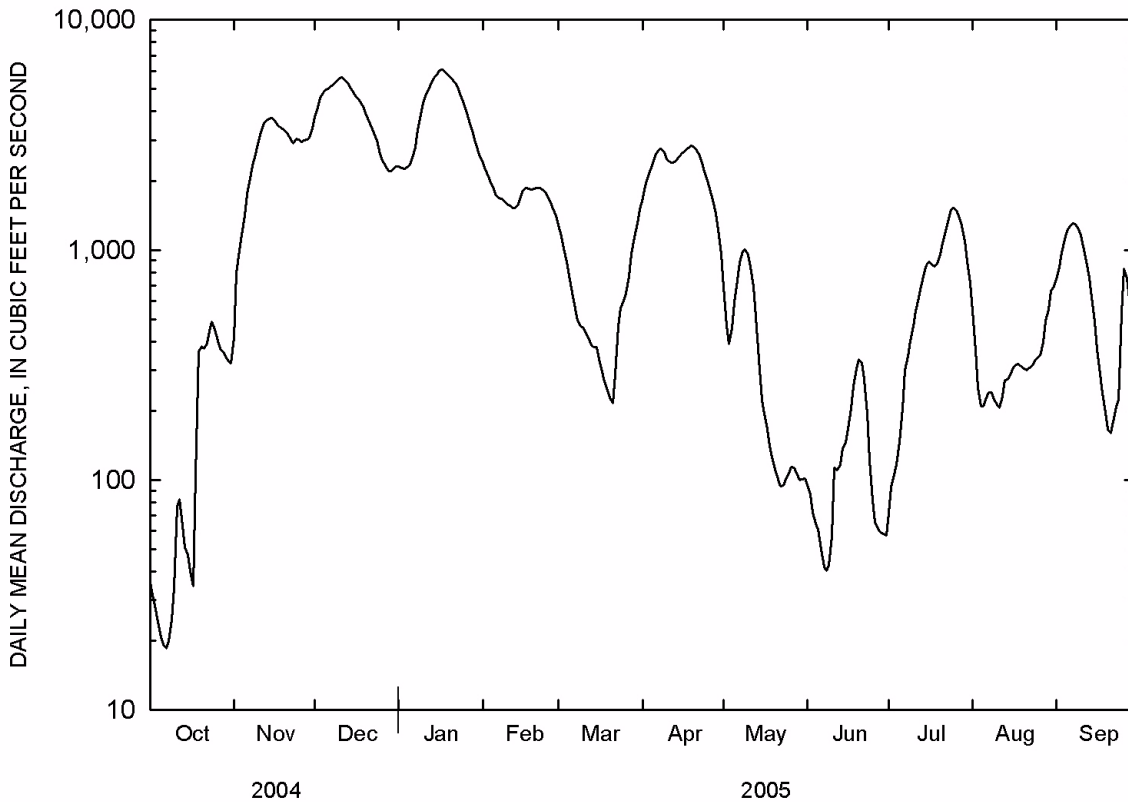
MEAN	389	741	1561	1973	2144	2199	1963	1592	876	501	467	440
MAX	3100	5297	6168	8809	8817	5770	7586	6075	5890	2093	3009	2210
(WY)	1985	1958	1958	1950	1950	1945	1979	1973	1928	1945	1998	1965
MIN	8.32	16.3	67.3	37.8	68.6	168	133	150	67.7	57.6	47.1	45.5
(WY)	1988	1972	1954	1964	1963	1941	1981	1941	1941	1954	1944	1943

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1928-31, 1937-60, 1966-77, 1998-05

ANNUAL TOTAL	423325.5		408782.5		1238	
ANNUAL MEAN	1157		1120		2984 1950	
HIGHEST ANNUAL MEAN					308 1931	
LOWEST ANNUAL MEAN					12100 Jun 27 1928	
HIGHEST DAILY MEAN	4520	May 5	4650	Jan 14	0.00	Oct 27 1956
LOWEST DAILY MEAN	2.5	Oct 5	2.5	Oct 5	0.00	Oct 24 1978
ANNUAL SEVEN-DAY MINIMUM	4.0	Oct 4	4.0	Oct 4	0.00	Oct 27 1956
MAXIMUM PEAK FLOW			4720	Jan 14	13200	Jan 24 1937
MAXIMUM PEAK STAGE			10.77	Jan 14	¹ 13.21	Jan 24 1937
INSTANTANEOUS LOW FLOW					0.00	Oct 27 1956
ANNUAL RUNOFF (AC-FT)	839700		810800		896900	
10 PERCENT EXCEEDS	3060		3070		3600	
50 PERCENT EXCEEDS	744		683		450	
90 PERCENT EXCEEDS	46		87		67	

¹At present datum

^eEstimated



WHITE RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfluS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004 20...	0830	80513	80020	E420	30	765	7.5	81	7.8	344	19.2	130	32.3
DEC 13...	1440	80513	80020	E3510	10	782	8.9	76	7.3	83	9.2	26	6.31
FEB 2005 09...	1030	80513	80020	1020	40	771	9.8	83	7.5	110	8.5	34	8.68
APR 12...	1130	80513	80020	2300	30	762	6.7	70	7.3	74	17.4	23	5.78
JUN 01...	0845	80513	80020	82	30	764	6.5	77	7.2	250	23.8	82	20.5
AUG 16...	1000	80513	80020	373	30	770	5.4	70	7.8	483	29.3	210	54.3

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 2004 20...	11.5	5.43	.6	16.6	21	11.9	.2	24.2	206	.89	--	<.04	--
DEC 13...	2.47	3.67	.3	3.77	21	2.74	E.1	3.1	62	.66	--	<.04	--
FEB 2005 09...	3.11	3.56	.4	5.61	24	3.64	E.1	5.0	77	.97	.07	.06	1.51
APR 12...	2.10	2.81	.3	3.49	22	2.33	E.1	5.6	47	1.1	--	<.04	--
JUN 01...	7.45	5.21	.6	12.9	24	12.1	.2	25.8	159	.95	--	<.04	--
AUG 16...	17.9	2.75	.7	22.5	19	11.4	.3	30.5	299	.64	--	<.04	--

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)
OCT 2004 20...	--	.13	--	E.004	--	.239	.08	.10	.18	1.0	330	780	436
DEC 13...	--	E.04	--	<.008	--	.150	.05	.07	.17	--	79	81	52
FEB 2005 09...	.34	.35	.030	.009	.91	.123	.04	.05	.21	1.3	92	230	1430
APR 12...	--	.28	--	E.004	--	.218	.07	.08	.29	1.4	E1600	700	980
JUN 01...	--	<.06	--	<.008	--	.064	.02	E.03	.16	--	E15	E28	74
AUG 16...	--	.06	--	<.008	--	.236	.08	.11	.14	.71	35	42	--

Date	Suspnd. sediment, sieve diameter <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004 20...	96	78	--	3070
DEC 13...	95	67	--	3052
FEB 2005 09...	96	73	201	8010
APR 12...	98	91	565	3070
JUN 01...	91	60	13	8010
AUG 16...	96	35	35	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

WHITE RIVER BASIN

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 mi², of which an estimated 20 mi² is probably noncontributing.

PERIOD OF RECORD.--May 1987 to current year.

REVISED RECORDS.--WDR Ark. 1989: 1988(M).

GAGE.--Water-stage recorder. Datum of gage is 164.17 ft above NGVD of 1929. Non-recording gage Oct. 10, 1989 to Sept. 27, 1990 at same site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	415	3770	2310	2400	1280	1680	692	95	72	544	745
2	31	792	4180	2270	2240	1140	1890	470	86	93	367	844
3	27	999	4590	2250	2090	1010	2060	390	72	105	252	978
4	24	1160	4820	2280	1960	889	2240	456	64	117	209	1110
5	21	1410	4960	2340	1840	773	2430	589	61	147	209	1210
6	19	1740	5020	2510	1720	655	2610	738	50	204	227	1270
7	18	2040	5180	2800	1680	557	2740	884	42	301	241	1310
8	20	2320	5250	3330	1660	497	2750	985	40	346	239	1290
9	25	2600	5380	3860	1630	467	2650	1010	42	402	224	1240
10	34	2890	5560	4380	1590	463	2500	952	57	466	212	1160
11	76	3260	5620	4750	1550	439	2410	839	113	543	206	1040
12	83	3540	5520	4980	1520	415	2400	692	110	620	230	894
13	64	3660	5340	5340	1520	386	2410	511	117	694	271	754
14	51	3710	5110	5580	1580	377	2490	333	137	793	274	621
15	47	3740	4860	5780	1710	379	2590	222	146	862	292	486
16	40	3680	4670	6010	1810	334	2650	194	167	887	306	368
17	34	3530	4530	6070	1860	296	2710	174	205	861	318	289
18	105	3420	4360	5970	1850	267	2780	141	256	846	320	237
19	362	3370	4150	5780	1830	245	2840	125	306	e877	311	197
20	380	3290	3870	5620	1840	228	2810	112	334	955	304	166
21	373	3190	3610	5460	1860	215	2710	101	325	1070	301	159
22	394	3030	3420	5270	1850	287	2560	94	274	1210	308	180
23	444	2910	3170	5000	1830	467	2390	95	195	1370	315	207
24	487	3050	e3000	4680	1780	561	2190	100	122	1490	330	222
25	451	3010	e2600	4350	1710	602	2010	107	82	1520	341	532
26	404	2960	e2450	3960	1610	649	1840	114	66	1480	346	831
27	373	2990	2320	3640	1510	769	1640	113	62	1410	395	759
28	361	3020	2210	3320	1410	958	1440	107	59	1280	491	613
29	346	3070	2200	3010	---	1140	1230	100	58	1090	551	589
30	327	3380	2260	2740	---	1310	956	101	57	895	664	596
31	322	---	2310	2560	---	1500	---	101	---	718	696	---
TOTAL	5779	82176	126290	128200	49440	19555	68606	11642	3800	23724	10294	20897
MEAN	186	2739	4074	4135	1766	631	2287	376	127	765	332	697
MAX	487	3740	5620	6070	2400	1500	2840	1010	334	1520	696	1310
MIN	18	415	2200	2250	1410	215	956	94	40	72	206	159
AC-FT	11460	163000	250500	254300	98060	38790	136100	23090	7540	47060	20420	41450
CFSM	0.16	2.34	3.48	3.53	1.51	0.54	1.95	0.32	0.11	0.65	0.28	0.59
IN.	0.18	2.61	4.01	4.07	1.57	0.62	2.18	0.37	0.12	0.75	0.33	0.66

WHITE RIVER BASIN

07077555 CACHE RIVER NEAR COTTON PLANT--CONTINUED

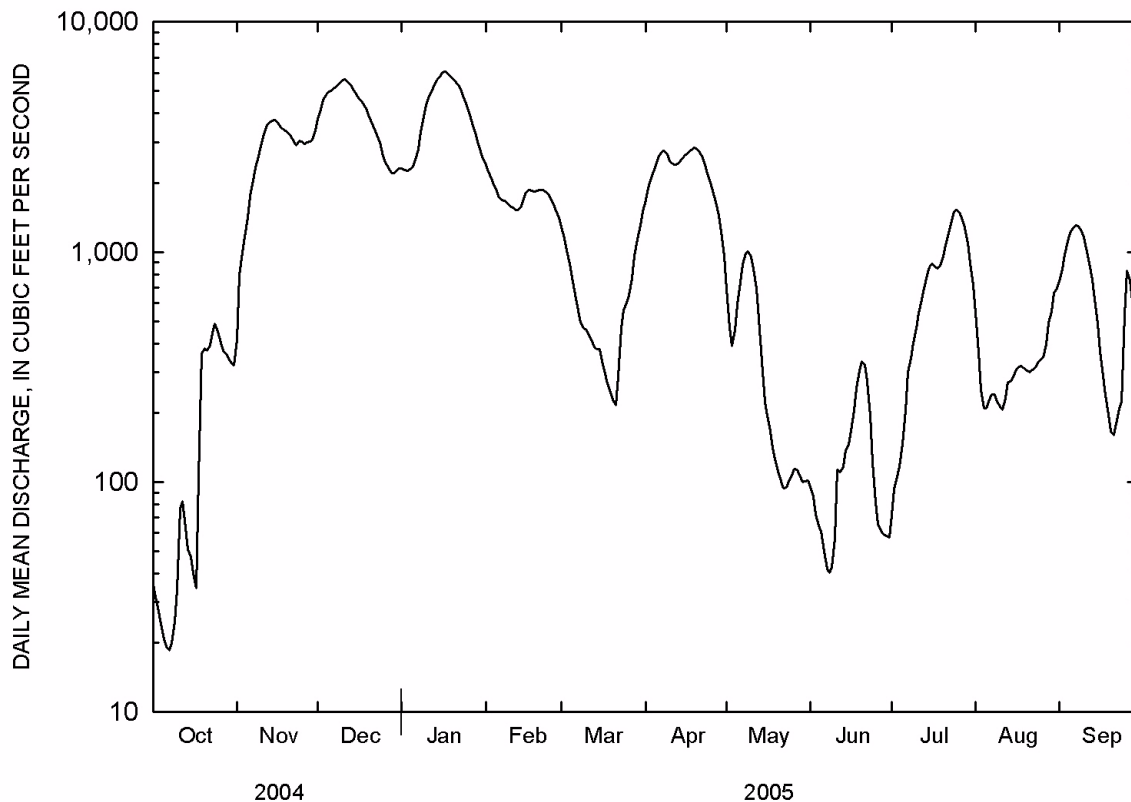
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	558	1018	2247	2387	2263	2286	1696	1342	771	686	722	536
MAX	2067	3211	5102	6779	5238	5759	3585	3595	2026	1413	2591	1570
(WY)	1991	1997	2002	1991	1989	1989	1997	1991	2000	1994	1998	2003
MIN	55.9	16.6	44.9	579	377	303	515	217	116	274	332	201
(WY)	1988	2000	1990	2001	2000	1996	1995	1987	1988	1990	2005	1987

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1987 - 2005	
ANNUAL TOTAL	522888		550403			
ANNUAL MEAN	1429		1508		1383	
HIGHEST ANNUAL MEAN					2356 1989	
LOWEST ANNUAL MEAN					560 1996	
HIGHEST DAILY MEAN	5620	Dec 11	6070	Jan 17	9770	Dec 28 1987
LOWEST DAILY MEAN	18	Oct 7	18	Oct 7	7.8	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	22	Oct 3	22	Oct 3	8.6	Oct 28 2000
MAXIMUM PEAK FLOW			6130	Jan 17	9950	Dec 28 1987
MAXIMUM PEAK STAGE			19.12	Jan 17	20.23	Dec 21 2001
INSTANTANEOUS LOW FLOW			18	Oct 7-8	7.8	¹ Dec 1 1999
ANNUAL RUNOFF (AC-FT)	1037000		1092000		1002000	
ANNUAL RUNOFF (CFSM)	1.22		1.29		1.18	
ANNUAL RUNOFF (INCHES)	16.60		17.47		16.04	
10 PERCENT EXCEEDS	3600		3860		3410	
50 PERCENT EXCEEDS	984		877		807	
90 PERCENT EXCEEDS	139		95		135	

¹Also November 1-2, 2000

^eEstimated



WHITE RIVER BASIN

193

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1939 to May 1973, August 1973 to September 1977, October 1997 to current year in reports of the U.S. 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.--WDR Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 187.71 ft above NGVD of 1929. Non-recording gage prior to Nov. 8, 1949. At datum 0.26 ft below NGVD of 1929 prior to Jan. 1, 1952.

REMARKS.--Water-discharge records good except estimated daily discharges and discharges below 10 ft³/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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.49	341	1900	967	206	201	1580	715	0.00	0.00	0.00	1310
2	0.00	1040	e2050	974	248	208	1550	838	0.00	7.4	0.00	1290
3	0.00	1400	e2180	1080	285	177	1500	858	0.00	32	0.00	1240
4	0.00	1640	e2160	1310	302	149	1420	663	0.00	35	0.00	1160
5	0.00	1740	e2090	1460	331	125	1230	405	0.00	181	0.00	1000
6	0.00	1770	e2020	1610	359	123	964	240	0.00	443	0.00	739
7	0.00	1790	e1960	1720	597	99	805	142	0.00	365	0.00	492
8	0.00	1810	e1950	1840	900	94	856	93	0.00	229	0.00	314
9	0.00	1780	e2050	1890	1050	119	944	81	0.00	134	0.00	207
10	0.00	1740	2190	1910	1090	148	973	78	14	77	0.00	143
11	0.24	1710	2140	1900	1030	163	1030	71	72	50	0.00	94
12	3.4	1620	2080	1890	886	136	1380	56	79	71	0.00	61
13	e3.5	1480	2010	1970	766	100	1560	41	64	156	0.00	37
14	e3.5	1310	1910	2010	798	79	1600	35	42	116	0.00	e24
15	e3.5	1010	1710	1990	878	64	1580	36	9.8	43	0.00	20
16	3.5	717	1350	1950	897	49	1530	32	0.00	7.9	0.00	8.3
17	1.0	527	995	1890	832	37	1450	26	0.00	24	0.00	0.16
18	0.84	385	743	1820	680	32	1230	15	0.00	55	0.00	0.00
19	78	325	565	1740	538	37	871	12	0.00	46	0.00	0.00
20	163	344	434	1580	423	31	587	7.7	0.00	46	0.00	0.00
21	114	318	350	1260	404	21	402	0.12	0.00	60	0.00	0.00
22	58	262	447	946	436	213	286	0.00	0.00	78	0.00	0.00
23	49	437	726	715	404	803	215	0.00	0.00	67	0.00	0.00
24	136	1140	904	539	428	973	158	0.00	0.00	54	0.00	0.00
25	133	1430	942	407	365	1040	103	0.00	0.00	46	7.0	23
26	88	1590	812	320	287	1000	78	0.00	0.00	6.1	58	215
27	65	1660	632	260	230	1030	67	0.00	0.00	0.00	247	525
28	44	1700	513	215	207	1350	57	0.00	0.00	0.00	742	456
29	21	1730	515	193	---	1530	53	0.00	0.00	0.00	1020	281
30	9.7	1820	736	184	---	1580	320	0.00	0.00	0.00	1220	193
31	68	---	911	183	---	1580	---	0.00	---	0.00	1290	---
TOTAL	1046.67	36566	41975	38723	15857	13291	26379	4444.82	280.80	2429.40	4584.00	9832.46
MEAN	33.8	1219	1354	1249	566	429	879	143	9.36	78.4	148	328
MAX	163	1820	2190	2010	1090	1580	1600	858	79	443	1290	1310
MIN	0.00	262	350	183	206	21	53	0.00	0.00	0.00	0.00	0.00
AC-FT	2080	72530	83260	76810	31450	26360	52320	8820	557	4820	9090	19500
CFSM	0.08	2.90	3.22	2.97	1.35	1.02	2.09	0.34	0.02	0.19	0.35	0.78
IN.	0.09	3.23	3.71	3.42	1.40	1.17	2.33	0.39	0.02	0.21	0.41	0.87

WHITE RIVER BASIN

07077700 BAYOU DEVIEW NEAR MORTON--CONTINUED

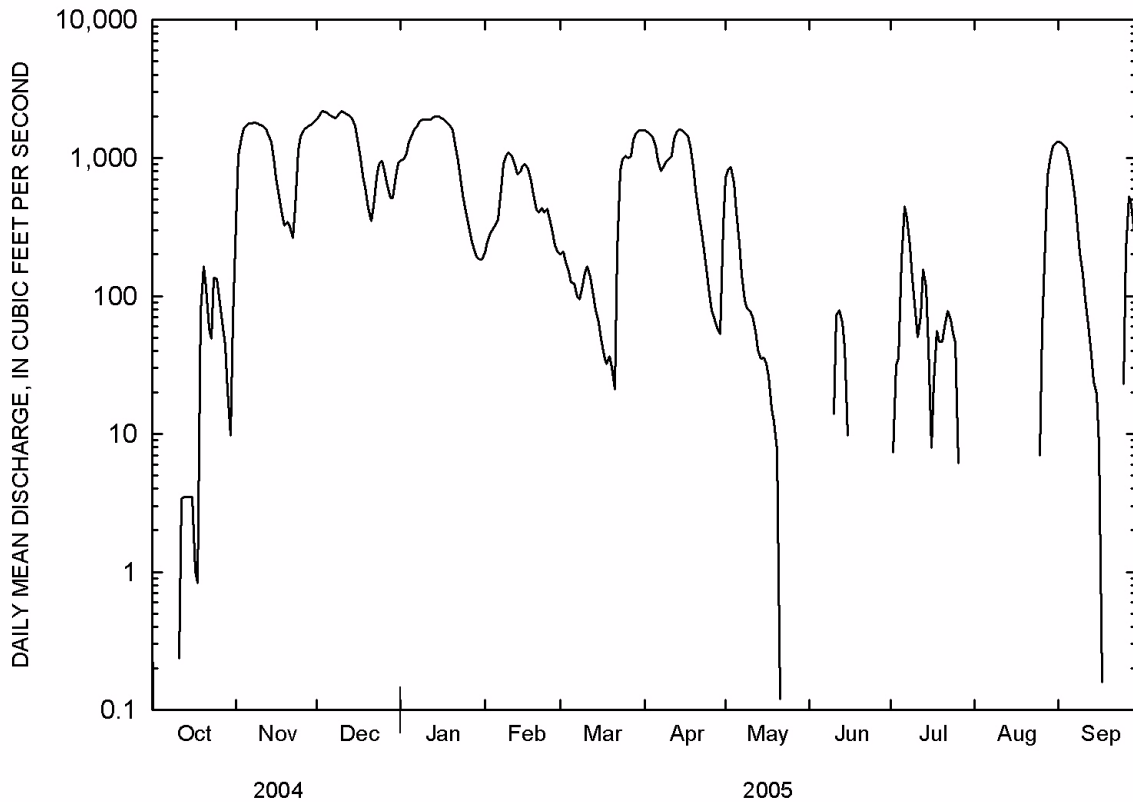
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-77, 1998-05, BY WATER YEAR (WY)

MEAN	121	362	654	872	1000	972	753	561	303	161	207	208
MAX	1798	2811	2515	3917	3837	2658	1981	2389	2173	682	1020	1073
(WY)	1950	1958	2002	1950	1956	1945	1957	1958	1945	1967	1966	1965
MIN	0.00	0.00	0.00	12.8	2.96	44.2	24.2	5.55	4.47	0.00	0.06	0.00
(WY)	1957	1954	1963	1964	1963	1941	1963	1948	1941	1954	1947	1943

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1939-77, 1998-05

ANNUAL TOTAL	191070.46		195409.15				
ANNUAL MEAN	522		535		501		
HIGHEST ANNUAL MEAN					1312 1950		
LOWEST ANNUAL MEAN					141 1941		
HIGHEST DAILY MEAN	2190	Dec 10	2190	Dec 10	6640	Nov 23 1957	
LOWEST DAILY MEAN	0.00	May 29	0.00	Oct 2	0.00	Aug 7 1943	
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 2	0.00	Oct 2	0.00	Aug 7 1943	
MAXIMUM PEAK FLOW			2230	Dec 9	6700	Nov 23 1957	
MAXIMUM PEAK STAGE			18.13	Dec 9	18.79	Dec 25 2001	
INSTANTANEOUS LOW FLOW			0.00 at times		0.00	at times	
ANNUAL RUNOFF (AC-FT)	379000		387600		363000		
ANNUAL RUNOFF (CFSM)	1.24		1.27		1.19		
ANNUAL RUNOFF (INCHES)	16.88		17.27		16.17		
10 PERCENT EXCEEDS	1700		1710		1720		
50 PERCENT EXCEEDS	230		184		112		
90 PERCENT EXCEEDS	3.5		0.00		0.00		

Estimated



WHITE RIVER BASIN

07077700 BAYOU DEVIEW NEAR MORTON--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, field, units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004 20...	0930	80513	80020	169	30	765	3.1	34	7.2	285	19.3	96	25.3
DEC 13...	1600	80513	80020	1990	40	782	9.2	77	7.2	104	8.6	38	9.49
FEB 2005 09...	0900	80513	80020	1050	10	769	9.0	78	7.5	107	9.8	34	8.76
APR 13...	1030	80513	80020	1560	20	764	6.8	69	6.9	67	16.2	21	5.37
JUN 01...	0930	80513	80020	.00	30	764	5.0	60	7.0	175	24.2	56	14.4

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)
OCT 2004 20...	8.02	10.6	.5	10.9	18	17.2	.2	24.1	179	1.2	--	<.04	.460
DEC 13...	3.38	5.16	.3	4.34	18	4.07	.1	4.3	76	.74	--	E.02	--
FEB 2005 09...	2.93	4.14	.4	5.05	22	4.32	.1	7.3	77	1.4	.11	.08	2.56
APR 13...	1.74	2.40	.3	2.90	21	2.12	.1	4.9	49	1.3	--	E.04	--
JUN 01...	4.77	5.08	.5	9.28	25	7.98	.2	9.1	120	1.2	--	E.02	--

Date	Nitrate, water, fltrd, mg/L as N (00618)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L (71856)	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd, mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, MF, water, col/100 mL (31633)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)	Fecal streptococci, KF, col/100 mL (31673)
OCT 2004 20...	.10	.11	.033	.010	--	.423	.14	.17	.30	1.3	420	350	316
DEC 13...	--	E.04	--	<.008	--	.196	.06	.09	.19	--	E13	20	76
FEB 2005 09...	.58	.59	.033	.010	1.3	.270	.09	.11	.38	2.0	560	1000	2450
APR 13...	--	.13	--	E.005	--	.178	.06	.07	.34	1.4	1700	700	1900
JUN 01...	--	<.06	--	<.008	--	.095	.03	.04	.26	--	E2	E13	82

Date	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004 20...	88	82	37	3070
DEC 13...	91	49	263	3052
FEB 2005 09...	98	177	502	3052
APR 13...	98	184	775	3052
JUN 01...	96	101	--	8010

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

07194760 ILLINOIS RIVER NEAR VINEY GROVE

LOCATION.--Lat 36°03'16", long 94°19'06", in NW1/4NW1/4 sec.19, T.16 N., R.31 W., Washington County, Hydrologic Unit 11110103, at bridge on Goose Creek Road, 3.0 mi northeast of Viney Grove.

PERIOD OF RECORD.--August 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date as fltrd,	Agency collecting Time	Agency ana-lyzing sample,	Sam-pling method,	Turbdty white light, det ang 90+/-30 pres- corrctd	Baro- metric pres- sure,	Dis- solved oxygen,	pH, unfltrd field,	Specif. conduc- tance, wat unf std	Temper- ature, uS/cm	Hard- ness, water,	Calcium water,
	code	code	code	NTRU	mm Hg	mg/L	uration units	25 degC	deg C	CaCO3	mg/L
	(00027)	(00028)	(82398)	(63676)	(00025)	(00300)	(00301)	(00400)	(00095)	(00010)	(00900)

(0915)

AUG 2005 31...

1430	80513	80020	30	3.9	746	6.3	76	7.8	358	23.6	160	61.0
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Date mg/L	Magnes- ium, water, fltrd,	Potas- sium, water, fltrd,	Sodium adsorp- tion	Sodium, water, fltrd,	Chlor- ide, water, fltrd,	Fluor- ide, water, fltrd,	Sulfate water, fltrd,	Residue on evap. at 180degC	Residue fixed at non- deg. C filter- able,	Residue total at 105 deg. C sus- pended,	Residue vola- tile, sus- pended,	Ammonia + org-N, water, unfltrd
	mg/L	mg/L	ratio	mg/L	percent	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L as N
	(00925)	(00935)	(00931)	(00930)	(00932)	(00940)	(00950)	(00945)	(70300)	(00540)	(00530)	(00535)

(00625)

AUG 2005 31...

2.24	2.91	.3	8.03	10	10.3	E.1	5.4	207	69	132	63	.21
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Date mg/L as N	Ammonia nitrate water, fltrd,	Nitrite + nitrate water, fltrd,	Nitrite water, fltrd,	Ortho- phos- phosphate, water, fltrd,	Phos- phorus, water, fltrd,	Phos- phorus, water, unfltrd	Total nitro- gen, water, unfltrd	Biomass phyto- plank- ton, ashfree drymass	Biomass plank- ton, ash wgt	Biomass plank- ton, dry wgt	E coli, m-TEC MF, col/ 100 mL	Fecal coli- form, M-FC col/ 100 mL	Suspnd. sedi- ment, sieve diametr <.063mm
	mg/L	mg/L	mg/L	mg/L as P	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	col/ 100 mL	col/ 100 mL	percent
	(00608)	(00631)	(00613)	(00671)	(00666)	(00665)	(00600)	(49953)	(81353)	(81354)	(31633)	(31625)	

(70331)

AUG 2005 31...

<.04	2.14	E.007	E.01	E.03	.05	2.4	6.6	329	336	64	97	75
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Date	Sus- pended sedi- ment concen- tration mg/L	Sampler type, code
	(80154)	(84164)

AUG 2005 31...

13	3070
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Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

197

07194800 ILLINOIS RIVER AT SAVOY

LOCATION.--Lat 36°06'11", long 94°20'40", 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.--July 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.

REVISED RECORDS.--WDR Ark. 2000: 1986 (M) (P), 1997-99 (M)

GAGE.--Water-stage recorder. Datum of gage is 1,017.90 ft above NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	1450	389	31	103	160	202	72	23	13	6.8	6.4
2	9.7	440	269	33	109	136	290	63	22	14	6.6	6.3
3	9.6	258	207	1270	148	119	201	57	21	12	6.5	6.4
4	9.4	256	167	2980	141	108	154	51	20	11	6.0	7.7
5	9.3	172	178	3770	127	97	128	47	25	11	6.3	7.7
6	8.8	123	336	1660	123	85	946	45	33	11	6.2	7.5
7	9.0	90	1290	929	176	83	707	42	58	11	7.3	7.0
8	11	67	538	605	164	82	451	41	28	10	5.9	7.3
9	11	51	371	455	147	74	349	45	24	10	5.7	7.0
10	11	42	284	374	127	66	292	43	21	9.6	5.5	6.8
11	12	369	222	335	110	59	1540	39	20	11	5.3	6.7
12	11	246	186	623	104	53	686	34	19	9.9	5.3	7.1
13	11	158	154	3360	154	47	460	32	25	9.4	5.3	7.6
14	10	114	127	991	159	42	364	46	24	9.2	6.7	9.6
15	10	89	110	587	130	40	297	44	21	9.1	7.5	60
16	11	73	99	436	109	37	249	37	20	9.5	7.1	15
17	11	60	89	354	94	35	212	32	47	9.5	6.8	9.8
18	10	82	81	305	84	33	187	29	29	9.7	7.0	8.4
19	10	199	72	271	79	31	165	28	21	8.6	6.7	8.0
20	10	136	63	244	79	28	147	26	18	8.3	8.7	7.7
21	10	105	58	220	139	37	130	24	17	7.8	8.2	7.7
22	10	88	51	191	161	180	117	24	15	7.7	7.0	7.9
23	13	76	45	159	282	144	104	83	15	12	6.8	7.7
24	12	366	40	148	371	106	90	68	14	24	6.6	7.8
25	11	341	38	138	269	110	85	66	14	8.9	6.3	9.0
26	11	222	36	126	215	109	82	46	13	7.7	6.5	9.6
27	11	262	35	111	185	118	77	35	13	11	6.7	9.0
28	26	241	34	105	188	145	85	31	12	9.0	6.6	9.2
29	20	219	33	127	---	121	97	28	12	7.9	6.5	15
30	14	457	34	122	---	98	82	26	11	7.3	6.5	12
31	16	---	32	113	---	78	---	24	---	7.0	6.5	---
TOTAL	357.7	6852	5668	21173	4277	2661	8976	1308	655	317.1	203.4	304.9
MEAN	11.5	228	183	683	153	85.8	299	42.2	21.8	10.2	6.56	10.2
MAX	26	1450	1290	3770	371	180	1540	83	58	24	8.7	60
MIN	8.8	42	32	31	79	28	77	24	11	7.0	5.3	6.3
AC-FT	709	13590	11240	42000	8480	5280	17800	2590	1300	629	403	605
CFSM	0.07	1.37	1.09	4.09	0.91	0.51	1.79	0.25	0.13	0.06	0.04	0.06
IN.	0.08	1.53	1.26	4.72	0.95	0.59	2.00	0.29	0.15	0.07	0.05	0.07

ARKANSAS RIVER BASIN

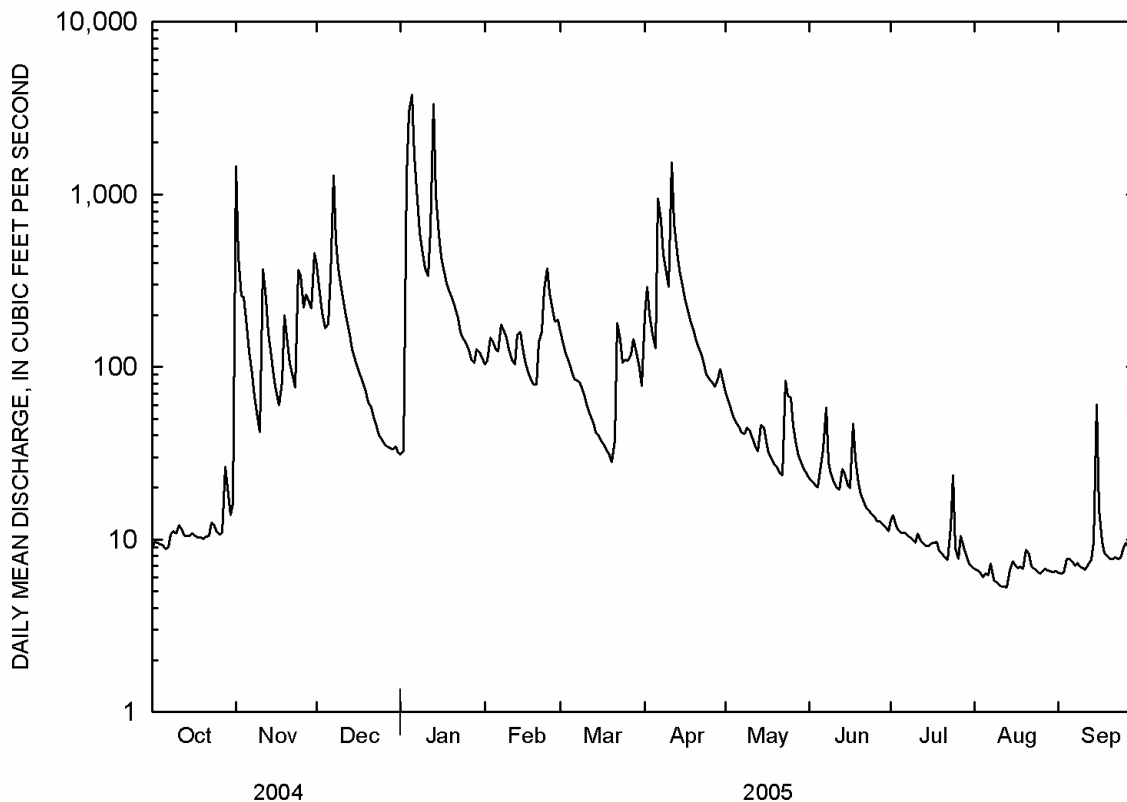
07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-82, 1986, 1995-05, BY WATER YEAR (WY)

MEAN	46.0	199	149	208	203	215	290	186	188	63.8	30.6	53.5
MAX	180	981	532	882	720	608	1020	519	1166	322	136	392
(WY)	1999	1997	2002	1998	2001	1998	2004	1999	2000	2004	2002	1986
MIN	10.1	12.4	12.0	6.68	18.3	44.6	39.5	32.7	21.8	5.43	2.23	3.73
(WY)	2000	2000	1980	1981	1980	1996	2003	1997	2005	1980	1980	1980

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1979-82, 1986
1995-05

ANNUAL TOTAL	76797.8		52753.1		154		1986	
ANNUAL MEAN	210		145		245		1980	
HIGHEST ANNUAL MEAN					33.7		1980	
LOWEST ANNUAL MEAN					12400		Apr 24 2004	
HIGHEST DAILY MEAN	12400	Apr 24	3770	Jan 5	12400	Apr 24	2004	
LOWEST DAILY MEAN	7.9	Sep 23	5.3	Aug 11	1.8	Aug 10	1980	
ANNUAL SEVEN-DAY MINIMUM	8.7	Sep 20	5.7	Aug 8	1.9	Aug 22	1980	
MAXIMUM PEAK FLOW			7250		39800		Apr 24 2004	
MAXIMUM PEAK STAGE			13.68		19.63		Apr 24 2004	
INSTANTANEOUS LOW FLOW			5.0		1.6		Aug 11 1980	
ANNUAL RUNOFF (AC-FT)	152300		104600		111700			
ANNUAL RUNOFF (CFSM)	1.26		0.865		0.923			
ANNUAL RUNOFF (INCHES)	17.11		11.75		12.55			
10 PERCENT EXCEEDS	336		300		302			
50 PERCENT EXCEEDS	83		41		42			
90 PERCENT EXCEEDS	11		7.2		9.8			



ARKANSAS RIVER BASIN

07194800 ILLINOIS RIVER AT SAVOY--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
NOV 2004 09...	1400	80513	80020	51	30	--	739	7.4	73	8.0	288	13.6	130
JAN 2005 19...	0930	80513	80020	273	30	--	753	9.7	80	7.9	255	6.5	110
MAR 10...	0745	80513	80020	68	30	--	746	10.0	87	8.1	271	8.5	120
APR 28...	1600	80513	80020	84	30	--	742	10.3	112	8.3	282	18.2	130
JUN 22...	1130	80513	80020	15	30	--	755	8.9	108	7.8	316	24.3	140
AUG 31...	1245	80513	80020	6.6	30	3.2	747	5.4	67	7.8	305	25.0	140

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Residue on evap. at 180degC (70300)	Residue fixed non-filterable, mg/L (00540)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue volatile, suspended, mg/L (00535)
NOV 2004 09...	47.2	2.89	3.45	.2	5.20	8	7.84	E.1	13.9	180	--	--
JAN 2005 19...	41.5	2.61	2.60	.2	4.56	8	7.41	E.1	11.6	142	--	--
MAR 10...	44.0	2.78	2.21	.2	5.39	9	7.55	E.1	14.4	146	--	--
APR 28...	48.0	2.80	2.31	.2	5.33	8	7.41	E.1	11.6	173	--	--
JUN 22...	52.7	2.72	3.10	.2	6.60	9	8.32	E.1	10.4	185	--	--
AUG 31...	50.8	2.43	3.65	.3	6.81	9	9.96	E.1	4.8	184	8	14

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (71851)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (71856)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Biomass phytoplankton, ashfree drymass mg/L (49953)	
NOV 2004 09...	.29	<.04	--	--	2.40	--	E.004	--	<.02	.05	.08	2.7	--
JAN 2005 19...	.22	<.04	--	--	3.68	--	E.005	.110	.04	.05	.07	3.9	--
MAR 10...	.26	<.04	--	--	1.82	--	E.005	--	<.02	<.04	E.02	2.1	--
APR 28...	.28	<.04	9.12	2.06	2.08	.049	.015	--	<.02	<.04	E.03	2.4	--
JUN 22...	.26	E.02	--	--	1.12	--	E.006	.086	.03	.05	.06	1.4	--
AUG 31...	.26	<.04	--	--	.41	--	E.005	.071	.02	.04	.06	.67	<3.8

Date	Biomass plankton, ash wgt mg/L (81353)	Biomass plankton, dry wgt mg/L (81354)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)	Fecal streptococci KF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 09...	--	--	180	200	169	--	--	97	40	5.5	8010
JAN 2005 19...	--	--	110	82	122	--	--	96	38	28	8010
MAR 10...	--	--	120	E170	47	--	--	82	6	1.1	8010
APR 28...	--	--	120	170	44	--	--	87	7	1.6	8010
JUN 22...	--	--	46	50	58	--	--	90	11	.45	8010
AUG 31...	164	168	58	62	--	1.2	<.1	92	6	.11	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

07194809 MUD CREEK TRIBUTARY AT TOWNSHIP STREET AT FAYETTEVILLE

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

DRAINAGE AREA.--1.22 mi².

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

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	6.9	0.53	e0.52	0.34	0.36	0.69	e0.18	e0.08	0.30	0.00	0.01
2	0.24	0.46	0.48	e0.51	0.42	0.36	0.46	e0.18	e0.08	0.02	0.01	0.01
3	0.10	0.59	0.49	e6.5	0.42	0.36	0.42	e0.16	e0.07	0.02	0.01	0.20
4	0.08	0.46	0.50	e8.7	0.40	0.35	0.41	e0.17	e0.07	0.02	0.01	0.02
5	e0.08	0.41	0.69	e9.8	0.39	0.35	1.2	e0.18	0.43	0.01	0.01	0.01
6	e0.08	0.37	3.6	e2.5	0.44	0.34	0.99	e0.18	1.5	0.01	0.64	0.01
7	e0.23	0.34	0.91	e1.5	0.41	0.37	0.59	e0.18	0.40	0.01	0.08	0.01
8	0.32	0.32	0.56	e1.1	0.39	0.34	0.50	e0.58	0.29	0.01	e0.02	0.01
9	0.18	0.32	0.49	e0.90	0.37	0.33	0.46	e0.26	0.28	0.01	e0.01	0.01
10	0.19	0.80	0.45	e0.81	0.35	0.33	0.97	e0.24	0.04	0.01	e0.01	0.01
11	0.33	1.4	0.43	e0.80	0.34	0.35	7.6	e0.23	0.04	0.01	0.00	0.01
12	0.18	0.47	0.41	e6.2	0.38	0.37	0.61	e0.25	0.03	0.01	0.00	0.01
13	0.16	0.41	e0.44	e5.3	0.44	0.31	0.47	e0.25	0.41	e0.00	0.00	0.01
14	0.28	0.36	e0.40	e1.5	0.39	0.31	0.41	e1.7	0.03	e0.00	0.01	1.7
15	0.23	0.34	e0.37	e0.92	0.37	0.32	0.35	e0.26	0.03	e0.39	0.02	3.0
16	0.24	0.32	e0.38	e0.74	0.34	0.31	0.33	e0.12	0.16	0.03	0.02	0.03
17	0.26	0.33	e0.37	0.45	0.33	0.31	0.30	e0.11	4.6	0.02	0.13	0.02
18	0.29	0.98	e0.37	0.44	0.32	0.31	0.28	e0.11	0.34	0.01	0.03	0.02
19	0.31	0.49	e0.34	0.43	0.32	0.30	0.24	e0.16	0.07	0.01	0.02	0.02
20	0.28	0.45	e0.34	0.44	0.33	0.29	0.22	e0.21	0.06	0.01	0.02	0.02
21	0.29	0.41	e0.37	0.42	0.48	0.57	0.22	e0.20	0.05	e0.00	0.02	0.02
22	0.31	0.40	e0.35	0.38	0.36	0.40	0.19	e0.19	0.04	e0.00	0.01	0.02
23	0.33	0.39	e0.35	0.36	0.67	0.36	0.16	e4.3	0.03	e0.09	0.01	0.02
24	0.24	1.8	e0.33	0.38	0.47	0.34	0.16	0.38	0.03	0.02	0.01	0.02
25	0.23	0.51	e6.8	0.37	0.42	0.45	0.17	0.27	0.02	0.01	0.00	0.24
26	0.23	0.47	e2.1	0.35	0.40	0.39	0.20	0.11	0.01	e0.00	0.01	0.02
27	e0.23	0.52	e0.48	0.34	0.40	0.44	0.15	e0.11	0.01	0.04	0.01	0.02
28	0.95	0.46	e0.33	0.36	0.39	0.39	0.25	e0.10	0.01	0.02	0.01	0.23
29	0.37	0.67	e0.38	0.37	---	0.37	e0.32	e0.10	0.01	0.01	0.01	0.02
30	0.33	0.77	e0.43	0.36	---	0.35	e0.20	e0.09	0.01	e0.00	0.01	0.02
31	0.65	---	e0.46	0.34	---	0.34	---	e0.09	---	e0.00	0.01	---
TOTAL	8.41	22.92	24.93	54.09	11.08	11.07	19.52	11.65	9.23	1.10	1.16	5.77
MEAN	0.27	0.76	0.80	1.74	0.40	0.36	0.65	0.38	0.31	0.04	0.04	0.19
MAX	0.95	6.9	6.8	9.8	0.67	0.57	7.6	4.3	4.6	0.39	0.64	3.0
MIN	0.08	0.32	0.33	0.34	0.32	0.29	0.15	0.09	0.01	0.00	0.00	0.01
AC-FT	17	45	49	107	22	22	39	23	18	2.2	2.3	11

ARKANSAS RIVER BASIN

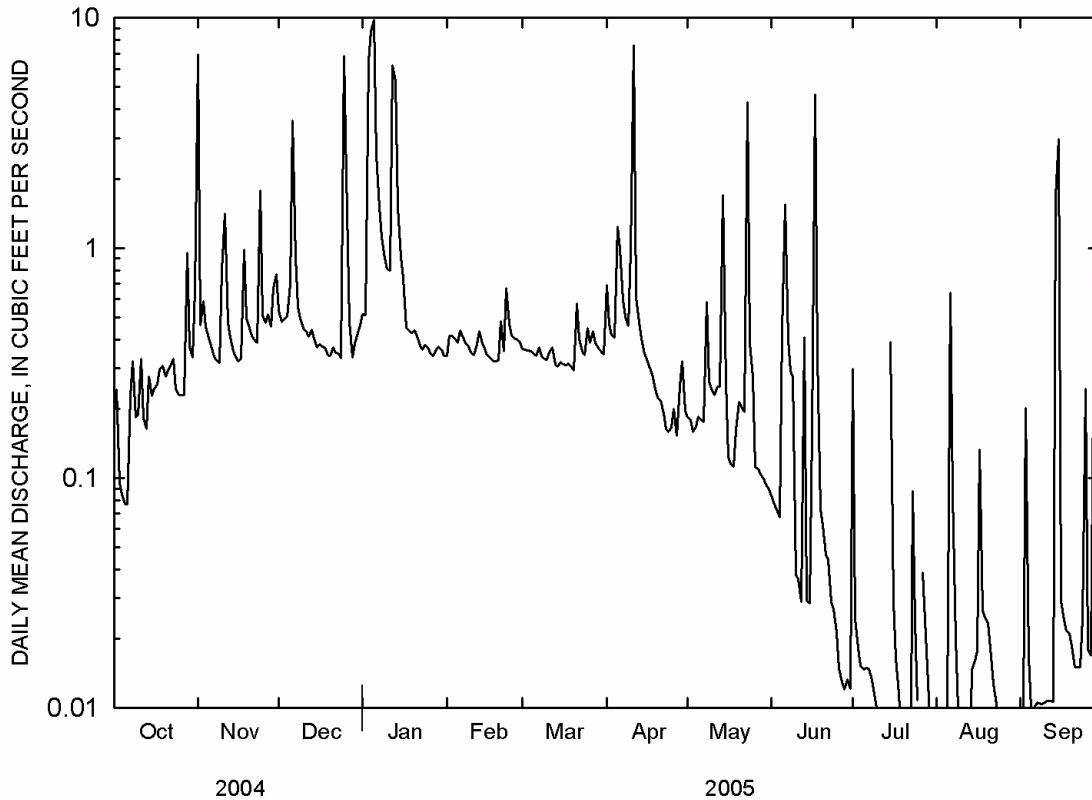
07194809 MUD CREEK TRIBUTARY AT TOWNSHIP STREET AT FAYETTEVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	0.74	1.13	0.95	1.43	1.44	2.06	1.47	1.21	1.45	0.43	0.25	0.39
MAX	3.07	4.92	2.39	6.53	3.68	7.02	3.64	2.15	5.50	1.79	0.79	1.08
(WY)	1999	1997	2002	1998	1997	1998	2002	2002	2000	2004	2002	1998
MIN	0.08	0.03	0.11	0.19	0.38	0.36	0.19	0.38	0.23	0.04	0.00	0.02
(WY)	2003	2003	1997	2003	2004	2005	2000	2005	1998	2005	2000	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1997 - 2005
ANNUAL TOTAL	291.78	180.93	
ANNUAL MEAN	0.80	0.50	1.08
HIGHEST ANNUAL MEAN			1.83 1998
LOWEST ANNUAL MEAN			0.50 2005
HIGHEST DAILY MEAN	35 Apr 24	9.8 Jan 5	80 Jan 4 1998
LOWEST DAILY MEAN	0.00 May 27	0.00 Jul 13	0.00 Sep 19 1996
ANNUAL SEVEN-DAY MINIMUM	0.00 Jun 4	0.01 Jul 29	0.00 Sep 28 1996
MAXIMUM PEAK FLOW		132 Jun 17	739 Jul 3 2004
MAXIMUM PEAK STAGE		2.00 Jun 17	5.15 Jul 3 2004
INSTANTANEOUS LOW FLOW		0.00 at times	0.00 at times
ANNUAL RUNOFF (AC-FT)	579	359	779
10 PERCENT EXCEEDS	1.2	0.69	2.4
50 PERCENT EXCEEDS	0.33	0.31	0.27
90 PERCENT EXCEEDS	0.00	0.01	0.00

Estimated



ARKANSAS RIVER BASIN

07194880 OSAGE CREEK NEAR CAVE SPRINGS

LOCATION.--Lat 36°16'53", long 94°13'40", in NE1/4NE1/4 sec.36, T.19 N., R.31 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 112, 1.4 mi north of Cave Springs.

DRAINAGE AREA.--34.7 mi².

PERIOD OF RECORD.--October 1990 to October 1993, May 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,131.59 ft above NGVD of 1929.

REMARKS.--Records are poor. Some regulation by city of Rogers sewage treatment facility, 1.5 mi upstream. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	1210	112	14	42	40	76	30	24	20	17	14
2	19	127	64	14	43	37	47	29	24	20	17	14
3	18	175	50	262	43	38	36	29	24	19	16	17
4	19	72	39	641	43	35	34	28	22	19	16	18
5	19	34	129	1170	40	32	36	26	26	18	16	16
6	19	26	281	330	42	33	109	26	25	19	16	16
7	20	23	614	194	47	31	67	26	24	18	16	15
8	22	22	242	143	45	31	46	26	23	17	17	15
9	22	20	154	105	46	33	40	26	23	17	16	15
10	21	20	109	80	44	32	36	27	21	17	15	14
11	22	58	83	65	42	30	487	26	20	17	16	14
12	22	23	69	295	41	30	139	25	20	17	15	15
13	23	20	53	715	53	29	83	25	42	16	15	15
14	22	19	44	202	47	30	67	33	165	16	43	17
15	21	18	40	132	47	30	54	26	32	16	23	43
16	20	18	36	104	46	30	50	26	29	17	25	21
17	20	17	31	87	44	29	46	27	28	17	21	18
18	21	32	27	80	41	28	45	25	27	17	20	17
19	21	24	27	71	40	28	44	24	25	e18	18	17
20	22	20	26	65	38	27	41	23	23	e18	17	17
21	21	18	25	61	39	30	40	22	22	e18	17	15
22	21	18	22	57	39	36	38	21	23	e18	17	15
23	22	17	21	57	63	35	37	194	21	e18	17	16
24	21	90	19	55	53	32	34	59	20	e18	17	16
25	21	29	17	53	47	45	36	42	20	e18	17	15
26	24	22	16	51	43	35	36	30	20	e20	16	15
27	24	543	16	49	42	37	34	29	21	30	15	16
28	185	108	16	48	42	37	34	27	20	21	15	15
29	36	329	16	46	---	36	33	26	19	20	15	16
30	30	233	15	43	---	34	31	25	19	19	15	15
31	138	---	15	43	---	32	---	25	---	17	14	---
TOTAL	955	3385	2428	5332	1242	1022	1936	1033	852	570	550	502
MEAN	30.8	113	78.3	172	44.4	33.0	64.5	33.3	28.4	18.4	17.7	16.7
MAX	185	1210	614	1170	63	45	487	194	165	30	43	43
MIN	18	17	15	14	38	27	31	21	19	16	14	14
AC-FT	1890	6710	4820	10580	2460	2030	3840	2050	1690	1130	1090	996
CFSM	0.89	3.25	2.26	4.96	1.28	0.95	1.86	0.96	0.82	0.53	0.51	0.48
IN.	1.02	3.63	2.60	5.72	1.33	1.10	2.08	1.11	0.91	0.61	0.59	0.54

ARKANSAS RIVER BASIN

07194880 OSAGE CREEK NEAR CAVE SPRINGS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991-94, 2000-05, BY WATER YEAR (WY)

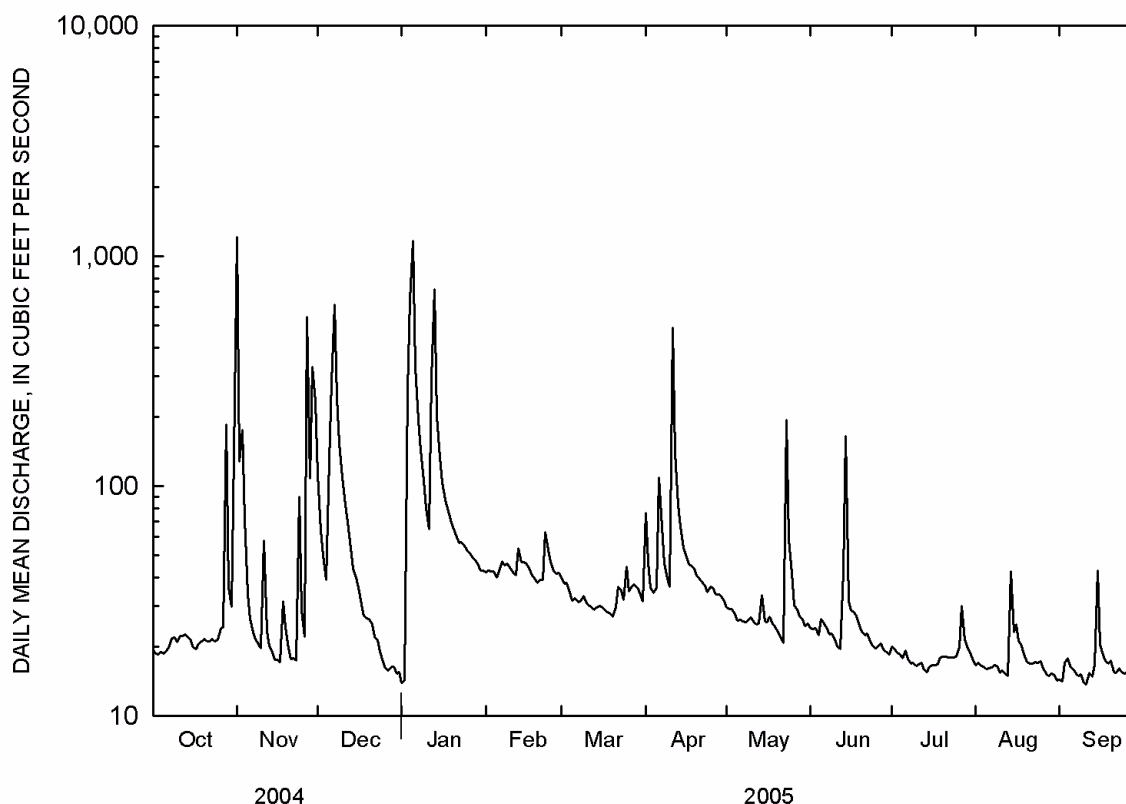
MEAN	27.0	49.6	66.0	67.9	49.5	45.8	64.7	62.8	68.2	47.1	22.6	29.4
MAX	43.5	113	160	172	108	75.8	96.3	120	217	147	37.1	98.4
(WY)	1991	2005	1993	2005	2001	1993	2002	2002	2000	2004	2004	1993
MIN	17.8	18.2	22.4	21.7	22.7	22.8	26.6	28.2	21.0	15.8	13.9	16.7
(WY)	1993	2003	2001	2003	2004	1992	2001	1992	1991	1991	1991	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1991-94, 2000-05	
ANNUAL TOTAL	22719		19807			
ANNUAL MEAN	62.1		54.3		48.6	
HIGHEST ANNUAL MEAN					77.0 1993	
LOWEST ANNUAL MEAN					29.6 2003	
HIGHEST DAILY MEAN	1940	Jul 3	1210	Nov 1	1940	Jul 3 2004
LOWEST DAILY MEAN	15	Dec 30	14	Jan 1	11	Sep 15 1991
ANNUAL SEVEN-DAY MINIMUM	16	Dec 25	15	Aug 27	12	Oct 6 1991
MAXIMUM PEAK FLOW			2630	Nov 1	a	Jul 3 2004
MAXIMUM PEAK STAGE			9.30	Nov 1	13.04	Jul 3 2004
INSTANTANEOUS LOW FLOW			11	Sep 10,22	8.3	¹ Oct 10 1991
ANNUAL RUNOFF (AC-FT)	45060		39290		35190	
ANNUAL RUNOFF (CFSM)	1.79		1.56		1.40	
ANNUAL RUNOFF (INCHES)	24.36		21.23		19.02	
10 PERCENT EXCEEDS	107		83		80	
50 PERCENT EXCEEDS	28		26		28	
90 PERCENT EXCEEDS	20		16		16	

¹Also October 11-12, 18, 20-22, 1991

^aUndetermined

^eEstimated



ARKANSAS RIVER BASIN

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to September 1975, August 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.--WDR Ark.1970: Drainage area. WDR Ark. 1974: 1969.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1979 water stage recorder about 400 ft downstream at present datum. Altitude of gage is 1,052 ft by barometer.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Low flow slightly regulated by operation of small lake at Cave Springs, and city of Rogers sewage treatment plant. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e69	1640	269	111	189	155	212	104	87	98	54	50
2	e69	333	230	115	191	151	190	106	87	69	65	52
3	e69	291	207	446	190	151	156	107	86	58	63	52
4	e69	256	189	1290	183	149	154	110	83	55	63	57
5	e67	197	221	2570	177	139	157	107	99	54	67	48
6	e64	170	298	908	178	133	283	108	88	58	81	50
7	63	150	722	557	196	145	257	101	87	58	90	53
8	79	145	349	461	182	141	203	95	88	72	66	50
9	67	135	302	389	187	138	184	103	87	66	66	52
10	56	130	260	349	175	133	167	107	80	59	64	47
11	68	255	229	328	169	131	740	106	76	69	63	42
12	70	167	207	507	166	128	364	102	67	67	62	50
13	69	143	193	2100	199	118	278	99	119	64	55	57
14	71	126	181	579	183	122	241	154	261	65	97	100
15	68	124	173	448	180	125	214	101	123	68	99	180
16	56	125	167	386	170	124	192	99	120	65	113	99
17	49	124	161	350	164	122	174	103	129	60	99	78
18	59	169	153	329	160	122	169	99	106	67	90	70
19	63	164	142	313	152	116	165	98	91	67	83	76
20	62	140	144	297	151	107	161	92	88	68	70	83
21	60	124	145	285	165	131	157	85	86	67	63	81
22	61	129	137	262	161	150	145	78	85	68	62	76
23	64	128	131	237	207	145	140	333	80	61	62	81
24	50	205	125	238	195	131	124	165	84	67	63	99
25	54	162	116	235	173	165	125	139	77	63	63	109
26	69	138	114	228	162	137	139	110	72	63	63	110
27	72	460	118	220	155	137	122	101	70	107	56	106
28	201	255	122	214	158	143	147	92	67	84	50	103
29	106	353	124	205	---	144	126	84	60	72	53	98
30	78	343	123	190	---	142	116	82	66	63	56	89
31	97	---	123	192	---	134	---	84	---	52	51	---
TOTAL	2219	7281	6175	15339	4918	4209	6002	3454	2799	2074	2152	2298
MEAN	71.6	243	199	495	176	136	200	111	93.3	66.9	69.4	76.6
MAX	201	1640	722	2570	207	165	740	333	261	107	113	180
MIN	49	124	114	111	151	107	116	78	60	52	50	42
AC-FT	4400	14440	12250	30420	9750	8350	11900	6850	5550	4110	4270	4560
CFSM	0.55	1.87	1.53	3.81	1.35	1.04	1.54	0.86	0.72	0.51	0.53	0.59
IN.	0.63	2.08	1.77	4.39	1.41	1.20	1.72	0.99	0.80	0.59	0.62	0.66

ARKANSAS RIVER BASIN

07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

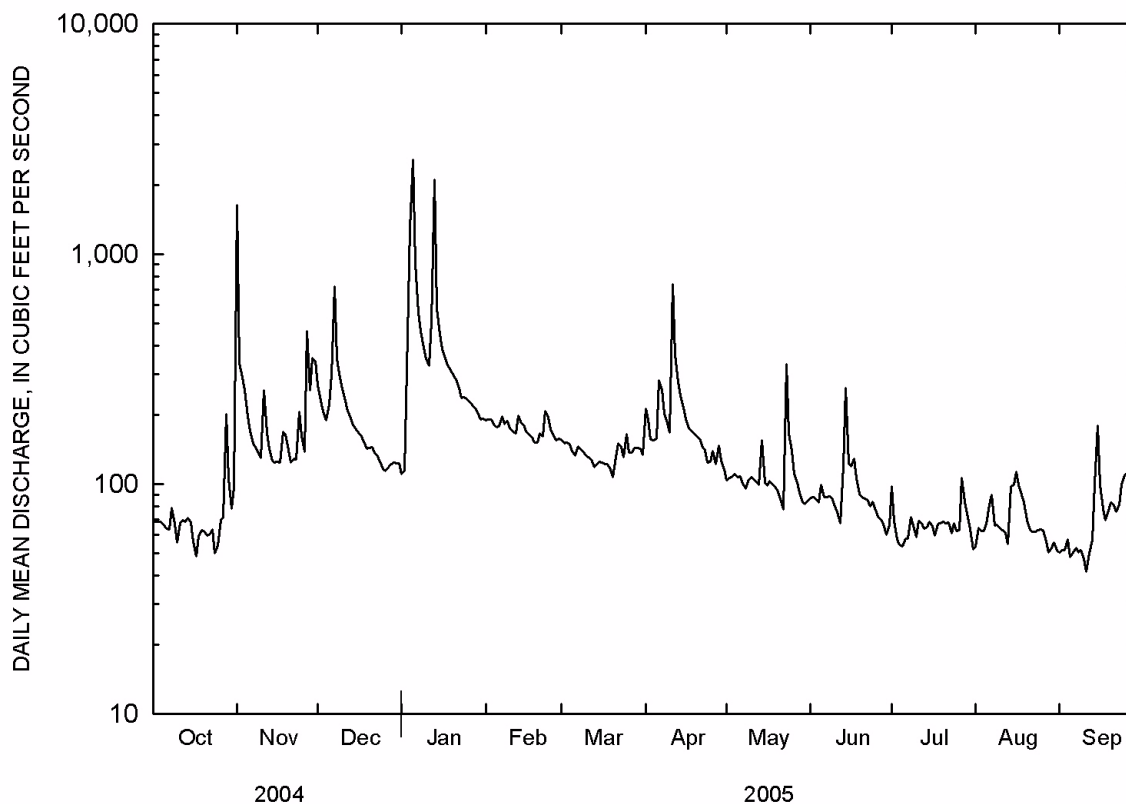
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-75, 1995-05, BY WATER YEAR (WY)

MEAN	75.8	120	107	116	140	165	167	196	162	113	71.9	69.2
MAX	310	474	390	495	457	538	533	972	694	389	244	214
(WY)	1971	1974	1974	2005	1951	1975	1957	1961	1974	2004	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951-75, 1995-05	
ANNUAL TOTAL	63866		58920			
ANNUAL MEAN	174		161		125	
HIGHEST ANNUAL MEAN					236 1974	
LOWEST ANNUAL MEAN					29.1 1956	
HIGHEST DAILY MEAN	4760	Jul 3	2570	Jan 5	6540	May 19 1961
LOWEST DAILY MEAN	49	Oct 17	42	Sep 11	5.3	Sep 5 1954
ANNUAL SEVEN-DAY MINIMUM	58	Sep 24	49	Sep 5	6.1	Aug 31 1954
MAXIMUM PEAK FLOW			5240	Jan 13	122500	May 19 1961
MAXIMUM PEAK STAGE			10.35	Jan 13	16.66	May 19 1961
INSTANTANEOUS LOW FLOW			35	Sep 11	4.7	Sep 4 1954
ANNUAL RUNOFF (AC-FT)	126700		116900		90640	
ANNUAL RUNOFF (CFSM)	1.34		1.24		0.962	
ANNUAL RUNOFF (INCHES)	18.28		16.86		13.08	
10 PERCENT EXCEEDS	269		261		222	
50 PERCENT EXCEEDS	119		119		79	
90 PERCENT EXCEEDS	68		61		27	

¹From rating curve extended above 11,000 ft³/s

^eEstimated



ARKANSAS RIVER BASIN

07195000 OSAGE CREEK NEAR ELM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV 2004 02...	1615	80513	80020	299	10	751	8.8	90	8.1	306	15.5	120	43.3
JAN 2005 19...	0800	80513	80020	315	30	753	9.4	83	8.2	337	9.0	130	50.2
MAR 09...	1330	80513	80020	136	30	748	12.5	116	8.5	397	11.3	140	51.6
APR 28...	1400	80513	80020	194	30	742	9.2	99	8.4	448	17.6	130	49.3
JUN 22...	1000	80513	80020	78	30	753	8.6	99	8.0	452	21.5	140	51.0
AUG 31...	1015	80513	80020	45	30	747	7.7	89	8.1	538	21.7	140	51.7

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)
NOV 2004 02...	1.92	5.09	.5	12.5	18	13.8	.1	13.5	175	.46	<.04	--	--
JAN 2005 19...	2.17	4.18	.5	13.4	17	15.3	.1	14.4	192	.20	<.04	--	--
MAR 09...	1.94	5.20	.9	23.1	26	23.6	.2	20.6	231	.36	<.04	18.4	4.15
APR 28...	1.98	7.56	1	34.4	35	34.1	.3	29.2	261	.57	<.04	15.6	3.53
JUN 22...	2.09	7.20	1	32.7	33	33.4	.3	32.6	268	.38	<.04	--	--
AUG 31...	1.88	10.1	2	48.6	41	47.1	.4	43.8	318	.46	<.04	--	--

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
NOV 2004 02...	3.48	--	<.008	.377	.12	.14	.18	3.9	E2800	3000	E5700	94	66
JAN 2005 19...	5.86	--	<.008	.221	.07	.09	.10	6.1	140	150	81	94	49
MAR 09...	4.16	.026	.008	.169	.06	.08	.08	4.5	39	52	E15	78	13
APR 28...	3.54	.030	.009	.282	.09	.10	.12	4.1	120	150	80	94	18
JUN 22...	3.55	--	E.006	1.30	.42	.44	.46	3.9	58	79	103	92	6
AUG 31...	3.71	--	E.006	.656	.21	.24	.25	4.2	44	55	--	85	4

Date	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 02...	53	3052
JAN 2005 19...	42	8010
MAR 09...	4.8	8010
APR 28...	9.4	8010
JUN 22...	1.3	8010
AUG 31...	.49	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

207

07195400 ILLINOIS RIVER AT HWY 16 NEAR SILOAM SPRINGS

LOCATION.--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, 8.2 mi downstream from Osage Creek and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 mi².

PERIOD OF RECORD.--July 1979 to December 1981, October 1985 to September 1986, October 2002 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	3640	995	253	544	525	464	345	223	184	127	111
2	133	1630	751	247	539	494	728	330	222	222	127	110
3	135	862	e618	1380	566	479	585	323	216	181	128	109
4	119	834	551	5580	552	467	528	314	213	165	125	125
5	117	617	509	10400	536	452	503	307	240	159	128	120
6	116	503	744	e4310	523	430	1120	301	248	158	141	112
7	119	429	2430	2620	557	427	1420	295	287	154	201	110
8	139	379	1450	1830	562	439	958	291	235	150	158	108
9	157	345	1060	1420	547	425	780	297	224	147	137	107
10	140	321	853	1190	528	415	677	293	215	142	129	107
11	141	604	703	1060	508	404	2240	284	207	144	125	102
12	153	627	607	1050	499	394	1540	274	206	146	122	100
13	145	456	540	8030	532	382	1040	266	233	145	120	103
14	142	385	488	2830	568	372	854	322	325	139	131	127
15	143	342	446	1780	531	372	737	327	272	138	177	302
16	138	322	419	e1330	510	368	653	277	236	142	167	260
17	129	304	400	e1120	489	364	591	267	335	146	167	164
18	125	315	378	1020	476	360	548	260	337	136	162	139
19	129	483	349	939	464	354	519	251	251	136	143	129
20	133	410	331	868	448	343	491	244	224	135	148	125
21	137	356	325	816	460	355	465	237	212	134	153	122
22	137	330	314	760	519	483	444	229	201	129	137	116
23	143	325	303	e704	539	497	418	477	196	139	134	113
24	143	508	294	667	773	449	396	516	183	156	132	113
25	131	758	277	650	641	459	377	387	178	152	127	113
26	143	520	271	627	578	475	394	320	175	135	123	124
27	150	817	269	599	543	455	379	285	173	151	120	117
28	206	834	270	579	536	482	378	265	174	189	114	117
29	329	670	270	586	---	472	409	247	169	158	113	126
30	226	1060	265	575	---	446	370	233	163	144	113	129
31	209	---	265	554	---	422	---	224	---	136	111	---
TOTAL	4632	19986	17745	56374	15068	13261	21006	9288	6773	4692	4240	3860
MEAN	149	666	572	1819	538	428	700	300	226	151	137	129
MAX	329	3640	2430	10400	773	525	2240	516	337	222	201	302
MIN	116	304	265	247	448	343	370	224	163	129	111	100
AC-FT	9190	39640	35200	111800	29890	26300	41670	18420	13430	9310	8410	7660
CFSM	0.29	1.31	1.12	3.57	1.06	0.84	1.38	0.59	0.44	0.30	0.27	0.25
IN.	0.34	1.46	1.30	4.12	1.10	0.97	1.54	0.68	0.50	0.34	0.31	0.28

ARKANSAS RIVER BASIN

07195400 ILLINOIS RIVER AT HWY 16 NEAR SILOAM SPRINGS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-82, 1986, 2003-05, BY WATER YEAR (WY)

MEAN	171	451	440	478	326	426	849	486	325	315	201	310
MAX	292	1459	1579	1819	610	621	1934	695	582	977	317	1460
(WY)	1982	1986	1986	2005	1986	2004	1986	1986	1986	2004	1981	1986
MIN	69.4	79.7	105	68.6	89.1	160	170	271	153	69.5	52.6	58.8
(WY)	1981	1981	1981	1981	1981	1981	1981	1980	1980	1980	1980	1980

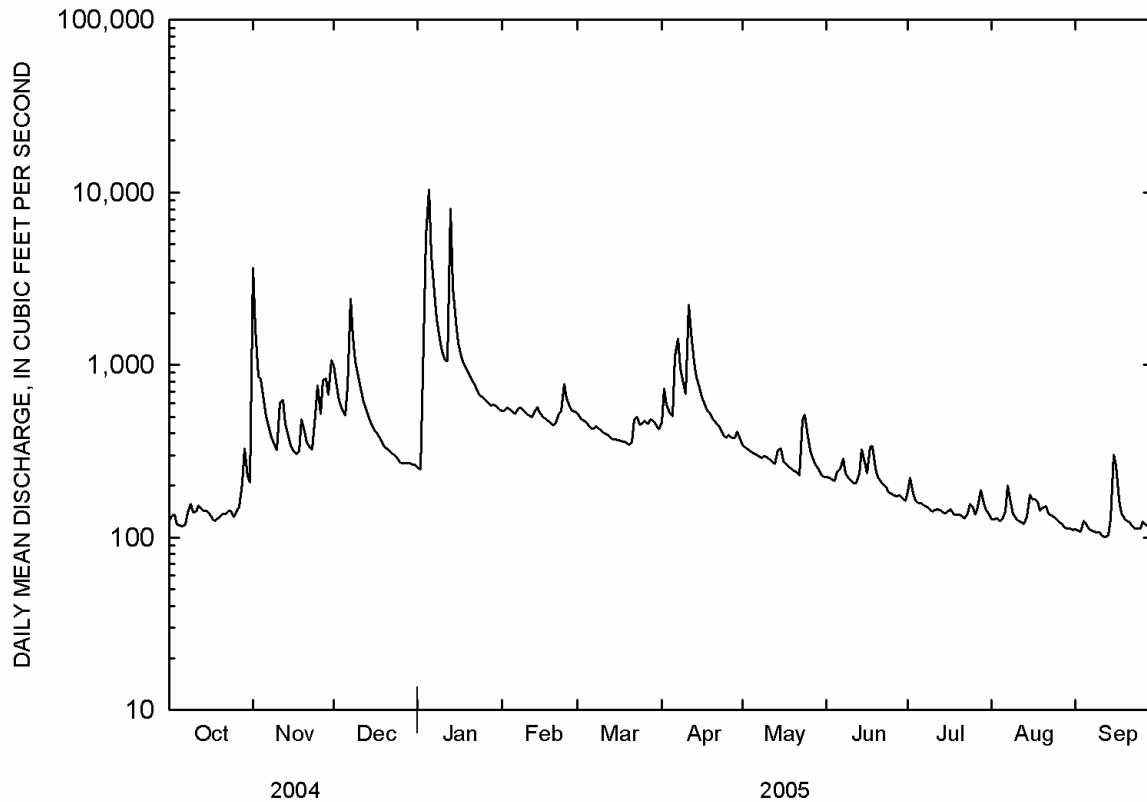
SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1979-82, 1986, 2003-05

ANNUAL TOTAL		203725		176925				405				
ANNUAL MEAN		557		485								
HIGHEST ANNUAL MEAN								811			1986	
LOWEST ANNUAL MEAN								169			1980	
HIGHEST DAILY MEAN		19200	Apr 24	10400	Jan 5	25400	Sep 30	1986				
LOWEST DAILY MEAN		116	Sep 27	100	Sep 12	46	Sep 1	1980				
ANNUAL SEVEN-DAY MINIMUM		121	Sep 24	105	Sep 7	50	Aug 27	1980				
MAXIMUM PEAK FLOW				14200	Jan 5	150800	Sep 30	1986				
MAXIMUM PEAK STAGE				16.76	Jan 5	20.87	Sep 30	1986				
INSTANTANEOUS LOW FLOW				98	Sep 12	45	Sep 1	1980				
ANNUAL RUNOFF (AC-FT)		404100		350900		293200						
ANNUAL RUNOFF (CFSM)		1.09		0.952		0.795						
ANNUAL RUNOFF (INCHES)		14.89		12.93		10.80						
10 PERCENT EXCEEDS		839		824		726						
50 PERCENT EXCEEDS		316		314		205						
90 PERCENT EXCEEDS		141		125		86						

¹From rating curve extended above 29,400 ft³/s

²Also September 2, 1980

^eEstimated



ARKANSAS RIVER BASIN

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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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1995 to current year. Occasional low-flow measurements in 1971.

REVISED RECORDS.--WDR 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 ft³/s from rating curve extended above 23,000 ft³/s on basis of contracted opening of peak flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	4310	1080	294	549	555	494	385	248	175	123	106
2	149	2140	817	293	549	519	817	376	243	223	120	105
3	146	1010	683	1340	577	497	648	371	236	186	122	104
4	132	946	594	5880	566	486	567	366	229	167	117	111
5	129	713	547	11500	548	473	532	363	258	155	121	120
6	127	578	779	7970	536	456	1180	357	283	151	131	108
7	128	489	2670	3070	567	452	1630	353	308	149	186	106
8	144	435	1660	2040	580	458	1140	350	258	145	170	105
9	171	399	1170	1570	559	452	913	353	233	141	132	103
10	158	371	936	1330	544	448	767	373	223	137	124	103
11	157	587	775	1200	521	445	2280	362	209	136	119	99
12	163	698	671	1270	511	442	1810	345	210	140	116	96
13	162	492	599	8490	541	438	1200	328	245	138	113	98
14	156	421	541	3370	591	434	973	377	329	134	123	132
15	154	382	495	2010	551	435	834	412	308	133	165	284
16	155	363	465	1560	524	433	724	346	241	132	176	319
17	144	345	440	1320	499	433	643	321	309	141	165	181
18	138	350	419	1160	484	433	590	305	368	132	157	146
19	140	480	392	1060	476	429	557	290	276	130	140	131
20	145	433	372	966	464	424	526	284	232	128	164	126
21	150	386	366	906	473	431	498	272	213	126	156	123
22	152	361	355	837	538	503	477	259	203	122	135	119
23	155	355	338	747	548	522	454	449	196	126	130	115
24	156	460	327	701	871	471	434	578	185	142	129	115
25	147	820	312	675	708	471	419	430	178	148	124	114
26	160	552	305	646	621	496	425	384	171	132	119	122
27	162	828	303	612	578	470	417	341	172	178	116	119
28	257	926	303	589	567	495	409	314	172	174	115	136
29	389	712	302	596	---	487	432	280	167	156	118	124
30	291	1080	299	585	---	467	401	262	160	138	108	133
31	269	---	299	562	---	453	---	249	---	129	107	---
TOTAL	5228	22422	19614	65149	15641	14408	23191	10835	7063	4544	4141	3903
MEAN	169	747	633	2102	559	465	773	350	235	147	134	130
MAX	389	4310	2670	11500	871	555	2280	578	368	223	186	319
MIN	127	345	299	293	464	424	401	249	160	122	107	96
MED	154	491	465	1160	548	456	579	353	232	140	124	117
AC-FT	10370	44470	38900	129200	31020	28580	46000	21490	14010	9010	8210	7740
CFSM	0.29	1.30	1.10	3.65	0.97	0.81	1.34	0.61	0.41	0.25	0.23	0.23
IN.	0.34	1.45	1.27	4.21	1.01	0.93	1.50	0.70	0.46	0.29	0.27	0.25

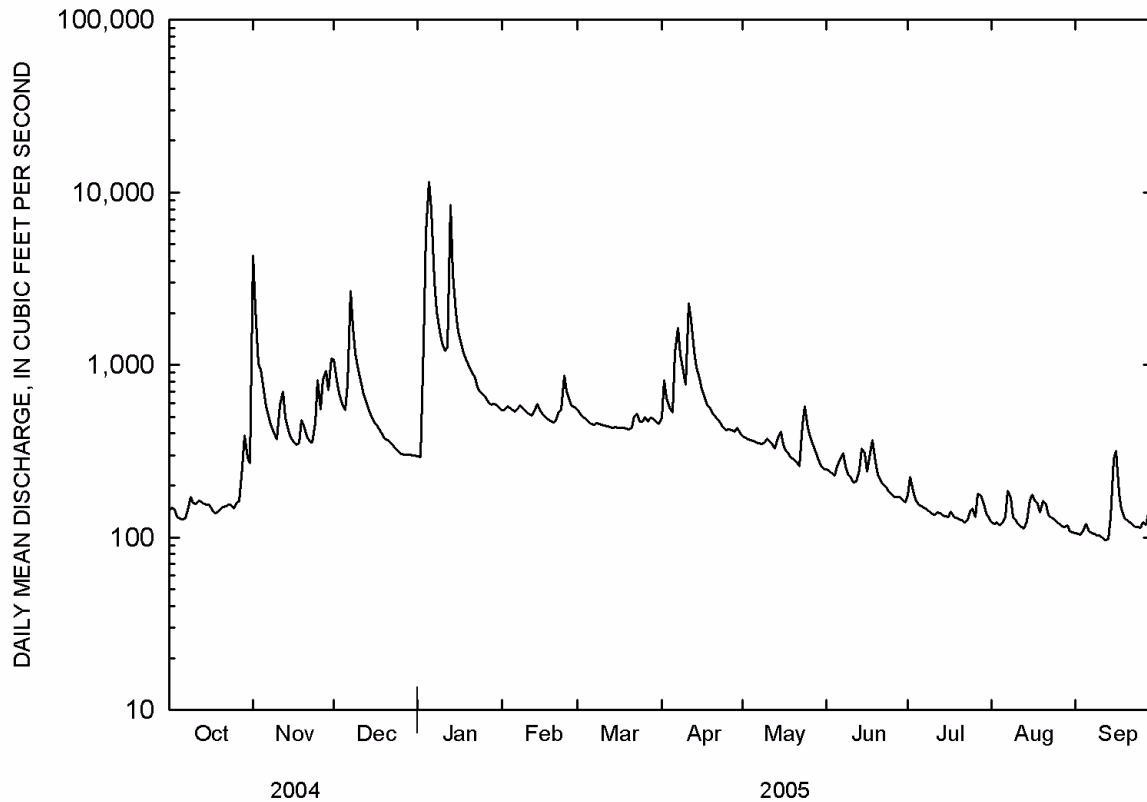
ARKANSAS RIVER BASIN

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

MEAN	233	584	565	755	771	827	868	681	733	434	223	247
MAX	482	2839	1451	2256	2167	1767	2134	1780	3287	1161	507	887
(WY)	1999	1997	2002	1998	2001	1998	2004	1999	2000	2004	2002	1996
MIN	143	166	251	265	242	224	261	311	226	147	125	130
(WY)	2004	1996	1996	2004	1996	1996	2003	1997	1996	2005	1996	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005	
ANNUAL TOTAL	231290		196139			
ANNUAL MEAN	632		537		576	
HIGHEST ANNUAL MEAN					795 1999	
LOWEST ANNUAL MEAN					302 2003	
HIGHEST DAILY MEAN	23000	Apr 24	11500	Jan 5	23000	Apr 24 2004
LOWEST DAILY MEAN	127	Oct 6	96	Sep 12	86	Sep 7 1998
ANNUAL SEVEN-DAY MINIMUM	132	Sep 24	101	Sep 7	93	Sep 5 1998
MAXIMUM PEAK FLOW			15600	Jan 5	52000	Apr 24 2004
MAXIMUM PEAK STAGE			14.98	Jan 5	20.54	Apr 24 2004
INSTANTANEOUS LOW FLOW			95	Sep 12	78	Sep 11 1996
ANNUAL RUNOFF (AC-FT)	458800		389000		417000	
ANNUAL RUNOFF (CFSM)	1.10		0.935		1.00	
ANNUAL RUNOFF (INCHES)	14.96		12.69		13.60	
10 PERCENT EXCEEDS	922		918		1000	
50 PERCENT EXCEEDS	350		355		298	
90 PERCENT EXCEEDS	153		124		144	



ARKANSAS RIVER BASIN

07195430 ILLINOIS RIVER SOUTH OF SILOAM SPRINGS--CONTINUED

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
NOV 09...	1300	80513	80020	397	30	--	740	9.0	90	8.0	327	14.1	130
JAN 19...	1045	80513	80020	1060	30	--	754	9.9	84	7.8	276	7.7	110
MAR 10...	0900	80513	80020	448	10	<2.0	750	11.5	102	8.4	320	9.4	130
APR 28...	1000	80513	80020	409	30	--	747	9.7	99	8.1	322	15.4	130
JUN 22...	0830	80513	80020	204	30	--	756	7.0	83	7.8	344	23.5	130
AUG 31...	0820	80513	80020	107	30	4.0	750	6.3	77	7.9	400	24.5	140

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sulfate, water, fltrd, mg/L (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC (70300)	Residue fixed non-filterable, mg/L (00540)	Residue total at 105 deg. C, suspended, mg/L (00530)	Residue volatile, suspended, mg/L (00535)
NOV 09...	48.7	2.18	4.39	.5	12.2	16	13.2	E.1	14.2	191	--	--	--
JAN 19...	42.1	2.14	3.20	.3	7.15	12	8.91	E.1	10.5	156	--	--	--
MAR 10...	47.9	2.20	3.28	.5	12.2	17	13.3	.1	14.8	171	2	3	1
APR 28...	47.8	2.17	3.42	.5	12.6	17	13.5	.1	13.0	179	--	--	--
JUN 22...	48.8	2.10	4.45	.6	15.2	20	16.1	.1	14.9	204	--	--	--
AUG 31...	51.2	2.06	6.33	.9	25.2	28	26.5	.2	21.6	239	14	17	2

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Biomass phytoplankton, ashfree drymass mg/L (49953)	Biomass plankton, ash wgt mg/L (81353)	Biomass plankton, dry wgt mg/L (81354)	E coli, m-TEC MF, water, col/100 mL (31633)
NOV 09...	.18	<.04	3.18	<.008	.273	.09	.10	.10	3.4	--	--	--	99
JAN 19...	.27	<.04	4.61	<.008	.181	.06	.07	.09	4.9	--	--	--	140
MAR 10...	.28	<.04	2.80	E.004	--	E.01	<.04	E.03	3.1	<3.3	156	159	25
APR 28...	.27	<.04	2.56	E.006	--	E.01	E.03	.04	2.8	--	--	--	50
JUN 22...	.21	<.04	1.92	<.008	.227	.07	.09	.10	2.1	--	--	--	54
AUG 31...	.20	<.04	1.32	<.008	.356	.12	.12	.14	1.5	<3.3	144	148	29

Date	Fecal coliform, M-FC 0.7u col/100 mL (31625)	Fecal streptococci, MF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 09...	99	129	--	--	98	44	47	8010
JAN 19...	170	180	--	--	98	50	143	8010
MAR 10...	35	E9	3.6	<.1	93	5	6.0	3044
APR 28...	54	E29	--	--	66	21	23	8010
JUN 22...	E21	77	--	--	99	12	6.6	8010
AUG 31...	35	--	.4	<.1	87	7	2.0	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

07195800 FLINT CREEK AT SPRINGTOWN

LOCATION.--Lat 36°15'21", long 94°26'00", 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.--July 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges and daily discharges after July 1, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	170	30	3.3	17	11	11	9.0	4.8	3.9	4.9	3.4
2	1.6	83	24	3.5	16	11	11	8.7	4.7	2.8	4.2	3.8
3	1.8	64	20	20	15	10	11	8.5	4.5	2.2	4.3	4.4
4	1.7	52	16	183	14	9.4	10	8.2	4.3	2.8	4.0	5.6
5	1.4	39	17	442	14	8.8	9.5	8.0	5.2	4.0	9.6	4.8
6	1.4	31	25	165	14	8.3	17	7.9	4.5	3.9	17	4.2
7	1.8	24	52	118	15	8.5	16	7.6	4.3	4.2	e9.6	4.2
8	2.9	19	41	99	15	8.1	15	8.3	4.3	4.5	e5.3	4.2
9	2.5	16	33	86	16	7.8	e14	8.4	3.9	4.3	e5.0	4.0
10	2.7	13	27	78	15	7.5	e14	7.8	3.6	4.1	e4.8	3.6
11	3.9	14	21	72	15	7.1	e14	7.3	3.5	5.3	e4.6	3.5
12	3.3	12	18	153	15	6.9	e13	6.8	3.4	4.4	e4.5	3.5
13	3.2	9.9	14	250	16	6.6	e13	6.6	7.3	5.1	e4.3	3.1
14	3.5	8.5	12	114	15	6.3	e13	10	19	5.2	e5.1	11
15	3.2	7.6	11	93	15	6.2	e13	7.9	8.1	4.7	e4.3	14
16	2.9	7.1	9.7	81	13	5.9	e13	7.2	7.4	5.1	e10	9.7
17	2.8	6.2	8.6	72	13	5.6	e12	6.8	9.6	5.6	4.1	7.9
18	2.8	7.9	7.8	65	12	5.6	e13	6.3	7.2	5.8	3.4	7.1
19	2.9	7.8	6.9	59	11	5.3	e13	6.1	5.5	5.5	2.6	6.3
20	3.0	7.2	6.4	52	11	5.1	e13	5.7	4.6	4.9	3.5	6.0
21	3.2	7.5	5.9	46	11	6.8	14	5.2	4.0	4.7	3.7	5.7
22	3.7	8.7	5.3	40	10	9.2	13	5.2	3.6	3.9	2.9	5.4
23	4.9	9.2	4.6	35	13	7.6	12	15	3.4	9.8	3.8	4.8
24	3.8	12	4.3	32	14	7.1	11	10	3.3	11	3.8	4.7
25	3.5	15	4.2	29	14	8.7	11	8.9	2.9	7.2	3.4	6.7
26	6.4	15	4.0	26	13	8.0	12	7.4	2.6	6.0	3.4	6.4
27	5.5	16	3.8	23	13	7.9	10	6.9	2.4	23	3.6	6.1
28	9.3	14	3.8	22	12	9.5	11	6.6	2.2	12	3.9	7.6
29	7.3	24	3.9	21	---	7.4	10	5.7	2.0	7.2	3.4	8.2
30	6.0	35	3.8	19	---	8.1	9.6	5.5	2.0	6.9	3.4	7.4
31	10	---	3.5	18	---	7.2	---	5.2	---	5.0	3.5	---
TOTAL	114.5	755.6	447.5	2519.8	387	238.5	372.1	234.7	148.1	185.0	153.9	177.3
MEAN	3.69	25.2	14.4	81.3	13.8	7.69	12.4	7.57	4.94	5.97	4.96	5.91
MAX	10	170	52	442	17	11	17	15	19	23	17	14
MIN	1.4	6.2	3.5	3.3	10	5.1	9.5	5.2	2.0	2.2	2.6	3.1
AC-FT	227	1500	888	5000	768	473	738	466	294	367	305	352
CFSM	0.26	1.77	1.02	5.72	0.97	0.54	0.87	0.53	0.35	0.42	0.35	0.42
IN.	0.30	1.98	1.17	6.60	1.01	0.62	0.97	0.61	0.39	0.48	0.40	0.46

ARKANSAS RIVER BASIN

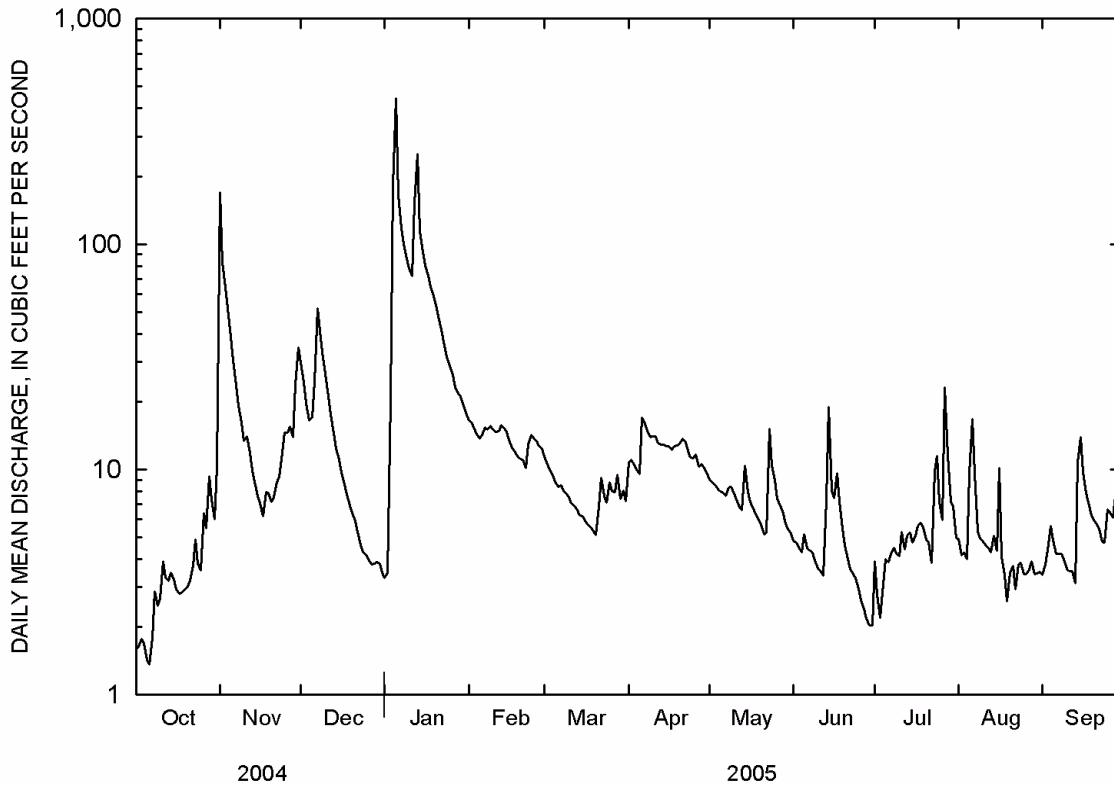
07195800 FLINT CREEK AT SPRINGTOWN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2005, BY WATER YEAR (WY)

MEAN	10.3	18.2	17.9	15.6	15.7	20.6	20.8	18.8	19.4	10.2	7.70	8.62
MAX	51.8	83.7	63.0	81.3	45.8	57.7	60.5	107	121	42.5	61.5	38.3
(WY)	1987	1974	1988	2005	2001	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	0.77	1.85
(WY)	1983	1967	1967	1981	1967	1967	1981	1967	1966	1964	1980	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1961 - 2005	
ANNUAL TOTAL	6640.6		5734.0			
ANNUAL MEAN	18.1		15.7		15.1	
HIGHEST ANNUAL MEAN					34.4 1974	
LOWEST ANNUAL MEAN					3.80 1967	
HIGHEST DAILY MEAN	337	May 1	442	Jan 5	1730	Jun 8 1974
LOWEST DAILY MEAN	1.4	Sep 20	1.4	Oct 5	0.00	Aug 3 1980
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 18	1.6	Oct 1	0.33	Aug 3 1980
MAXIMUM PEAK FLOW			926	Jan 5	¹ 14600	Jun 8 1974
MAXIMUM PEAK STAGE			7.80	Jan 5	² 17.51	Jun 8 1974
INSTANTANEOUS LOW FLOW			0.80	Jul 2	³ 0.00	Aug 3 1980
ANNUAL RUNOFF (AC-FT)	13170		11370		10970	
ANNUAL RUNOFF (CFSM)	1.28		1.11		1.07	
ANNUAL RUNOFF (INCHES)	17.40		15.02		14.49	
10 PERCENT EXCEEDS	42		24		28	
50 PERCENT EXCEEDS	8.3		7.5		8.4	
90 PERCENT EXCEEDS	2.3		3.4		3.4	

¹From rating curve extended above 770 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow
²From floodmark
³Result of pumpage upstream from gage for irrigation
^eEstimated



ARKANSAS RIVER BASIN

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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Flow is partially regulated by Lake Siloam Springs, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	371	64	33	78	56	51	31	24	e26	13	e8.1
2	14	115	59	34	75	54	54	30	23	e23	13	e8.1
3	13	87	55	49	72	53	52	29	22	e21	12	7.9
4	13	78	52	529	68	52	50	29	26	e20	12	8.8
5	12	69	53	1220	66	51	50	28	27	e25	16	8.8
6	12	63	55	519	67	50	57	28	25	e26	20	8.0
7	12	58	79	324	67	50	68	28	24	e25	19	7.9
8	14	54	76	243	66	49	63	29	e22	e24	19	7.9
9	13	51	68	202	66	49	60	29	e22	e24	16	7.6
10	13	49	63	178	65	48	61	27	e22	e23	14	6.9
11	14	50	58	163	65	46	59	26	e22	e25	13	6.8
12	12	45	54	386	65	45	57	26	e22	e24	12	6.9
13	11	43	e52	798	65	44	54	25	e29	e25	11	6.4
14	11	41	48	311	64	43	50	29	e42	e24	15	10
15	10	40	46	241	63	43	47	26	e31	e24	18	14
16	10	39	45	206	62	42	44	25	e26	e24	21	12
17	9.7	39	43	182	61	41	42	24	e23	e25	18	10
18	9.4	41	42	166	60	40	41	24	e25	e26	15	9.0
19	8.9	40	41	155	59	40	39	23	e23	e25	14	8.7
20	9.1	39	40	146	58	39	38	22	e20	e23	16	7.9
21	9.1	40	40	137	58	44	37	22	e20	e23	21	7.8
22	9.7	41	39	125	56	48	36	22	e21	e21	18	7.2
23	11	41	38	118	59	45	35	35	e21	e31	14	6.7
24	9.8	49	37	111	60	43	34	33	e21	e33	13	6.4
25	9.2	49	38	105	59	45	34	29	e21	e29	11	7.1
26	11	48	36	99	58	44	35	27	e20	e22	11	7.0
27	11	48	34	94	58	44	33	26	e20	26	10	6.6
28	13	47	35	92	57	44	34	26	e19	28	9.7	6.7
29	14	54	35	90	---	43	34	24	e19	19	9.8	8.4
30	14	66	34	87	---	42	32	24	e20	16	8.4	7.0
31	17	---	34	83	---	42	---	23	---	14	7.9	---
TOTAL	363.9	1895	1493	7226	1777	1419	1381	829	702	744	440.8	242.6
MEAN	11.7	63.2	48.2	233	63.5	45.8	46.0	26.7	23.4	24.0	14.2	8.09
MAX	17	371	79	1220	78	56	68	35	42	33	21	14
MIN	8.9	39	34	33	56	39	32	22	19	14	7.9	6.4
AC-FT	722	3760	2960	14330	3520	2810	2740	1640	1390	1480	874	481

ARKANSAS RIVER BASIN

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA--CONTINUED

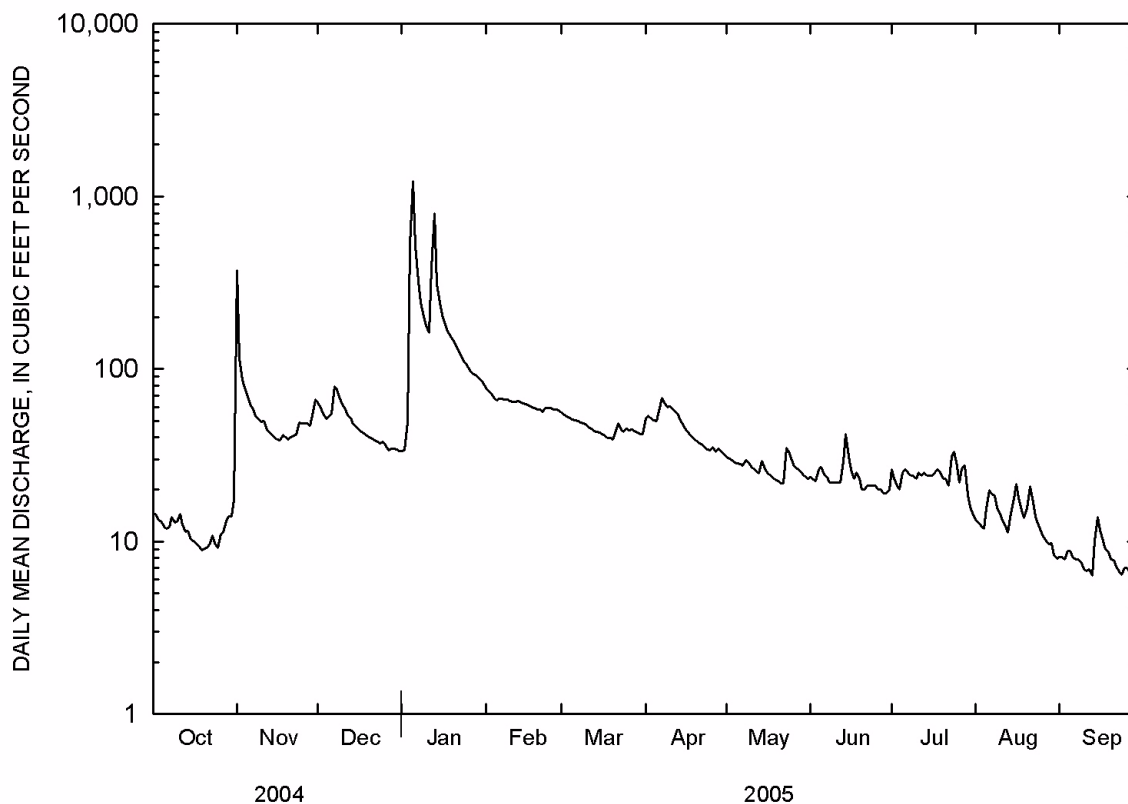
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	27.0	49.2	60.8	53.8	55.6	71.7	64.5	65.1	62.4	32.9	18.1	19.8
MAX	199	148	219	233	161	176	143	251	337	164	70.2	132
(WY)	1987	1994	1993	2005	2001	1985	1985	1990	2000	2004	2004	1986
MIN	3.48	3.86	6.62	3.88	4.37	7.04	7.43	20.9	9.72	2.79	0.77	1.80
(WY)	1981	1981	1980	1980	1981	1981	1981	1981	1981	1980	1980	1980

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	23472.8		18513.3			
ANNUAL MEAN	64.1		50.7		48.4	
HIGHEST ANNUAL MEAN					97.9 1985	
LOWEST ANNUAL MEAN					10.7 1981	
HIGHEST DAILY MEAN	1450	Jul 3	1220	Jan 5	3160	Jun 21 2000
LOWEST DAILY MEAN	5.5	Jul 1	6.4	Sep 13	0.40	Aug 7 1980
ANNUAL SEVEN-DAY MINIMUM	9.1	Jun 25	6.8	Sep 22	0.56	Aug 5 1980
MAXIMUM PEAK FLOW			2110	Jan 5	18750	Jun 21 2000
MAXIMUM PEAK STAGE			8.82	Jan 5	13.58	Jun 21 2000
INSTANTANEOUS LOW FLOW			5.2	Sep 13,23		
ANNUAL RUNOFF (AC-FT)	46560		36720		35030	
10 PERCENT EXCEEDS	118		73		100	
50 PERCENT EXCEEDS	39		33		26	
90 PERCENT EXCEEDS	14		9.8		7.4	

¹From rating curve extended above 3,900 ft³/s

^eEstimated



ARKANSAS RIVER BASIN

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

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR Ark. 1970: Drainage area. WDR Ark. 1993: 1992 (m).

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	676	78	13	35	45	81	21	6.4	2.6	0.90	0.00
2	1.0	e82	60	14	37	41	69	19	6.4	3.1	0.67	0.00
3	e1.0	e71	50	465	42	39	53	18	5.9	2.8	0.54	0.00
4	0.99	e66	44	656	40	37	46	17	5.5	2.5	0.60	0.00
5	0.99	e44	52	e491	38	36	43	17	7.8	2.4	0.99	0.00
6	0.90	e37	137	e299	39	34	276	16	8.2	3.2	1.1	0.00
7	1.0	32	232	e143	46	35	138	15	6.7	3.1	0.83	0.00
8	1.3	28	99	e106	42	34	87	15	5.9	2.4	0.80	0.00
9	1.5	26	74	e85	40	34	67	17	5.3	1.9	0.74	0.00
10	1.4	25	59	75	37	32	56	15	5.0	1.7	0.58	0.00
11	1.4	e126	e51	69	35	e31	217	13	4.7	1.7	0.45	0.00
12	e1.4	e56	e45	379	35	e36	103	11	4.3	1.4	0.23	0.00
13	e1.2	e42	e40	e573	47	e42	71	11	6.1	1.3	0.13	0.00
14	1.3	e35	e35	e148	44	e40	59	14	5.9	1.2	0.70	0.00
15	1.4	32	e32	e107	40	e40	51	12	4.9	1.2	0.70	1.8
16	1.3	29	31	e95	36	e42	44	10	4.5	1.5	0.83	1.5
17	1.2	28	28	e83	34	e42	39	9.9	5.3	5.3	1.1	0.55
18	1.3	44	e26	e67	33	e43	37	9.5	6.1	2.5	1.0	0.24
19	1.3	47	e25	e60	32	e43	34	8.7	4.7	1.8	0.98	0.10
20	1.4	38	e23	55	32	e48	32	8.5	4.0	1.3	0.89	0.04
21	1.6	34	22	52	50	e78	30	8.9	3.6	1.1	0.93	0.00
22	2.0	31	e20	46	43	e125	28	9.3	3.3	0.97	0.79	0.00
23	3.2	30	e19	42	70	e42	26	11	3.1	0.80	0.70	0.00
24	e3.0	e103	e18	41	76	37	25	12	3.0	0.76	0.57	0.00
25	2.6	e67	e17	40	58	46	24	12	2.8	0.66	0.47	0.00
26	2.7	51	e15	37	50	41	24	9.7	2.5	0.67	0.41	0.00
27	3.1	71	15	35	48	47	22	8.4	2.3	1.7	0.35	0.00
28	4.1	57	14	35	52	48	26	7.9	2.2	2.3	0.24	0.00
29	5.1	61	14	39	---	42	25	7.3	2.0	1.4	0.03	0.00
30	5.4	102	13	37	---	38	23	6.9	1.9	1.0	0.00	0.00
31	9.7	---	13	36	---	35	---	6.5	---	0.97	0.00	---
TOTAL	66.78	2171	1401	4423	1211	1353	1856	377.5	140.3	57.23	19.25	4.23
MEAN	2.15	72.4	45.2	143	43.2	43.6	61.9	12.2	4.68	1.85	0.62	0.14
MAX	9.7	676	232	656	76	125	276	21	8.2	5.3	1.1	1.8
MIN	0.90	25	13	13	32	31	22	6.5	1.9	0.66	0.00	0.00
AC-FT	132	4310	2780	8770	2400	2680	3680	749	278	114	38	8.4
CFSM	0.05	1.78	1.11	3.51	1.07	1.08	1.52	0.30	0.12	0.05	0.02	0.00
IN.	0.06	1.99	1.28	4.05	1.11	1.24	1.70	0.35	0.13	0.05	0.02	0.00

ARKANSAS RIVER BASIN

07196900 BARON FORK AT DUTCH MILLS--CONTINUED

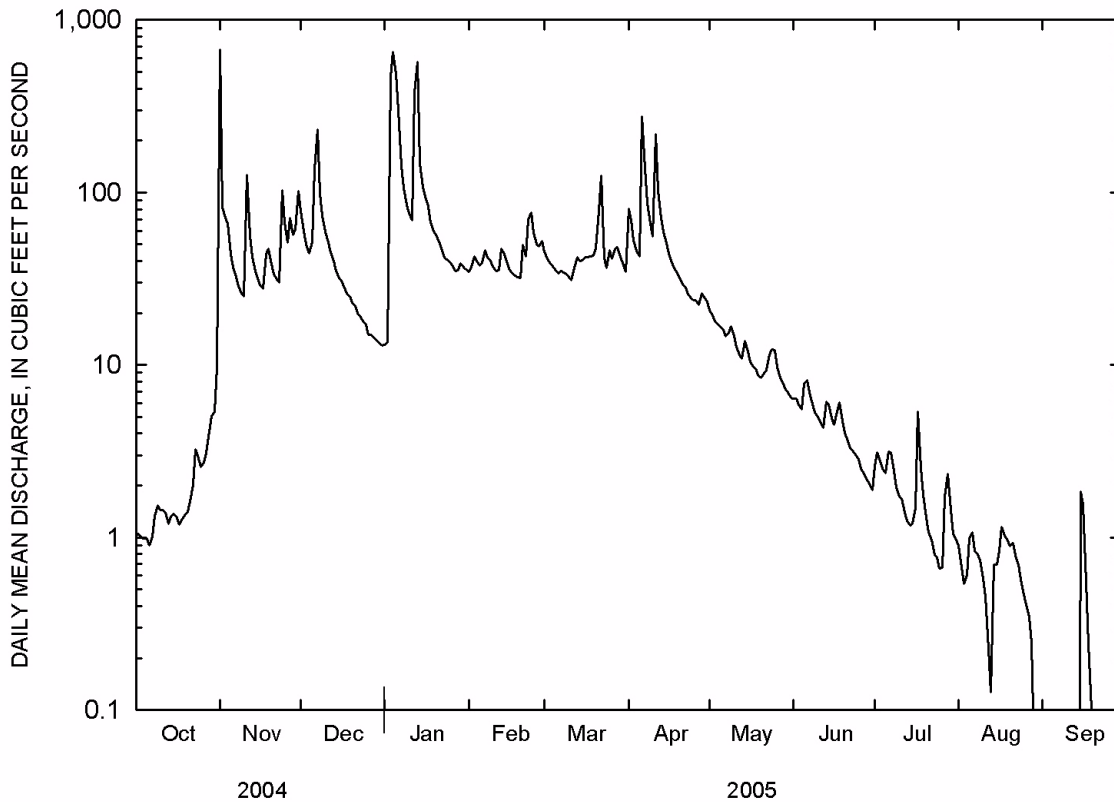
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	24.7	55.7	52.3	49.2	55.9	75.0	80.1	66.3	39.6	16.7	7.24	17.2
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	0.09	0.51	0.55	0.53	2.16	5.98	6.71	3.25	0.35	0.22	0.00	0.08
(WY)	1964	1964	1964	1964	1964	1967	1963	1977	1963	1963	1980	1980

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	16239.46		13080.29			
ANNUAL MEAN	44.4		35.8		44.5	
HIGHEST ANNUAL MEAN					104 1993	
LOWEST ANNUAL MEAN					3.99 1963	
HIGHEST DAILY MEAN	3390	Apr 24	676	Nov 1	4660	Jun 21 2000
LOWEST DAILY MEAN	0.62	Sep 18	0.00	Aug 30	0.00	Jul 23 1963
ANNUAL SEVEN-DAY MINIMUM	0.74	Sep 13	0.00	Aug 30	0.00	Sep 20 1963
MAXIMUM PEAK FLOW			4200	Nov 1	¹ 20900	Nov 18 1985
MAXIMUM PEAK STAGE			7.82	Nov 1	14.81	Nov 18 1985
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	32210		25940		32270	
ANNUAL RUNOFF (CFSM)	1.09		0.883		1.10	
ANNUAL RUNOFF (INCHES)	14.88		11.98		14.91	
10 PERCENT EXCEEDS	57		70		84	
50 PERCENT EXCEEDS	18		15		12	
90 PERCENT EXCEEDS	1.3		0.46		0.90	

¹From rating curve extended above 2,900 ft³/s on basis of contracted opening measurements at 12,900 ft³/s and 19,500 ft³/s

^eEstimated



ARKANSAS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV 2004 03...	0830	80513	80020	70	30	750	8.1	80	7.8	318	14.1	150	54.0
JAN 2005 19...	1330	80513	80020	59	30	755	10.4	89	8.1	303	8.1	140	50.7
MAR 10...	1300	80513	80020	32	30	746	14.2	131	8.4	302	10.8	140	49.6
APR 28...	0830	80513	80020	25	30	744	8.3	85	7.8	315	15.3	150	53.4
JUN 20...	1145	80513	80020	4.0	30	755	6.6	80	8.0	319	24.6	150	53.3
AUG 30...	1340	80513	80020	.00	30	745	7.5	99	7.8	288	28.6	130	47.0

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)	Nitrate, fltrd, mg/L as N (00618)
NOV 2004 03...	3.51	3.58	.2	4.82	6	7.61	E.1	18.2	180	.34	<.04	--	--
JAN 2005 19...	3.01	2.24	.2	4.27	6	6.83	E.1	13.2	167	.17	<.04	--	--
MAR 10...	3.12	2.02	.2	4.85	7	6.99	E.1	17.4	168	.16	<.04	10.5	2.36
APR 28...	3.18	2.25	.2	4.63	6	6.52	.1	14.8	181	.23	E.02	9.92	2.24
JUN 20...	3.37	3.10	.2	6.55	9	8.43	.1	15.1	188	.21	E.02	3.12	.70
AUG 30...	2.90	3.17	.3	7.06	10	9.93	.1	10.2	167	.16	<.04	--	--

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, unfltrd mg/L (00665)	Total nitrogen, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration mg/L (80154)
NOV 2004 03...	3.92	--	<.008	.212	.07	.08	.10	4.3	650	520	1260	95	34
JAN 2005 19...	4.66	--	<.008	.120	.04	.05	.06	4.8	76	82	76	96	41
MAR 10...	2.37	.026	.008	--	E.01	E.02	E.03	2.5	E7	E15	E2	86	2
APR 28...	2.26	.053	.016	.055	.02	E.03	E.03	2.5	62	89	125	71	5
JUN 20...	.71	.030	.009	.107	.04	.05	.06	.92	110	180	102	65	5
AUG 30...	.12	--	<.008	.083	.03	E.03	.05	.28	23	21	--	86	2

Date	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 03...	6.4	8010
JAN 2005 19...	6.5	8010
MAR 10...	.17	8010
APR 28...	.34	8010
JUN 20...	.05	8010
AUG 30...	--	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

219

07247000 POTEAU RIVER AT CAUTHRON

LOCATION.--Lat 34°55'08", long 94°17'58", in NW1/4SW1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of Scott County Road No. 56 bridge at Cauthron, 200 ft south of junction with State Hwy 28, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1037: 1939(M). WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above NGVD of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. As of September 1974, flow from 92.2 mi² 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1650	1960	30	112	86	195	28	12	3.8	2.9	2.0
2	1.3	1150	1370	36	326	74	176	25	25	3.7	2.5	1.9
3	1.2	841	1100	2720	384	69	145	24	66	3.6	2.2	2.0
4	1.3	793	871	3120	231	68	126	22	32	3.5	2.0	2.0
5	1.3	332	677	2330	184	62	116	21	22	3.6	1.8	1.9
6	0.64	195	827	2420	170	55	489	19	15	3.9	2.3	2.5
7	0.20	127	1720	1300	312	53	840	17	14	4.0	2.3	2.7
8	74	85	969	1070	246	57	422	18	13	3.9	2.1	e3.1
9	51	55	634	836	252	54	276	27	11	3.7	2.0	e2.7
10	7.0	39	407	546	204	48	211	28	9.7	3.5	2.1	2.4
11	16	1080	275	406	168	43	217	21	8.8	26	2.3	2.4
12	8.6	455	209	545	151	39	231	16	8.0	40	2.1	2.2
13	3.4	212	157	3890	211	35	162	13	7.2	12	2.1	2.4
14	1.6	134	115	1380	190	29	136	18	6.7	6.8	2.0	37
15	0.70	94	88	987	147	27	116	35	6.1	5.0	2.0	197
16	0.18	69	71	721	126	26	100	34	5.8	4.5	2.6	151
17	0.00	53	60	565	109	27	87	22	6.6	5.4	3.0	62
18	0.00	602	50	455	98	26	78	16	6.7	5.8	2.8	22
19	0.00	713	41	376	91	25	70	13	7.4	4.7	2.5	11
20	0.00	268	34	312	89	24	61	11	7.4	4.0	2.3	6.8
21	0.00	159	30	260	89	28	53	10	6.1	3.6	2.6	5.0
22	0.00	115	30	215	84	285	54	9.5	5.3	3.2	4.6	4.2
23	0.00	633	34	176	88	193	79	9.1	4.9	3.2	5.7	3.8
24	0.00	2610	31	153	123	128	61	9.0	4.6	3.4	3.7	3.9
25	0.02	1280	26	137	99	107	48	9.9	4.4	3.1	2.8	126
26	0.43	806	25	124	84	236	44	14	4.3	2.9	2.3	159
27	1.2	1030	28	108	77	1110	43	21	4.3	3.1	2.4	78
28	9.0	875	33	98	83	783	40	15	4.2	3.0	2.8	111
29	5.7	3770	33	104	---	417	36	14	4.1	3.5	2.9	474
30	52	4760	30	103	---	292	32	13	3.9	3.9	2.5	168
31	857	---	29	104	---	223	---	12	---	3.4	2.2	---
TOTAL	1095.17	24985	11964	25627	4528	4729	4744	564.5	336.5	187.7	80.4	1649.5
MEAN	35.3	833	386	827	162	153	158	18.2	11.2	6.05	2.59	55.0
MAX	857	4760	1960	3890	384	1110	840	35	66	40	5.7	474
MIN	0.00	39	25	30	77	24	32	9.0	3.9	2.9	1.8	1.9
AC-FT	2170	49560	23730	50830	8980	9380	9410	1120	667	372	159	3270

ARKANSAS RIVER BASIN

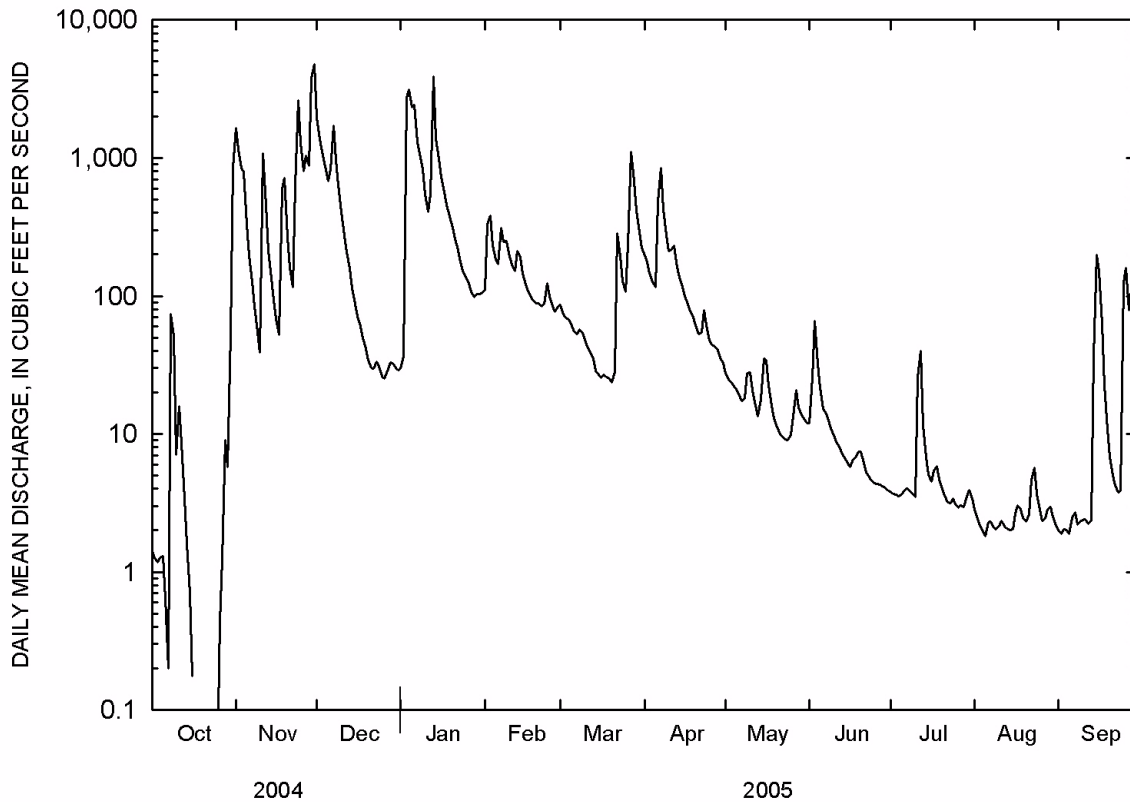
07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	95.0	282	360	312	393	418	344	420	201	66.1	17.2	22.1
MAX	1423	1900	1078	1075	1298	1185	1092	2080	846	455	93.7	166
(WY)	1985	1997	1983	1998	2001	2002	1991	1990	1986	2004	1996	1996
MIN	0.02	2.09	2.02	14.1	35.6	59.9	27.3	13.6	2.36	0.41	0.81	0.19
(WY)	1979	1996	1990	1981	1996	1986	2003	1977	1988	1980	1976	1980

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL TOTAL	90376.29		80489.87			
ANNUAL MEAN	247		221		1243	
HIGHEST ANNUAL MEAN					432 1985	
LOWEST ANNUAL MEAN					48.7 1976	
HIGHEST DAILY MEAN	5620	Jul 3	4760	Nov 30	16900	May 3 1990
LOWEST DAILY MEAN	0.00	Oct 17	0.00	Oct 17	0.00	Aug 30 1976
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 17	0.00	Oct 17	0.00	Oct 7 1978
MAXIMUM PEAK FLOW			8490	Nov 30	224000	May 3 1990
MAXIMUM PEAK STAGE			16.67	Nov 30	22.17	May 3 1990
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	179300		159700		176300	
10 PERCENT EXCEEDS	730		651		599	
50 PERCENT EXCEEDS	33		32		47	
90 PERCENT EXCEEDS	0.57		2.2		1.8	

¹Prior to regulation, water years 1940-74, 218 ft³/s
²Maximum discharge for period of record, 32,200 ft³/s May 20, 1960
³Maximum gage height for period of record, 23.76 ft May 20, 1960
^eEstimated



ARKANSAS RIVER BASIN

07247000 POTEAU RIVER AT CAUTHRON--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 27, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV 2004 03...	1430	80513	80020	882	10	758	7.9	83	7.0	62	17.4	15	2.58
JAN 2005 20...	0900	80513	80020	315	30	745	11.3	94	7.1	55	6.4	12	2.11
MAR 08...	0815	80513	80020	57	30	761	10.0	91	7.5	104	11.0	21	3.77
APR 27...	0830	80513	80020	43	30	762	7.2	76	7.3	98	17.4	19	3.30
JUN 21...	0900	80513	80020	6.3	30	765	6.2	76	7.6	168	25.9	25	4.11
AUG 29...	1230	80513	80020	3.0	30	756	5.0	66	7.4	363	28.8	29	4.14

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
NOV 2004 03...	2.01	2.49	.5	4.08	33	3.82	<.1	5.0	43	.57	<.04	.24	<.008
JAN 2005 20...	1.68	1.27	.5	4.23	40	3.55	<.1	6.1	32	.26	<.04	.19	<.008
MAR 08...	2.80	2.17	1	10.5	49	9.37	<.1	12.1	50	.42	<.04	<.06	<.008
APR 27...	2.65	2.48	.9	8.87	46	7.77	<.1	10.0	60	.53	E.02	.10	<.008
JUN 21...	3.50	5.53	2	21.3	59	15.3	E.1	15.3	95	.61	<.04	<.06	<.008
AUG 29...	4.59	11.1	4	52.0	72	53.1	.1	24.6	207	.78	<.04	<.06	<.008

Date	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci, MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 03...	.126	.04	.06	.12	.80	480	460	517	92	41	98	3052
JAN 2005 20...	--	<.02	<.04	E.03	.45	75	70	46	92	18	15	8010
MAR 08...	.077	.03	E.03	.09	--	23	E15	29	90	6	.92	8010
APR 27...	--	<.02	E.02	.06	.63	42	69	44	87	14	1.6	8010
JUN 21...	--	<.02	E.02	.07	--	60	50	93	79	10	.17	8010
AUG 29...	--	<.02	E.03	.07	--	49	66	--	92	4	.03	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT

LOCATION.--Lat 35°09'45", long 94°24'25", in NW1/4NW1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above NGVD of 1929. Prior to Oct. 1, 1990, at datum 2.00 ft higher.

REMARKS.--Water-discharge records good except discharges October 1 to November 1 and June 17 to September 30, which are fair due to seasonality, and estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	57	975	24	87	63	113	34	18	0.89	0.85	e1.4
2	19	63	512	22	164	49	138	26	38	0.81	0.98	e1.1
3	19	25	347	2280	350	43	109	23	37	0.78	1.1	e0.92
4	10	41	257	3070	179	39	92	21	18	0.78	1.0	e0.83
5	1.4	26	e286	1580	135	35	88	19	13	0.71	1.00	e0.78
6	1.3	13	e395	1820	130	30	848	17	10	0.99	1.1	e0.71
7	1.7	8.1	e1280	627	264	29	794	15	8.1	0.90	1.5	e0.68
8	2.5	4.5	e478	424	181	35	400	14	6.7	0.81	2.1	e0.65
9	2.7	2.9	e308	299	183	30	281	14	5.4	0.85	1.9	e0.61
10	3.3	2.1	e228	234	153	26	213	14	4.5	0.84	1.9	e0.58
11	3.6	7.7	157	207	117	23	304	13	3.7	0.92	1.8	e0.58
12	3.0	23	129	228	103	20	260	11	3.0	0.99	1.6	e0.71
13	3.0	12	104	4130	159	17	169	8.9	2.5	0.92	1.4	e2.7
14	2.9	6.4	81	806	141	17	136	18	2.0	0.85	1.2	12
15	2.9	3.9	68	455	97	13	114	22	1.6	0.80	1.4	35
16	3.0	3.0	62	334	81	12	96	16	1.4	0.87	e1.0	44
17	2.9	2.3	56	264	63	12	83	12	2.1	0.88	e0.95	23
18	2.8	272	50	220	58	11	73	10	2.5	0.86	e0.92	e15
19	2.5	185	44	193	55	10	66	9.1	2.2	0.84	e0.89	e12
20	2.7	68	38	170	59	11	59	8.3	1.7	0.79	e0.86	e10
21	2.7	40	37	151	59	24	51	7.5	1.4	0.75	e0.83	e8.1
22	2.8	28	35	129	50	84	58	6.9	1.3	0.68	e0.83	e7.4
23	3.4	421	32	105	56	60	52	7.5	1.1	0.67	e0.83	e6.4
24	3.6	1980	28	91	136	37	40	6.9	1.0	0.66	e0.95	e7.7
25	3.4	480	25	87	89	28	34	109	0.94	0.67	e4.2	17
26	3.4	220	25	80	65	51	34	50	0.89	0.63	17	e11
27	3.3	167	30	68	56	561	33	22	0.89	0.61	14	e6.1
28	3.4	127	36	63	60	462	30	15	0.91	0.63	e8.9	e4.6
29	3.7	2320	33	96	---	234	27	12	0.94	0.66	e5.1	30
30	5.2	3220	29	98	---	163	32	10	0.95	0.69	e3.4	33
31	7.6	---	26	85	---	117	---	8.4	---	0.73	e2.2	---
TOTAL	151.7	9828.9	6191	18440	3330	2346	4827	580.5	191.72	24.46	83.69	294.55
MEAN	4.89	328	200	595	119	75.7	161	18.7	6.39	0.79	2.70	9.82
MAX	19	3220	1280	4130	350	561	848	109	38	0.99	17	44
MIN	1.3	2.1	25	22	50	10	27	6.9	0.89	0.61	0.83	0.58
AC-FT	301	19500	12280	36580	6610	4650	9570	1150	380	49	166	584
CFSM	0.03	2.23	1.36	4.05	0.81	0.51	1.09	0.13	0.04	0.01	0.02	0.07
IN.	0.04	2.49	1.57	4.67	0.84	0.59	1.22	0.15	0.05	0.01	0.02	0.07

ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

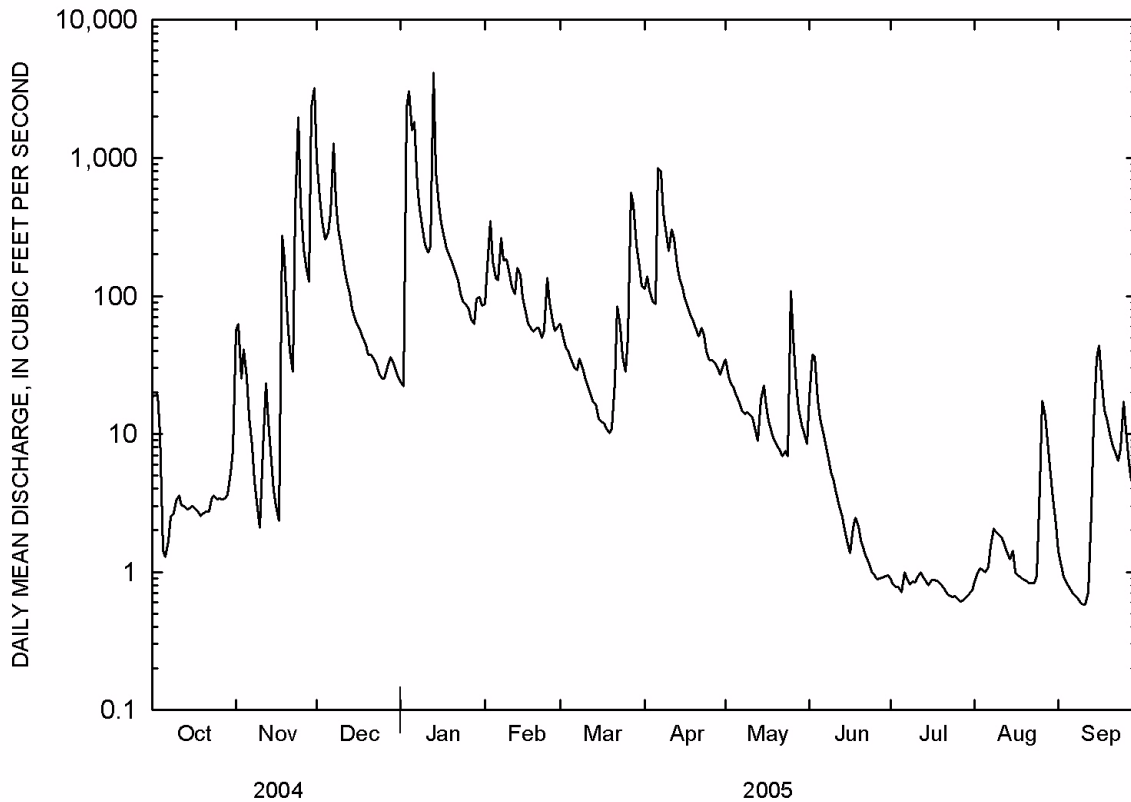
MEAN	67.0	153	200	171	215	272	238	264	99.4	52.9	10.3	18.5
MAX	867	915	760	820	727	996	1047	1203	342	768	81.7	159
(WY)	1985	1997	1972	1998	2001	2002	1973	1990	1989	2004	1981	1996
MIN	0.00	0.00	0.40	0.50	1.08	0.92	19.9	18.7	3.14	0.79	0.01	0.00
(WY)	1964	1964	1967	1964	1967	1967	2003	2005	1966	2005	1980	1963

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	72331.01		46289.52			
ANNUAL MEAN	198		127		145	
HIGHEST ANNUAL MEAN					308 1973	
LOWEST ANNUAL MEAN					29.5 1976	
HIGHEST DAILY MEAN	12600	Jul 3	4130	Jan 13	17100	May 14 1968
LOWEST DAILY MEAN	0.37	Aug 30	0.58	Sep 10	0.00	Aug 17 1963
ANNUAL SEVEN-DAY MINIMUM	0.38	Aug 27	0.65	Sep 6	0.00	Aug 17 1963
MAXIMUM PEAK FLOW			6680	Jan 13	¹ 30000	May 14 1968
MAXIMUM PEAK STAGE			22.46	Jan 13	² 25.00	May 14 1968
INSTANTANEOUS LOW FLOW			0.58	Jul 26-27	0.00	at times
ANNUAL RUNOFF (AC-FT)	143500		91820		105300	
ANNUAL RUNOFF (CFSM)	1.34		0.863		0.988	
ANNUAL RUNOFF (INCHES)	18.30		11.71		13.43	
10 PERCENT EXCEEDS	398		258		275	
50 PERCENT EXCEEDS	27		18		30	
90 PERCENT EXCEEDS	0.80		0.86		1.6	

¹From rating curve extended above 20,000 ft³/s

²At present datum

^eEstimated



ARKANSAS RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV 2004 03...	1645	80513	80020	5.3	30	761	6.7	70	7.2	543	17.2	170	30.2
JAN 2005 20...	1315	80513	80020	168	30	744	10.9	93	7.4	197	7.6	63	10.5
MAR 08...	1015	80513	80020	35	30	766	9.3	84	7.6	244	11.1	76	12.5
APR 27...	1300	80513	80020	33	30	764	11.2	116	7.3	235	17.2	76	12.1
JUN 21...	1300	80513	80020	1.5	30	765	5.5	69	7.5	355	26.5	100	16.2
AUG 29...	1430	80513	80020	10	30	757	5.8	72	7.4	113	26.6	32	5.05

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt, mg/L (70300)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)
NOV 2004 03...	23.7	3.69	1	32.3	28	62.6	.2	90.9	305	.36	--	<.04	--
JAN 2005 20...	8.99	1.66	.6	10.7	26	8.56	E.1	36.3	121	.21	--	<.04	--
MAR 08...	10.8	1.77	.8	16.6	32	12.8	.1	46.3	130	.30	--	<.04	--
APR 27...	11.1	1.88	.8	15.4	30	9.91	.1	41.2	139	.31	--	<.04	--
JUN 21...	15.6	2.71	1	29.9	38	27.0	.2	47.9	199	.36	--	E.03	--
AUG 29...	4.78	1.67	.6	7.67	33	3.42	.1	13.0	66	.42	.08	.06	1.30

Date	Nitrate, water, fltrd, mg/L as N (00618)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L (71856)	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd, mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm (70331)
NOV 2004 03...	--	.13	--	<.008	--	<.02	<.04	.04	.49	270	240	334	100
JAN 2005 20...	--	.30	--	<.008	--	<.02	<.04	E.02	.52	110	98	70	95
MAR 08...	--	<.06	--	<.008	--	<.02	<.04	<.04	--	25	30	27	93
APR 27...	--	E.03	--	<.008	--	<.02	<.04	E.02	--	48	79	50	94
JUN 21...	--	<.06	--	<.008	--	<.02	<.04	E.03	--	58	40	E25	97
AUG 29...	.29	.32	.082	.025	.37	<.02	<.04	.04	.74	53	100	--	95

Date	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 03...	69	.99	8010
JAN 2005 20...	33	15	8010
MAR 08...	7	.66	8010
APR 27...	11	.98	8010
JUN 21...	10	.04	8010
AUG 29...	12	.32	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

225

07249800 LEE CREEK AT SHORT, OKLAHOMA

LOCATION.--Lat 35°33'57", long 94°31'56", 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 mi².

PERIOD OF RECORD.--October 1999 to current year. Occasional low-flow measurements water years 1958-63 and 1987-89.

REVISED RECORDS.--WDR Ark. 2002: 2000 (M)

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	5110	1170	46	121	312	460	238	38	7.6	0.00	4.2
2	8.4	1390	861	48	124	267	570	177	37	7.1	0.00	4.1
3	7.9	755	666	2700	145	237	458	146	33	5.8	0.00	4.2
4	7.6	803	533	8240	164	214	385	125	31	5.0	0.00	5.6
5	7.1	520	506	5750	156	193	342	108	38	4.2	0.00	4.9
6	7.1	351	879	3230	160	171	1870	95	43	3.7	0.02	4.1
7	8.4	260	2540	1610	370	161	2110	84	64	3.1	0.03	3.6
8	12	196	1400	1130	411	168	1240	79	58	2.5	1.5	2.6
9	14	152	978	851	363	161	913	81	47	2.0	3.4	1.6
10	16	127	743	688	321	143	721	83	37	1.4	3.0	0.84
11	20	638	570	581	278	129	1740	77	32	1.0	2.5	0.04
12	18	670	469	666	255	117	1390	68	27	0.90	2.0	0.00
13	19	420	382	3400	352	108	944	e54	23	0.91	1.9	0.00
14	18	301	304	1420	480	98	725	e121	22	0.96	1.9	0.00
15	15	235	e256	972	389	89	579	e187	19	1.2	2.1	0.00
16	13	192	221	744	334	82	469	e112	19	1.0	2.6	0.00
17	11	161	195	594	282	76	388	e83	36	2.4	4.4	0.00
18	10	291	171	485	247	71	326	e66	57	2.5	6.4	0.00
19	9.3	988	152	414	225	66	279	e58	50	2.5	5.8	0.00
20	8.6	642	134	361	211	62	242	e52	32	2.3	4.5	0.00
21	7.8	460	121	316	202	92	211	e46	25	1.1	4.4	0.00
22	8.4	360	109	274	208	1340	179	e38	20	0.38	5.0	0.00
23	9.5	311	e95	227	281	946	152	e55	17	0.02	5.9	0.00
24	9.8	1220	83	192	676	660	131	e69	14	0.00	6.2	0.00
25	11	1250	e74	175	540	639	115	e88	13	0.00	6.2	0.00
26	12	835	67	163	440	610	122	e76	11	0.00	5.7	0.00
27	11	858	61	145	381	631	139	e70	9.8	0.23	5.2	0.00
28	14	910	57	133	356	724	119	e63	8.7	0.34	5.0	0.00
29	15	743	54	135	---	620	200	e54	7.7	0.26	4.1	0.00
30	31	1160	52	139	---	521	385	e49	6.8	0.20	3.9	0.00
31	67	---	49	132	---	428	---	e43	---	0.05	4.2	---
TOTAL	435.7	22309	13952	35961	8472	10136	17904	2745	876.0	60.65	97.85	35.78
MEAN	14.1	744	450	1160	303	327	597	88.5	29.2	1.96	3.16	1.19
MAX	67	5110	2540	8240	676	1340	2110	238	64	7.6	6.4	5.6
MIN	7.1	127	49	46	121	62	115	38	6.8	0.00	0.00	0.00
AC-FT	864	44250	27670	71330	16800	20100	35510	5440	1740	120	194	71
CFSM	0.06	3.15	1.91	4.92	1.28	1.39	2.53	0.38	0.12	0.01	0.01	0.01
IN.	0.07	3.52	2.20	5.67	1.34	1.60	2.82	0.43	0.14	0.01	0.02	0.01

ARKANSAS RIVER BASIN

07249800 LEE CREEK AT SHORT, OKLAHOMA--CONTINUED

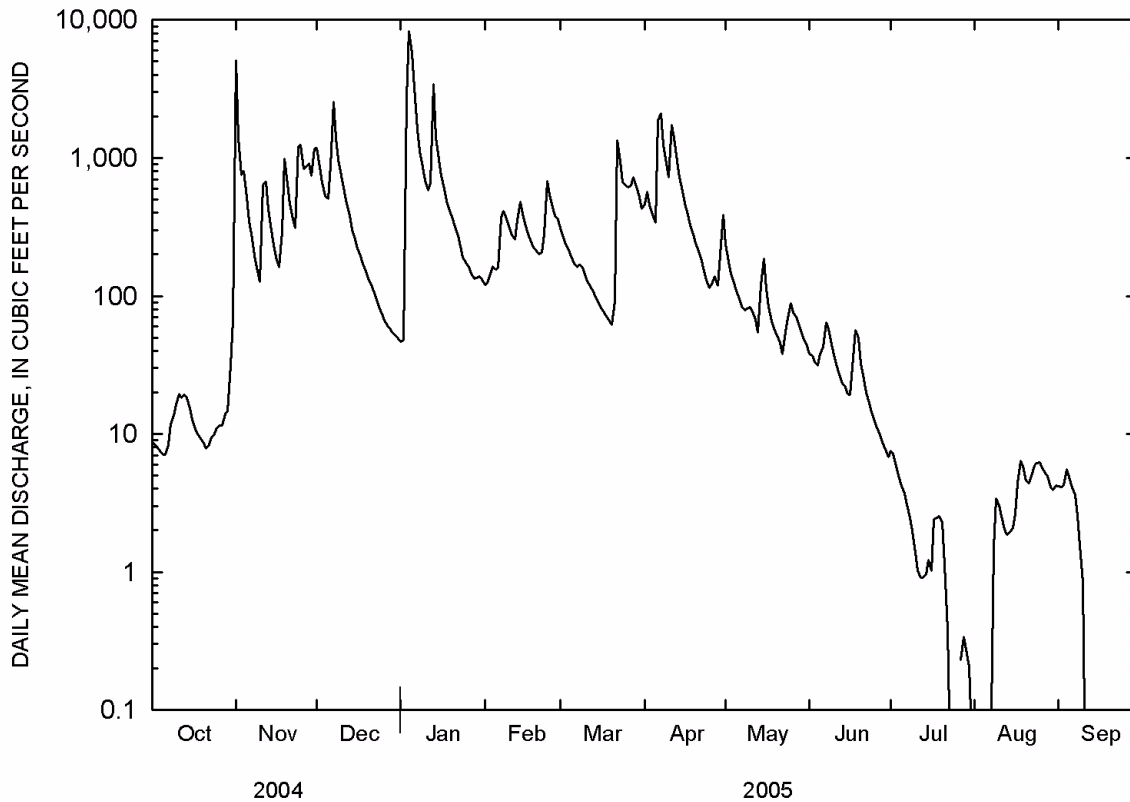
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	45.4	260	346	433	509	555	691	314	413	175	25.8	6.38
MAX	127	744	887	1160	1488	1286	1920	724	1851	840	82.1	20.2
(WY)	2002	2005	2002	2005	2001	2002	2004	2000	2000	2004	2004	2003
MIN	0.04	0.21	21.9	56.7	65.9	242	100	88.5	29.2	1.96	1.00	0.27
(WY)	2003	2003	2003	2003	2000	2003	2003	2005	2005	2005	2001	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	186721.3		112984.98			
ANNUAL MEAN	510		310		313	
HIGHEST ANNUAL MEAN					461 2004	
LOWEST ANNUAL MEAN					123 2003	
HIGHEST DAILY MEAN	25300	Apr 24	8240	Jan 4	25600	Jun 21 2000
LOWEST DAILY MEAN	7.1	Oct 5	0.00	Jul 24	0.00	Oct 15 1999
ANNUAL SEVEN-DAY MINIMUM	7.9	Oct 1	0.00	Sep 12	0.00	Oct 15 1999
MAXIMUM PEAK FLOW			15400	Jan 4	¹ 63500	Apr 24 2004
MAXIMUM PEAK STAGE			15.95	Jan 4	25.40	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	370400		224100		226600	
ANNUAL RUNOFF (CFSM)	2.16		1.31		1.33	
ANNUAL RUNOFF (INCHES)	29.43		17.81		18.00	
10 PERCENT EXCEEDS	959		748		690	
50 PERCENT EXCEEDS	208		79		67	
90 PERCENT EXCEEDS	12		0.36		1.1	

¹From rating curve extended above 17,000 ft³/s on basis of HEC-RAS V. 3.0 measurement of peak flow

^eEstimated



ARKANSAS RIVER BASIN

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07249870 LITTLE LEE CREEK NEAR GREASY, OKLAHOMA

LOCATION.--Lat 35°39'07", long 94°37'18", in NE1/4NW1/4 sec.35, T.14 N., R.25 E., Adair County, Oklahoma, Hydrologic Unit 11110104, on right bank downstream from bridge on graveled county road, 4.6 mi southeast of Greasy, Oklahoma, 5.9 mi northwest of Nicut, Oklahoma, and 8.3 mi west of the Oklahoma-Arkansas State Line.

DRAINAGE AREA.--51.3 mi².

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except discharges above 200 ft³/s, which are fair and estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1700	145	15	28	56	257	89	17	6.0	3.9	e1.0
2	3.8	339	112	15	31	51	228	64	17	7.0	4.0	e0.84
3	3.1	264	92	1050	38	48	174	50	11	11	3.2	e0.68
4	2.9	215	76	1640	36	45	144	41	8.7	8.7	2.5	e0.46
5	2.2	129	96	1420	35	40	137	39	14	6.9	2.1	e0.38
6	1.8	93	264	730	43	51	502	43	23	7.9	3.5	e0.21
7	3.3	70	667	442	70	61	386	45	26	9.8	5.9	e0.13
8	6.2	54	279	317	62	39	269	44	24	9.2	6.8	e0.08
9	4.6	43	200	246	58	36	211	37	13	7.6	5.6	0.00
10	5.5	40	133	203	50	33	173	43	11	9.0	5.0	0.00
11	7.0	270	106	177	45	37	567	45	9.1	6.6	4.5	0.00
12	4.4	139	90	380	51	58	383	29	9.5	6.4	e3.9	0.00
13	4.8	95	72	955	89	28	265	25	e11	7.3	3.2	0.00
14	4.9	72	61	337	75	25	201	20	7.6	3.2	2.3	0.90
15	4.6	58	53	224	69	23	156	14	8.2	4.1	1.6	2.9
16	4.1	49	46	167	e56	22	125	15	11	4.3	2.6	2.9
17	5.2	42	42	129	e45	24	103	21	183	5.7	4.3	2.4
18	7.6	87	38	104	42	30	86	25	103	6.6	e6.5	2.1
19	4.0	119	34	87	46	20	72	22	38	6.3	3.2	1.8
20	3.9	87	42	76	51	23	61	24	26	6.0	3.2	1.7
21	3.9	70	28	67	41	112	54	18	19	6.2	3.8	1.6
22	6.0	63	24	54	34	313	44	18	18	5.8	3.6	1.4
23	7.2	61	21	45	71	180	38	23	15	5.3	3.2	1.4
24	4.7	153	19	42	115	130	36	23	12	5.2	e2.9	1.5
25	4.9	137	18	44	88	152	39	23	10	5.3	e2.7	2.4
26	6.3	107	16	35	79	133	152	16	9.6	4.2	e2.4	2.1
27	5.5	92	16	31	83	165	81	10	8.4	2.6	e2.1	2.4
28	9.2	79	17	31	66	171	101	14	9.4	2.8	e1.9	2.7
29	11	80	16	33	---	143	172	17	8.2	3.9	e1.7	2.6
30	11	146	17	32	---	120	146	14	5.7	4.3	e1.4	2.8
31	126	---	15	30	---	99	---	17	---	3.9	e1.2	---
TOTAL	282.4	4953	2855	9158	1597	2468	5363	928	686.4	189.1	104.7	39.38
MEAN	9.11	165	92.1	295	57.0	79.6	179	29.9	22.9	6.10	3.38	1.31
MAX	126	1700	667	1640	115	313	567	89	183	11	6.8	2.9
MIN	1.8	40	15	15	28	20	36	10	5.7	2.6	1.2	0.00
AC-FT	560	9820	5660	18160	3170	4900	10640	1840	1360	375	208	78

ARKANSAS RIVER BASIN

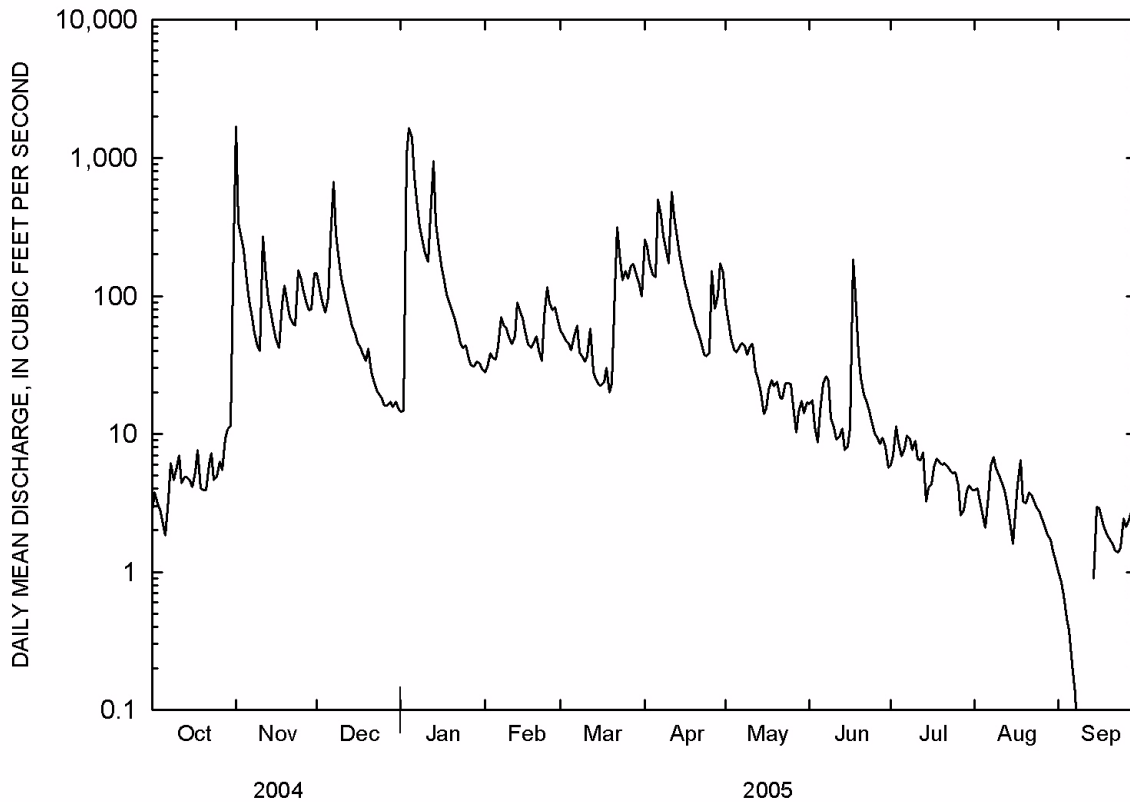
07249870 LITTLE LEE CREEK NEAR GREASY, OKLAHOMA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	11.9	64.3	64.5	104	91.6	103	135	51.9	35.8	39.3	7.62	2.90
MAX	27.3	165	123	295	211	209	261	128	82.8	165	16.2	6.38
(WY)	2002	2005	2002	2005	2001	2002	2004	2003	2003	2004	2004	2003
MIN	0.89	2.32	9.77	10.9	44.2	38.3	18.7	28.3	12.3	4.70	0.26	1.20
(WY)	2003	2003	2003	2003	2003	2001	2001	2002	2002	2002	2001	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	32579.4		28623.98			
ANNUAL MEAN	89.0		78.4		59.1	
HIGHEST ANNUAL MEAN					78.4 2005	
LOWEST ANNUAL MEAN					30.6 2003	
HIGHEST DAILY MEAN	2780	Apr 24	1700	Nov 1	2780	Apr 24 2004
LOWEST DAILY MEAN	1.1	Sep 22	0.00	Sep 9	0.00	Aug 13 2001
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 18	0.03	Sep 7	0.00	Aug 18 2001
MAXIMUM PEAK FLOW			4430	Nov 1	6470	Apr 24 2004
MAXIMUM PEAK STAGE			10.10	Nov 1	12.71	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	64620		56780		42800	
10 PERCENT EXCEEDS	157		173		130	
50 PERCENT EXCEEDS	36		25		18	
90 PERCENT EXCEEDS	3.9		2.5		2.0	

Estimated



ARKANSAS RIVER BASIN

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07249920 LITTLE LEE CREEK NEAR SHORT, OKLAHOMA

LOCATION.--Lat 35°34'15", long 94°33'39", in SW1/4NW1/4 sec.28, T.13 N., R.26 W., Sequoyah County, Oklahoma, Hydrologic Unit 11110104, on downstream right bridge abutment on Oklahoma State Road 101, approximately 2 mi northwest of Short, Oklahoma, and 6.9 mi west of the Arkansas-Oklahoma State Line.

DRAINAGE AREA.--102 mi².

PERIOD OF RECORD.--October 2000 to current year. Prior to October 2004 published as 07249910 Little Lee Creek near Short, Oklahoma.

REVISED RECORDS.--WDR Ark. 2002: (M) 2001.

GAGE.--Water-stage recorder.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.95	3260	304	36	91	148	282	116	18	6.6	0.25	0.28
2	1.0	618	234	35	93	136	305	98	18	6.6	0.19	0.20
3	0.91	419	191	1410	105	127	238	88	16	5.0	0.12	0.14
4	1.3	388	162	2910	105	120	201	78	17	4.0	0.07	0.27
5	1.8	231	179	2310	101	113	186	71	28	4.4	0.06	0.22
6	1.7	168	325	1120	110	107	744	65	44	3.7	0.45	0.11
7	2.7	132	1040	585	173	101	588	58	36	3.0	0.35	0.04
8	6.9	106	483	386	165	96	353	58	30	2.5	0.19	0.02
9	5.4	89	337	287	159	91	273	60	25	2.1	0.08	0.02
10	5.7	79	252	231	146	86	229	53	22	1.7	0.07	0.01
11	9.2	313	199	198	136	82	777	48	20	2.3	0.10	0.02
12	7.5	230	169	449	131	78	505	42	17	1.9	0.10	0.02
13	6.1	167	142	1820	194	75	310	36	15	1.6	0.07	0.02
14	5.7	133	121	598	200	71	246	41	14	1.4	0.13	0.02
15	5.6	111	108	378	172	68	207	36	12	1.9	0.30	0.06
16	5.3	96	99	274	152	66	179	32	11	3.8	0.48	0.20
17	5.1	88	90	215	137	65	160	29	68	2.8	6.2	0.08
18	4.9	130	83	178	127	62	144	26	65	2.1	6.2	0.02
19	4.5	217	77	156	120	59	131	26	36	2.5	3.6	0.10
20	4.1	169	71	139	117	56	120	23	25	3.6	2.1	0.28
21	4.2	138	67	126	113	124	e109	15	20	1.9	1.7	0.35
22	4.9	122	61	111	107	552	100	14	17	1.2	1.2	0.35
23	5.8	116	55	95	194	308	91	18	14	1.0	1.5	0.29
24	6.3	371	50	88	312	225	82	31	13	1.2	2.1	0.21
25	7.5	333	46	e94	237	221	78	30	11	0.81	2.1	1.3
26	6.4	236	45	e95	196	202	122	26	9.0	0.63	1.4	0.77
27	6.4	223	42	96	173	228	110	22	7.7	0.70	1.3	0.34
28	10	186	39	94	165	245	98	19	6.7	0.72	0.98	0.24
29	11	188	37	98	---	211	131	17	5.7	0.48	0.77	0.39
30	15	307	37	98	---	182	155	15	5.2	0.36	0.57	0.30
31	53	---	37	95	---	156	---	14	---	0.29	0.37	---
TOTAL	216.86	9364	5182	14805	4231	4461	7254	1305	646.3	72.79	35.10	6.67
MEAN	7.00	312	167	478	151	144	242	42.1	21.5	2.35	1.13	0.22
MAX	53	3260	1040	2910	312	552	777	116	68	6.6	6.2	1.3
MIN	0.91	79	37	35	91	56	78	14	5.2	0.29	0.06	0.01
AC-FT	430	18570	10280	29370	8390	8850	14390	2590	1280	144	70	13

ARKANSAS RIVER BASIN

07249920 LITTLE LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

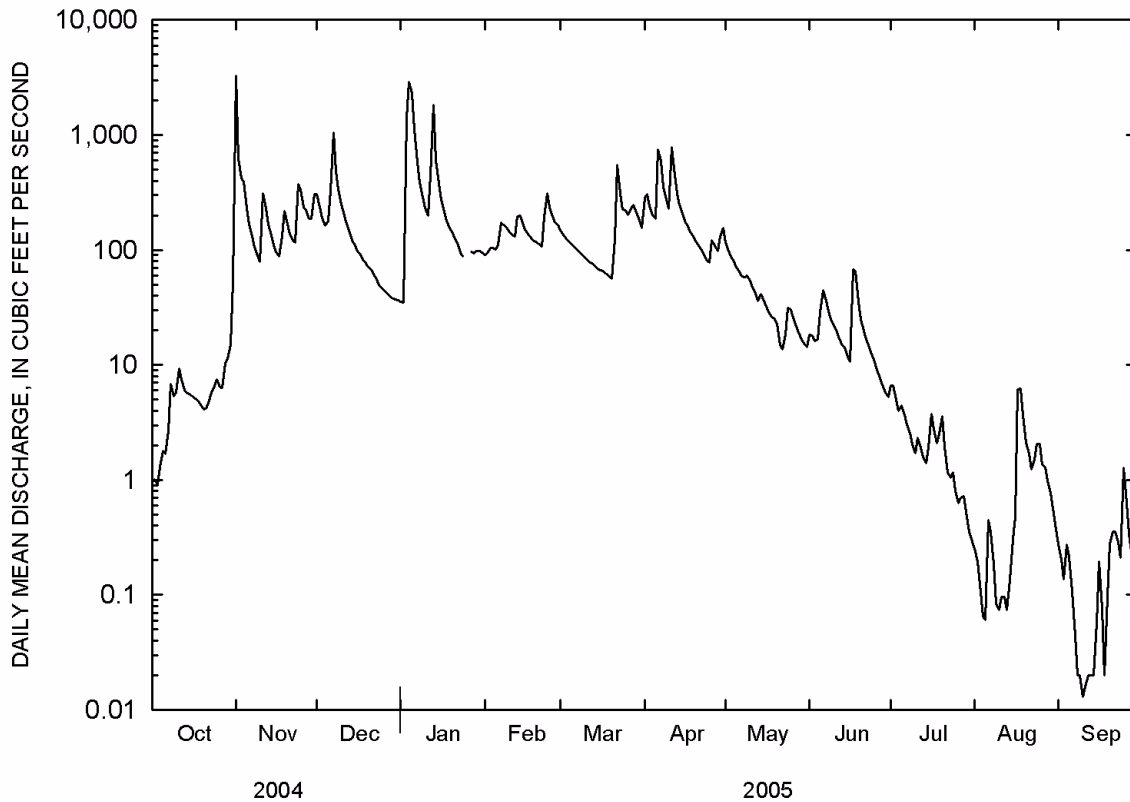
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	22.3	134	136	189	196	198	244	85.9	59.8	78.1	7.44	1.69
MAX	61.7	312	288	478	505	362	586	168	151	370	23.2	4.68
(WY)	2002	2005	2002	2005	2001	2002	2004	2003	2004	2004	2004	2003
MIN	0.00	1.56	11.4	13.3	72.5	84.3	43.3	30.0	17.4	2.35	0.07	0.22
(WY)	2003	2003	2003	2003	2003	2003	2001	2002	2002	2005	2001	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	70548.59		47579.72			
ANNUAL MEAN	193		130		112	
HIGHEST ANNUAL MEAN					169 2004	
LOWEST ANNUAL MEAN					40.9 2003	
HIGHEST DAILY MEAN	6140	Apr 24	3260	Nov 1	6140	Apr 24 2004
LOWEST DAILY MEAN	0.49	Sep 27	0.01	Sep 10	0.00	Oct 2 2000
ANNUAL SEVEN-DAY MINIMUM	0.72	Sep 26	0.02	Sep 8	0.00	Oct 2 2000
MAXIMUM PEAK FLOW			19640	Nov 1	116600	Apr 24 2004
MAXIMUM PEAK STAGE			11.22	Nov 1	13.78	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	139900		94370		81200	
10 PERCENT EXCEEDS	376		273		222	
50 PERCENT EXCEEDS	82		53		31	
90 PERCENT EXCEEDS	3.6		0.30		0.37	

¹At former site and datum

^eEstimated



ARKANSAS RIVER BASIN

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07249985 LEE CREEK NEAR SHORT, OKLAHOMA

LOCATION.--Lat 35°31'02", long 94°27'51", 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 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). WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 429.44 ft above NGVD of 1929. 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 fair except estimated daily discharges, which are poor. 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	7720	2380	120	323	668	982	454	79	18	3.0	2.0
2	6.4	3100	1660	130	347	580	1240	344	86	18	3.2	1.5
3	6.0	1660	1240	5420	395	513	1010	290	69	15	2.7	1.3
4	6.0	1730	981	13600	417	472	863	248	60	13	2.3	1.5
5	5.9	1080	1090	10100	410	425	779	217	89	12	2.1	1.5
6	5.6	767	1900	6820	419	377	3650	189	104	11	2.2	1.2
7	6.9	570	5150	3790	726	363	4400	176	117	10	2.2	1.1
8	14	452	3060	2630	820	370	2600	173	108	9.4	2.2	1.4
9	15	348	2060	1930	761	351	1840	177	91	8.8	2.1	0.64
10	17	307	1470	1520	682	320	1400	162	79	8.7	2.4	0.37
11	26	1250	1100	1270	603	302	3370	145	67	10	3.2	0.44
12	26	1300	890	1260	566	275	2910	134	57	9.3	2.9	0.35
13	25	841	725	6500	796	256	1900	111	54	7.6	2.5	0.26
14	26	625	603	3230	980	236	1420	231	51	6.8	2.5	0.69
15	22	504	510	2120	828	219	1120	334	42	6.6	2.7	1.6
16	20	427	449	1530	702	207	910	218	37	6.9	2.6	1.7
17	18	369	393	1200	603	198	755	160	75	7.5	4.3	1.1
18	16	741	351	990	529	186	640	126	147	10	5.1	0.81
19	15	1860	312	852	485	175	549	108	113	9.5	6.7	0.77
20	14	1200	283	751	471	167	490	97	78	10	6.1	0.85
21	13	867	259	667	447	435	436	85	60	11	3.7	1.1
22	13	694	233	586	433	2710	384	71	49	8.5	3.5	0.86
23	14	640	209	496	721	1870	336	98	39	8.2	3.2	0.95
24	14	2850	185	451	1400	1250	292	124	33	9.4	2.7	1.1
25	19	2680	169	417	1120	1140	266	155	29	e8.3	2.7	2.0
26	20	1640	158	390	906	1100	304	134	24	e7.0	3.2	2.1
27	20	1470	145	355	794	1220	335	122	21	e5.8	3.0	1.3
28	24	1580	136	337	748	1390	288	110	19	e4.4	2.9	0.78
29	29	1400	130	352	---	1190	360	94	17	e3.8	2.6	0.72
30	46	2340	127	353	---	994	692	84	15	3.3	2.4	0.63
31	94	---	123	344	---	840	---	76	---	3.2	2.4	---
TOTAL	603.6	43012	28481	70511	18432	20799	36521	5247	1909	281.0	95.3	32.62
MEAN	19.5	1434	919	2275	658	671	1217	169	63.6	9.06	3.07	1.09
MAX	94	7720	5150	13600	1400	2710	4400	454	147	18	6.7	2.1
MIN	5.6	307	123	120	323	167	266	71	15	3.2	2.1	0.26
AC-FT	1200	85310	56490	139900	36560	41250	72440	10410	3790	557	189	65
CFSM	0.05	3.41	2.19	5.42	1.57	1.60	2.90	0.40	0.15	0.02	0.01	0.00
IN.	0.05	3.81	2.52	6.25	1.63	1.84	3.23	0.46	0.17	0.02	0.01	0.00

ARKANSAS RIVER BASIN

07249985 LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931-37, 1951-05, BY WATER YEAR (WY)

MEAN	222	548	570	590	758	1065	1101	898	454	147	45.5	123
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	0.00	0.13	1.95	3.31	18.8	25.2	94.6	41.3	7.00	0.19	0.00	0.00
(WY)	1957	1957	1967	1956	1967	1967	1954	1977	1936	1936	1934	1954

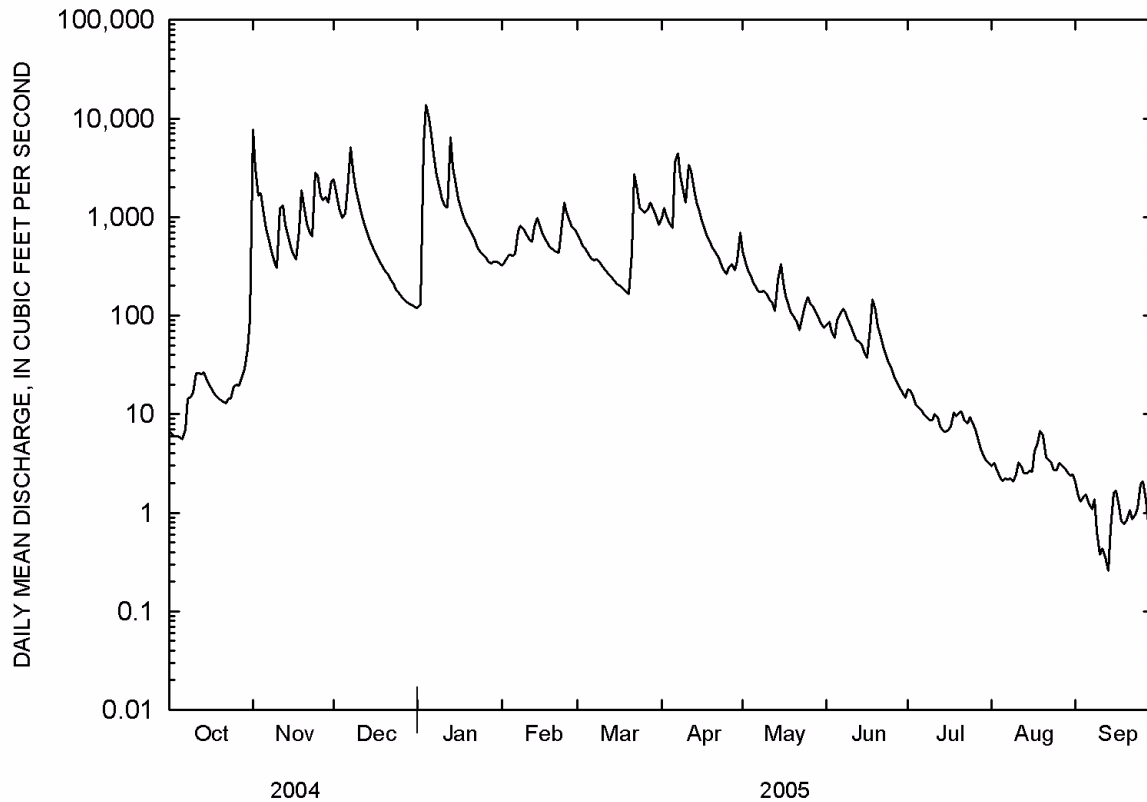
SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1931-37, 1951-05

ANNUAL TOTAL	327457.4		225924.52				
ANNUAL MEAN	895		619		542		
HIGHEST ANNUAL MEAN					1090 1935		
LOWEST ANNUAL MEAN					92.5 1954		
HIGHEST DAILY MEAN	38800	Apr 24	13600	Jan 4	41100	Jun 21	2000
LOWEST DAILY MEAN	4.9	Sep 23	0.26	Sep 13	0.00	Sep 8	1932
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 18	0.59	Sep 8	0.00	Sep 8	1932
MAXIMUM PEAK FLOW			19800	Jan 4	a Apr 24 2004		
MAXIMUM PEAK STAGE			14.14	Jan 4	130.30	May 6	1960
INSTANTANEOUS LOW FLOW			0.00	Sep 12,14	0.00	at times	
ANNUAL RUNOFF (AC-FT)	649500		448100		392500		
ANNUAL RUNOFF (CFSM)	2.13		1.47		1.29		
ANNUAL RUNOFF (INCHES)	29.00		20.01		17.52		
10 PERCENT EXCEEDS	1820		1520		1240		
50 PERCENT EXCEEDS	344		173		132		
90 PERCENT EXCEEDS	14		2.4		2.2		

¹At former site and datum, 27.77 at current site and datum April 24, 2004

^aUndetermined

^eEstimated



ARKANSAS RIVER BASIN

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07249985 LEE CREEK NEAR SHORT, OKLAHOMA--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1992 to current year.

REMARKS.--WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 for this station for the period October 1995 to September 1997 published under station number 07250085.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)
NOV 2004 03...	1045	80513	80020	1460	30	764	9.1	92	7.4	92	16.1	36	11.8
JAN 2005 21...	0845	80513	80020	671	30	745	11.1	94	7.7	79	7.0	31	10.3
MAR 07...	1315	80513	80020	361	30	757	10.6	100	7.4	80	12.6	32	10.5
APR 26...	1415	80513	80020	351	30	759	9.4	99	7.3	62	18.0	34	11.1
JUN 20...	1430	80513	80020	82	30	770	6.8	87	7.6	107	29.3	44	14.6
AUG 30...	1050	80513	80020	2.4	30	759	5.2	68	7.7	109	29.3	41	13.1

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)
NOV 2004 03...	1.56	1.47	.2	2.08	11	3.01	<.1	4.8	53	.26	<.04	.44	<.008
JAN 2005 21...	1.33	.85	.2	2.00	12	2.43	<.1	4.8	44	E.07	<.04	.31	E.004
MAR 07...	1.39	.83	.2	2.30	13	2.84	<.1	5.3	42	E.09	<.04	E.04	<.008
APR 26...	1.49	1.03	.2	2.39	13	2.67	E.1	4.9	51	E.07	<.04	.07	<.008
JUN 20...	1.70	1.33	.2	3.11	13	3.92	E.1	4.9	68	.12	<.04	E.05	<.008
AUG 30...	1.98	1.50	.2	3.50	15	4.56	E.1	3.8	68	.21	<.04	<.06	<.008

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Pheophytin a, phytoplankton, ug/L (62360)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diameter <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 2004 03...	<.02	<.04	.04	.70	--	E830	440	1200	--	96	33	130	8010
JAN 2005 21...	<.02	<.04	<.04	--	.1	50	78	48	.6	96	16	29	8010
MAR 07...	<.02	<.04	<.04	--	.6	E18	E24	E26	.6	83	6	5.8	8010
APR 26...	<.02	<.04	<.04	--	.4	E2	E7	E12	.2	58	8	7.6	8010
JUN 20...	<.02	<.04	<.04	--	1.1	42	42	40	1.5	79	7	1.5	8010
AUG 30...	<.02	<.04	<.04	--	1.6	E7	E8	--	1.8	94	12	.08	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

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 NGVD of 1929.

REMARKS.--Water-discharge records poor. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	6430	2340	84	266	677	590	413	128	4.7	0.00	0.00
2	0.00	5510	2340	85	271	567	941	298	140	8.7	0.00	0.00
3	0.00	1830	2000	3020	283	513	908	282	140	0.00	0.00	0.00
4	0.00	1870	1510	15200	329	443	752	272	127	0.00	0.00	0.00
5	0.00	1210	1260	14200	344	421	674	261	132	0.00	0.00	0.00
6	0.00	780	1520	11300	350	423	2190	242	140	0.00	0.00	0.00
7	0.00	1050	3810	6560	412	358	6140	206	153	0.00	0.00	0.00
8	0.00	980	5060	4280	607	331	4460	206	155	0.00	0.00	0.00
9	0.00	736	3500	2790	739	262	3380	197	126	0.00	0.00	0.00
10	0.00	515	2300	1960	743	307	3080	164	103	0.00	0.00	0.00
11	0.00	777	1500	1540	681	250	3230	188	97	0.00	0.00	0.00
12	0.00	1390	1140	1310	658	218	3880	188	91	0.00	0.00	0.00
13	0.00	1060	952	4980	673	233	e2950	159	81	0.00	0.00	0.00
14	0.00	825	810	5840	786	192	2280	211	67	0.00	0.00	0.00
15	0.00	759	661	3760	855	181	1830	284	42	0.00	0.00	0.00
16	0.00	592	616	2300	780	193	1570	247	18	0.00	0.00	0.00
17	0.00	496	529	1630	728	186	1300	174	19	0.00	0.00	0.00
18	0.00	543	447	1280	632	171	1080	184	111	0.00	0.00	0.00
19	0.00	1310	389	1090	533	163	909	183	154	0.00	0.00	0.00
20	0.00	1660	328	873	518	173	741	149	117	0.00	0.00	0.00
21	0.00	1700	285	827	453	251	572	125	90	0.00	0.00	0.00
22	0.00	1540	243	794	378	1290	470	125	69	0.00	0.00	0.00
23	0.00	1280	193	687	379	2100	318	140	60	0.00	0.00	0.00
24	0.00	1560	160	629	618	1330	275	189	45	0.00	0.00	0.00
25	0.00	3360	120	561	720	919	273	218	22	0.00	0.00	0.00
26	0.00	2820	106	489	789	945	295	216	3.4	0.00	0.00	0.00
27	0.00	2030	96.0	455	828	943	320	206	0.00	0.00	0.00	0.00
28	0.00	1820	160	404	756	911	267	199	0.00	0.00	0.00	0.00
29	0.00	1640	85	372	---	888	250	166	0.00	0.00	0.00	0.00
30	0.00	1800	85	339	---	759	362	155	0.23	0.00	0.00	0.00
31	0.00	---	84	294	---	763	---	141	---	0.00	0.00	---
TOTAL	0.00	49873	34629.0	89933	16109	17361	46287	6388	2430.63	13.40	0.00	0.00
MEAN	0.00	1662	1117	2901	575	560	1543	206	81.0	0.43	0.00	0.00
MAX	0.00	6430	5060	15200	855	2100	6140	413	155	8.7	0.00	0.00
MIN	0.00	496	84	84	266	163	250	125	0.00	0.00	0.00	0.00
AC-FT	0.00	98920	68690	178400	31950	34440	91810	12670	4820	27	0.00	0.00

ARKANSAS RIVER BASIN

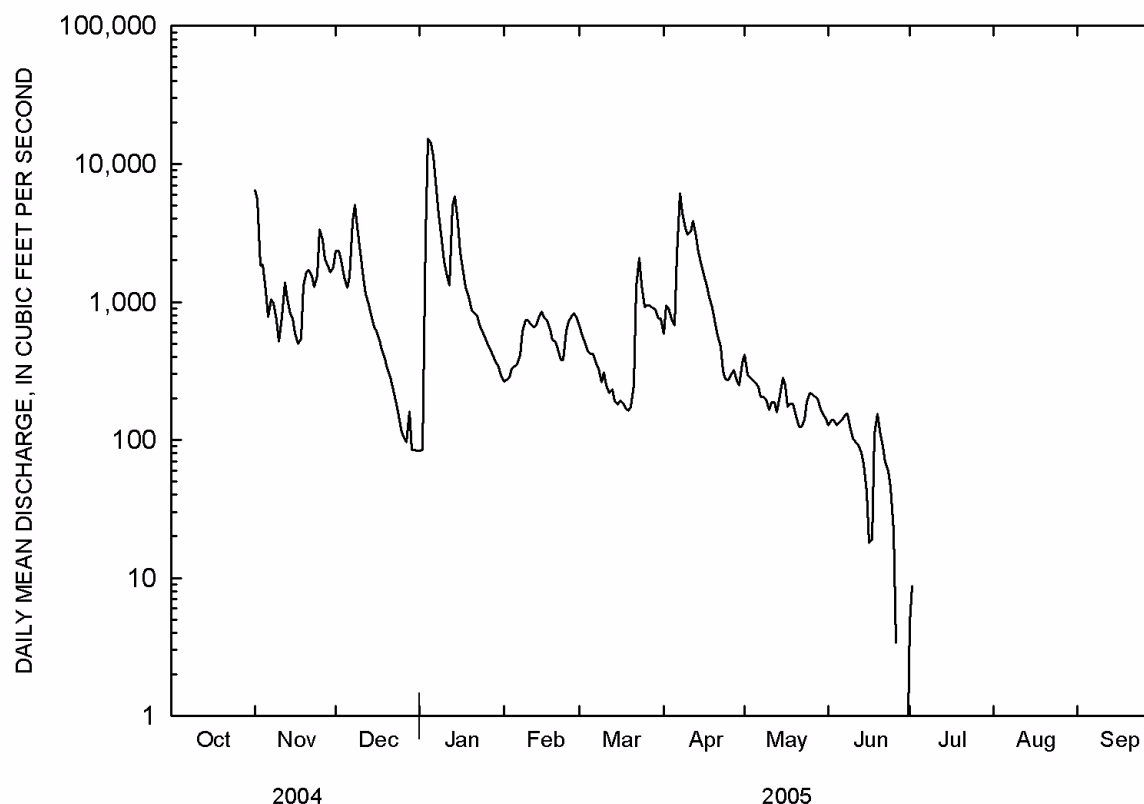
07250085 LEE CREEK AT LEE CREEK RESERVOIR NEAR VAN BUREN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	89.5	796	661	839	770	922	1157	624	470	179	16.2	45.3
MAX	454	3274	1666	2901	2339	1906	2668	1732	2754	1316	80.4	307
(WY)	1994	1997	1993	2005	2001	2002	2004	1995	2000	2004	2004	1996
MIN	0.00	0.00	0.00	43.5	94.0	199	122	75.6	33.1	0.00	0.00	0.00
(WY)	1993	2000	2003	2003	1996	1996	2001	1997	1998	1998	1993	1995

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1993 - 2005	
ANNUAL TOTAL	286484.80		263024.03			
ANNUAL MEAN	783		721		545	
HIGHEST ANNUAL MEAN					833 1993	
LOWEST ANNUAL MEAN					157 2003	
HIGHEST DAILY MEAN	32200	Apr 24	15200	Jan 4	37800	Jun 21 2000
LOWEST DAILY MEAN	0.00	Aug 24	0.00	Oct 1	0.00	Oct 1 1992
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 24	0.00	Oct 1	0.00	Oct 1 1992
MAXIMUM PEAK FLOW			20700	Jan 4	72400	Jun 21 2000
MAXIMUM PEAK STAGE			23.24	Jan 4	26.99	Jun 21 2000
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	568200		521700		394800	
10 PERCENT EXCEEDS	1670		1830		1190	
50 PERCENT EXCEEDS	277		189		122	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

^eEstimated



ARKANSAS RIVER BASIN

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. WDR Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Water-discharge records poor. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 19, 1988, the Arkansas Electric Cooperative Corporation hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4230	76400	71300	581	49600	51600	45800	2290	13400	58800	18000	55400
2	3750	49900	63500	2130	47400	50900	50900	9290	12200	47100	16400	57200
3	2460	45700	56900	62500	50000	51400	41000	3840	28500	41200	16900	46300
4	5970	53300	58100	107000	53200	52400	32300	10900	30000	36600	18800	39500
5	5280	51900	55500	111000	50300	39500	29900	4120	28200	37200	19000	31600
6	4620	41700	56400	142000	42300	29800	44300	7020	30900	49500	32300	32300
7	9630	39200	69300	117000	43200	18300	65500	7230	17600	46500	16300	37200
8	11800	33600	84800	117000	44200	20200	53300	8250	14700	48900	15000	40100
9	10300	20200	85300	128000	70600	35000	46300	12700	24300	36000	15500	33500
10	2740	38200	69500	136000	53900	34100	43600	16100	38200	43600	16500	32000
11	11500	38200	65300	134000	47100	34300	49000	20600	43400	45400	18500	27100
12	8640	34800	64600	135000	45800	28400	51600	23900	46700	45500	20600	18200
13	8570	31500	60100	144000	38800	3840	41300	13900	46600	45400	24500	13800
14	7960	26100	55500	130000	48600	17500	40000	11800	78800	45400	11200	15600
15	3080	25200	49200	130000	55700	16700	39400	9900	77400	39400	15800	25300
16	e50	36000	48000	139000	54500	19500	39000	4900	84000	37100	22500	27700
17	e50	34300	43300	140000	55000	3620	29400	20300	94100	38600	20700	16500
18	7180	41500	28700	138000	45700	4480	25600	12900	110000	37500	20800	14300
19	6210	41600	27100	130000	31900	218	20600	22800	109000	23200	16000	15800
20	7760	45300	15200	118000	5090	8180	24500	30500	109000	36400	17100	26700
21	7660	39200	10100	97500	1020	24900	26000	30100	109000	28800	19200	9910
22	10100	40500	17200	84400	18100	29500	29000	16800	109000	36200	12000	16300
23	7910	38200	15300	64800	31200	32400	17800	18800	86900	28400	13300	23300
24	4070	74400	27200	58000	43700	29600	5760	21900	77000	36400	14700	33600
25	8440	72700	28500	64800	50500	35700	18100	56500	80700	32400	20100	26100
26	5110	67200	12200	68200	60300	38200	19300	20900	79600	21500	29700	8580
27	9470	66500	e30	59200	56700	41600	10900	40900	79000	16600	48300	6080
28	18600	59600	14600	54300	53600	22600	21500	33000	78100	16800	48900	6040
29	21500	69300	13100	52300	---	33100	14400	26100	79400	13600	48100	6050
30	9510	72700	11900	39700	---	46000	12300	28900	77300	15900	61600	10100
31	11200	---	18100	47000	---	42100	---	21200	---	15500	57500	---
TOTAL	235350	1404900	1295830	2951411	1248010	895638	988360	568340	1893000	1101400	745800	752160
MEAN	7592	46830	41800	95210	44570	28890	32950	18330	63100	35530	24060	25070
MAX	21500	76400	85300	144000	70600	52400	65500	56500	110000	58800	61600	57200
MIN	50	20200	30	581	1020	218	5760	2290	12200	13600	11200	6040
AC-FT	466800	2787000	2570000	5854000	2475000	1776000	1960000	1127000	3755000	2185000	1479000	1492000

ARKANSAS RIVER BASIN

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM NEAR VAN BUREN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	25110	36450	35610	33940	34540	58560	58660	63790	59870	32750	16550	15260
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	14691980		14080199			
ANNUAL MEAN	40140		38580		¹ 39260	
HIGHEST ANNUAL MEAN					87670 1993	
LOWEST ANNUAL MEAN					7737 1981	
HIGHEST DAILY MEAN	180000	Jul 3	144000	Jan 13	397000	May 5 1990
LOWEST DAILY MEAN	30	Dec 27	30	Dec 27	² 0.00	³ Nov 2 1975
ANNUAL SEVEN-DAY MINIMUM	3840	Sep 6	4570	Oct 15	364	Jan 14 1981
MAXIMUM PEAK FLOW			149000	Jan 13	⁴ 401000	May 5 1990
MAXIMUM PEAK STAGE			389.64	Jan 13	⁵ 401.75	May 5 1990
ANNUAL RUNOFF (AC-FT)	29140000		27930000		28440000	
10 PERCENT EXCEEDS	91400		77300		107000	
50 PERCENT EXCEEDS	33700		32400		23400	
90 PERCENT EXCEEDS	5480		7940		3710	

¹Prior to regulation, water years 1928-69, 30,200 ft³/s

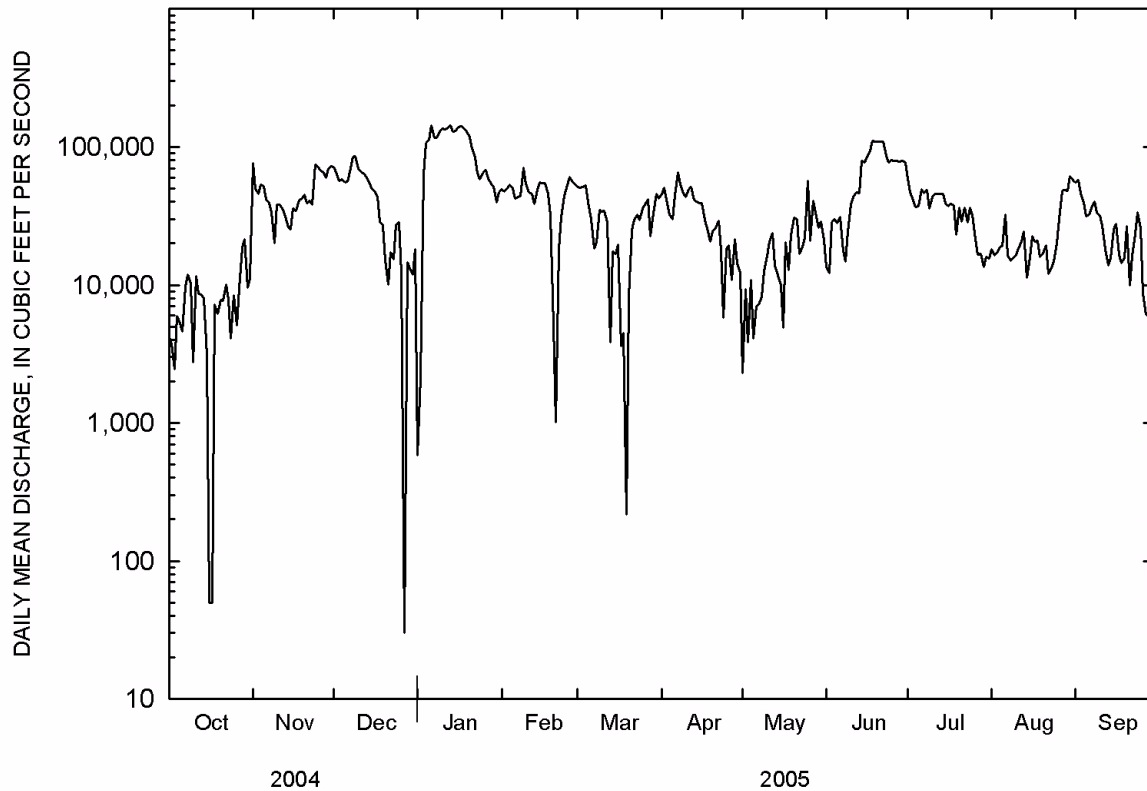
²Also minimum discharge for period of record

³Also February 1, 1981; October 17, 1987; December 9, 1989; November 11-12, 1993; and January 9, 13, 1994

⁴Maximum discharge for period of record 850,000 ft³/s May 12, 1943

⁵Maximum gage height for period of record 38.10 ft Apr. 16, 1945, at former site and datum

^eEstimated



ARKANSAS RIVER BASIN

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd us/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L (00915)
NOV 09... 2004	1000	80513	80020	6150	30	775	10.1	100	8.2	376	15.6	92	25.8
JAN 26... 2005	0930	80513	80020	68600	10	762	12.7	103	8.3	582	6.2	120	37.0
MAR 14... 2005	0845	80513	80020	17200	30	770	9.6	86	8.4	817	11.2	170	47.9
APR 26... 2005	1600	80513	80020	25000	30	760	9.3	101	8.3	479	19.1	130	37.6
JUL 05... 2005	1130	80513	80020	4460	30	767	5.9	76	7.8	561	28.4	130	40.1
AUG 30... 2005	0750	80513	80020	61200	30	755	6.6	87	8.2	746	29.0	160	46.3

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)
NOV 09... 2004	6.78	3.82	1	32.9	42	48.1	.2	31.5	239	.94	--	E.03	1.27
JAN 26... 2005	7.65	3.42	2	59.3	50	88.3	.1	40.4	302	.54	.06	.04	--
MAR 14... 2005	11.7	3.64	3	91.8	54	136	.2	63.1	439	.47	--	E.03	3.12
APR 26... 2005	8.36	3.24	2	40.2	40	57.9	.2	42.6	271	.64	--	E.03	--
JUL 05... 2005	8.34	3.94	2	54.2	46	79.9	.2	45.3	322	.59	.07	.05	--
AUG 30... 2005	11.7	4.67	3	80.7	51	126	.2	56.2	428	.58	--	E.04	.527

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Phytoplankton, ug/L (62360)	E coli, n-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)
NOV 09... 2004	.29	.29	.026	.008	--	.209	.07	.07	.27	1.2	6.9	110	98
JAN 26... 2005	--	.65	--	E.006	.50	.163	.05	.07	.11	1.2	2.3	56	54
MAR 14... 2005	.70	.71	.033	.010	--	.181	.06	.06	.10	1.2	4.9	E5	E3
APR 26... 2005	--	.40	--	E.006	--	--	E.01	E.03	.07	1.0	8.6	E4	E5
JUL 05... 2005	--	.37	--	<.008	.54	.224	.07	.09	.15	.97	5.9	E15	E7
AUG 30... 2005	.12	.13	.039	.012	--	.288	.09	.11	.17	.71	8.0	63	71

Date	Fecal streptococci MF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Suspnd. sediment, sieve diameter <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
NOV 09... 2004	54	3.2	95	179	2970	8010
JAN 26... 2005	50	3.3	93	97	18000	3058
MAR 14... 2005	E9	6.0	93	18	836	8010
APR 26... 2005	E21	11.7	85	24	1620	8010
JUL 05... 2005	23	4.2	96	45	542	8010
AUG 30... 2005	--	7.6	86	37	6110	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

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07250935 JONES CREEK AT WINFREY

LOCATION.--Lat 35°44'12", long 94°06'11", in SE1/4SW1/4 sec.5, T.12 N., R.29 W., Crawford County, Hydrologic Unit 11110201, near left bank in pasture 300 ft upstream of bridge on Winfrey Valley Cutoff, 3 mi northeast of junctions of U.S. Highway 71 and Winfrey Valley Cutoff, and 10.6 mi northeast of Mountainburg.

DRAINAGE AREA.--19.8 mi².

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	322	155	11	13	30	43	9.7	4.8	0.02	0.00	0.00
2	0.00	e58	119	12	16	27	40	7.6	5.0	0.00	0.00	0.00
3	0.00	e33	94	245	18	24	35	6.3	3.6	0.00	0.00	0.00
4	0.00	e21	76	702	17	22	33	5.3	2.9	0.00	0.00	0.00
5	0.00	e12	132	656	16	20	33	4.4	5.8	0.00	0.00	0.00
6	0.00	24	169	342	19	18	213	3.6	5.0	0.00	0.00	0.00
7	0.00	20	237	199	31	19	188	3.0	3.5	0.00	0.00	0.00
8	0.00	16	154	138	33	17	125	4.0	2.7	0.00	0.00	0.00
9	0.00	13	123	107	33	15	97	5.9	2.1	0.00	0.00	0.00
10	0.00	12	96	85	29	14	78	3.8	1.8	0.00	0.00	0.00
11	0.00	164	77	72	27	12	167	2.7	1.5	0.00	0.00	0.00
12	0.00	73	65	132	28	11	124	1.9	1.2	0.00	0.00	0.00
13	0.00	49	52	314	52	10	94	1.7	1.4	0.00	0.00	0.00
14	0.00	37	44	152	48	9.2	74	157	1.1	0.00	0.00	0.00
15	0.00	30	38	114	43	8.4	60	52	0.98	0.00	0.00	0.00
16	0.00	26	34	89	38	7.7	50	32	0.94	0.00	0.00	0.00
17	0.00	23	30	71	33	7.2	42	23	2.5	0.00	0.00	0.00
18	0.00	116	28	59	30	6.7	36	18	1.8	0.00	0.00	0.00
19	0.00	118	25	52	28	6.2	31	15	1.3	0.00	0.00	0.00
20	0.00	78	23	46	26	5.7	27	12	1.1	0.00	0.00	0.00
21	0.00	59	21	40	28	31	23	9.2	0.88	0.00	0.00	0.00
22	0.00	49	19	33	25	91	19	7.5	0.68	0.00	0.00	0.00
23	0.00	50	17	27	41	68	16	20	0.53	0.00	0.00	0.00
24	0.00	178	14	24	49	53	13	18	0.40	0.00	0.00	0.00
25	0.00	125	13	23	43	53	12	21	0.30	0.00	0.00	0.00
26	0.00	93	12	20	39	48	13	15	0.18	0.00	0.00	0.00
27	0.00	97	11	18	37	62	9.6	11	0.08	0.00	0.00	0.00
28	0.00	80	11	17	34	57	13	9.0	0.02	0.00	0.00	0.00
29	0.00	125	10	18	---	51	17	7.1	0.00	0.00	0.00	0.00
30	0.06	197	10	16	---	46	14	5.9	0.00	0.00	0.00	0.00
31	8.2	---	9.7	14	---	40	---	4.8	---	0.00	0.00	---
TOTAL	8.26	2298	1918.7	3848	874	890.1	1739.6	497.4	54.09	0.02	0.00	0.00
MEAN	0.27	76.6	61.9	124	31.2	28.7	58.0	16.0	1.80	0.00	0.00	0.00
MAX	8.2	322	237	702	52	91	213	157	5.8	0.02	0.00	0.00
MIN	0.00	12	9.7	11	13	5.7	9.6	1.7	0.00	0.00	0.00	0.00
AC-FT	16	4560	3810	7630	1730	1770	3450	987	107	0.04	0.00	0.00

ARKANSAS RIVER BASIN

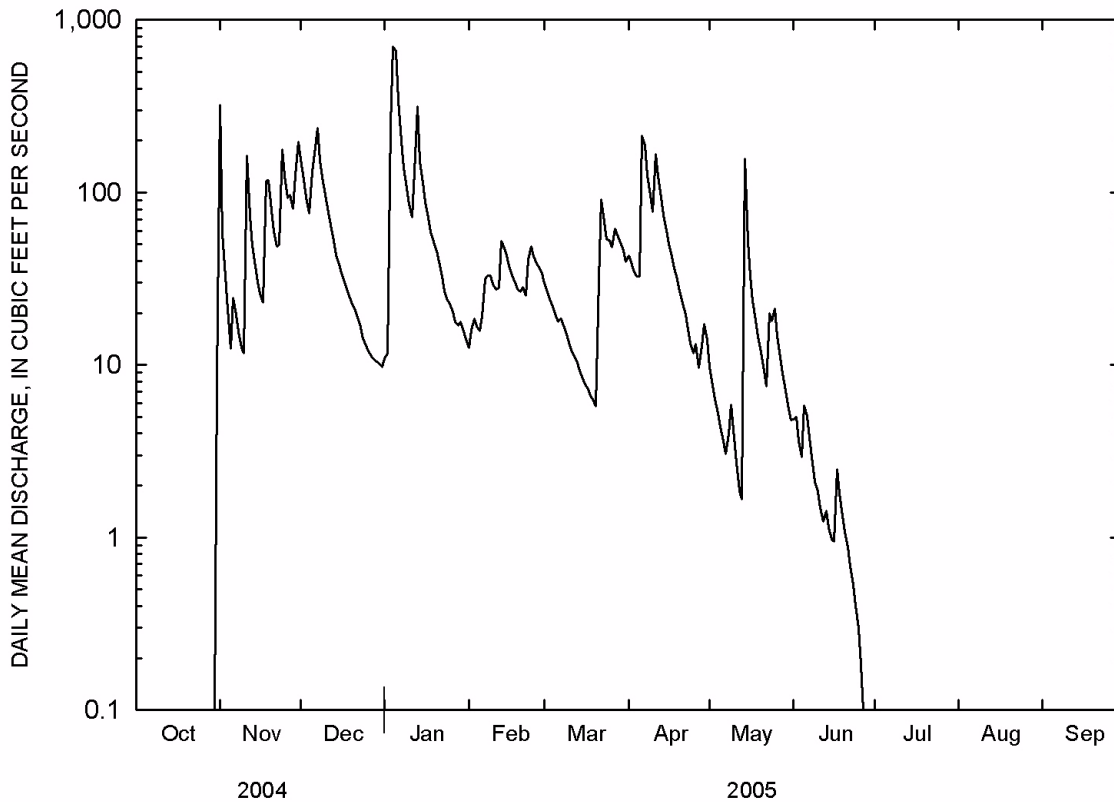
07250935 JONES CREEK AT WINFREY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	1.65	25.7	28.3	43.0	45.0	40.8	81.3	27.5	10.4	9.94	1.23	0.77
MAX	4.96	76.6	61.9	124	111	89.3	200	90.9	22.2	47.5	3.69	2.10
(WY)	2002	2005	2005	2005	2001	2002	2004	2003	2004	2004	2002	2003
MIN	0.00	0.00	2.96	3.58	15.3	18.2	7.29	4.35	1.80	0.00	0.00	0.00
(WY)	2003	2003	2003	2003	2003	2001	2001	2001	2005	2005	2001	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	16210.27		12128.17			
ANNUAL MEAN	44.3		33.2		26.1	
HIGHEST ANNUAL MEAN					35.8 2004	
LOWEST ANNUAL MEAN					14.6 2003	
HIGHEST DAILY MEAN	3540	Apr 24	702	Jan 4	3540	Apr 24 2004
LOWEST DAILY MEAN	0.00	Aug 18	0.00	Oct 1	0.00	Oct 7 2000
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 18	0.00	Oct 1	0.00	Oct 7 2000
MAXIMUM PEAK FLOW			1810	Jan 4	a Apr 24 2004	
MAXIMUM PEAK STAGE			5.24	Jan 4	10.24	Apr 24 2004
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	32150		24060		18920	
10 PERCENT EXCEEDS	93		94		55	
50 PERCENT EXCEEDS	13		10		5.7	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

^aUndetermined--gauge destroyed during period of peak flow
^eEstimated



ARKANSAS RIVER BASIN

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07250965 FROG BAYOU NEAR WINFREY

LOCATION.--Lat 35°43'37", long 94°06'26", in NW1/4SW1/4 sec.8, T.12 N., R.29 W., Crawford County, Hydrologic Unit 11110201, near right bank in pasture, 4.0 mi southeast of junction of U.S. Hwy 71 and Winfrey Valley Cutoff, and 11.6 mi northeast of Mountainburg.

DRAINAGE AREA.--54.2 mi².

PERIOD OF RECORD.--October 2000 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	1560	566	44	38	84	135	63	17	2.9	0.36	0.37
2	0.11	415	412	46	44	74	134	51	17	2.5	0.32	0.19
3	0.04	272	323	748	50	68	120	43	14	2.5	0.26	0.04
4	0.00	242	270	2850	46	61	109	37	12	2.3	0.19	0.00
5	0.00	193	407	2600	45	55	106	32	23	2.2	0.19	0.00
6	0.00	157	524	1340	53	49	529	28	21	2.2	0.14	0.00
7	0.12	129	748	729	114	49	524	25	16	2.0	0.05	0.00
8	1.0	106	497	497	122	45	362	28	13	1.9	0.00	0.00
9	0.46	88	389	375	118	41	282	34	11	1.5	0.00	0.00
10	0.55	80	312	303	103	37	228	28	9.6	1.4	0.00	0.00
11	1.4	591	262	258	92	33	535	23	8.7	1.4	0.00	0.00
12	2.8	314	229	358	89	31	421	20	7.9	1.3	0.00	0.00
13	3.6	237	197	1130	142	29	309	18	8.0	1.3	0.00	0.00
14	4.0	193	169	521	137	26	241	607	7.6	1.2	0.00	1.2
15	3.8	159	148	377	124	24	194	190	6.8	1.2	0.00	2.0
16	3.0	137	134	291	107	23	158	116	6.0	1.1	0.00	2.2
17	2.7	121	121	232	93	22	133	84	9.2	1.1	0.74	2.4
18	2.2	523	112	190	83	21	115	63	7.6	1.0	0.86	2.8
19	1.6	530	101	164	76	20	100	49	6.7	1.0	1.3	3.2
20	1.2	339	91	144	71	19	90	39	5.9	0.99	1.6	e5.8
21	3.0	262	85	127	73	85	78	31	5.5	1.0	1.6	e5.2
22	7.8	222	77	109	67	356	67	26	5.1	1.0	1.7	e4.8
23	9.7	217	e68	90	102	265	56	48	4.9	0.90	1.4	e4.3
24	8.2	638	e64	77	134	198	47	53	4.6	0.85	1.4	e3.9
25	7.7	461	e58	71	121	182	42	62	3.9	0.77	1.2	e3.5
26	7.8	343	e53	64	112	161	51	47	3.6	0.73	1.1	e3.2
27	8.2	339	49	54	104	209	40	36	3.3	0.86	1.1	e3.0
28	12	294	47	50	97	197	47	30	3.0	0.70	0.99	0.89
29	11	413	45	51	---	174	79	24	2.8	0.62	0.81	0.62
30	27	711	44	47	---	154	81	20	2.7	0.44	0.59	0.53
31	62	---	43	43	---	131	---	17	---	0.40	0.45	---
TOTAL	193.19	10286	6645	13980	2557	2923	5413	1972	267.4	41.26	18.35	50.14
MEAN	6.23	343	214	451	91.3	94.3	180	63.6	8.91	1.33	0.59	1.67
MAX	62	1560	748	2850	142	356	535	607	23	2.9	1.7	5.8
MIN	0.00	80	43	43	38	19	40	17	2.7	0.40	0.00	0.00
AC-FT	383	20400	13180	27730	5070	5800	10740	3910	530	82	36	99

ARKANSAS RIVER BASIN

07250965 FROG BAYOU NEAR WINFREY--CONTINUED

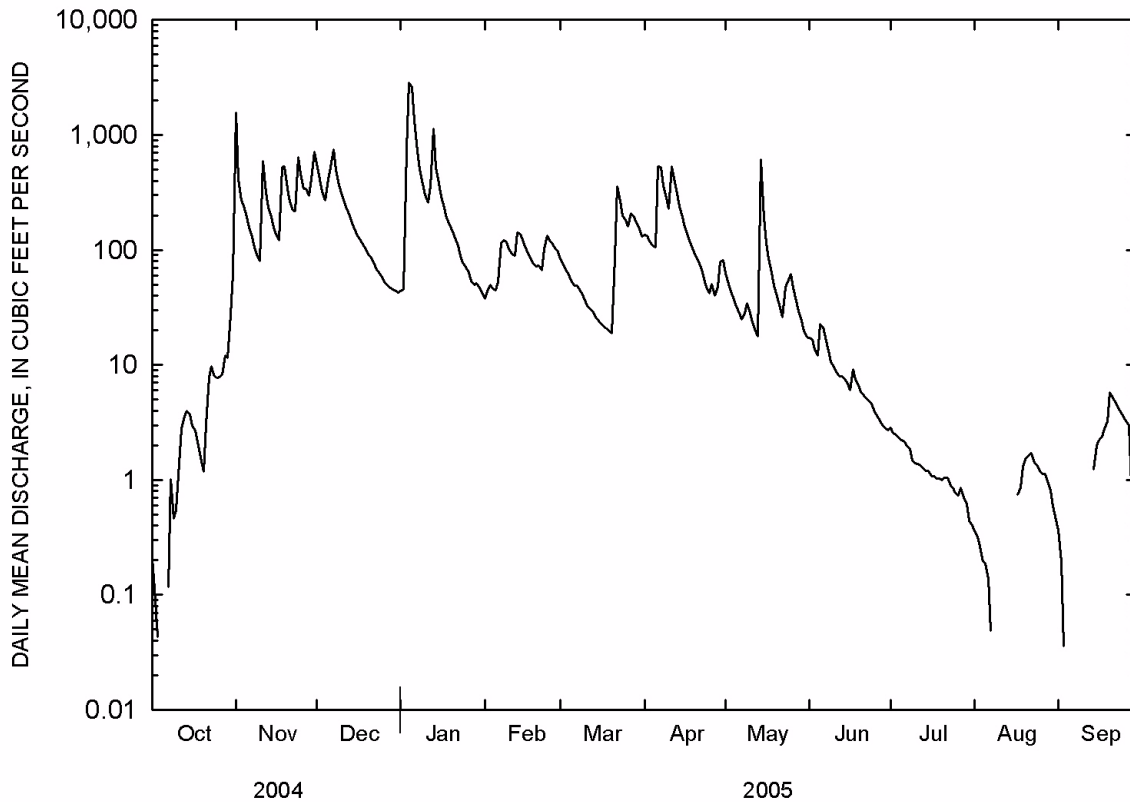
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	7.71	100	83.1	140	103	124	210	120	44.9	65.4	13.2	4.72
MAX	24.4	343	214	451	189	200	552	303	118	254	52.0	7.92
(WY)	2002	2005	2005	2005	2001	2004	2004	2003	2004	2004	2004	2004
MIN	0.01	0.00	18.6	20.0	61.4	65.9	36.3	23.6	8.91	1.33	0.08	1.67
(WY)	2003	2003	2003	2003	2003	2001	2001	2001	2005	2005	2003	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	61303.16		44346.34			
ANNUAL MEAN	167		121		86.5	
HIGHEST ANNUAL MEAN					131 2004	
LOWEST ANNUAL MEAN					42.8 2001	
HIGHEST DAILY MEAN	5140	Apr 24	2850	Jan 4	5140	Apr 24 2004
LOWEST DAILY MEAN	0.00	Oct 4	0.00	Oct 4	0.00	Sep 1 2001
ANNUAL SEVEN-DAY MINIMUM	0.07	Oct 1	0.00	Aug 8	0.00	Sep 1 2001
MAXIMUM PEAK FLOW			7390	Jan 4	12900	Apr 24 2004
MAXIMUM PEAK STAGE			9.34	Jan 4	¹ 17.40	May 16 2003
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	121600		87960		62700	
10 PERCENT EXCEEDS	372		339		191	
50 PERCENT EXCEEDS	70		40		26	
90 PERCENT EXCEEDS	6.7		0.39		0.12	

¹At former site and datum, 11.58 ft April 24, 2004, at current site and datum

^eEstimated



ARKANSAS RIVER BASIN

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07250974 JACK CREEK NEAR WINFREY

LOCATION.--Lat 35°42'19", long 94°05'21", in NW1/4NW1/4 sec.21, T.12 N., R.29 W., Crawford County, Hydrologic Unit 11110201, 2100 ft upstream of mouth at Lake Shepherd Springs, 8.7 mi northeast of junction of U.S. Hwy 71 and State Hwy 282, and 11.3 mi northeast of Mountainburg.

DRAINAGE AREA.--19.4 mi².

PERIOD OF RECORD.--October 2001 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	122	49	3.5	4.5	11	21	17	2.0	0.00	0.00	0.00
2	0.00	33	35	3.5	5.5	9.8	17	13	2.4	0.00	0.00	0.00
3	0.00	23	27	65	6.0	8.9	16	11	2.1	0.00	0.00	0.00
4	0.00	19	21	191	5.8	8.0	14	9.1	1.7	0.00	0.00	0.00
5	0.00	14	34	147	5.6	7.2	14	7.8	7.0	0.00	0.00	0.00
6	0.00	10	42	97	8.0	6.5	44	6.7	4.9	0.00	0.00	0.00
7	0.00	8.2	53	59	14	6.7	41	5.8	3.4	0.00	0.00	0.00
8	0.00	6.5	39	40	14	6.1	34	7.3	2.8	0.00	0.00	0.00
9	0.00	5.4	31	29	14	5.5	29	7.8	2.3	0.00	0.00	0.00
10	0.00	5.4	24	23	12	5.1	25	5.8	1.9	0.00	0.00	0.00
11	0.36	50	19	20	11	5.0	61	4.7	1.7	0.00	0.00	0.00
12	0.70	26	16	25	11	5.2	51	3.8	1.5	0.00	0.00	0.00
13	0.59	18	13	56	15	4.9	40	3.2	1.5	0.00	0.00	0.00
14	0.47	14	10	34	14	4.4	31	32	1.5	0.00	0.00	0.00
15	0.34	11	9.1	26	13	4.0	25	14	1.3	0.00	0.00	0.00
16	0.07	9.1	8.3	21	12	3.8	21	10	1.1	0.00	0.00	0.00
17	0.00	8.0	7.5	17	10	3.7	17	8.1	1.4	0.00	0.00	0.00
18	0.00	54	7.0	15	9.3	3.6	15	6.4	2.8	0.00	0.00	0.00
19	0.00	48	6.4	13	8.7	3.5	13	5.3	1.9	0.00	0.00	0.00
20	0.00	30	5.9	12	8.4	3.3	11	4.4	1.3	0.00	0.00	0.00
21	0.00	22	5.7	10	9.3	15	10	3.6	0.89	0.00	0.00	0.00
22	0.00	18	5.2	8.9	8.0	43	8.8	3.0	0.66	0.00	0.00	0.00
23	0.00	19	4.6	7.4	17	30	7.5	6.6	0.55	0.00	0.00	0.00
24	e0.00	51	4.1	6.9	20	23	6.5	5.8	0.45	0.00	0.00	0.00
25	e0.00	37	3.9	6.7	18	24	6.1	6.7	0.00	0.00	0.00	0.00
26	e0.00	28	3.9	6.2	16	22	10	4.6	0.00	0.00	0.00	0.00
27	e0.00	28	3.7	5.4	15	28	6.9	3.6	0.00	0.00	0.00	0.00
28	e0.00	23	3.5	5.2	13	28	8.8	3.1	0.00	0.00	0.00	0.00
29	e0.00	37	3.5	5.6	---	31	27	2.6	0.00	0.00	0.00	0.00
30	9.5	61	3.5	5.0	---	27	22	2.3	0.00	0.00	0.00	0.00
31	23	---	3.5	4.8	---	22	---	2.0	---	0.00	0.00	---
TOTAL	35.03	838.6	502.3	969.1	318.1	409.2	653.6	227.1	49.05	0.00	0.00	0.00
MEAN	1.13	28.0	16.2	31.3	11.4	13.2	21.8	7.33	1.64	0.00	0.00	0.00
MAX	23	122	53	191	20	43	61	32	7.0	0.00	0.00	0.00
MIN	0.00	5.4	3.5	3.5	4.5	3.3	6.1	2.0	0.00	0.00	0.00	0.00
MED	0.00	22	8.3	15	11	7.2	17	5.8	1.5	0.00	0.00	0.00
AC-FT	69	1660	996	1920	631	812	1300	450	97	0.00	0.00	0.00

ARKANSAS RIVER BASIN

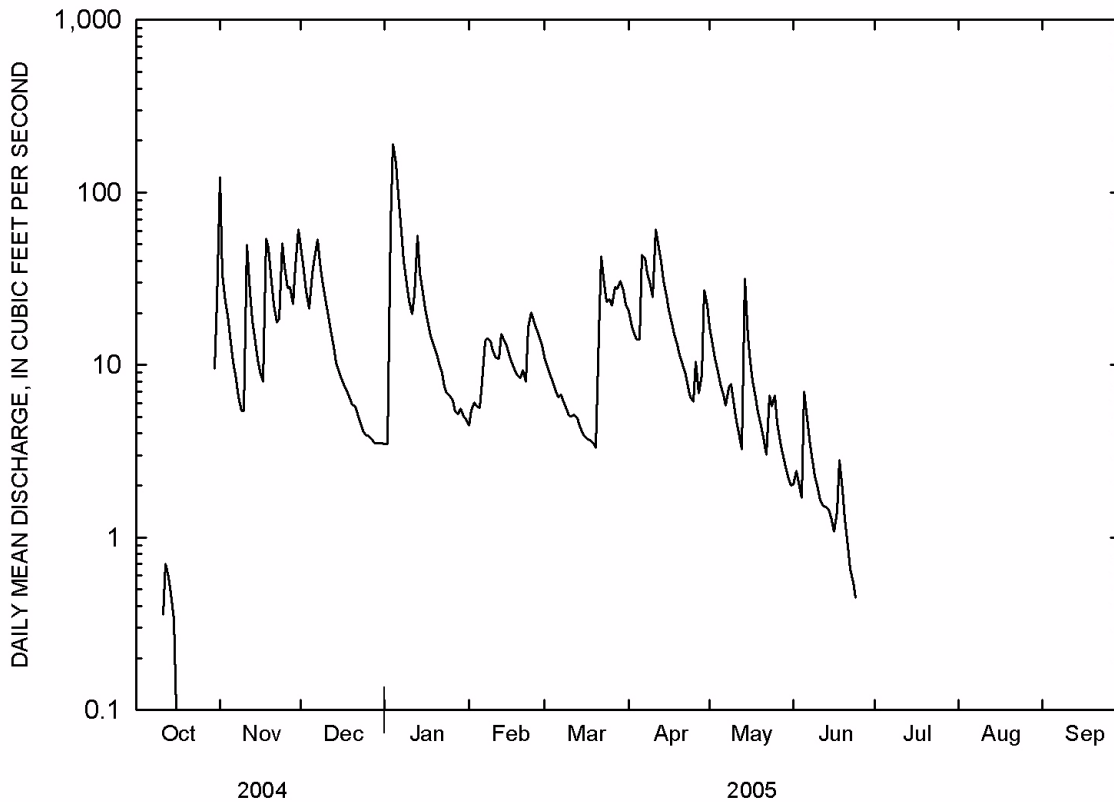
07250974 JACK CREEK NEAR WINFREY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	1.60	12.9	14.2	18.5	15.6	24.2	28.0	9.38	5.20	5.20	0.47	0.29
MAX	3.10	28.0	24.5	35.3	31.3	50.2	58.5	18.6	10.0	20.2	1.05	0.79
(WY)	2002	2005	2004	2004	2004	2004	2004	2003	2004	2004	2002	2003
MIN	0.00	0.00	1.57	1.09	5.75	7.61	7.15	2.55	1.64	0.00	0.00	0.00
(WY)	2003	2003	2003	2003	2003	2003	2003	2002	2005	2005	2003	2005

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	7922.35		4002.08			
ANNUAL MEAN	21.6		11.0		11.2	
HIGHEST ANNUAL MEAN					22.0 2004	
LOWEST ANNUAL MEAN					3.98 2003	
HIGHEST DAILY MEAN	245	Apr 24	191	Jan 4	245	Apr 24 2004
LOWEST DAILY MEAN	0.00	Jun 9	0.00	Oct 1	0.00	Oct 1 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 18	0.00	Oct 1	0.00	Oct 1 2002
MAXIMUM PEAK FLOW			758	Jan 4	2180	Apr 7 2002
MAXIMUM PEAK STAGE			5.89	Jan 4	7.40	Apr 7 2002
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	15710		7940		8150	
10 PERCENT EXCEEDS	49		29		33	
50 PERCENT EXCEEDS	12		4.9		2.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

^eEstimated



ARKANSAS RIVER BASIN

245

07252000 MULBERRY RIVER NEAR MULBERRY

LOCATION.--Lat 35°34'38", long 94°00'56", in SE1/4SW1/4 sec.31, T.11 N., R.28 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 mi².

PERIOD OF RECORD.--June 1938 to January 1995, October 1998 to current year. Annual maximum, water years 1995-98.

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

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft above NGVD of 1929(levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records fair except estimated daily discharges, which are poor and discharges after July 20, which are good. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7370	3540	209	346	666	903	451	61	19	4.3	3.1
2	5.4	4690	2550	217	363	583	875	375	68	19	3.7	2.7
3	4.7	2770	2010	3370	523	528	749	330	63	15	3.2	2.5
4	4.0	2330	1630	17000	594	477	667	293	57	15	2.9	2.3
5	3.7	1770	1600	8070	577	432	606	262	56	13	2.7	2.3
6	3.4	1430	2180	6270	586	391	1190	234	56	12	3.8	2.3
7	4.3	1180	3280	3380	1230	362	1480	209	62	e10	3.8	2.3
8	1370	970	2600	2500	1250	368	1280	196	53	e8.9	3.4	2.3
9	1130	798	2090	2020	1130	341	1130	227	47	e8.1	2.8	2.2
10	781	686	1710	1730	970	313	1000	221	45	e7.3	2.3	2.0
11	675	811	1400	1470	846	282	1500	182	42	e6.6	2.0	2.1
12	661	944	1200	1310	792	263	1770	158	46	e6.0	1.8	2.0
13	566	774	1010	7170	1040	207	1400	138	40	e5.4	1.6	1.9
14	473	665	848	3300	1120	215	1180	210	38	e5.2	1.5	4.5
15	417	574	734	2330	991	220	1000	245	38	e5.0	1.6	8.7
16	367	498	656	1860	891	209	866	200	30	e5.0	1.7	66
17	325	457	590	1530	784	199	749	163	38	e5.2	4.4	98
18	293	1340	533	1290	701	190	662	139	47	e5.3	11	73
19	264	2560	479	1130	637	178	582	120	48	e5.5	7.9	57
20	241	1840	425	1010	590	172	514	107	47	e6.0	6.3	46
21	227	1450	390	876	596	192	454	95	43	6.4	4.9	39
22	215	1220	362	776	650	917	405	80	34	6.5	4.0	33
23	213	1240	332	654	691	1470	357	92	25	6.5	3.3	27
24	206	3380	298	580	1090	1160	312	107	22	5.6	3.0	23
25	204	2940	271	530	986	1120	279	130	19	4.9	3.6	28
26	203	2160	255	491	900	1040	281	122	24	4.4	4.9	28
27	328	2090	241	444	816	1470	276	101	20	7.0	4.5	25
28	1020	2060	229	405	755	1610	265	88	19	6.8	4.0	32
29	1240	2590	221	409	---	1400	435	77	16	6.0	3.7	44
30	1110	4890	218	394	---	1220	603	70	14	5.9	3.5	39
31	1320	---	212	367	---	1030	---	63	---	5.2	3.2	---
TOTAL	13879.6	58477	34094	73092	22445	19225	23770	5485	1218	247.7	115.3	701.2
MEAN	448	1949	1100	2358	802	620	792	177	40.6	7.99	3.72	23.4
MAX	1370	7370	3540	17000	1250	1610	1770	451	68	19	11	98
MIN	3.4	457	212	209	346	172	265	63	14	4.4	1.5	1.9
AC-FT	27530	116000	67630	145000	44520	38130	47150	10880	2420	491	229	1390
CFSM	1.20	5.23	2.95	6.32	2.15	1.66	2.12	0.47	0.11	0.02	0.01	0.06
IN.	1.38	5.83	3.40	7.29	2.24	1.92	2.37	0.55	0.12	0.02	0.01	0.07

ARKANSAS RIVER BASIN

07252000 MULBERRY RIVER NEAR MULBERRY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938-95, 1999-05, BY WATER YEAR (WY)

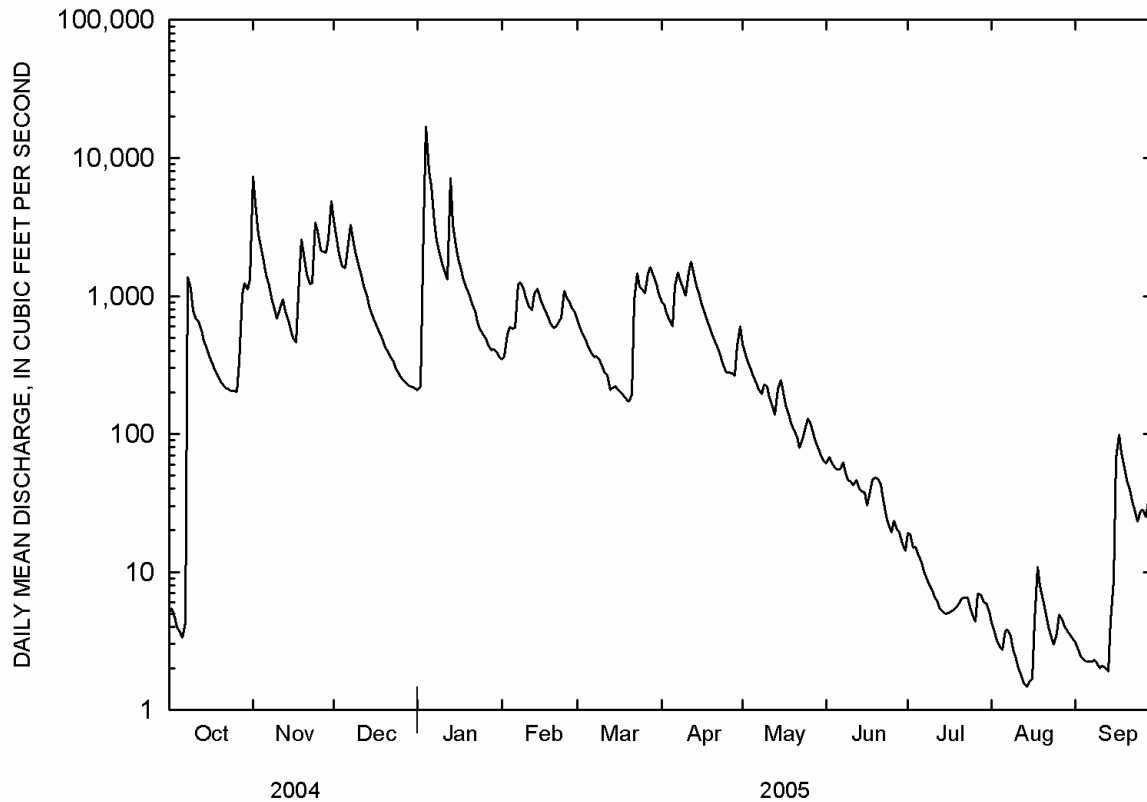
MEAN	169	552	652	639	878	1065	1129	948	409	122	62.9	77.6
MAX	1566	2280	2997	3083	2873	4124	3576	4233	2592	908	952	1497
(WY)	1985	1974	1983	1949	1951	1945	1945	1990	2000	1950	1950	1974
MIN	0.00	0.03	2.45	5.34	47.0	75.7	263	88.7	9.68	2.72	0.06	0.00
(WY)	1954	1954	1990	1964	1967	1967	1971	1977	1977	1963	1954	1954

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1938-95, 1999-05

ANNUAL TOTAL	299197.6		252749.8		554		
ANNUAL MEAN	817		692		1226		
HIGHEST ANNUAL MEAN					185		
LOWEST ANNUAL MEAN					1945		
HIGHEST DAILY MEAN	32500	Apr 23	17000	Jan 4	40900	May 3	1990
LOWEST DAILY MEAN	3.4	Oct 6	1.5	Aug 14	0.00	Sep 24	1939
ANNUAL SEVEN-DAY MINIMUM	4.4	Oct 1	1.8	Aug 10	0.00	Aug 25	1943
MAXIMUM PEAK FLOW			29300	Jan 4	170200	Dec 3	1982
MAXIMUM PEAK STAGE			15.24	Jan 4	23.66	Dec 3	1982
INSTANTANEOUS LOW FLOW			1.5	Aug 13	0.00	at times	
ANNUAL RUNOFF (AC-FT)	593500		501300		401400		
ANNUAL RUNOFF (CFSM)	2.19		1.86		1.49		
ANNUAL RUNOFF (INCHES)	29.84		25.21		20.18		
10 PERCENT EXCEEDS	1740		1620		1320		
50 PERCENT EXCEEDS	358		265		184		
90 PERCENT EXCEEDS	39		3.9		3.9		

¹From rating curve extended above 38,000 ft³/s

^eEstimated



ARKANSAS RIVER BASIN

247

07257006 BIG PINEY CREEK AT HWY 164 NEAR DOVER

LOCATION.--Lat 35°30'21", long 93°10'53", 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.--WDR Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 439.75 ft above NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2230	3000	101	246	495	750	290	33	9.8	0.78	0.73
2	1.9	3440	1940	99	242	449	628	251	30	8.5	0.75	0.67
3	1.6	1950	1410	2830	279	411	535	222	27	8.1	0.72	0.57
4	1.5	1500	1090	9130	328	376	466	202	25	7.6	0.67	0.50
5	1.2	1120	893	6050	351	348	418	185	24	7.7	0.78	0.40
6	1.00	852	988	4750	363	322	859	169	37	7.5	0.99	0.33
7	2.7	675	1280	2850	635	299	1380	156	42	7.2	0.84	0.28
8	1410	524	1510	1970	872	289	1360	146	41	7.6	0.54	0.23
9	2140	411	1250	1500	887	279	1180	143	36	7.1	0.59	0.21
10	1290	343	1020	1170	821	264	997	133	35	6.5	0.61	0.19
11	834	404	801	951	724	248	852	123	32	6.1	0.61	0.19
12	751	664	642	792	648	232	942	112	29	5.2	0.65	0.16
13	538	598	528	4460	659	221	983	101	27	6.1	0.66	0.16
14	386	492	412	2850	753	211	915	99	24	5.3	0.72	1.1
15	331	418	336	1750	745	199	793	92	23	5.3	0.65	2.8
16	274	362	290	1300	693	188	669	86	22	5.2	1.7	1.3
17	216	320	257	1020	621	182	564	77	25	4.9	2.9	0.59
18	177	298	229	832	555	176	486	69	23	4.5	1.7	0.56
19	153	493	205	698	503	168	423	63	20	3.9	1.1	0.69
20	133	593	180	608	464	163	381	57	18	3.6	1.0	0.67
21	117	539	164	534	445	159	349	52	17	3.2	0.97	0.58
22	106	487	157	469	469	347	327	47	16	2.7	0.86	0.50
23	101	496	153	393	454	913	297	51	14	2.5	1.2	0.42
24	109	1460	133	337	553	911	264	59	12	2.2	1.1	1.1
25	111	2080	114	313	606	825	246	74	11	1.6	0.90	14
26	102	1510	106	297	594	754	242	69	9.6	1.6	0.89	14
27	99	1210	101	279	564	898	235	57	9.1	2.0	1.0	13
28	950	1230	97	259	535	1150	250	48	8.1	1.7	0.90	24
29	1480	1430	95	253	---	1190	347	43	6.9	1.2	0.77	20
30	1140	4210	96	260	---	1090	349	40	6.0	1.0	0.74	15
31	1120	---	99	255	---	919	---	36	---	0.84	0.75	---
TOTAL	14080.20	32339	19576	49360	15609	14676	18487	3352	682.7	148.24	29.04	114.93
MEAN	454	1078	631	1592	557	473	616	108	22.8	4.78	0.94	3.83
MAX	2140	4210	3000	9130	887	1190	1380	290	42	9.8	2.9	24
MIN	1.0	298	95	99	242	159	235	36	6.0	0.84	0.54	0.16
AC-FT	27930	64140	38830	97910	30960	29110	36670	6650	1350	294	58	228

ARKANSAS RIVER BASIN

07257006 BIG PINEY CREEK AT HWY 164 NEAR DOVER--CONTINUED

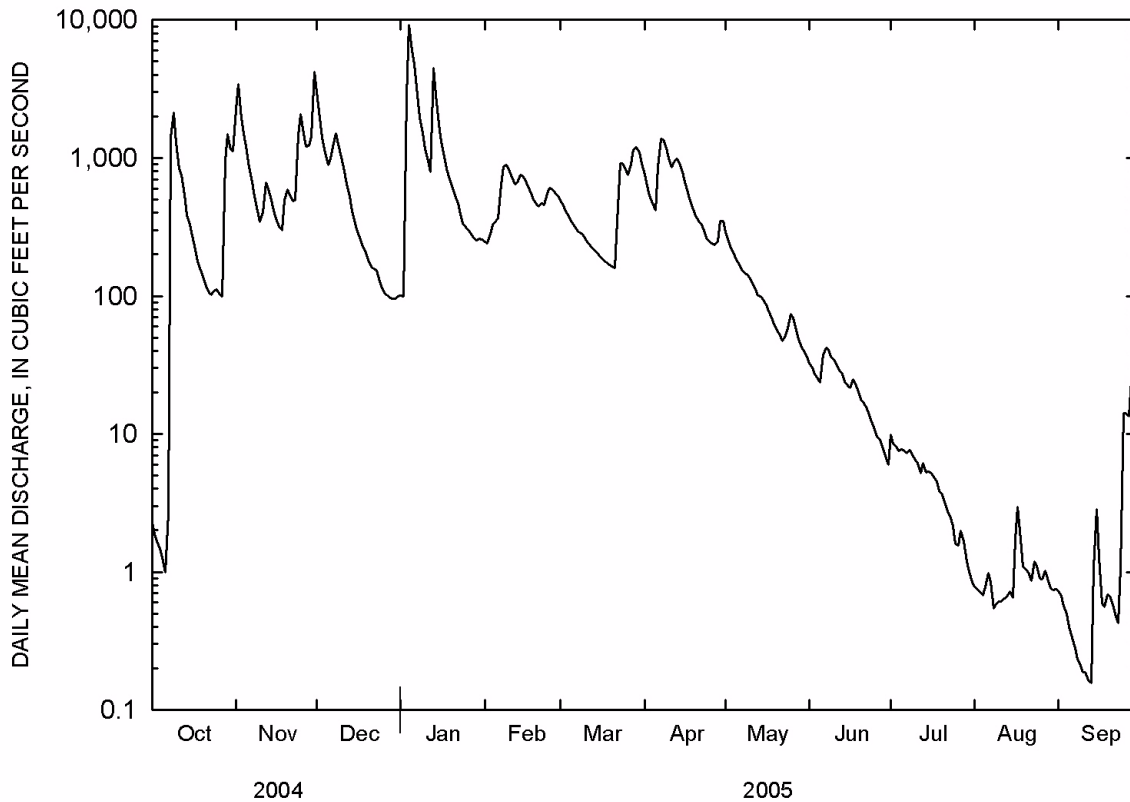
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-95, 1999-05, BY WATER YEAR (WY)

MEAN	127	418	539	468	637	841	881	672	272	75.3	37.4	43.3
MAX	1467	2419	3325	1663	2107	2763	3096	2528	1836	342	413	499
(WY)	1985	1995	1983	1993	2001	2002	2004	1990	2000	1961	1958	1970
MIN	0.00	0.00	5.86	7.03	47.9	125	120	67.1	14.0	0.76	0.00	0.00
(WY)	1954	1954	1990	1964	1963	1967	1963	1988	1977	1985	1980	1954

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1951-95, 1999-05

ANNUAL TOTAL	226268.20		168454.11				
ANNUAL MEAN	618		462		419		
HIGHEST ANNUAL MEAN					823 1973		
LOWEST ANNUAL MEAN					141 1963		
HIGHEST DAILY MEAN	37100	Apr 24	9130	Jan 4	43500	Dec 3 1982	
LOWEST DAILY MEAN	1.0	Oct 6	0.16	Sep 12	0.00	Oct 2 1952	
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 30	0.20	Sep 7	0.00	Sep 12 1953	
MAXIMUM PEAK FLOW			19200	Jan 4	¹ 111000	Dec 3 1982	
MAXIMUM PEAK STAGE			12.97	Jan 4	² 33.87	Dec 3 1982	
INSTANTANEOUS LOW FLOW			0.14	Sep 12	0.00	at times	
ANNUAL RUNOFF (AC-FT)	448800		334100		303400		
10 PERCENT EXCEEDS	1130		1170		980		
50 PERCENT EXCEEDS	242		180		128		
90 PERCENT EXCEEDS	24		0.82		2.7		

¹From rating curve extended above 45,000 ft³/s on basis of contracted-opening measurement of peak flow
²At former site and datum



ARKANSAS RIVER BASIN

249

07257500 ILLINOIS BAYOU NEAR SCOTTSVILLE

LOCATION.--Lat 35°27'59", 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 mi².

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 NGVD29. Prior to Mar. 25, 1948, non-recording gage at same site and datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. 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 ft³/s).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	1640	2320	155	209	353	570	334	24	e13	e1.9	0.89
2	3.4	2030	1570	169	229	315	486	277	22	11	e1.6	0.84
3	3.3	1180	1160	4060	298	295	424	241	21	9.2	e1.3	0.81
4	3.2	938	899	9180	290	274	376	212	20	8.3	1.0	0.77
5	3.0	695	957	4210	285	255	341	188	18	8.6	1.1	0.72
6	2.9	557	1340	3460	306	236	648	167	24	9.1	2.0	0.68
7	3.4	457	1790	1960	871	229	603	147	39	8.9	2.4	0.64
8	80	370	1380	1390	779	227	535	138	27	8.0	1.9	0.58
9	1240	303	1090	1040	676	209	474	213	46	e7.8	1.7	0.53
10	581	263	863	837	567	204	433	185	31	e7.6	1.5	0.48
11	527	472	694	718	495	191	869	149	27	e7.4	1.4	0.42
12	634	593	586	639	460	178	1590	123	26	e7.2	1.1	0.36
13	364	472	489	3070	662	170	1050	105	22	e7.0	0.93	0.31
14	271	399	405	1660	643	160	794	96	19	e6.6	1.1	0.32
15	282	343	351	1180	561	147	646	82	16	e6.4	4.5	0.53
16	226	302	316	904	504	141	536	70	14	e6.3	2.6	0.78
17	178	270	288	733	444	134	457	60	17	e5.9	2.7	0.78
18	146	281	262	623	400	128	398	53	15	e5.7	2.3	0.75
19	120	538	238	548	367	123	350	48	12	e5.4	1.9	0.75
20	102	470	216	485	341	117	308	43	11	e4.8	1.6	0.72
21	85	415	203	432	362	120	274	38	9.5	e4.5	1.5	0.69
22	72	384	206	380	352	908	258	35	e9.3	e4.1	1.3	0.66
23	133	604	201	321	377	972	231	43	e9.0	e3.9	1.4	0.62
24	203	3760	174	288	476	700	198	64	e8.8	e3.8	2.0	0.61
25	167	2180	157	271	443	683	179	58	e8.8	e3.6	1.6	2.0
26	148	1360	149	255	417	639	183	47	e8.6	e3.5	1.4	1.3
27	134	1260	144	231	396	1590	169	40	e8.6	e3.2	1.4	1.1
28	158	1070	140	212	392	1500	205	35	e8.5	e3.0	1.3	2.8
29	407	4270	139	245	---	1100	411	31	e8.5	e2.7	1.1	3.4
30	328	4250	141	243	---	861	451	29	e9.9	e2.4	0.96	2.9
31	384	---	144	225	---	685	---	26	---	e2.2	0.92	---
TOTAL	6992.5	32126	19012	40124	12602	13844	14447	3377	540.5	191.1	51.41	28.74
MEAN	226	1071	613	1294	450	447	482	109	18.0	6.16	1.66	0.96
MAX	1240	4270	2320	9180	871	1590	1590	334	46	13	4.5	3.4
MIN	2.9	263	139	155	209	117	169	26	8.5	2.2	0.92	0.31
AC-FT	13870	63720	37710	79590	25000	27460	28660	6700	1070	379	102	57
CFSM	0.94	4.44	2.54	5.37	1.87	1.85	2.00	0.45	0.07	0.03	0.01	0.00
IN.	1.08	4.96	2.93	6.19	1.95	2.14	2.23	0.52	0.08	0.03	0.01	0.00

ARKANSAS RIVER BASIN

07257500 ILLINOIS BAYOU NEAR SCOTTSVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948-70, 2000-05, BY WATER YEAR (WY)

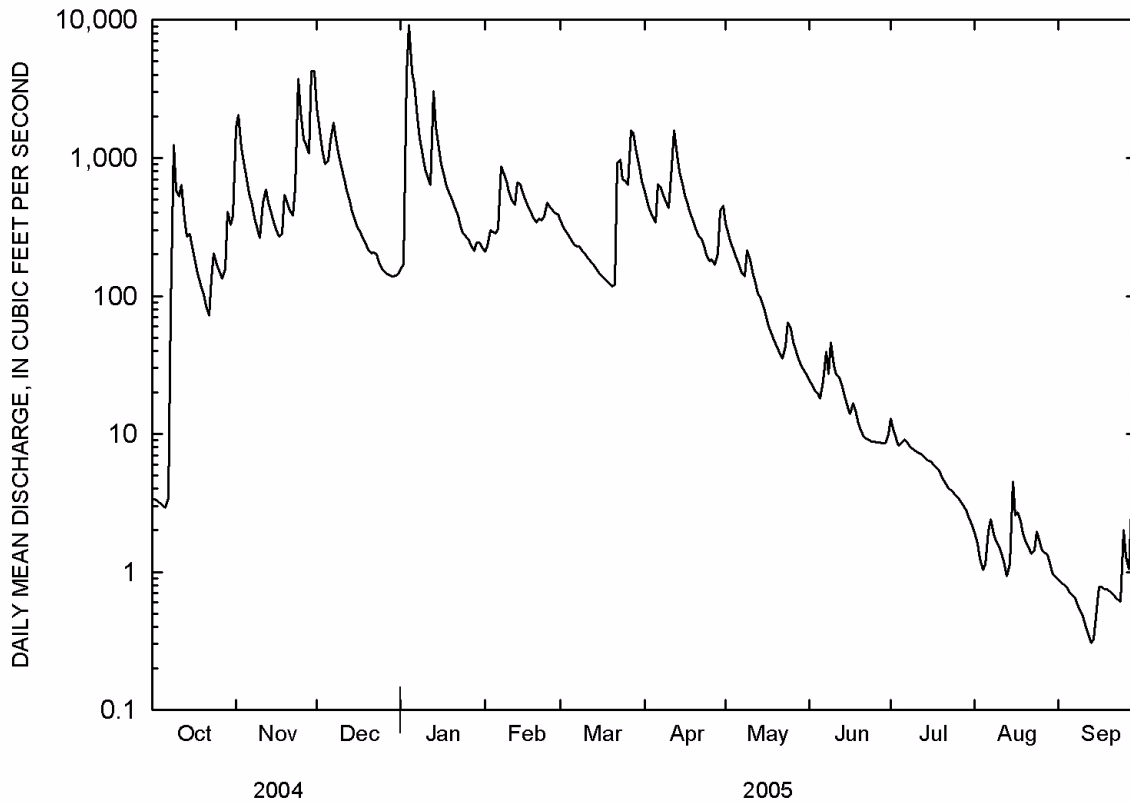
MEAN	81.1	238	393	541	642	715	722	575	174	91.1	60.0	52.3
MAX	627	1252	1513	2918	1666	2075	2116	1828	929	499	576	634
(WY)	1950	1952	1969	1949	2001	2002	1957	1961	1957	1950	1950	1970
MIN	0.00	0.04	0.68	16.3	51.9	147	105	83.4	15.8	1.21	0.56	0.00
(WY)	2000	1954	1954	1964	1963	1956	1963	2001	1966	1953	1952	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948-70, 2000-05	
ANNUAL TOTAL	162488.8		143336.25			
ANNUAL MEAN	444		393		355	
HIGHEST ANNUAL MEAN					693 1950	
LOWEST ANNUAL MEAN					142 1954	
HIGHEST DAILY MEAN	18200	Apr 23	9180	Jan 4	38500	Jan 24 1949
LOWEST DAILY MEAN	2.7	Sep 18	0.31	Sep 13	0.00	Sep 17 1953
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 17	0.42	Sep 9	0.00	Sep 17 1953
MAXIMUM PEAK FLOW			18500	Jan 4	1,2130000	Dec 3 1982
MAXIMUM PEAK STAGE			15.29	Jan 4	27.49	Dec 3 1982
INSTANTANEOUS LOW FLOW			0.28	Sep 14	0.00	at times
ANNUAL RUNOFF (AC-FT)	322300		284300		257500	
ANNUAL RUNOFF (CFSM)	1.84		1.63		1.48	
ANNUAL RUNOFF (INCHES)	25.08		22.12		20.04	
10 PERCENT EXCEEDS	823		920		812	
50 PERCENT EXCEEDS	178		170		99	
90 PERCENT EXCEEDS	12		1.3		1.4	

¹From rating curve extended above 56,100 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow

²Occurred during period of computation of annual maximum only, water years 1971-99

^eEstimated



ARKANSAS RIVER BASIN

251

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.--WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft above NGVD29.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	344	e1780	41	133	121	192	33	27	2.0	0.68	0.00
2	0.08	361	804	58	354	103	179	27	310	1.8	0.54	0.00
3	0.04	337	524	2700	436	94	147	24	93	1.5	0.42	0.05
4	0.01	345	405	3670	306	86	121	21	43	1.3	0.29	2.8
5	0.00	238	494	2580	259	79	108	19	31	1.1	0.19	3.7
6	0.00	145	668	2970	250	72	778	17	73	0.95	0.12	1.9
7	0.05	85	2070	1010	310	68	767	15	26	0.83	0.10	1.4
8	3.0	53	800	650	263	73	457	15	14	0.74	0.05	1.2
9	41	35	530	478	260	71	319	22	11	0.62	0.06	0.91
10	17	22	402	396	224	69	248	30	8.7	0.57	0.02	0.69
11	15	232	319	354	193	61	225	23	9.9	0.49	0.00	0.55
12	41	262	280	618	182	52	212	17	7.0	0.43	0.00	0.43
13	26	138	223	5550	250	47	168	14	5.5	0.37	0.00	0.34
14	8.2	76	164	1280	211	44	136	14	4.7	0.33	0.00	168
15	4.3	49	124	655	172	41	114	12	3.9	0.29	0.03	223
16	3.0	37	104	468	146	41	93	12	3.7	0.27	0.18	180
17	2.0	29	87	374	122	40	79	13	4.0	0.26	0.27	58
18	1.5	255	77	317	108	38	69	12	4.4	0.21	0.30	25
19	1.8	469	62	286	104	36	59	11	3.9	0.17	0.27	14
20	1.8	307	49	261	105	34	52	9.6	4.9	0.15	0.26	9.3
21	1.5	219	44	238	103	39	47	8.0	5.9	0.12	0.31	6.9
22	1.5	155	44	212	98	231	43	7.5	4.5	0.09	0.23	5.6
23	1.8	787	54	175	140	216	38	7.5	3.4	0.05	0.16	4.8
24	1.6	3250	45	159	200	157	33	7.4	3.8	0.01	0.12	4.8
25	1.8	1130	38	151	154	126	29	43	4.4	0.00	0.08	82
26	1.9	564	39	138	125	170	28	53	3.9	0.00	0.06	204
27	2.6	482	49	121	113	744	28	25	3.3	0.50	0.04	78
28	3.4	423	53	112	128	643	26	16	2.8	1.5	0.01	42
29	3.9	4190	52	142	---	401	28	12	2.4	1.3	0.00	70
30	5.0	e6720	49	139	---	293	42	9.7	2.1	1.1	0.00	91
31	13	---	47	133	---	224	---	8.2	---	0.81	0.00	---
TOTAL	203.92	21739	10480	26436	5449	4514	4865	557.9	725.1	19.86	4.79	1280.37
MEAN	6.58	725	338	853	195	146	162	18.0	24.2	0.64	0.15	42.7
MAX	41	6720	2070	5550	436	744	778	53	310	2.0	0.68	223
MIN	0.00	22	38	41	98	34	26	7.4	2.1	0.00	0.00	0.00
AC-FT	404	43120	20790	52440	10810	8950	9650	1110	1440	39	9.5	2540
CFSM	0.03	3.01	1.40	3.54	0.81	0.60	0.67	0.07	0.10	0.00	0.00	0.18
IN.	0.03	3.36	1.62	4.08	0.84	0.70	0.75	0.09	0.11	0.00	0.00	0.20

ARKANSAS RIVER BASIN

07258500 PETIT JEAN RIVER NEAR BOONEVILLE--CONTINUED

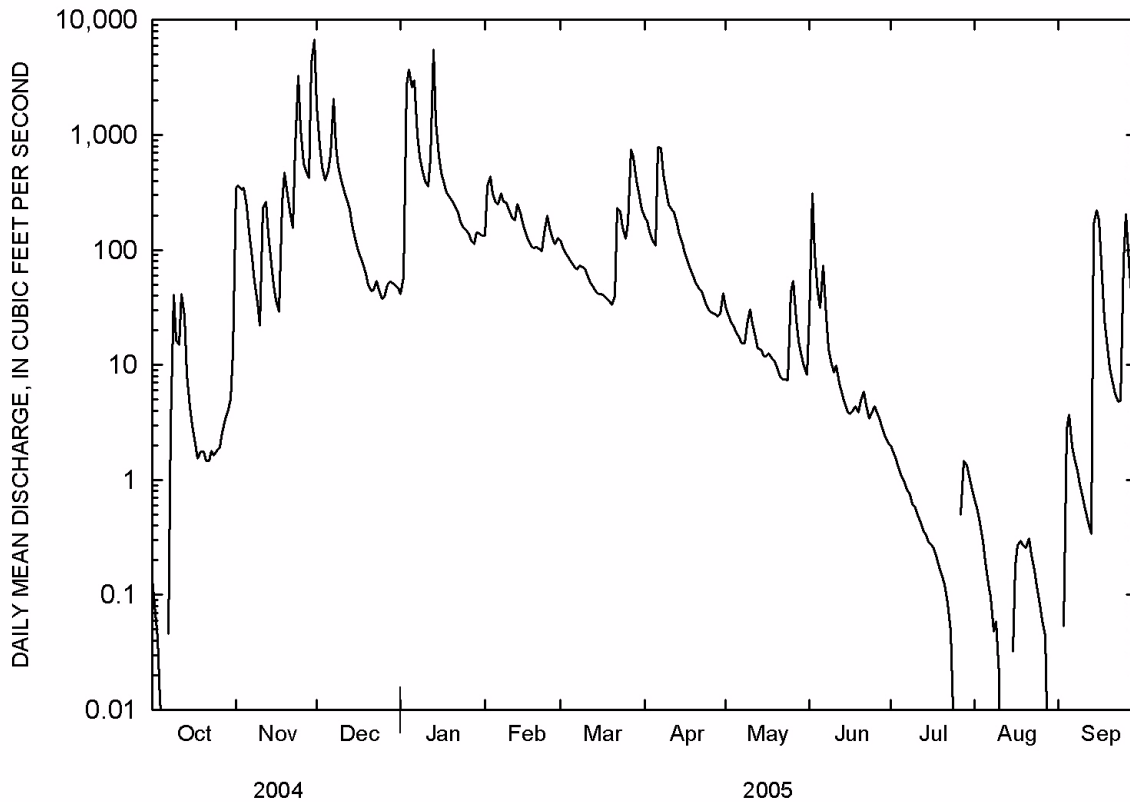
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-84, 2000-05, BY WATER YEAR (WY)

MEAN	56.5	182	281	299	418	502	458	445	141	68.9	29.8	41.4
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	0.00	0.00	0.01	0.00	8.81	21.1	43.3	15.6	1.76	0.13	0.00	0.00
(WY)	1947	1964	1964	1956	1967	1940	1982	1977	1972	1954	1980	1939

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1939-84, 2000-05

ANNUAL TOTAL	92740.27		76274.94				
ANNUAL MEAN	253		209		242		
HIGHEST ANNUAL MEAN					657 1945		
LOWEST ANNUAL MEAN					46.2 1956		
HIGHEST DAILY MEAN	6720	Nov 30	6720	Nov 30	28600	Apr 16 1939	
LOWEST DAILY MEAN	0.00	Oct 5	0.00	Oct 5	0.00	Aug 19 1939	
ANNUAL SEVEN-DAY MINIMUM	0.05	Oct 1	0.01	Aug 27	0.00	Aug 31 1939	
MAXIMUM PEAK FLOW			8710	Nov 29	43200 Apr 16 1939		
MAXIMUM PEAK STAGE			19.72	Nov 29	23.42	Apr 16 1939	
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times		
ANNUAL RUNOFF (AC-FT)	184000		151300		175600		
ANNUAL RUNOFF (CFSM)	1.05		0.867		1.01		
ANNUAL RUNOFF (INCHES)	14.32		11.77		13.66		
10 PERCENT EXCEEDS	540		403		469		
50 PERCENT EXCEEDS	73		39		33		
90 PERCENT EXCEEDS	1.8		0.17		0.20		

Estimated



ARKANSAS RIVER BASIN

253

07260000 DUTCH CREEK AT WALTREAK

LOCATION.--Lat 34°59'15", long 93°36'47", 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.

DRAINAGE AREA.--81.4 mi².

PERIOD OF RECORD.--October 1945 to November 1975, October 1999 to current year. Annual maximum 1976-99. Monthly discharge only for some periods published in WSP 1311.

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

GAGE.--Water-stage recorder. Datum of gage is 371.48 ft above NGVD29.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1927 reached a stage of 19.5 ft, discharge about 14,600 ft³/s, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	715	803	111	27	33	131	2.7	0.11	1.2	0.01	0.00
2	0.00	685	501	117	37	31	114	2.1	0.29	1.1	0.00	0.00
3	0.00	399	356	939	61	31	99	1.7	1.2	0.84	0.00	0.00
4	0.00	367	287	1390	57	24	83	1.3	0.72	0.60	0.00	0.00
5	0.00	261	282	815	48	27	74	1.1	0.38	0.45	0.00	0.00
6	0.00	201	359	904	49	28	148	0.93	0.28	0.42	0.00	0.00
7	0.00	164	610	563	115	28	150	0.72	0.23	0.33	0.00	0.00
8	189	133	452	439	137	25	142	0.59	0.18	0.24	0.00	0.00
9	232	108	335	347	123	25	122	0.74	0.16	0.19	0.00	0.00
10	153	90	272	298	110	24	106	0.65	173	0.22	0.00	0.00
11	379	167	229	274	96	23	99	0.47	30	0.37	0.00	0.00
12	201	188	206	247	86	21	101	0.32	9.0	0.20	0.00	0.00
13	119	152	182	680	98	18	83	0.23	7.5	0.12	0.00	0.00
14	83	131	161	475	100	15	72	0.23	6.3	0.09	0.00	0.00
15	63	114	152	330	82	14	61	0.29	4.3	0.09	0.00	0.00
16	47	100	144	265	70	14	48	0.25	3.6	0.08	0.00	0.00
17	34	89	142	224	63	12	37	0.21	4.1	0.08	0.00	0.00
18	28	218	137	188	54	11	30	0.19	4.2	0.07	0.00	0.00
19	23	476	126	162	51	10	23	0.17	3.4	0.07	0.00	0.00
20	18	284	110	144	46	9.5	18	0.16	2.9	0.08	0.00	0.00
21	14	219	124	119	50	9.1	15	0.13	3.4	0.08	0.00	0.00
22	12	185	142	94	45	16	13	0.11	3.0	0.08	0.00	0.00
23	15	380	134	78	45	32	10	0.12	2.5	0.07	0.00	0.00
24	14	1450	118	67	55	38	9.4	0.11	2.2	0.06	0.00	0.00
25	12	653	112	56	53	37	7.9	0.14	2.2	0.05	0.00	36
26	12	392	110	48	49	50	6.6	0.12	2.1	0.04	0.00	35
27	12	493	110	38	43	508	5.3	0.09	2.1	0.04	0.00	6.3
28	11	445	114	35	37	380	4.4	0.09	2.0	0.03	0.00	2.7
29	11	1600	116	34	---	239	3.8	0.09	1.8	0.03	0.00	2.5
30	77	1600	118	31	---	179	3.6	0.09	1.4	0.02	0.00	1.3
31	613	---	118	31	---	149	---	0.09	---	0.01	0.00	---
TOTAL	2372.00	12459	7162	9543	1887	2060.6	1820.0	16.23	274.55	7.35	0.01	83.80
MEAN	76.5	415	231	308	67.4	66.5	60.7	0.52	9.15	0.24	0.00	2.79
MAX	613	1600	803	1390	137	508	150	2.7	173	1.2	0.01	36
MIN	0.00	89	110	31	27	9.1	3.6	0.09	0.11	0.01	0.00	0.00
AC-FT	4700	24710	14210	18930	3740	4090	3610	32	545	15	0.02	166
CFSM	0.94	5.10	2.84	3.78	0.83	0.82	0.75	0.01	0.11	0.00	0.00	0.03
IN.	1.08	5.69	3.27	4.36	0.86	0.94	0.83	0.01	0.13	0.00	0.00	0.04

ARKANSAS RIVER BASIN

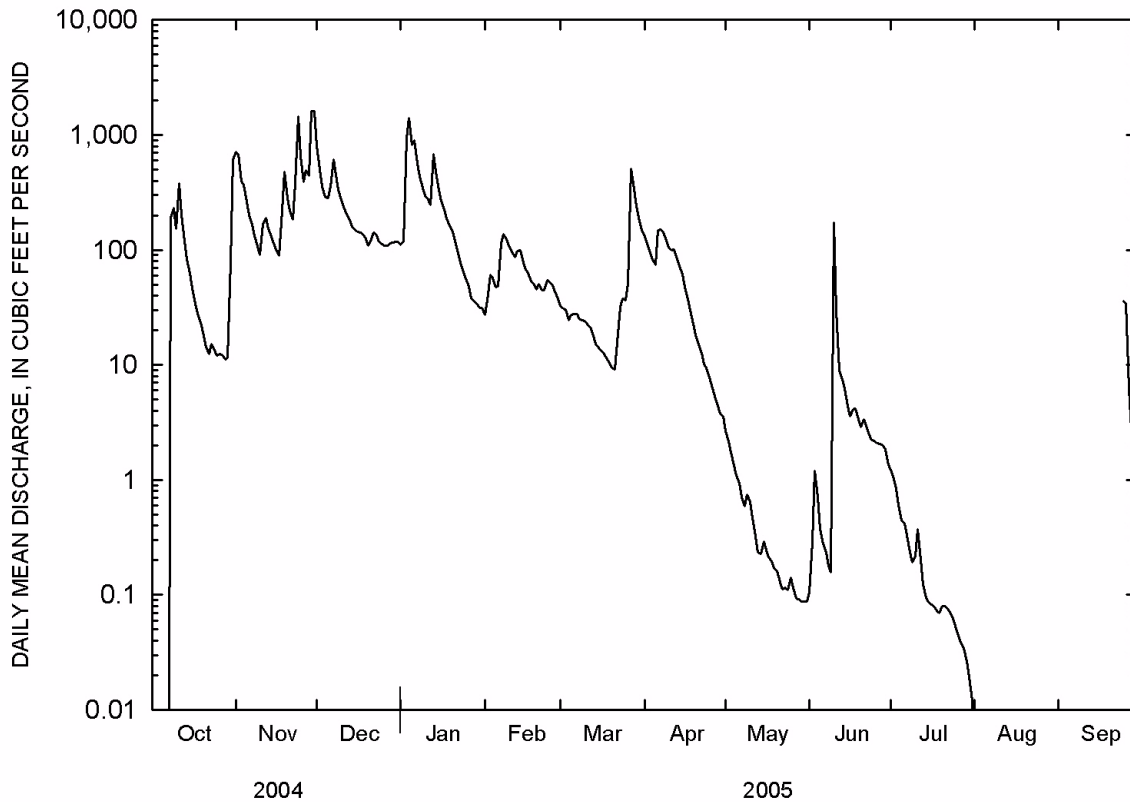
07260000 DUTCH CREEK AT WALTREAK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946-76, 2000-05, BY WATER YEAR (WY)

MEAN	21.9	73.7	126	133	154	185	177	145	43.2	29.0	9.52	8.91
MAX	178	415	480	643	494	598	839	587	283	378	126	99.8
(WY)	1974	2005	1972	1949	1950	1973	1957	1968	1974	1969	1957	1950
MIN	0.00	0.00	0.00	0.00	4.69	11.3	17.1	0.52	2.04	0.03	0.00	0.00
(WY)	1947	1954	1954	1964	1967	1972	2003	2005	1964	1954	1954	1946

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1946-76, 2000-05

ANNUAL TOTAL	43039.24		37685.54		92.1		
ANNUAL MEAN	118		103		225		
HIGHEST ANNUAL MEAN					27.2		
LOWEST ANNUAL MEAN					1973		
HIGHEST DAILY MEAN	3880	Apr 24	1600	Nov 29	9540	Jul 26	1969
LOWEST DAILY MEAN	0.00	Sep 10	0.00	Oct 1	0.00	Aug 24	1946
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 10	0.00	Oct 1	0.00	Aug 24	1946
MAXIMUM PEAK FLOW			4620	Nov 29	24500	Jul 26	1969
MAXIMUM PEAK STAGE			11.89	Nov 29	22.38	Jul 26	1969
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times		
ANNUAL RUNOFF (AC-FT)	85370		74750		66760		
ANNUAL RUNOFF (CFSM)	1.44		1.27		1.13		
ANNUAL RUNOFF (INCHES)	19.67		17.22		15.38		
10 PERCENT EXCEEDS	283		285		175		
50 PERCENT EXCEEDS	23		15		17		
90 PERCENT EXCEEDS	0.04		0.00		0.00		



ARKANSAS RIVER BASIN

255

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 from 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.--WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft above NGVD of 1929. June 1, 1916, to Aug. 24, 1934, non-recording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, non-recording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. As of July 1986, flow from 51.6 mi² upstream from this station is controlled by 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	1410	6240	672	1050	497	1680	83	47	45	23	16
2	30	1530	3230	284	1080	200	1150	80	58	28	17	15
3	27	1080	1330	1010	1130	113	1100	77	55	23	13	15
4	26	1500	2520	4980	1110	105	1030	74	175	18	14	18
5	29	1430	2890	4950	1210	107	551	77	237	22	15	19
6	29	1350	3180	3490	1230	105	791	71	223	27	15	27
7	33	1290	4060	1830	1140	97	892	70	223	36	15	22
8	295	1220	3460	2570	1010	92	1290	69	220	27	19	26
9	600	782	3220	2520	1020	83	1280	70	218	22	22	24
10	270	670	3480	2440	1180	80	1250	69	492	24	23	24
11	333	754	3610	2920	858	75	1190	66	615	37	23	23
12	388	794	3780	3100	796	70	763	68	361	58	21	23
13	331	736	3710	3950	909	62	665	95	236	32	28	24
14	361	697	3440	2590	916	56	623	91	461	31	33	45
15	342	653	3270	3040	1030	53	574	89	484	25	39	73
16	320	729	3340	3460	1060	57	453	83	466	36	76	67
17	304	711	3360	3520	825	56	419	81	231	82	77	642
18	291	904	3390	3420	677	54	400	63	176	62	62	819
19	289	1390	3340	3400	441	53	332	41	152	49	58	759
20	336	1330	3180	3490	375	49	215	37	139	44	44	159
21	330	1210	3090	3500	370	54	187	34	133	36	35	24
22	151	1160	3150	3380	336	143	141	34	130	28	32	17
23	102	1710	2810	3200	365	242	114	33	129	17	36	16
24	100	3530	1610	3070	459	211	102	36	84	15	35	18
25	103	3360	1280	3200	400	177	99	45	59	14	19	49
26	108	1660	1250	3350	530	234	96	48	56	14	20	83
27	105	2730	1230	3260	529	1650	92	39	53	18	40	81
28	105	3100	1220	2390	527	1870	86	44	55	49	57	277
29	102	3520	1210	1260	---	2090	86	44	53	37	55	340
30	128	6760	1150	1080	---	2290	87	41	52	28	18	322
31	697	---	752	1060	---	2290	---	40	---	26	15	---
TOTAL	6698	49700	86782	86386	22563	13315	17738	1892	6073	1010	999	4067
MEAN	216	1657	2799	2787	806	430	591	61.0	202	32.6	32.2	136
MAX	697	6760	6240	4980	1230	2290	1680	95	615	82	77	819
MIN	26	653	752	284	336	49	86	33	47	14	13	15
AC-FT	13290	98580	172100	171300	44750	26410	35180	3750	12050	2000	1980	8070

ARKANSAS RIVER BASIN

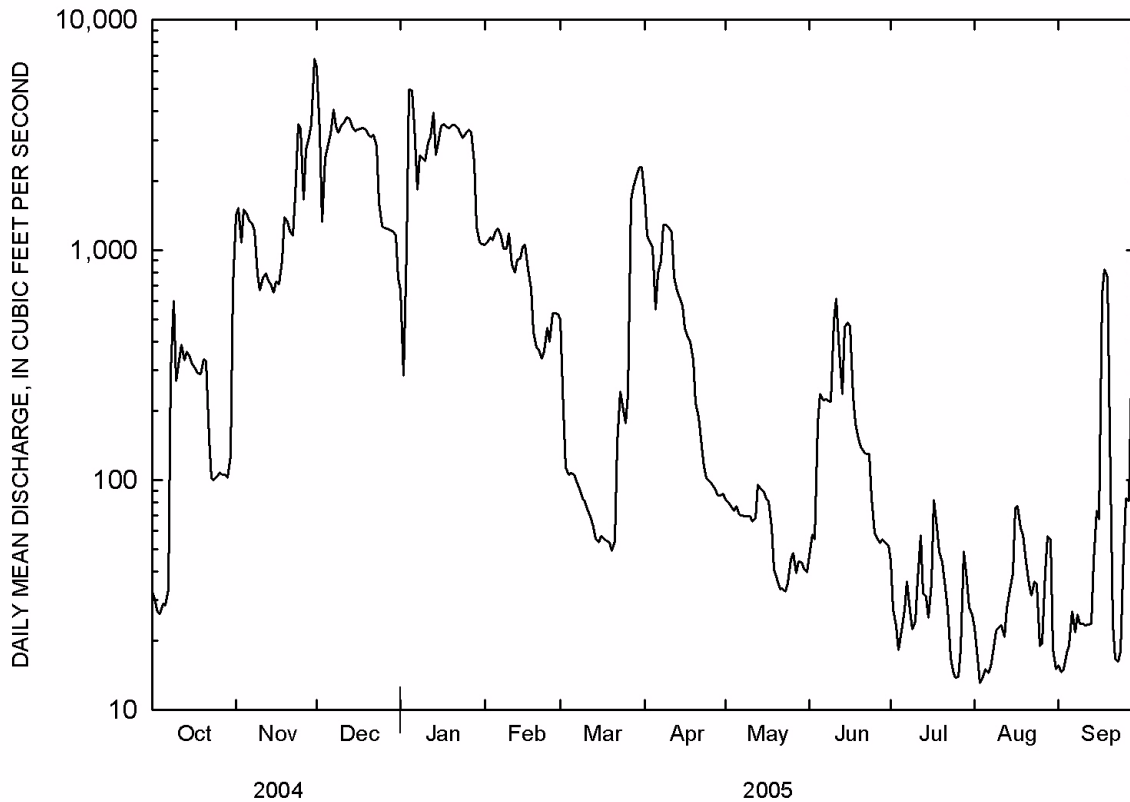
07260500 PETIT JEAN RIVER AT DANVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	182	583	1218	1179	1341	1461	1351	1366	716	314	164	102
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	3.75
(WY)	1947	1996	1966	1964	1967	1967	1963	1977	1966	1985	1947	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	318693		297223			
ANNUAL MEAN	871		814		1829	
HIGHEST ANNUAL MEAN					1920 1973	
LOWEST ANNUAL MEAN					187 1976	
HIGHEST DAILY MEAN	10900	Apr 25	6760	Nov 30	26400	Dec 3 1982
LOWEST DAILY MEAN	13	Aug 30	13	Aug 3	0.00	Aug 11 1956
ANNUAL SEVEN-DAY MINIMUM	14	Aug 27	15	Aug 2	0.01	Oct 24 1999
MAXIMUM PEAK FLOW			7790	Nov 30	247500	Dec 3 1982
MAXIMUM PEAK STAGE			22.70	Dec 1	329.36	Dec 3 1982
INSTANTANEOUS LOW FLOW			13	at times	0.00	at times
ANNUAL RUNOFF (AC-FT)	632100		589500		600700	
10 PERCENT EXCEEDS	2630		3160		2530	
50 PERCENT EXCEEDS	294		211		179	
90 PERCENT EXCEEDS	20		24		10	

¹Prior to regulation, water years 1917-46, 845 ft³/s
²Maximum discharge for period of record, 70,800 ft³/s April 17, 1939
³Maximum gage height for period of record, 31.82 ft April 17, 1939



ARKANSAS RIVER BASIN

257

07261000 CADRON CREEK NEAR GUY

LOCATION.--Lat 35°17'55", long 92°24'14", 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.--WDR Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are fair to poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	746	1590	228	121	191	376	595	14	3.4	0.92	1.2
2	1.3	1840	973	293	118	165	301	368	12	4.6	0.80	1.1
3	1.2	900	702	784	e100	155	250	262	11	4.4	0.71	1.1
4	1.3	718	537	2640	122	147	215	208	10	3.9	0.53	1.2
5	1.3	485	442	1940	e87	138	190	171	9.1	4.0	0.42	1.1
6	1.3	357	549	2980	e90	126	280	145	8.4	4.3	0.92	0.88
7	1.3	276	1260	1450	e210	121	296	124	9.7	4.2	1.5	0.65
8	16	217	894	1150	e380	121	257	110	12	3.5	1.2	0.54
9	38	176	652	834	315	114	226	98	23	3.4	1.1	0.44
10	73	154	502	667	265	121	203	87	27	4.4	0.97	0.31
11	205	355	383	554	230	115	285	79	26	5.5	0.80	0.29
12	598	458	313	469	211	102	894	70	43	5.1	0.56	0.31
13	226	297	264	e782	320	96	608	61	31	6.0	0.70	0.23
14	155	233	219	e672	362	89	439	55	20	6.1	1.1	0.23
15	180	196	195	e526	296	84	327	50	14	6.1	2.5	0.33
16	147	172	181	411	257	86	260	45	10	7.4	2.5	0.34
17	114	154	167	e366	217	88	221	40	9.3	7.3	1.7	0.25
18	114	146	153	291	193	82	191	38	7.9	6.1	1.4	0.20
19	165	165	141	263	176	78	170	36	6.5	4.8	1.3	0.18
20	121	153	130	e247	166	74	148	34	5.3	4.9	1.1	0.16
21	100	135	126	217	218	71	128	32	4.2	4.5	1.0	e0.16
22	88	123	565	195	224	262	305	30	3.7	3.9	0.95	0.17
23	95	246	585	169	199	395	172	27	3.5	18	0.89	0.18
24	121	1380	406	155	251	263	126	26	2.7	15	1.4	0.33
25	110	938	336	149	224	250	109	24	2.6	7.5	1.5	180
26	96	609	294	141	202	262	100	22	2.1	4.6	4.1	170
27	88	539	278	e104	189	1790	90	20	1.9	2.8	6.8	73
28	81	586	268	e99	206	2190	91	18	1.7	2.0	4.0	39
29	75	1290	268	132	---	1060	188	16	1.5	1.7	2.6	28
30	73	3630	258	e121	---	708	1360	16	1.5	1.3	1.9	17
31	117	---	243	e102	---	500	---	14	---	1.1	1.4	---
TOTAL	3205.1	17674	13874	19131	5949	10044	8806	2921	334.6	161.8	49.27	518.88
MEAN	103	589	448	617	212	324	294	94.2	11.2	5.22	1.59	17.3
MAX	598	3630	1590	2980	380	2190	1360	595	43	18	6.8	180
MIN	1.2	123	126	99	87	71	90	14	1.5	1.1	0.42	0.16
AC-FT	6360	35060	27520	37950	11800	19920	17470	5790	664	321	98	1030
CFSM	0.61	3.49	2.65	3.65	1.26	1.92	1.74	0.56	0.07	0.03	0.01	0.10
IN.	0.71	3.89	3.05	4.21	1.31	2.21	1.94	0.64	0.07	0.04	0.01	0.11

ARKANSAS RIVER BASIN

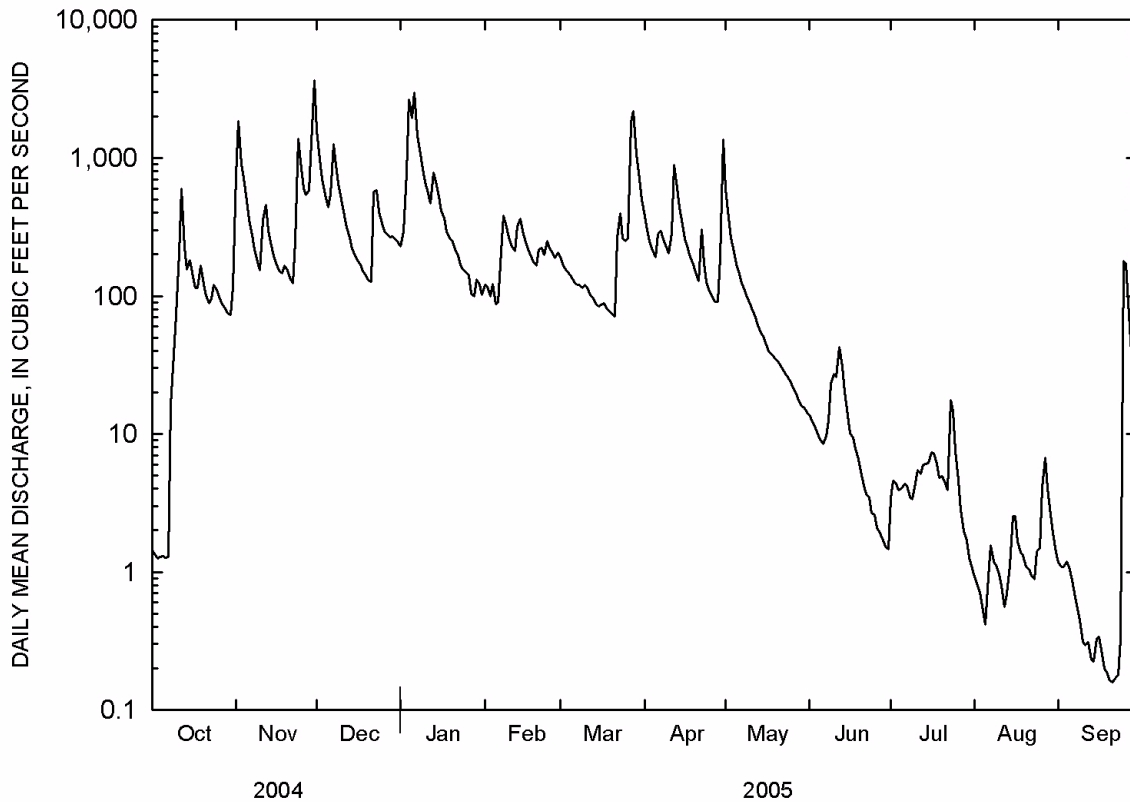
07261000 CADRON CREEK NEAR GUY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

MEAN	69.5	268	409	387	473	544	452	364	132	38.3	39.0	49.7
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	0.00	0.00	6.97	21.0	49.6	91.8	81.1	21.3	5.25	0.78	0.03	0.00
(WY)	1955	1955	1955	1955	1963	1972	1960	2001	1988	1998	1999	1999

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1955 - 2005	
ANNUAL TOTAL	94470.64		82668.65			
ANNUAL MEAN	258		226		268	
HIGHEST ANNUAL MEAN					566 1973	
LOWEST ANNUAL MEAN					120 1996	
HIGHEST DAILY MEAN	3630	Nov 30	3630	Nov 30	14800	Dec 4 1982
LOWEST DAILY MEAN	0.21	Sep 30	0.16	Sep 20	0.00	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	0.39	Sep 24	0.19	Sep 17	0.00	Oct 1 1954
MAXIMUM PEAK FLOW			5680	Nov 30	24200	Dec 4 1982
MAXIMUM PEAK STAGE			12.34	Nov 30	29.29	Dec 4 1982
INSTANTANEOUS LOW FLOW			0.09	Sep 20,24	0.00	at times
ANNUAL RUNOFF (AC-FT)	187400		164000		194000	
ANNUAL RUNOFF (CFSM)	1.53		1.34		1.58	
ANNUAL RUNOFF (INCHES)	20.79		18.20		21.53	
10 PERCENT EXCEEDS	617		573		630	
50 PERCENT EXCEEDS	118		110		87	
90 PERCENT EXCEEDS	2.8		1.1		1.1	

Estimated



ARKANSAS RIVER BASIN

259

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.--March 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 NGVD of 1929. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	5220	4250	257	116	253	576	181	71	6.3	0.01	0.39
2	0.00	4180	2340	259	146	232	502	160	78	5.5	0.01	0.25
3	0.00	2480	1620	2390	235	220	434	144	205	4.6	0.01	0.16
4	0.00	2220	1210	10400	300	211	370	129	201	4.0	0.00	0.02
5	0.00	1540	1000	4530	278	202	331	118	135	3.2	0.00	0.02
6	0.00	1080	1030	5770	266	183	430	107	101	3.3	0.01	0.01
7	0.01	794	1530	2640	894	170	623	98	81	3.2	0.01	0.01
8	843	602	1630	1910	1220	158	612	92	68	2.8	0.01	0.01
9	1060	471	1180	1370	895	149	511	91	58	1.9	0.01	0.00
10	571	385	935	1050	718	140	435	93	59	2.4	0.01	0.00
11	1160	568	736	849	590	130	395	100	48	5.1	0.00	0.00
12	935	607	613	700	512	121	419	91	49	5.5	0.00	0.00
13	498	526	521	2690	478	113	396	80	41	5.0	0.00	0.00
14	332	420	433	1960	451	105	334	80	34	6.3	0.00	0.00
15	251	353	369	1170	394	102	293	75	29	4.4	0.00	0.01
16	204	309	330	873	338	103	256	73	25	3.5	0.00	0.01
17	161	272	302	693	297	100	226	69	25	5.0	0.00	0.01
18	158	385	274	578	261	95	201	65	24	7.2	0.00	0.01
19	164	1560	246	499	239	96	178	61	22	5.7	0.00	0.00
20	150	1190	222	434	226	93	161	57	18	4.1	0.00	0.00
21	122	865	208	375	214	100	146	52	16	2.8	0.01	0.00
22	106	692	235	321	201	174	140	47	15	2.6	0.01	0.00
23	120	1690	268	262	203	394	794	45	14	1.7	0.29	0.00
24	129	7390	258	219	312	416	495	43	13	0.91	0.91	0.33
25	124	3460	233	191	337	350	360	43	12	0.51	0.79	8.0
26	111	1920	222	169	295	380	310	41	11	0.38	1.0	11
27	103	3950	220	147	267	1880	338	42	9.1	0.31	1.5	14
28	928	2660	233	130	257	2020	288	48	7.9	0.11	1.2	12
29	677	4080	253	124	---	1370	233	57	6.9	0.02	0.92	13
30	1340	10000	266	118	---	965	203	56	6.9	0.02	0.71	8.3
31	8610	---	265	118	---	727	---	52	---	0.01	0.58	---
TOTAL	18857.01	61869	23432	43196	10940	11752	10990	2490	1483.8	98.37	8.00	67.54
MEAN	608	2062	756	1393	391	379	366	80.3	49.5	3.17	0.26	2.25
MAX	8610	10000	4250	10400	1220	2020	794	181	205	7.2	1.5	14
MIN	0.00	272	208	118	116	93	140	41	6.9	0.01	0.00	0.00
AC-FT	37400	122700	46480	85680	21700	23310	21800	4940	2940	195	16	134
CFSM	1.48	5.03	1.84	3.40	0.95	0.92	0.89	0.20	0.12	0.01	0.00	0.01
IN.	1.71	5.61	2.13	3.92	0.99	1.07	1.00	0.23	0.13	0.01	0.00	0.01

ARKANSAS RIVER BASIN

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY--CONTINUED

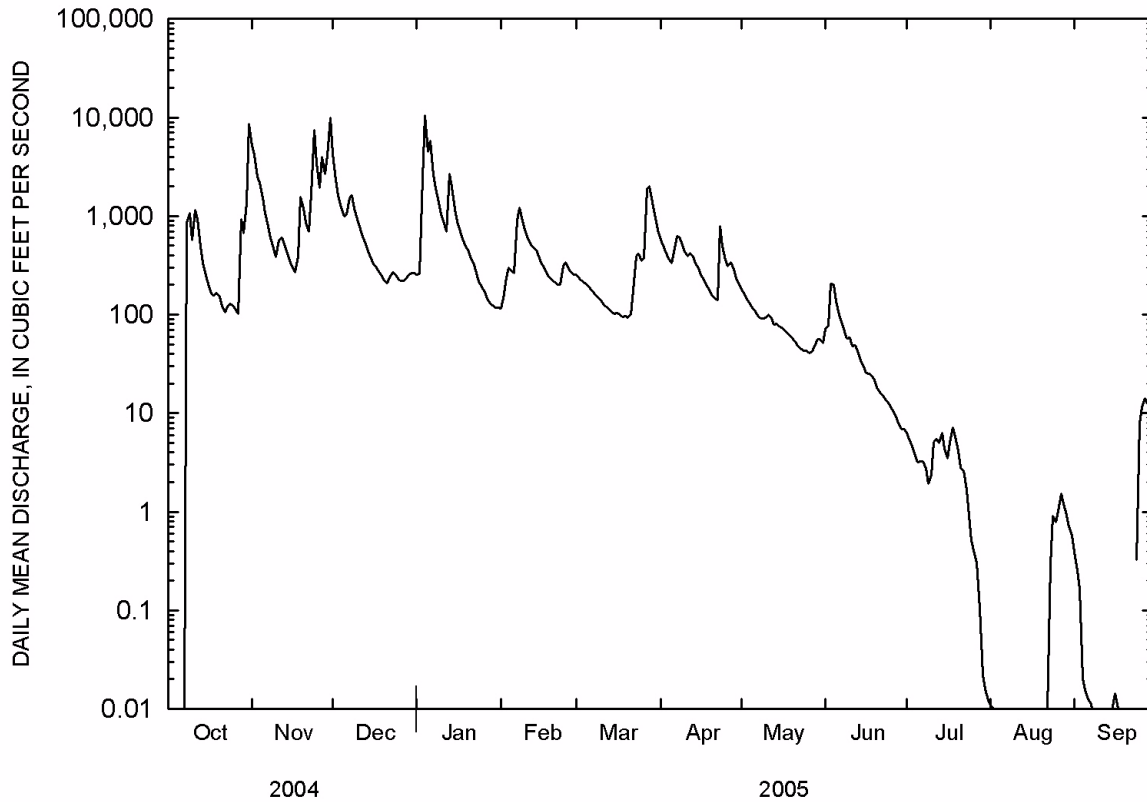
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-94, 2000-05, BY WATER YEAR (WY)

MEAN	196	467	757	683	892	1038	979	925	387	123	36.5	75.6
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	0.00	0.00	0.00	0.02	27.4	65.7	123	51.3	5.78	0.65	0.00	0.00
(WY)	1953	1957	1964	1964	1963	1940	2003	1977	1972	1964	1954	1943

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1939-94, 2000-05

ANNUAL TOTAL	229365.47		185183.72				
ANNUAL MEAN	627		507		544		
HIGHEST ANNUAL MEAN					1269		1945
LOWEST ANNUAL MEAN					115		1940
HIGHEST DAILY MEAN	16200	Apr 24	10400	Jan 4	67000	Dec 3	1982
LOWEST DAILY MEAN	0.00	Sep 20	0.00	Oct 1	0.00	Sep 22	1939
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 20	0.00	Aug 11	0.00	Sep 22	1939
MAXIMUM PEAK FLOW			16500	Oct 31	¹ 162000		
MAXIMUM PEAK STAGE			17.51	Oct 31	² 32.45		
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times		
ANNUAL RUNOFF (AC-FT)	454900		367300		394300		
ANNUAL RUNOFF (CFSM)	1.53		1.24		1.33		
ANNUAL RUNOFF (INCHES)	20.81		16.80		18.04		
10 PERCENT EXCEEDS	1350		1180		1150		
50 PERCENT EXCEEDS	187		146		126		
90 PERCENT EXCEEDS	4.2		0.01		1.8		

¹From rating curve extended above 47,000 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow
²From floodmark



ARKANSAS RIVER BASIN

261

07263012 FOURCHE LAFAVE RIVER NEAR APLIN

LOCATION.--Lat 34°57'23", long 92°59'06", in E1/2NE1/4 sec.35, T.4 N., R.19 W., Perry County, Hydrologic Unit 11110206, on right bank 30 ft upstream from State Highway 155 bridge, 1.0 mi south of Aplin.

DRAINAGE AREA.--957 mi².

PERIOD OF RECORD.--October 2002 to current year. Annual maximum water years 1980-2002.

GAGE.--Water-stage recorder.Datum of gage is 269.09 ft above NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	8420	3380	874	3980	680	1650	363	219	43	27	22
2	28	8370	1930	815	3300	539	1570	324	234	23	28	20
3	27	3900	3140	1730	2990	279	1520	212	235	18	27	20
4	27	2950	4920	6380	1680	272	1130	210	235	17	19	19
5	26	4750	4980	3830	942	272	494	207	233	16	14	18
6	24	5550	4950	4160	927	270	1100	206	233	16	16	17
7	23	5410	3830	2230	1010	263	1850	205	236	17	14	16
8	264	5380	3490	2130	1390	261	1630	202	240	16	11	16
9	414	5570	3690	1360	1800	253	1330	202	221	15	9.9	15
10	277	5180	3730	986	2050	222	1250	194	108	15	8.6	15
11	265	4600	4020	1260	1700	215	1230	134	96	18	7.9	14
12	632	2960	3920	2040	1130	213	1380	121	95	20	7.9	14
13	1510	3360	4350	1690	1130	209	1270	118	92	17	9.0	13
14	1450	3040	5360	949	1110	206	1200	109	135	16	10	19
15	1100	2840	5420	574	943	206	979	100	135	17	543	25
16	530	2690	5420	413	646	206	648	94	126	24	199	20
17	541	2120	5400	361	618	206	576	92	93	25	232	54
18	525	885	5460	1170	589	205	503	76	86	132	225	85
19	536	2090	5310	2750	569	206	435	57	82	492	180	82
20	519	1950	4960	2730	445	205	384	51	80	101	102	55
21	420	1740	3580	3020	190	210	265	49	79	84	51	40
22	221	1940	3710	3560	208	443	255	44	78	85	40	37
23	236	2460	2650	3520	423	1350	244	45	78	87	37	38
24	299	5110	1530	3920	648	1660	236	43	77	86	33	43
25	273	2400	1360	4730	806	1410	545	50	77	85	32	155
26	244	1820	1280	5140	747	1240	994	44	78	85	29	155
27	281	3720	1270	4850	733	4440	376	40	79	84	27	198
28	277	4070	1320	4740	714	2900	369	40	81	83	26	194
29	279	4120	1420	4660	---	2910	369	39	78	45	24	186
30	393	6630	1280	4560	---	3690	366	39	74	28	24	168
31	4660	---	972	4450	---	2960	---	41	---	26	23	---
TOTAL	16328	116025	108032	85582	33418	28601	26148	3751	3993	1836	2036.3	1773
MEAN	527	3868	3485	2761	1194	923	872	121	133	59.2	65.7	59.1
MAX	4660	8420	5460	6380	3980	4440	1850	363	240	492	543	198
MIN	23	885	972	361	190	205	236	39	74	15	7.9	13
MED	279	3540	3710	2730	934	270	813	94	94	25	27	23
AC-FT	32390	230100	214300	169800	66280	56730	51860	7440	7920	3640	4040	3520
IN.	0.63	4.51	4.20	3.33	1.30	1.11	1.02	0.15	0.16	0.07	0.08	0.07

ARKANSAS RIVER BASIN

07263012 FOURCHE LAFAVE RIVER NEAR APLIN--CONTINUED

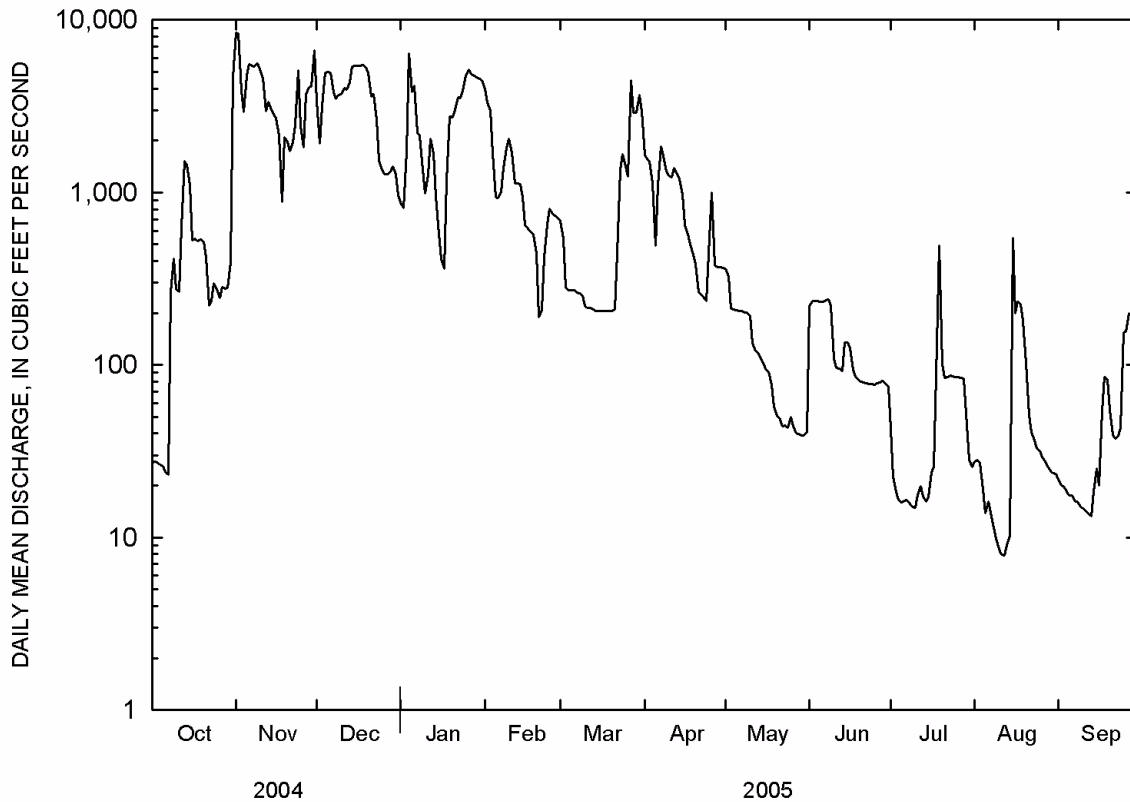
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	182	1388	1798	1745	1700	1016	937	1740	883	275	80.0	51.4
MAX	527	3868	3485	2761	2211	1395	1729	2796	2098	590	90.5	59.1
(WY)	2005	2005	2005	2005	2004	2003	2004	2004	2003	2004	2004	2005
MIN	6.32	99.4	376	884	1194	730	209	121	133	59.2	65.7	39.1
(WY)	2004	2003	2004	2004	2005	2004	2003	2005	2005	2005	2005	2003

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	528384		427523.3			
ANNUAL MEAN	1444		1171		980	
HIGHEST ANNUAL MEAN					1171 2005	
LOWEST ANNUAL MEAN					836 2004	
HIGHEST DAILY MEAN	9700	Apr 22	8420	Nov 1	a	
LOWEST DAILY MEAN	23	Oct 7	7.9	Aug 11	2.4	Nov 3 2003
ANNUAL SEVEN-DAY MINIMUM	26	Oct 1	9.2	Aug 8	2.7	Oct 30 2003
MAXIMUM PEAK FLOW			11300	Nov 1	a	Dec 3 1982
MAXIMUM PEAK STAGE			23.77	Nov 1	¹ 36.10	Dec 3 1982
INSTANTANEOUS LOW FLOW			7.8	Aug 10-12	2.0	Nov 5 2003
ANNUAL RUNOFF (AC-FT)	1048000		848000		709700	
ANNUAL RUNOFF (INCHES)	20.54		16.62		13.91	
10 PERCENT EXCEEDS	4490		4000		3410	
50 PERCENT EXCEEDS	460		270		224	
90 PERCENT EXCEEDS	71		20		18	

¹Occurred during computation of annual maximum, water years 1980-2002

^aUndetermined



ARKANSAS RIVER BASIN

263

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION

LOCATION.--Lat 34°52'34", 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 386.45 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except discharges below 2.0 ft³/s and estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	1660	410	91	20	26	85	3.8	0.30	0.40	1.1	0.10
2	0.00	747	242	128	23	22	67	3.3	0.31	0.40	1.1	0.10
3	0.00	418	167	623	27	21	53	3.0	0.25	0.38	1.1	0.08
4	0.00	295	125	1020	24	20	44	2.5	0.28	0.20	1.1	0.06
5	0.00	187	105	954	23	18	37	2.2	0.24	0.32	1.1	0.04
6	0.00	129	97	985	25	16	110	2.0	0.19	0.25	0.97	0.02
7	0.00	92	175	511	62	15	81	1.8	0.30	0.15	0.66	0.00
8	340	66	129	426	62	16	73	1.6	0.32	0.12	0.52	0.00
9	220	48	110	266	56	14	62	1.5	0.49	0.09	0.54	0.00
10	113	39	88	193	48	13	52	1.4	0.57	0.08	0.55	0.00
11	273	298	69	150	42	11	96	1.2	0.43	0.07	0.32	0.00
12	148	205	58	119	41	10	168	1.0	0.22	0.11	0.21	0.00
13	73	130	47	150	56	8.3	114	0.88	0.18	0.26	0.18	0.00
14	54	95	36	109	46	7.3	85	0.81	0.30	0.30	0.17	0.00
15	57	73	31	93	37	7.2	64	0.84	0.31	0.32	0.43	0.00
16	38	58	28	82	32	7.3	49	0.88	0.32	1.5	0.25	0.00
17	26	47	25	71	27	7.0	39	0.70	0.37	1.3	0.22	0.00
18	138	46	23	61	24	6.6	31	0.55	0.34	0.54	0.22	0.00
19	133	54	20	56	23	6.8	e19	0.47	0.30	0.54	0.19	0.00
20	72	43	17	50	22	5.9	e20	0.46	0.31	0.54	0.18	0.00
21	47	35	28	44	22	8.3	22	0.50	0.35	42	0.16	0.00
22	35	33	740	37	19	344	15	0.20	0.35	9.5	0.15	0.00
23	36	757	324	29	36	189	12	0.21	0.35	1.9	0.18	0.00
24	32	1020	215	25	43	115	9.2	0.26	0.35	1.5	0.21	0.03
25	24	364	164	24	34	84	7.3	0.34	0.35	1.3	0.18	2.5
26	18	214	132	23	29	126	8.3	0.31	0.35	1.1	0.16	2.8
27	16	184	126	19	28	1010	6.3	0.36	0.42	1.1	0.15	3.6
28	17	135	127	17	31	535	5.0	0.58	0.40	1.9	0.14	2.6
29	16	688	135	23	---	251	4.3	0.54	0.39	2.0	0.13	1.8
30	138	872	123	25	---	161	4.1	0.42	0.38	1.3	0.13	1.5
31	1230	---	106	22	---	110	---	0.30	---	1.1	0.12	---
TOTAL	3294.00	9032	4222	6426	962	3191.7	1442.5	34.91	10.02	72.57	12.82	15.23
MEAN	106	301	136	207	34.4	103	48.1	1.13	0.33	2.34	0.41	0.51
MAX	1230	1660	740	1020	62	1010	168	3.8	0.57	42	1.1	3.6
MIN	0.00	33	17	17	19	5.9	4.1	0.20	0.18	0.07	0.12	0.00
AC-FT	6530	17910	8370	12750	1910	6330	2860	69	20	144	25	30
CFSM	2.30	6.53	2.95	4.50	0.75	2.23	1.04	0.02	0.01	0.05	0.01	0.01
IN.	2.66	7.29	3.41	5.19	0.78	2.58	1.16	0.03	0.01	0.06	0.01	0.01

ARKANSAS RIVER BASIN

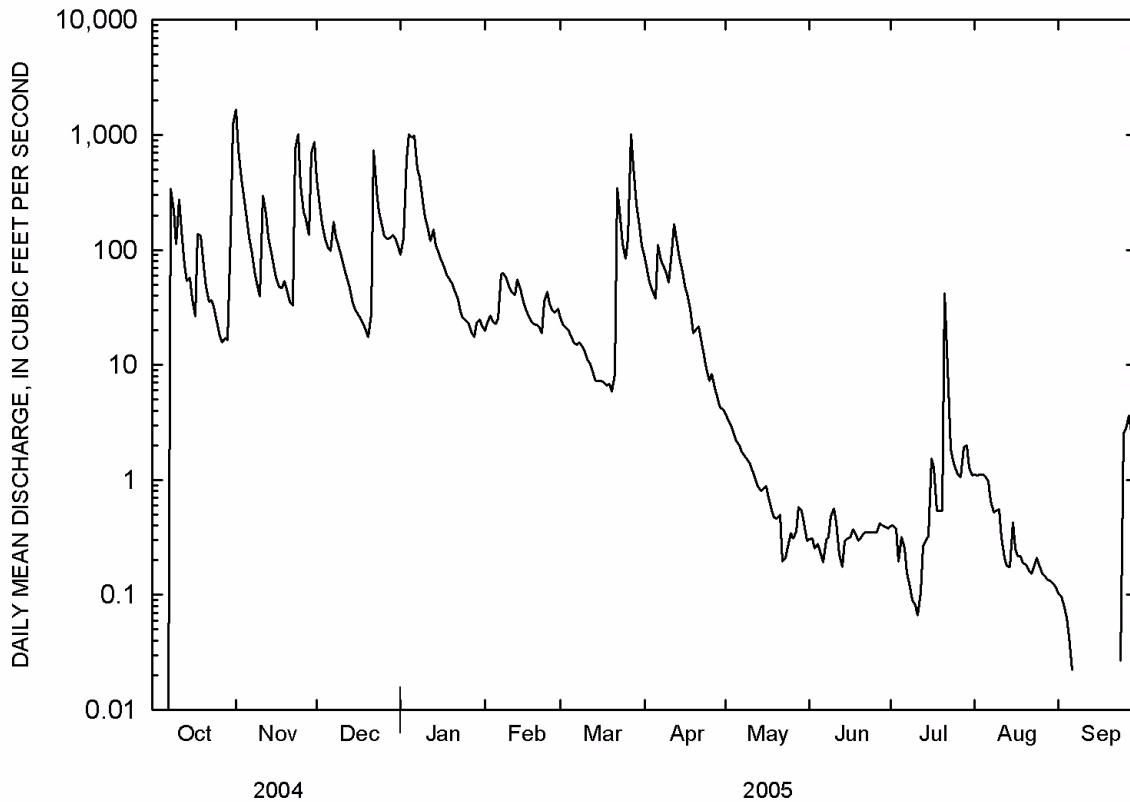
07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

MEAN	21.8	70.6	110	112	115	123	99.4	64.8	25.9	7.05	1.46	1.75
MAX	106	301	222	228	284	256	247	257	152	47.3	12.9	10.7
(WY)	2005	2005	1992	1991	2001	1990	1991	1990	2003	1994	1992	1991
MIN	0.00	1.70	3.53	44.6	13.9	39.4	8.26	1.13	0.33	0.02	0.00	0.00
(WY)	1993	2003	1990	1996	1996	1996	1992	2005	2005	1990	1990	1993

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1990 - 2005	
ANNUAL TOTAL	34261.54		28715.75			
ANNUAL MEAN	93.6		78.7		62.4	
HIGHEST ANNUAL MEAN					91.9 1990	
LOWEST ANNUAL MEAN					23.8 1996	
HIGHEST DAILY MEAN	2170	Apr 22	1660	Nov 1	2620	Dec 3 1993
LOWEST DAILY MEAN	0.00	Sep 30	0.00	Oct 1	0.00	Jul 4 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 30	0.00	Oct 1	0.00	Jul 4 1990
MAXIMUM PEAK FLOW			2980	Nov 1	6450	Dec 3 1993
MAXIMUM PEAK STAGE			8.39	Nov 1	12.19	Dec 3 1993
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	67960		56960		45240	
ANNUAL RUNOFF (CFSM)	2.03		1.71		1.35	
ANNUAL RUNOFF (INCHES)	27.65		23.17		18.40	
10 PERCENT EXCEEDS	215		179		145	
50 PERCENT EXCEEDS	28		16		11	
90 PERCENT EXCEEDS	0.25		0.12		0.00	

Estimated



ARKANSAS RIVER BASIN

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)
NOV 2004	02...	80513	80020	806	50	10	8.4	762	4.7	8.2	88	6.3	21
	29...	80513	80020	1590	40	10	19	763	1.2	10.8	99	6.8	20
DEC	08...	80513	80020	126	25	10	5.6	760	9.8	9.2	82	5.9	20
MAR 2005	15...	80513	80020	7.3	30	70	7.2	768	5.6	9.9	87	6.4	30

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	
NOV 2004	02...	18.8	6	1.01	.867	.78	.2	.89	21	5	1.25	<.1	6.3	2.4
	29...	11.9	5	.89	.779	.71	.2	1.10	27	4	1.25	<.1	6.0	2.4
DEC	08...	10.3	6	.83	.863	.42	.2	1.21	30	4	1.66	<.1	7.3	2.4
MAR 2005	15...	10.3	8	1.29	1.25	.49	.2	1.58	28	8	2.65	<.1	5.3	2.3

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC, mg/L (70300)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	
NOV 2004	02...	17	.05	76.1	35	.31	<.010	.027	E.001	--	<.006	.006	.33	6.1
	29...	16	.04	113	26	.30	<.010	.028	E.001	--	<.006	.026	.33	4.8
DEC	08...	17	.02	5.69	17	.15	E.005	E.013	E.001	--	<.006	.009	--	2.0
MAR 2005	15...	20	.03	.40	20	.18	E.008	E.009	E.001	.018	.006	.058	--	1.4

Date	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC, 0.7u col/100 mL (31625)	Fecal streptococci, KF, col/100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Iron, water, recoverable, fltrd, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, recoverable, fltrd, ug/L (01055)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment charge, tons/d (80155)	Sampler type, code (84164)	
NOV 2004	02...	8.5	310	660	180	300	9.7	17.4	90	16	35	3052
	29...	6.5	520	980	186	430	11.0	39.1	80	31	133	3052
DEC	08...	2.5	E17	24	109	210	7.6	9.9	76	13	4.4	3052
MAR 2005	15...	2.1	E2	E10	634	1480	52.3	70.2	85	4	.08	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

072632962 BRINGLE CREEK AT MARTINDALE

LOCATION.--Lat 34°52'53, long 92°40'52", in SE1/4SW1/4 sec.23, T.3 N., R.16 W., Pulaski County, Hydrologic Unit 11110207, on right bank upstream of bridge on State Highway 10 0.4 mi east of Martindale.

PERIOD OF RECORD.--2000, 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd (00405)	Dissolved oxygen, of saturation (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)
NOV 2004													
01...	1530	80513	80020	492	50	10	13	758	3.9	8.9	97	6.4	23
29...	2100	80513	80020	297	50	10	15	766	1.5	10.6	98	6.7	21
Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)
NOV 2004													
01...	19.1	6	1.11	.901	1.04	.2	.97	21	5	1.29	<.1	6.0	2.5
29...	12.5	5	.81	.762	.70	.2	1.13	29	4	1.34	<.1	6.4	2.6
Date	Residue water, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)
NOV 2004													
01...	17	.06	57.6	43	.40	E.006	.021	E.001	<.006	.029	.42	9.4	11.5
29...	16	.02	13.2	16	.27	<.010	.031	E.001	<.006	.028	.30	5.1	8.1
Date	Fecal coliform, M-FC 0.7u col/100 mL (31625)	Fecal streptococci, KF MF col/100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Iron, water, recover, fltrd, ug/L (01045)	Manganese, water, recover, fltrd, ug/L (01056)	Manganese, water, recover, fltrd, ug/L (01055)	Suspnd. sediment, sieve percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)			
NOV 2004													
01...		930	3200	159	310	8.7	23.6	69	33	44	3054		
29...		1200	1360	158	270	6.5	18.9	86	28	22	3052		

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

267

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 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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)
DEC 2004												
06...	1315	80513	80513	13.0	.70	--	765	10.3	89	5.9	21	9.4
06...	1316	80513	80020	13.0	3.10	1.80	765	10.2	88	5.8	21	9.1
06...	1317	80513	80513	13.0	5.00	--	765	9.8	85	5.8	21	9.0
06...	1318	80513	80513	13.0	10.0	--	765	10.0	86	5.8	22	8.9
06...	1319	80513	80513	13.0	12.8	--	765	9.9	85	5.8	22	8.9
MAR 2005												
17...	0953	80513	80513	11.0	1.20	--	768	9.7	85	6.1	26	9.9
17...	0954	80513	80020	11.0	3.20	1.50	768	9.6	84	6.1	26	9.8
17...	0955	80513	80513	11.0	5.10	--	768	9.5	83	6.1	26	9.6
17...	0956	80513	80513	11.0	10.0	--	768	9.4	82	6.1	26	9.6
17...	0957	80513	80513	11.0	11.0	--	768	9.4	81	6.0	26	9.6
JUN												
22...	1106	80513	80513	8.0	.50	--	769	6.3	81	6.2	28	28.7
22...	1107	80513	80513	8.0	2.00	--	769	6.4	83	6.1	28	28.8
22...	1108	80513	80020	8.0	4.10	.85	769	6.0	76	6.0	28	28.2
22...	1109	80513	80513	8.0	6.00	--	769	4.9	62	5.8	28	27.9
22...	1111	80513	80513	8.0	8.40	--	769	2.0	25	5.5	30	27.0
SEP												
06...	1103	80513	80513	7.0	1.10	--	772	7.2	91	6.4	29	28.0
06...	1104	80513	80020	7.0	3.00	.98	772	6.8	86	6.4	29	28.0
06...	1105	80513	80513	7.0	5.00	--	772	6.7	84	6.3	29	27.8
06...	1106	80513	80513	7.0	6.80	--	772	6.5	81	6.2	29	27.7

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30, corrctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
06...	1316	25	5.2	7	.88	1.07	.52	.2	1.25	27	9	1.61	<.1
MAR 2005													
17...	0954	20	5.9	8	1.13	1.27	.54	.2	1.55	28	6	2.27	E.1
JUN													
22...	1108	25	11	8	1.06	1.25	.71	.2	1.45	27	5	2.12	<.1
SEP													
06...	1104	12	5.5	8	1.12	1.37	.73	.2	1.58	27	6	2.16	<.1

Date	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, sum of constituents, mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate, fltrd, mg/L as N (00631)	Nitrite, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)
DEC 2004													
06...	6.8	2.6	20	.02	16	.18	E.006	.026	E.001	<.006	.010	.20	2.3
MAR 2005													
17...	4.1	3.0	18	.03	21	.15	E.006	.016	E.001	<.006	.017	.17	2.0
JUN													
22...	4.0	3.1	17	.04	26	.32	<.010	<.016	<.002	<.006	.025	--	3.0
SEP													
06...	5.4	3.0	19	.04	33	.26	<.010	<.016	<.002	<.006	.021	--	3.2

Date	Organic carbon, water, unfltrd mg/L (00680)	Pheophytin a, phytoplankton, ug/L (62360)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, unfltrd recoverable, fltrd, ug/L (01045)	Manganese, water, unfltrd recoverable, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, fltrd, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)
DEC 2004											
06...	2.7	.3	--	E18	E19	.3	102	230	14.7	18.6	--
MAR 2005											
17...	3.2	E1.8	--	E2	E2	E2.4	203	340	11.5	25.1	<.01
JUN											
22...	4.3	3.4	E1	<1	--	5.6	69	400	2.0	59.0	<.01
SEP											
06...	4.4	2.7	E4	E6	--	5.1	33	270	1.2	60.6	<.01

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

072632966 LAKE MAUMELLE AT STATE HWY 10 NEAR WYE

LOCATION.--Lat 34°52'30, long 92°39'13", in SE1/4NE1/4 sec.25, T.3 N., R.16 W., Pulaski County, Hydrologic Unit 11110207, on left bank on downstream side of bridge on State Hwy 10, 4.1 mi south of Wye.

DRAINAGE AREA.--89.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage and water-velocity recorder.

REMARKS.--Water-discharge records fair except estimated daily discharges and discharges below 150 ft³/s, which are poor. Satellite telemeter at station. Discharge is published as "<" or "less than" for days when water velocities cannot be accurately determined because of low discharges in Maumelle River upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	<10	2530	686	210	99	61	265	<20	<10	<10	<10	<10
2	<10	1260	431	251	94	94	162	<20	<10	<10	<10	<10
3	<10	699	307	1150	84	80	102	<20	<10	<10	<10	<10
4	<10	523	285	1810	83	70	73	<20	<10	<10	<10	<10
5	<10	339	268	1550	69	71	49	<20	<10	<10	<10	<10
6	<10	260	253	1730	80	52	294	<10	<10	<10	<10	<10
7	<10	201	485	943	202	113	197	<10	<10	<10	<10	<10
8	412	117	274	756	169	70	213	<10	<10	<10	<10	<10
9	393	97	255	455	171	82	193	<10	<10	<10	<10	<10
10	118	68	225	333	139	60	93	<10	<10	<10	<10	<10
11	470	530	169	327	124	99	465	<10	<10	<10	<10	<10
12	263	430	147	263	125	84	410	<10	<10	<10	<10	<10
13	108	287	115	508	154	88	247	<10	<10	<10	<10	<10
14	95	186	111	306	134	52	210	<10	<10	<10	<10	<10
15	58	150	80	242	114	116	165	<10	<10	<10	<10	<10
16	<50	117	71	188	106	103	<100	<10	<10	<10	<10	<10
17	<50	69	75	197	110	33	<100	<10	<10	<10	<10	<10
18	211	129	82	185	70	44	<100	<10	<10	<10	<10	<10
19	244	118	71	121	116	83	<100	<10	<10	<10	<10	<10
20	97	125	73	126	116	73	<100	<10	<10	<10	<10	<10
21	95	74	92	153	102	123	<100	<10	<10	160	<10	<10
22	35	106	1270	109	62	763	70	<10	<10	<50	<10	<10
23	136	1240	559	108	180	371	70	<10	<10	<10	<10	<10
24	31	1680	362	72	137	275	<50	<10	<10	<10	<10	<10
25	9.4	600	289	82	108	198	<50	<10	<10	<10	<10	73
26	84	386	231	79	94	331	<50	<10	<10	<10	<10	<10
27	16	363	273	126	81	1820	<50	<10	<10	<10	<10	<10
28	28	304	253	156	93	906	<20	<10	<10	<10	<10	<10
29	82	1090	242	70	---	435	<20	<10	<10	<10	<10	<10
30	357	1430	215	106	---	342	<20	<10	<10	<10	<10	<10
31	2190	---	240	104	---	252	---	<10	---	<10	<10	---
TOTAL	5702.4	15508	8489	12816	3216	7344	4138	360	300	500	310	363
MEAN	184	517	274	413	115	237	138	11.6	10.0	16.1	10.0	12.1
MAX	2190	2530	1270	1810	202	1820	465	20	10	160	10	73
MIN	9.4	68	71	70	62	33	20	10	10	10	10	10
MED	82	295	242	197	109	94	100	10	10	10	10	10
AC-FT	11310	30760	16840	25420	6380	14570	8210	714	595	992	615	720

ARKANSAS RIVER BASIN

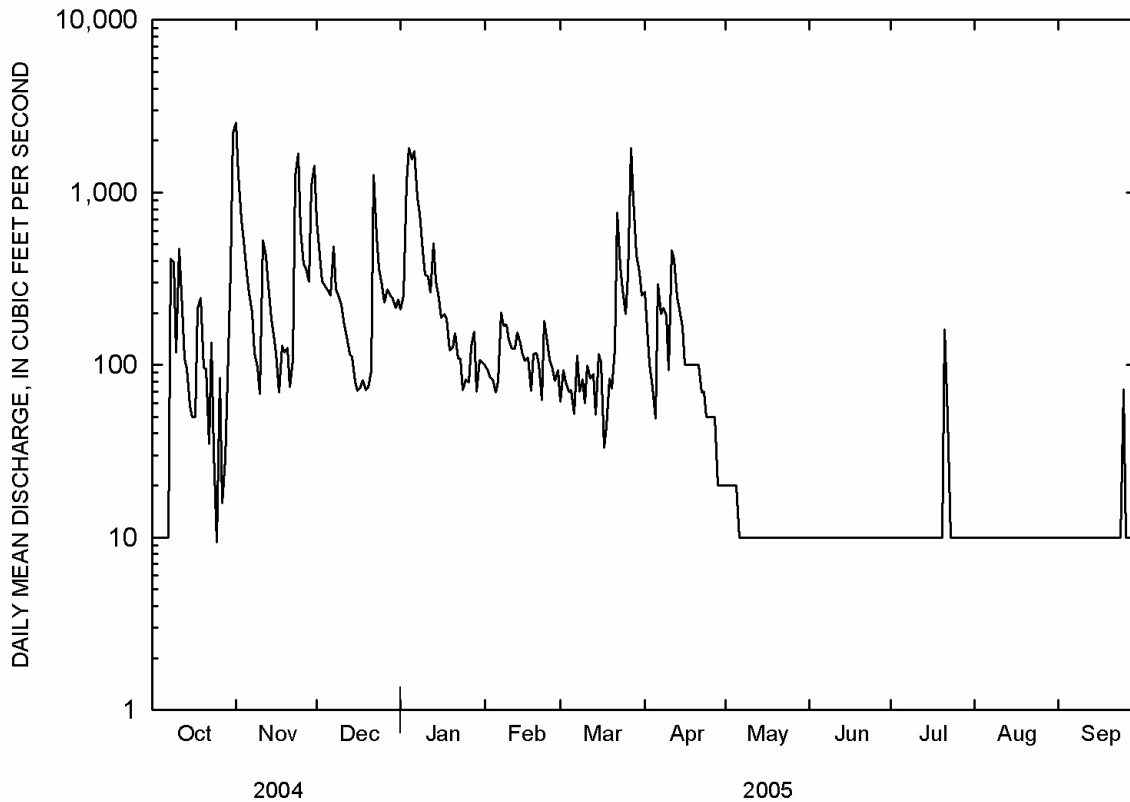
072632966 LAKE MAUMELLE AT STATE HWY 10 NEAR WYE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	93.0	274	251	243	266	210	181	176	97.1	1.46	16.3	-10.1
MAX	184	517	345	413	364	237	354	302	184	16.1	22.6	12.1
(WY)	2005	2005	2003	2005	2003	2005	2004	2003	2003	2005	2003	2005
MIN	1.99	30.8	135	153	115	180	50.1	11.6	10.0	-13.2	10.0	-32.3
(WY)	2003	2003	2004	2003	2005	2003	2003	2005	2005	2003	2005	2003

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	59046.4			
ANNUAL MEAN	162		147	
HIGHEST ANNUAL MEAN			162	2005
LOWEST ANNUAL MEAN			131	2003
HIGHEST DAILY MEAN	2530	Nov 1	3930	Apr 22 2004
LOWEST DAILY MEAN	9.4	Oct 25	-132	Jul 9 2003
ANNUAL SEVEN-DAY MINIMUM	10	Oct 1	-71	Sep 4 2003
MAXIMUM PEAK FLOW	5770	Oct 31	8010	Apr 22 2004
MAXIMUM PEAK STAGE	17.82	Jan 6	17.87	Apr 23 2004
ANNUAL RUNOFF (AC-FT)	117100		106200	
10 PERCENT EXCEEDS	366		371	
50 PERCENT EXCEEDS	69		61	
90 PERCENT EXCEEDS	10		-9.0	

< Actual value is known to be less than the value shown



ARKANSAS RIVER BASIN

072632966 LAKE MAUMELLE AT STATE HWY 10 NEAR WYE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1991 to October 1992, February 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 corrtcd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd, mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	
NOV 2004	01... 29...	80513 80513	80020 80020	4910 3180	80 50	10 10	36 24	760 766	4.1 1.2	8.2 10.4	89 94	6.5 6.9	25 24	
Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	
NOV 2004	01... 29...	19.5 11.1	8 7	1.31 1.08	1.11 1.09	1.12 .92	.2 .2	1.05 1.25	20 25	6 5	<.20 1.60	<.1 <.1	5.2 5.5	<.2 2.6
Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L (00665)	
NOV 2004	01... 29...	-- 18	-- .04	-- 224	<410 26	.59 .31	E.005 <.010	.168 --	.04 --	.040 .041	.007 --	.002 E.001	<.006 E.003	.058 .037
Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd, mg/L (00680)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)	Fecal streptococci, KF, MF, col/100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Suspnd. sediment, sieve percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)	
NOV 2004	01... 29...	.63 .35	9.1 4.7	13.1 7.3	1700 1800	6300 3300	220 217	950 500	25.3 15.6	69.0 37.7	87 88	62 35	822 301	3052 3052

Remark codes used in this table:

< -- Less than.
E -- Estimated.

ARKANSAS RIVER BASIN

271

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 2004												
06...	1251	80513	80513	20.0	.50	--	765	9.7	90	6.2	24	12.0
06...	1252	80513	80020	20.0	3.00	1.80	765	9.7	88	6.1	23	11.5
06...	1253	80513	80513	20.0	5.00	--	765	9.5	86	6.0	24	11.3
06...	1254	80513	80513	20.0	10.1	--	765	9.3	84	6.0	23	10.9
06...	1255	80513	80513	20.0	15.0	--	765	9.8	86	5.9	22	9.6
06...	1256	80513	80513	20.0	20.0	--	765	10.0	86	5.8	22	9.2
MAR 2005												
17...	0929	80513	80513	24.0	.80	--	768	10.0	88	6.0	25	10.1
17...	0930	80513	80020	24.0	3.10	2.10	768	9.8	86	6.1	25	9.9
17...	0931	80513	80513	24.0	5.20	--	768	9.7	85	6.1	25	9.8
17...	0932	80513	80513	24.0	10.0	--	768	9.5	83	6.1	25	9.8
17...	0933	80513	80513	24.0	15.0	--	768	9.4	82	6.1	25	9.7
17...	0934	80513	80513	24.0	20.2	--	768	9.5	83	6.1	25	9.7
17...	0935	80513	80513	24.0	24.0	--	768	9.5	83	6.1	26	9.7
JUN												
22...	1027	80513	80513	15.0	.50	--	769	6.7	86	6.1	28	28.8
22...	1028	80513	80020	15.0	3.00	1.10	769	6.4	82	6.0	27	28.3
22...	1029	80513	80513	15.0	5.00	--	769	6.7	84	6.1	28	28.1
22...	1030	80513	80513	15.0	10.0	--	769	4.2	52	5.6	28	27.5
22...	1031	80513	80020	15.0	12.1	--	769	2.5	31	5.5	30	27.0
22...	1032	80513	80513	15.0	15.1	--	769	.9	11	5.6	33	25.9
22...	1034	80513	80513	15.0	15.0	--	769	.8	10	5.6	33	25.9
SEP												
06...	1033	80513	80513	12.0	1.50	--	772	7.0	89	6.6	29	28.6
06...	1034	80513	80020	12.0	3.00	1.30	772	7.0	89	6.6	29	28.6
06...	1035	80513	80513	12.0	5.10	--	772	6.8	87	6.6	29	28.4
06...	1036	80513	80513	12.0	10.0	--	772	7.3	92	6.6	29	28.4
06...	1037	80513	80513	12.0	11.7	--	772	6.7	84	6.5	29	28.0

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
06...	1252	25	4.5	7	.78	1.20	.71	.2	1.35	27	7	1.89	<.1
MAR 2005													
17...	0930	20	3.6	8	1.02	1.24	.66	.2	1.50	28	6	2.06	<.1
JUN													
22...	1028	15	4.7	8	1.03	1.27	.73	.2	1.44	26	6	2.10	<.1
22...	1031	25	9.8	8	1.15	1.30	.71	.2	1.44	26	6	2.04	<.1
SEP													
06...	1034	12	2.8	8	1.10	1.32	.69	.2	1.53	27	7	2.18	<.1

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)
DEC 2004													
06...	6.0	2.9	19	.02	16	.26	E.007	.041	E.001	<.006	.013	.30	3.4
MAR 2005													
17...	5.1	3.1	19	.03	19	.18	E.005	.054	E.001	<.006	.011	.23	2.7
JUN													
22...	4.1	3.2	18	.03	21	.24	<.010	<.016	<.002	<.006	.015	--	2.9
22...	4.2	3.0	18	.03	23	.32	E.005	<.016	<.002	<.006	.029	--	3.1
SEP													
06...	5.6	3.1	20	.04	28	.23	<.010	<.016	<.002	<.006	.016	--	3.3

Date	Organic carbon, water, unfltrd mg/L (00680)	Pheophytin a, phytoplankton, ug/L (62360)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)
DEC 2004											
06...	4.5	1.9	--	E14	E11	3.0	62	140	2.3	16.5	--
MAR 2005											
17...	3.8	E1.6	--	<1	<1	E2.0	95	170	3.7	16.7	<.01
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
22...	4.2	1.3	E1	E3	--	2.5	36	220	4.2	54.8	<.01
22...	4.4	--	--	--	--	--	133	730	75.7	164	--
SEP											
06...	4.1	3.0	<1	<1	--	5.9	31	170	2.1	63.1	<.01

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

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, on downstream right bank of State Highway 113 bridge, 2.5 mi northeast of Martindale.

PERIOD OF RECORD.--2000, 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, unfltrd mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, unfltrd uS/cm 25 degC (00095)	
NOV 2004	01... 29...	1420 1915	80513 80513	80020 80020	121 74	80 80	10 10	16 28	758 766	2.7 1.4	8.3 10.2	91 94	6.5 6.8	29 26
Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, water unfltrd end pt, field, mg/L as CaCO3 (00410)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	
NOV 2004	01... 29...	19.6 12.2	8 6	1.29 .94	1.17 .890	1.64 1.12	.2 .2	1.34 1.22	22 26	4 5	<.1 <.1	6.3 5.9	38 24	.53 .37
Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)	Fecal streptococci, KF, MF, col/100 mL (31673)	
NOV 2004	01... 29...	E.008 E.005	2.11 1.01	.48 .23	.478 .230	.007 .007	.002 .002	E.003 E.005	.041 .040	1.0 .60	9.1 6.0	12.4 9.4	E200 E2100	8500 1840
Date	Iron, water, unfltrd, recoverable, ug/L (01046)	Iron, water, unfltrd, recoverable, ug/L (01045)	Iron, water, unfltrd, recoverable, ug/L (01045)	Manganese, water, unfltrd, recoverable, ug/L (01056)	Manganese, water, unfltrd, recoverable, ug/L (01055)	Suspended sediment, sieve diameter <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)					
NOV 2004	01... 29...		194 215	390 410	17.1 13.1	36.9 33.3	84 87	32 39	10 7.8	3052 3052				

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

273

072632982 REECE CREEK AT LITTLE ITALY

LOCATION.--Lat 34°55'47, long 92°35'36", in NW1/4SW1/4 sec.3, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, on upstream left side of low-water crossing, 0.6 mi southwest of Little Italy.

PERIOD OF RECORD.--2000, 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide, water, unfltrd, mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	
NOV 2004	01... 29...	1315 80513	80020 80020	178 E296	50 50	40 40	20 68	758 758	4.2 4.6	8.3 10.4	90 96	6.4 6.4	27 27	
Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	
NOV 2004	01... 29...	19.2 11.6	7 6	1.21 1.20	.929 .840	1.28 1.37	.3 .3	1.58 1.47	29 28	6 6	2.16 2.12	<.1 <.1	7.7 6.4	2.4 2.3
Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	
NOV 2004	01... 29...	21 20	.04 .04	13.9 --	29 30	.55 .63	<.010 <.010	.243 .336	.06 .08	.057 .078	.007 .007	.002 .002	-- .021	<.006 .007
Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci, KF MF col/100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Suspended sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	
NOV 2004	01... 29...	.054 .090	.61 .71	5.6 4.8	9.9 9.9	E170 1900	2100 4400	156 212	840 1340	11.2 21.5	103 185	78 81	78 109	37 --

Date Sampler type, code (84164)
 NOV 2004 01... 29... 8010 3044

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

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 2004 TO SEPTEMBER 2005													
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	
DEC 2004													
06...	1207	80513	80513	44.0	.80	--	765	9.4	88	6.3	25	12.6	
06...	1208	80513	80020	44.0	3.10	2.10	765	9.4	87	6.2	25	12.4	
06...	1209	80513	80513	44.0	5.00	--	765	9.3	86	6.2	25	12.3	
06...	1210	80513	80513	44.0	13.7	--	765	9.1	84	6.2	25	12.2	
06...	1211	80513	80513	44.0	15.0	--	765	9.0	84	6.2	25	12.2	
06...	1212	80513	80513	44.0	20.1	--	765	8.8	82	6.1	25	12.1	
06...	1213	80513	80513	44.0	25.0	--	765	8.8	81	6.1	25	12.0	
06...	1214	80513	80513	44.0	30.1	--	765	8.8	81	6.0	25	11.9	
06...	1215	80513	80513	44.0	35.1	--	765	8.7	80	6.0	25	11.8	
06...	1216	80513	80513	44.0	40.1	--	765	8.7	79	6.0	25	11.7	
06...	1217	80513	80513	44.0	44.4	--	765	8.5	78	5.9	24	11.7	
MAR 2005													
17...	0844	80513	80513	42.0	.60	--	768	9.9	87	6.1	25	10.3	
17...	0845	80513	80020	42.0	3.00	2.70	768	9.7	85	6.1	25	10.3	
17...	0846	80513	80513	42.0	5.50	--	768	9.7	85	6.1	25	10.3	
17...	0847	80513	80513	42.0	10.1	--	768	9.7	85	6.1	25	10.3	
17...	0848	80513	80513	42.0	15.1	--	768	9.5	84	6.1	25	10.2	
17...	0849	80513	80513	42.0	20.0	--	768	9.4	83	6.1	25	10.2	
17...	0850	80513	80513	42.0	25.2	--	768	9.5	84	6.1	25	10.2	
17...	0851	80513	80513	42.0	30.0	--	768	9.3	82	6.1	25	10.2	
17...	0852	80513	80513	42.0	35.4	--	768	9.4	83	6.1	25	10.2	
17...	0853	80513	80513	42.0	40.3	--	768	9.4	83	6.1	25	10.2	
17...	0854	80513	80513	42.0	42.2	--	768	9.4	83	6.1	25	10.2	
JUN													
22...	0922	80513	80513	43.0	.60	--	769	7.0	89	6.7	27	28.2	
22...	0924	80513	80020	43.0	3.00	3.70	769	7.2	91	6.7	28	28.1	
22...	0925	80513	80513	43.0	5.00	--	769	7.1	90	6.7	28	28.1	
22...	0926	80513	80513	43.0	10.0	--	769	7.2	91	6.7	28	28.0	
22...	0927	80513	80513	43.0	15.0	--	769	7.0	88	6.7	28	27.9	
22...	0928	80513	80513	43.0	17.0	--	769	6.7	83	6.1	28	26.2	
22...	0929	80513	80513	43.0	19.0	--	769	5.9	70	5.8	29	24.0	
22...	0930	80513	80513	43.0	20.0	--	769	5.1	57	5.6	29	22.0	
22...	0931	80513	80513	43.0	21.0	--	769	4.1	45	5.6	30	20.6	
22...	0932	80513	80020	43.0	25.0	--	769	1.4	16	5.6	36	19.5	
22...	0933	80513	80513	43.0	30.0	--	769	.9	9	5.6	37	18.6	
22...	0934	80513	80513	43.0	35.0	--	769	.9	9	5.6	36	18.5	
22...	0935	80513	80020	43.0	40.0	--	769	.8	8	5.6	37	18.4	
22...	0936	80513	80513	43.0	42.9	--	769	.7	7	5.6	38	18.4	
SEP													
06...	0937	80513	80513	27.0	1.20	--	772	6.8	87	6.4	29	28.5	
06...	0938	80513	80020	27.0	3.00	2.00	772	6.8	87	6.4	29	28.5	
06...	0939	80513	80513	27.0	5.00	--	772	6.8	86	6.4	29	28.5	
06...	0940	80513	80513	27.0	10.0	--	772	6.8	86	6.4	29	28.5	
06...	0941	80513	80513	27.0	15.0	--	772	6.8	86	6.4	29	28.4	
06...	0942	80513	80513	27.0	20.1	--	772	6.9	88	6.4	29	28.4	
06...	0944	80513	80020	27.0	24.0	--	772	5.3	67	6.2	30	28.1	
06...	0946	80513	80513	27.0	27.0	--	772	5.0	63	6.1	32	28.0	
Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
06...	1208	15	2.4	7	.74	1.31	.69	.2	1.50	29	5	2.11	<.1
MAR 2005													
17...	0845	18	3.0	7	1.02	1.17	.65	.2	1.44	28	6	2.05	<.1
JUN													
22...	0924	5	<2.0	8	1.01	1.24	.72	.2	1.43	27	5	2.10	<.1
22...	0932	8	2.6	10	1.44	1.49	.79	.2	1.43	22	11	2.10	<.1
22...	0935	15	3.2	10	1.49	1.54	.68	.2	1.49	23	9	2.08	<.1
SEP													
06...	0938	25	2.1	8	1.15	1.36	.65	.2	1.54	27	7	2.16	<.1
06...	0944	12	<2.0	8	1.11	1.30	.73	.2	1.50	26	7	2.16	<.1

ARKANSAS RIVER BASIN

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07263299 LAKE MAUMELLE NEAR LITTLE ITALY--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro- gen, water, unfltrd mg/L (00605)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
DEC 2004 06...	6.1	3.0	19	.02	15	.28	.03	.020	.043	E.001	.26	<.006	.012
MAR 2005 17...	5.2	3.1	19	.03	20	.18	--	E.007	.056	E.001	--	<.006	.011
JUN 22...	4.0	3.2	17	.03	22	.26	--	<.010	<.016	<.002	--	<.006	.004
22...	6.0	3.1	25	.04	33	.30	.12	.097	.024	<.002	.21	<.006	.010
22...	6.4	3.1	24	.03	25	.37	.16	.122	.027	E.001	.25	<.006	.014
SEP 06...	5.6	3.0	20	.04	30	.23	--	<.010	<.016	<.002	--	<.006	.012
06...	5.6	3.0	20	.05	33	.21	--	<.010	<.016	<.002	--	<.006	.009

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF col/ 100 mL (31673)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover able, ug/L (01045)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover able, ug/L (01055)	Mercury water, unfltrd recover able, ug/L (71900)
DEC 2004 06...	.32	3.7	4.0	3.2	--	E6	E2	4.6	37	120	1.5	31.9	--
MAR 2005 17...	.23	2.7	3.7	E1.4	--	<1	<1	E1.7	72	140	2.6	17.4	<.01
JUN 22...	--	2.8	3.6	.3	<1	<1	--	1.1	8	20	.7	16.8	<.01
22...	.33	3.0	3.4	--	--	--	--	--	228	30	955	810	--
22...	.40	3.0	4.2	--	--	--	--	--	26	250	1120	1280	--
SEP 06...	--	2.8	3.7	3.1	<1	<1	--	6.2	24	140	1.4	122	<.01
06...	--	2.7	3.7	--	--	--	--	--	21	130	2.9	115	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

072632995 LAKE MAUMELLE AT 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 2004 TO SEPTEMBER 2005												
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 2004												
06...	1125	80513	80513	45.0	.60	--	765	9.6	90	6.5	26	13.1
06...	1126	80513	80020	45.0	3.10	2.00	765	9.6	90	6.5	26	12.9
06...	1127	80513	80513	45.0	5.00	--	765	9.5	89	6.5	26	12.9
06...	1129	80513	80513	45.0	10.0	--	765	6.4	61	6.4	26	12.8
06...	1130	80513	80513	45.0	15.0	--	765	9.3	88	6.4	26	12.8
06...	1131	80513	80513	45.0	20.0	--	765	9.3	87	6.4	26	12.8
06...	1132	80513	80513	45.0	25.0	--	765	9.2	87	6.4	26	12.8
06...	1133	80513	80513	45.0	29.9	--	765	--	--	6.3	26	12.7
06...	1134	80513	80513	45.0	35.1	--	765	9.0	84	6.2	26	12.7
06...	1135	80513	80513	45.0	40.1	--	765	8.9	83	6.2	26	12.7
06...	1136	80513	80513	45.0	44.7	--	765	8.6	81	6.2	26	12.7
MAR 2005												
17...	0752	80513	80513	43.0	1.10	--	768	9.8	87	6.0	25	10.4
17...	0753	80513	80020	43.0	3.00	2.70	768	9.9	88	6.0	25	10.4
17...	0800	80513	80513	43.0	10.1	--	768	9.6	85	6.0	25	10.4
17...	0801	80513	80513	43.0	15.0	--	768	9.6	85	6.0	25	10.4
17...	0802	80513	80513	43.0	19.9	--	768	9.6	85	6.0	25	10.4
17...	0803	80513	80513	43.0	26.2	--	768	9.6	85	6.0	25	10.4
17...	0804	80513	80513	43.0	30.3	--	768	9.6	85	6.0	25	10.4
17...	0805	80513	80513	43.0	35.2	--	768	9.6	85	6.0	25	10.4
17...	0806	80513	80513	43.0	40.4	--	768	9.5	84	6.0	25	10.4
17...	0807	80513	80513	43.0	42.8	--	768	9.4	84	6.1	25	10.4
JUN												
22...	0759	80513	80513	43.0	.60	--	769	7.0	89	6.7	27	28.2
22...	0800	80513	80020	43.0	2.90	4.40	769	7.0	89	6.7	26	28.2
22...	0801	80513	80513	43.0	5.00	--	769	7.0	89	6.8	27	28.2
22...	0802	80513	80513	43.0	10.1	--	769	7.3	92	7.0	27	27.5
22...	0803	80513	80513	43.0	15.0	--	769	7.1	89	6.7	27	27.1
22...	0805	80513	80513	43.0	18.1	--	769	6.7	82	6.1	28	26.0
22...	0806	80513	80513	43.0	19.0	--	769	6.3	75	5.9	28	24.6
22...	0807	80513	80513	43.0	20.0	--	769	5.8	68	5.8	28	23.4
22...	0808	80513	80513	43.0	21.1	--	769	3.8	42	5.6	31	21.0
22...	0809	80513	80513	43.0	22.0	--	769	2.6	29	5.5	32	19.6
22...	0810	80513	80020	43.0	23.0	--	769	1.9	20	5.6	34	19.2
22...	0811	80513	80513	43.0	25.0	--	769	1.4	15	5.6	35	18.9
22...	0812	80513	80513	43.0	30.0	--	769	.8	9	5.6	38	18.4
22...	0813	80513	80513	43.0	35.0	--	769	.6	6	5.7	39	18.3
22...	0815	80513	80020	43.0	40.0	--	769	.5	5	5.7	39	18.2
22...	0816	80513	80513	43.0	43.0	--	769	.2	2	5.7	41	17.9
SEP												
06...	0807	80513	80513	44.0	1.20	--	772	6.5	82	6.4	29	27.9
06...	0808	80513	80020	44.0	3.00	1.50	772	6.5	82	6.4	29	27.9
06...	0809	80513	80513	44.0	5.00	--	772	6.5	81	6.3	29	28.0
06...	0810	80513	80513	44.0	10.0	--	772	6.3	79	6.3	29	27.9
06...	0812	80513	80513	44.0	15.0	--	772	6.2	78	6.3	29	27.9
06...	0815	80513	80020	44.0	20.0	--	772	.7	9	5.7	30	26.9
06...	0816	80513	80513	44.0	21.9	--	772	.2	2	5.7	35	26.1
06...	0817	80513	80513	44.0	23.1	--	772	.2	2	6.0	48	24.7
06...	0818	80513	80513	44.0	24.1	--	772	.2	2	6.1	58	23.6
06...	0819	80513	80513	44.0	25.0	--	772	.1	2	6.2	66	22.6
06...	0820	80513	80513	44.0	28.0	--	772	.1	1	6.4	78	20.9
06...	0821	80513	80513	44.0	30.0	--	772	.1	1	6.4	80	20.6
06...	0822	80513	80513	44.0	34.9	--	772	.1	1	6.5	80	20.2
06...	0824	80513	80020	44.0	40.0	--	772	.1	1	6.5	81	19.8
06...	0825	80513	80513	44.0	43.6	--	772	.1	1	6.5	82	19.7

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30, correctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
06...	1126	12	2.3	8	.83	1.34	.71	.2	1.54	28	7	2.20	<.1
MAR 2005													
17...	0753	15	2.3	8	1.00	1.27	.71	.2	1.51	28	4	1.96	<.1
JUN													
22...	0800	5	<2.0	8	.99	1.23	.70	.2	1.41	27	4	2.09	<.1
22...	0810	10	<2.0	10	1.48	1.49	.74	.2	1.52	23	9	2.12	<.1
22...	0815	20	8.7	10	1.53	1.51	.66	.2	1.52	23	12	2.08	E.1
SEP													
06...	0808	20	<2.0	8	1.12	1.33	.71	.2	1.51	26	12	2.16	<.1
06...	0815	15	3.1	9	1.20	1.46	.72	.2	1.49	25	9	2.16	<.1
06...	0824	150	5.1	14	2.53	1.91	.92	.2	1.56	18	32	2.16	<.1

ARKANSAS RIVER BASIN

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072632995 LAKE MAUMELLE AT NATURAL STEPS--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)
DEC 2004 06...	5.6	3.1	20	.03	26	.28	--	E.009	.190	.04	.045	.007	.002
MAR 2005 17...	5.0	2.9	17	.02	17	.17	--	E.005	--	--	.052	--	E.001
JUN 22...	4.0	3.2	16	.02	17	.22	--	<.010	--	--	<.016	--	<.002
22...	6.1	3.1	23	.04	32	.27	.10	.077	.084	.02	.024	.016	.005
22...	7.2	3.0	27	.05	34	.36	.17	.130	.133	.03	.055	.082	.025
SEP 06...	5.5	2.9	23	.04	28	.23	--	<.010	--	--	<.016	--	<.002
06...	6.5	2.6	22	.05	36	.29	--	<.010	--	--	<.016	--	<.002
06...	10.8	E.1	--	--	63	.57	.32	.246	--	--	<.016	.007	.002

Date	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheo-phytin a, phyto-plank- ton, ug/L (62360)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep-tococci MF, col/ 100 mL (31673)	Chloro-phyll a phyto-plank- ton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)
DEC 2004 06...	--	--	<.006	.013	.32	2.8	3.9	3.9	--	E5	E3	5.5	21
MAR 2005 17...	--	--	<.006	.009	.23	2.8	3.7	E1.6	--	E4	E1	E2.1	72
JUN 22...	--	--	<.006	.005	--	3.1	3.6	.3	<1	<1	--	1.1	E5
22...	.19	--	<.006	.009	.29	2.9	3.6	--	--	--	--	--	13
22...	.23	--	<.006	.014	.42	3.0	3.9	--	--	--	--	--	23
SEP 06...	--	--	<.006	.015	--	2.6	3.8	2.4	<1	E1	--	4.8	9
06...	--	--	<.006	.032	--	3.1	3.9	--	--	--	--	--	32
06...	.32	.101	.033	.081	--	4.4	6.4	--	--	--	--	--	7720

Date	Iron, water, unfltrd recover-able, ug/L (01045)	Mangan-ese, water, fltrd, ug/L (01056)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)
DEC 2004 06...	120	E.5	45.7	<.01
MAR 2005 17...	120	2.7	18.1	E.01
JUN 22...	20	.7	15.1	<.01
22...	70	643	718	--
22...	320	1460	1660	--
SEP 06...	80	2.1	96.0	<.01
06...	220	117	487	--
06...	7930	4900	4980	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

ARKANSAS RIVER BASIN

07263300 MAUMELLE RIVER AT MAUMELLE DAM AT NATURAL STEPS

LOCATION.--Lat 34°51'47", long 92°29'07", 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.--September 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	1090	322	100	114	562	22	0.00	0.00	0.00	0.00
2	0.00	17	961	329	108	97	472	16	0.00	0.00	0.00	0.00
3	0.00	100	819	444	105	93	407	9.3	0.00	0.00	0.00	0.00
4	e0.00	199	676	1020	99	92	354	3.8	0.00	0.00	0.00	0.00
5	0.00	208	585	1250	95	85	305	0.82	0.00	0.00	0.00	0.00
6	0.00	218	538	1820	90	81	356	0.00	0.00	0.00	0.00	0.00
7	0.00	212	573	1660	114	e76	369	0.00	0.00	e0.00	0.00	0.00
8	0.00	194	537	1540	132	73	346	0.00	0.00	e0.00	0.00	0.00
9	0.00	171	497	1290	146	64	306	0.00	0.00	e0.00	0.00	0.00
10	0.00	145	478	1070	134	63	280	0.00	0.00	e0.00	0.00	0.00
11	0.00	233	395	945	130	69	311	0.00	0.00	e0.00	0.00	0.00
12	e0.00	275	345	740	124	45	454	e0.00	0.00	e0.00	0.00	0.00
13	0.00	265	318	717	144	29	442	0.00	0.00	e0.00	0.00	e0.00
14	0.00	248	270	609	147	23	401	0.00	0.00	e0.00	0.00	0.00
15	0.00	228	230	529	142	17	366	0.00	0.00	e0.00	0.00	0.00
16	0.00	211	202	467	138	14	324	0.00	0.00	e0.00	0.00	0.00
17	0.00	193	e185	405	127	12	284	0.00	0.00	e0.00	0.00	0.00
18	0.00	194	167	363	118	7.0	258	0.00	0.00	e0.00	0.00	0.00
19	0.00	193	140	330	107	6.8	219	0.00	0.00	e0.00	0.00	0.00
20	0.00	176	110	295	106	4.4	195	0.00	0.00	e0.00	0.00	0.00
21	0.00	160	106	267	106	4.1	178	0.00	0.00	e0.00	0.00	e0.00
22	0.00	153	322	263	93	122	179	0.00	0.00	e0.00	0.00	0.00
23	0.00	235	470	212	108	234	128	0.00	0.00	0.00	0.00	0.00
24	0.00	821	464	184	e121	222	90	0.00	0.00	0.00	0.00	0.00
25	0.00	928	448	162	130	236	69	0.00	0.00	0.00	0.00	0.00
26	0.00	836	425	148	124	237	76	0.00	0.00	0.00	0.00	0.00
27	0.00	767	399	129	122	588	56	0.00	0.00	e0.00	0.00	0.00
28	0.00	629	380	118	138	948	39	0.00	0.00	0.00	0.00	0.00
29	0.00	601	364	127	---	886	34	0.00	0.00	0.00	0.00	e0.00
30	0.00	1080	353	113	---	783	34	0.00	0.00	0.00	0.00	e0.00
31	0.00	---	335	107	---	640	---	0.00	---	0.00	0.00	---
TOTAL	0.00	9890.00	13182	17975	3348	5965.3	7894	51.92	0.00	0.00	0.00	0.00
MEAN	0.00	330	425	580	120	192	263	1.67	0.00	0.00	0.00	0.00
MAX	0.00	1080	1090	1820	147	948	562	22	0.00	0.00	0.00	0.00
MIN	0.00	0.00	106	107	90	4.1	34	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	19620	26150	35650	6640	11830	15660	103	0.00	0.00	0.00	0.00

ARKANSAS RIVER BASIN

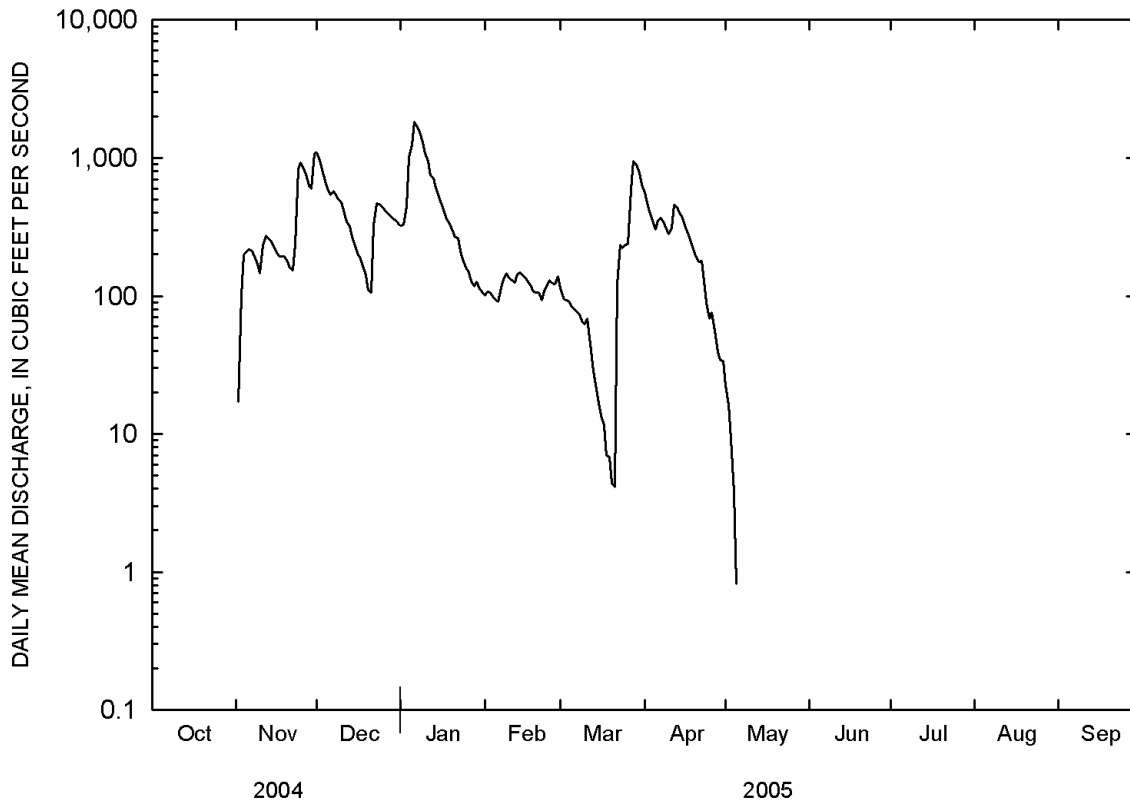
07263300 MAUMELLE RIVER AT MAUMELLE DAM AT NATURAL STEPS--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	0.00	67.8	197	191	284	360	258	183	46.4	9.57	3.42	0.00
MAX	0.00	435	840	836	881	947	642	546	198	86.3	53.1	0.00
(WY)	1990	1997	1992	1991	2001	1997	1991	1990	1992	1994	1992	1989
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	1990	1990	1990	1990	1996	1996	1996	1992	1998	1990	1990	1989

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	58288.60		58306.22			
ANNUAL MEAN	159		160		133	
HIGHEST ANNUAL MEAN					274 1997	
LOWEST ANNUAL MEAN					7.84 2000	
HIGHEST DAILY MEAN	1810	Apr 23	1820	Jan 6	3770	Feb 17 2001
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Aug 17 1989
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Aug 17 1989
MAXIMUM PEAK FLOW			1910	Jan 6	4210	Feb 16 2001
MAXIMUM PEAK STAGE			91.75	Jan 6	92.83	Feb 16 2001
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	115600		115700		96150	
10 PERCENT EXCEEDS	460		471		422	
50 PERCENT EXCEEDS	17		4.1		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

Estimated



ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Water-discharge records fair except estimated daily discharges and discharges less than 15,000 ft³/s, which are poor. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1610	55300	153000	17800	58100	58900	69800	13000	16900	80600	22700	54500
2	e676	95900	136000	4630	59600	58400	57300	6900	21800	64800	21200	51900
3	e920	113000	115000	28500	62100	54500	55700	18500	11000	49600	20600	54500
4	5000	73900	94600	110000	61900	58800	61000	5840	22400	47200	22000	50700
5	7410	73300	85300	174000	64800	56600	43500	14500	38100	35300	18000	37800
6	5820	76700	90300	192000	63300	45400	43900	1190	36400	37900	17800	33600
7	4300	60100	103000	194000	56400	25600	59500	9890	28500	41600	30000	22400
8	18900	47200	100000	194000	57000	20200	80500	6690	21600	50300	10600	36200
9	27800	49600	118000	173000	60100	29600	77800	13900	11900	51000	1070	38800
10	14600	39500	122000	162000	71400	31100	56500	22200	33200	41500	23600	38300
11	13800	39900	102000	165000	71400	40500	57700	19500	38400	37500	17900	31100
12	19400	59100	90500	172000	62200	39700	66500	22900	48000	46700	19800	27100
13	14200	46200	86300	173000	55800	21300	73100	27500	50200	45600	21500	14000
14	9200	38800	86700	191000	54500	1470	65500	8790	55500	48200	25100	14200
15	11000	28400	73700	191000	53700	21500	46500	9410	66200	45700	21900	15900
16	1170	31400	70800	177000	60500	31000	44300	6620	75600	36900	20700	33900
17	2140	42800	69700	166000	70700	9990	47800	16700	84000	40600	15200	25800
18	3410	44600	58100	167000	62800	8540	44100	11300	90400	41900	35600	11100
19	6220	55100	32100	170000	69700	1650	38000	16000	97600	32000	20300	22100
20	8200	61500	38500	165000	39300	1580	19500	28200	111000	21500	9530	21800
21	8330	55400	22900	158000	9760	19000	20600	29100	110000	27400	11500	10400
22	10900	53800	24500	140000	3240	49800	27400	30500	110000	30700	23700	16600
23	9170	52600	31500	110000	15800	36400	35800	14100	109000	31700	11100	22600
24	7610	74000	44600	91700	38000	43800	11900	18500	100000	35200	13700	19200
25	5190	104000	33700	69300	60700	48300	7800	26600	79600	32900	11800	45800
26	13000	112000	30200	76500	59700	47800	21200	54200	73000	27700	32400	14200
27	8520	97000	25900	82000	66900	69000	23600	32100	79200	22700	23800	8320
28	15000	93600	12300	77100	66600	75300	15200	34500	79300	20500	45000	7530
29	24200	91000	12800	63100	---	61800	26500	34400	80900	5750	50700	2000
30	23900	130000	23700	69800	---	53300	30000	26300	78100	13200	47800	5000
31	18200	---	24100	48400	---	68800	---	22700	---	14100	58000	---
TOTAL	319796	1995700	2111800	3972830	1536000	1189630	1328500	602530	1857800	1158250	724600	787350
MEAN	10320	66520	68120	128200	54860	38380	44280	19440	61930	37360	23370	26240
MAX	27800	130000	153000	194000	71400	75300	80500	54200	111000	80600	58000	54500
MIN	676	28400	12300	4630	3240	1470	7800	1190	11000	5750	1070	2000
AC-FT	634300	3958000	4189000	7880000	3047000	2360000	2635000	1195000	3685000	2297000	1437000	1562000

ARKANSAS RIVER BASIN

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	27010	44970	50950	46300	48300	75070	75250	75320	66480	34810	16480	15420
MAX	215100	176000	155400	161800	116100	169500	215900	234800	191600	117100	62730	51690
(WY)	1987	1975	1993	1998	2001	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	18129706		17584786			
ANNUAL MEAN	49530		48180		¹ 48000	
HIGHEST ANNUAL MEAN					96810 1993	
LOWEST ANNUAL MEAN					12880 1981	
HIGHEST DAILY MEAN	231000	Apr 26	194000	Jan 7	404000	May 8 1990
LOWEST DAILY MEAN	50	Sep 9	676	Oct 2	² 14	Oct 25 1978
ANNUAL SEVEN-DAY MINIMUM	2920	Sep 21	3680	Oct 1	432	Oct 15 1982
MAXIMUM PEAK FLOW			207000	Jan 12	³ 406000	May 7 1990
MAXIMUM PEAK STAGE			241.91	Jan 6	⁴ 256.97	May 7 1990
ANNUAL RUNOFF (AC-FT)	35960000		34880000		34770000	
10 PERCENT EXCEEDS	115000		100000		129000	
50 PERCENT EXCEEDS	38400		38000		29800	
90 PERCENT EXCEEDS	5720		9190		4060	

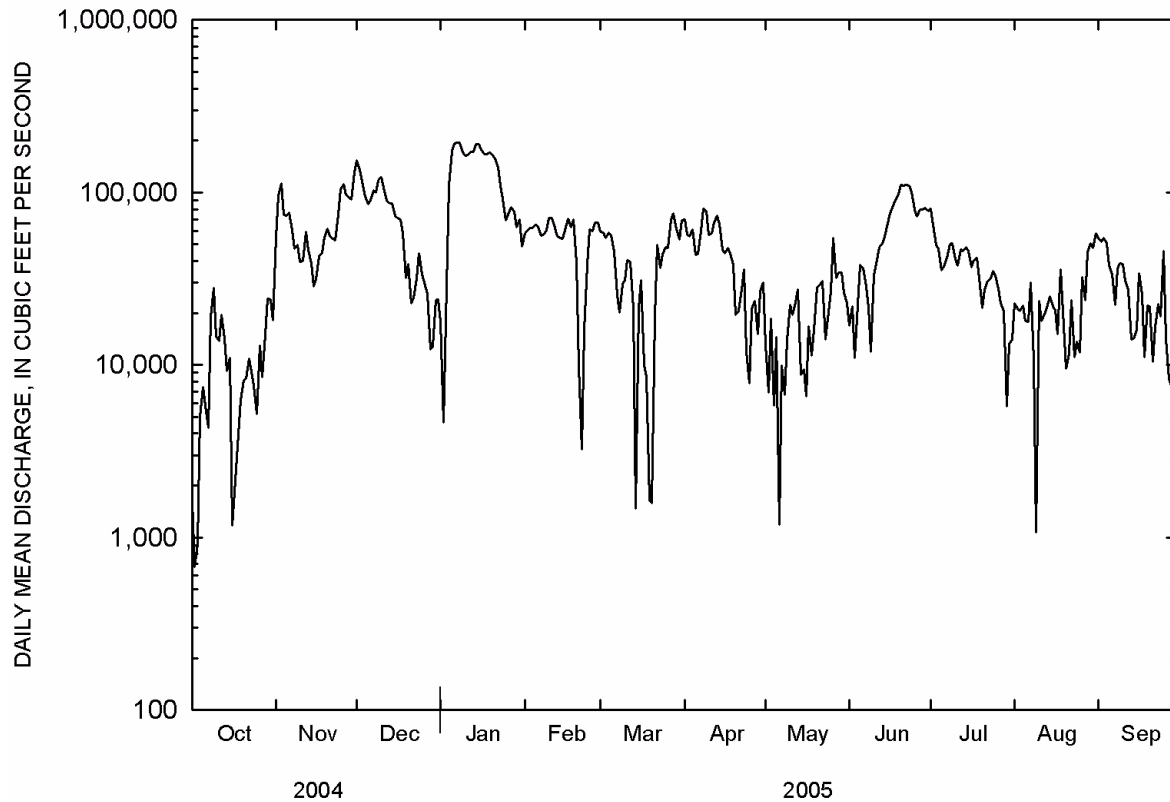
¹Prior to regulation, water years 1928-69, 39,920 ft³/s

²Also minimum daily discharge for period of record

³Maximum discharge for period of record, 536,000 ft³/s, May 27, 1943

⁴Maximum gage height for period of record, 30.05 ft, May 27, 1943, at former site and datum

^eEstimated



ARKANSAS RIVER BASIN

07263580 ROCK CREEK AT 36TH STREET AT LITTLE ROCK

LOCATION.--Lat 34°43'14", long 92°21'35", 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 mi².

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 NGVD of 1929.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 13, 1978, reached a stage of 18.22 ft, discharge, 22,500 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	335	50	30	12	9.7	15	2.2	1.4	51	0.33	0.59
2	1.9	110	32	56	27	8.3	11	1.6	5.6	5.8	0.30	0.40
3	1.8	87	24	183	16	9.6	9.2	1.5	2.1	1.8	0.29	0.34
4	1.8	47	19	97	12	7.5	7.4	1.5	1.2	1.1	0.29	0.33
5	1.8	28	52	125	10	6.2	6.7	1.4	0.83	37	0.35	0.30
6	1.8	20	53	95	20	5.7	75	1.3	21	161	59	0.30
7	1.8	14	102	136	99	5.0	24	1.3	e34	23	7.8	0.31
8	340	12	35	56	31	4.5	19	1.3	e18	7.0	0.91	0.30
9	52	10	26	35	22	5.6	12	1.5	e11	2.8	0.57	0.30
10	96	e10	20	27	16	4.3	9.1	1.1	2.1	1.7	0.47	0.28
11	198	e220	16	24	13	3.6	246	0.96	1.3	1.2	0.43	0.26
12	35	e150	15	20	17	3.4	68	0.77	0.64	0.92	0.42	0.23
13	14	e68	13	80	29	3.1	34	0.73	0.48	0.78	0.38	0.23
14	32	e43	12	28	16	2.8	22	3.0	0.36	0.71	0.36	7.5
15	16	e30	12	21	12	2.9	16	3.2	0.29	34	0.33	3.1
16	8.9	e21	12	17	10	2.7	12	4.0	0.65	46	0.33	0.96
17	5.7	e16	11	14	9.0	2.4	9.0	2.7	100	59	0.56	0.57
18	310	e17	11	14	8.4	2.3	7.8	2.2	15	9.3	0.44	0.46
19	47	e18	10	12	7.7	8.9	6.5	1.6	4.0	3.2	0.36	0.36
20	19	e12	9.9	10	10	4.2	5.2	20	1.8	1.9	0.32	0.33
21	12	e11	31	9.3	9.0	16	5.0	3.1	1.4	1.7	0.30	0.30
22	9.5	e11	135	8.7	7.9	130	4.6	0.80	1.2	8.6	0.32	0.29
23	113	e350	45	7.4	79	29	3.1	0.83	0.87	2.5	38	0.28
24	28	122	32	6.9	29	18	1.9	0.73	0.65	1.1	22	79
25	15	42	28	6.8	18	18	1.6	2.9	0.60	0.66	2.6	231
26	11	27	27	6.7	14	60	3.2	0.80	0.55	0.52	0.92	24
27	83	49	27	6.2	12	198	1.9	4.6	21	0.45	5.8	9.5
28	44	24	26	11	14	64	1.6	7.4	6.6	0.43	1.1	4.0
29	22	139	24	21	---	32	3.7	11	1.0	0.39	15	2.2
30	69	107	19	10	---	23	5.6	3.7	0.70	0.36	2.6	1.2
31	230	---	16	18	---	16	---	2.0	---	0.33	0.92	---
TOTAL	1822.8	2150	944.9	1192.0	580.0	706.7	647.1	91.72	256.32	466.25	163.80	369.22
MEAN	58.8	71.7	30.5	38.5	20.7	22.8	21.6	2.96	8.54	15.0	5.28	12.3
MAX	340	350	135	183	99	198	246	20	100	161	59	231
MIN	1.8	10	9.9	6.2	7.7	2.3	1.6	0.73	0.29	0.33	0.29	0.23
AC-FT	3620	4260	1870	2360	1150	1400	1280	182	508	925	325	732
CFSM	2.87	3.50	1.49	1.88	1.01	1.11	1.05	0.14	0.42	0.73	0.26	0.60
IN.	3.31	3.90	1.71	2.16	1.05	1.28	1.17	0.17	0.47	0.85	0.30	0.67

ARKANSAS RIVER BASIN

07263580 ROCK CREEK AT 36TH STREET AT LITTLE ROCK--CONTINUED

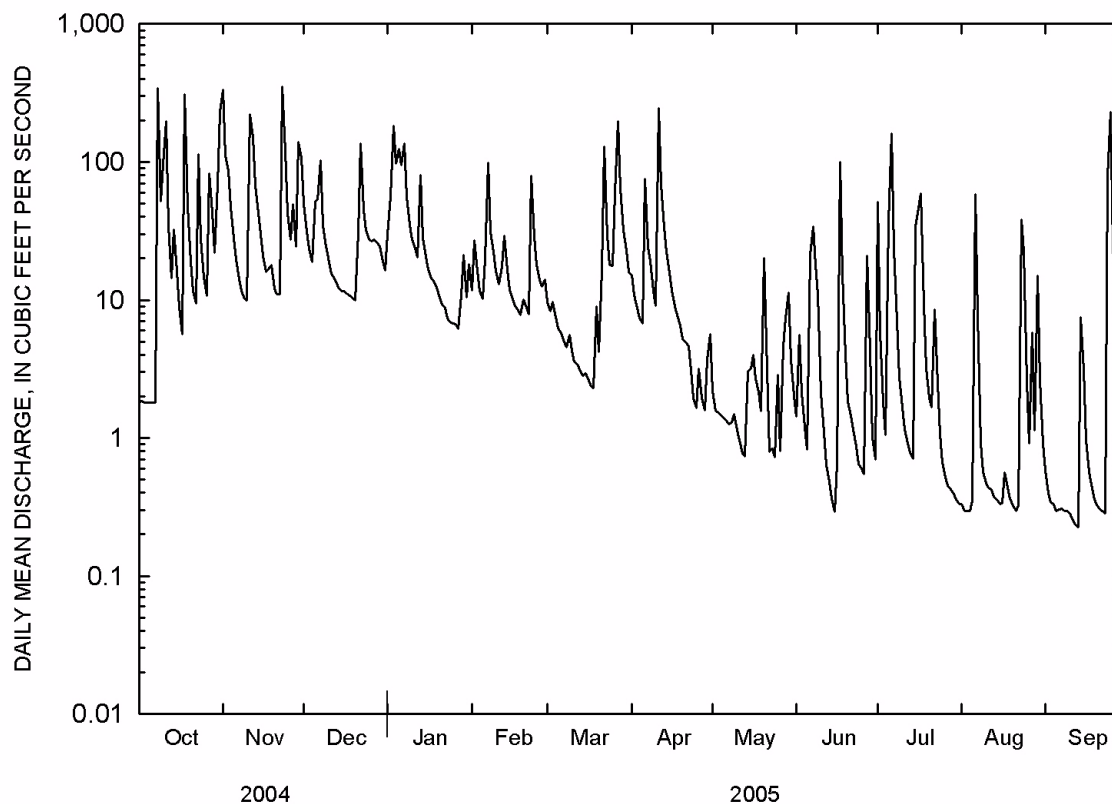
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	27.5	39.2	36.7	30.8	38.7	44.0	25.2	13.1	18.4	13.1	9.54	15.4
MAX	58.8	92.2	67.4	89.7	83.5	106	69.8	18.1	45.3	24.9	22.5	32.4
(WY)	2005	1997	2002	1998	1998	1997	1997	2002	1997	2004	1998	1997
MIN	5.59	5.71	14.0	5.76	14.2	15.1	7.22	2.96	2.87	1.82	1.48	2.63
(WY)	2001	2000	2004	2000	1999	2003	2002	2005	2002	2000	2000	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	10942.5		9390.81			
ANNUAL MEAN	29.9		25.7		25.9	
HIGHEST ANNUAL MEAN					46.8 1997	
LOWEST ANNUAL MEAN					11.8 2000	
HIGHEST DAILY MEAN	350	Nov 23	350	Nov 23	738	Dec 16 2001
LOWEST DAILY MEAN	1.8	Sep 18	0.23	Sep 12	0.05	Oct 19 1996
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 30	0.27	Sep 7	0.08	Oct 14 1996
MAXIMUM PEAK FLOW			3220	Nov 23	¹ 4650	Oct 27 1996
MAXIMUM PEAK STAGE			6.70	Nov 23	7.47	Oct 27 1996
INSTANTANEOUS LOW FLOW			0.23	Sep 12	0.05	Oct 18 1996
ANNUAL RUNOFF (AC-FT)	21700		18630		18750	
ANNUAL RUNOFF (CFSM)	1.46		1.26		1.26	
ANNUAL RUNOFF (INCHES)	19.86		17.04		17.15	
10 PERCENT EXCEEDS	76		68		58	
50 PERCENT EXCEEDS	13		9.1		6.9	
90 PERCENT EXCEEDS	2.6		0.43		1.3	

¹From rating curve extended above 1,400 ft³/s

^eEstimated



ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Velocity at point in stream, ft/s (81904)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
NOV 2004													
09...	0915	80513	80020	48600	<1.50	40	29	.129	.095	778	8.7	88	8.0
DEC 07...	0930	80513	80020	101000	3.00	10	34	.142	.106	769	11.4	101	7.7
JAN 2005													
04...	0900	80513	80020	93700	3.00	10	22	.124	.092	776	11.4	99	7.8
MAR 22...	1030	80513	80020	51100	<1.50	40	12	.154	.118	760	10.7	100	8.1
APR 05...	0830	80513	80020	42100	1.50	10	16	.106	.079	766	10.2	100	7.9
MAY 10...	1030	80513	80020	23600	<1.50	40	6.8	.110	.081	767	9.3	108	7.9
JUN 28...	0745	80513	80020	77700	3.50	10	13	.124	.092	768	7.1	92	7.9
AUG 23...	0915	80513	80020	7510	<1.50	40	6.4	.111	.079	764	6.5	88	8.0

Date	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarbohardness, wat flt field, mg/L as CaCO3 (00904)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
NOV 2004													
09...	397	16.9	89	24	24.9	6.42	3.32	2	38.6	48	65	78	.0
DEC 07...	347	10.3	71	15	19.6	5.45	2.97	2	33.5	49	56	68	.0
JAN 2005													
04...	318	9.8	67	66	18.6	4.85	2.51	2	30.2	49	57	M	.0
MAR 22...	662	12.2	140	47	39.8	9.45	3.22	3	73.5	53	92	110	.0
APR 05...	596	15.1	110	34	30.8	8.51	2.71	3	64.4	55	79	95	.0
MAY 10...	404	23.3	91	--	24.6	7.00	2.68	2	38.7	47	67	113	.0
JUN 28...	723	29.2	150	46	41.8	11.1	3.80	3	71.5	50	105	127	.0
AUG 23...	655	31.4	140	37	39.7	8.96	3.94	2	66.1	51	100	121	.0

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, sum of constituents, mg/L (70301)	Residue, water, fltrd, tons/acre-ft (70303)	Residue, water, fltrd, tons/d (70302)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)	Nitrate, water, fltrd, mg/L as N (00618)
NOV 2004													
09...	58.2	.1	6.94	29.1	216	.31	30200	230	.32	.48	<.04	9.28	2.10
DEC 07...	52.5	.1	6.98	25.1	182	.27	53700	197	.29	.49	E.03	--	--
JAN 2005													
04...	44.7	.1	7.23	22.8	133	.24	45400	179	.30	.42	E.04	--	--
MAR 22...	109	.2	6.13	51.0	350	.50	50700	367	.29	.46	<.04	--	--
APR 05...	101	.1	3.79	46.8	307	.45	37700	332	.35	.41	E.02	--	--
MAY 10...	56.1	.1	.93	34.8	222	.31	14400	226	.37	.47	E.03	1.05	.24
JUN 28...	117	.2	5.80	57.4	375	.55	85200	406	.66	.42	E.04	--	--
AUG 23...	105	.2	8.38	53.0	346	.51	7580	374	.41	.54	E.03	--	--

ARKANSAS RIVER BASIN

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	Total carbon, suspd, sedimnt total, mg/L (00694)	Inorganic carbon, suspd, sedimnt total, mg/L (00688)	Organic carbon, suspd, sedimnt total, mg/L (00689)
NOV 2004 09...	2.19	.322	.098	.14	.144	.047	.061	.106	2.5	2.7	.9	<.1	.9
DEC 07...	.39	--	<.008	.14	.138	.045	.066	.115	.67	.88	.9	<.1	.9
JAN 2005 04...	.34	--	<.008	.22	.104	.034	E.003	.095	.64	.76	1.0	<.1	1.0
MAR 22...	.62	--	E.004	.11	.156	.051	.063	.106	.91	1.1	.7	<.1	.7
APR 05...	.42	--	<.008	.17	.092	.030	.045	.088	.77	.83	1.0	<.1	1.0
MAY 10...	.25	.030	.009	.12	.031	.010	E.026	.056	.62	.71	.7	<.1	.6
JUN 28...	.57	--	E.006	.10	.196	.064	<.004	.126	1.2	1.0	.6	<.1	.6
AUG 23...	<.06	--	<.008	.22	.212	.069	.090	.127	--	--	1.2	<.1	1.2

Date	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a, phytoplankton, fluoro, ug/L (70953)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Lithium water, fltrd, ug/L (01130)	Selenium, water, fltrd, ug/L (01145)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	2,6-Diethyl-aniline water, fltrd, 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)
NOV 2004 09...	3.9	E4.1	E2.6	1.1	43	31	2.6	E.2	188	1.4	<.006	E.029	<.006
DEC 07...	4.1	2.1	1.5	.9	28	37	2.4	E.2	154	.8	<.006	E.021	<.006
JAN 2005 04...	3.9	2.5	3.2	.7	30	28	1.8	E.2	143	.6	<.006	E.018	<.006
MAR 22...	3.6	3.9	6.0	1.0	37	8	4.1	.5	294	1.2	<.006	E.010	<.006
APR 05...	3.1	2.4	5.8	.8	40	16	3.2	.5	264	.9	<.006	E.012	<.006
MAY 10...	3.5	6.2	7.0	.7	32	23	2.6	E.3	215	.8	<.006	E.014	<.006
JUN 28...	3.5	1.6	1.4	1.9	47	6	5.1	.5	395	3.6	<.006	E.143	.013
AUG 23...	3.9	11.4	11.8	3.7	51	E4	3.7	.7	337	3.3	<.006	E.096	<.006

Date	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyri-fos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)
NOV 2004 09...	<.005	<.005	.208	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
DEC 07...	<.005	<.005	.130	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
JAN 2005 04...	<.005	<.005	.102	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
MAR 22...	<.005	<.005	.114	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
APR 05...	<.005	<.005	.143	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
MAY 10...	<.005	<.005	.177	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
JUN 28...	.079	<.005	.942	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012
AUG 23...	.013	<.005	.731	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012

Date	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd, 0.7u GF ug/L (82663)	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Ponofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron water, fltrd, 0.7u GF ug/L (82666)
NOV 2004 09...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
DEC 07...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
JAN 2005 04...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
MAR 22...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
APR 05...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
MAY 10...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
JUN 28...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035
AUG 23...	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035

ARKANSAS RIVER BASIN

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM BELOW LITTLE ROCK--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF (82671)	Naprop- amide, water, fltrd 0.7u GF (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF (82669)	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate water, fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF (82676)
NOV 2004 09...	<.027	<.015	.031	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004
DEC 07...	<.027	<.015	.025	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
JAN 2005 04...	<.027	<.015	.020	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
MAR 22...	<.027	<.015	.016	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004
APR 05...	<.027	<.015	.014	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
MAY 10...	<.027	<.015	.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
JUN 28...	<.027	<.015	.471	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004
AUG 23...	<.027	<.015	.139	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004

Date	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water, fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Suspnd. sedi- ment, sieve diameter percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
NOV 2004 09...	<.025	<.011	<.02	.035	<.02	<.034	<.02	<.010	<.006	<.009	99	33	4330
DEC 07...	<.025	<.011	<.02	.038	E.01	<.034	<.02	<.010	<.006	<.009	94	43	11700
JAN 2005 04...	<.025	<.011	<.02	.058	E.01	<.034	<.02	<.010	<.006	<.009	89	29	7340
MAR 22...	<.025	<.011	<.02	.048	.02	<.034	<.02	<.010	<.006	<.009	92	15	2070
APR 05...	<.025	<.011	<.02	.066	<.02	<.034	<.02	<.010	<.006	<.009	96	33	3750
MAY 10...	<.025	<.011	<.02	.051	E.01	<.034	<.02	<.010	<.006	<.009	91	9	573
JUN 28...	<.025	<.011	<.02	.018	.02	<.034	<.02	<.010	<.006	<.009	99	34	7130
AUG 23...	<.025	<.011	<.02	.018	<.02	<.034	<.02	<.010	<.006	<.009	100	8	162

Date	Sampler type, code (84164)
NOV 2004 09...	8010
DEC 07...	3055
JAN 2005 04...	3055
MAR 22...	3070
APR 05...	3051
MAY 10...	3070
JUN 28...	3055
AUG 23...	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.
 M -- Presence verified but not quantified.

ARKANSAS RIVER BASIN

287

07264000 BAYOU METO NEAR LONOKE

LOCATION.--Lat 34°44'13", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi².

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of U.S. Army Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke".

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

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft above NGVD of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records poor. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	446	1360	366	144	287	1030	39	2.1	0.08	2.1	55
2	3.7	834	1350	359	162	243	984	39	0.34	0.08	1.3	36
3	3.4	1190	1340	455	163	218	854	37	1.3	5.1	0.09	26
4	3.5	1350	1330	688	172	183	661	30	1.4	28	4.4	15
5	3.9	1440	1300	834	186	160	441	29	3.2	24	1.5	14
6	3.3	1530	1270	1020	185	140	288	24	1.6	82	1.7	13
7	2.4	1590	1260	1230	383	127	270	22	121	226	0.07	13
8	3.8	1550	1200	1300	602	120	419	17	258	319	0.12	11
9	6.5	1450	1140	1300	655	113	507	14	181	334	0.49	9.2
10	31	1330	1090	1420	676	115	489	13	86	280	0.63	6.7
11	144	1210	1050	1630	670	116	502	17	36	173	0.64	7.8
12	259	1070	1010	1550	595	99	691	11	16	71	e0.30	7.9
13	352	952	931	e1430	483	87	759	7.7	7.5	28	e0.00	7.3
14	390	892	821	e1310	387	71	829	16	2.1	12	e0.00	7.7
15	336	872	694	e1230	379	66	928	15	0.05	4.9	e0.00	7.4
16	216	842	557	e1110	372	63	981	12	0.46	4.2	e0.10	6.8
17	113	768	427	e997	328	69	929	10	0.78	0.22	e0.10	7.4
18	91	656	328	e880	275	67	772	4.9	0.44	102	e0.30	5.7
19	278	563	262	751	238	66	550	8.1	5.7	320	1.9	3.6
20	398	488	211	621	199	67	336	11	0.96	383	0.41	3.6
21	428	445	180	487	174	60	220	5.7	0.05	345	1.5	4.3
22	402	410	182	372	167	81	164	7.1	0.15	255	4.0	4.1
23	325	410	244	294	191	154	144	19	1.8	190	6.5	4.5
24	267	636	407	244	294	386	120	16	1.6	179	8.0	4.1
25	274	794	538	204	410	549	96	9.5	1.4	125	12	208
26	298	913	612	173	470	613	79	4.9	0.15	59	11	570
27	260	1080	625	149	447	644	61	3.1	0.06	30	11	736
28	197	1190	586	135	366	710	47	14	0.23	24	8.9	793
29	139	1230	524	123	---	783	42	12	0.34	16	20	744
30	119	1320	464	112	---	878	37	5.9	0.14	10	61	564
31	188	---	410	122	---	985	---	4.2	---	6.6	76	---
TOTAL	5539.2	29451	23703	22896	9773	8320	14230	478.1	731.85	3636.18	236.05	3896.1
MEAN	179	982	765	739	349	268	474	15.4	24.4	117	7.61	130
MAX	428	1590	1360	1630	676	985	1030	39	258	383	76	793
MIN	2.4	410	180	112	144	60	37	3.1	0.05	0.08	0.00	3.6
AC-FT	10990	58420	47010	45410	19380	16500	28230	948	1450	7210	468	7730

ARKANSAS RIVER BASIN

07264000 BAYOU METO NEAR LONOKE--CONTINUED

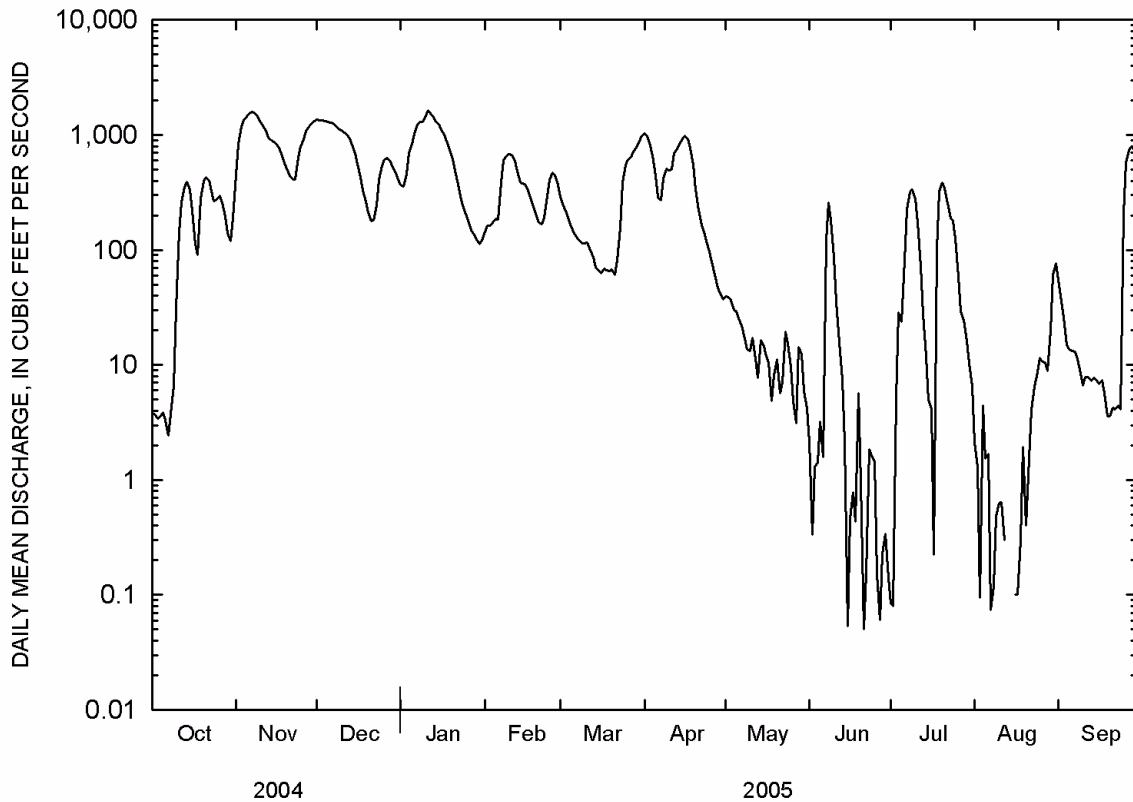
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

MEAN	61.7	244	473	417	512	555	490	405	145	55.3	45.5	63.5
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	0.35	0.00	2.87	21.0	65.2	166	64.5	14.7	2.28	1.28	1.09	1.84
(WY)	2000	2000	1955	2000	1972	1972	1960	2001	1988	1980	2000	1999

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1955 - 2005	
ANNUAL TOTAL	126920.58		122890.48			
ANNUAL MEAN	347		337		288	
HIGHEST ANNUAL MEAN					550 1973	
LOWEST ANNUAL MEAN					95.2 1963	
HIGHEST DAILY MEAN	1590	Nov 7	1630	Jan 11	5570	Dec 29 1987
LOWEST DAILY MEAN	0.74	Sep 20	0.00	Aug 13	0.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 16	0.11	Aug 12	0.00	Oct 18 1954
MAXIMUM PEAK FLOW			1630	¹ Nov 7	5750	Dec 29 1987
MAXIMUM PEAK STAGE			22.27	¹ Nov 7	27.11	Dec 29 1987
INSTANTANEOUS LOW FLOW			0.00 at times		0.00	at times
ANNUAL RUNOFF (AC-FT)	251700		243800		208500	
10 PERCENT EXCEEDS	1010		1020		864	
50 PERCENT EXCEEDS	184		162		82	
90 PERCENT EXCEEDS	5.8		1.6		5.6	

¹Also January 10-11, 2005

^eEstimated



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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 NGVD of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2370	4580	32800	7300	10300	10100	13100	3950	3060	2250	2190	2680
2	1900	5030	43400	6870	10500	9460	11000	3950	2970	1850	2600	2500
3	1640	5240	47300	6960	10800	9210	10100	3820	2650	1650	2670	2240
4	2280	5020	41600	12000	11100	8750	9550	3740	2360	1850	2740	2250
5	2770	7910	34100	45200	12000	8550	9270	3440	2250	2150	2740	2430
6	2880	12700	29900	63300	13100	8060	8940	2840	2460	2320	2720	2500
7	2800	14500	27500	60900	13900	7460	9130	2530	2610	2420	2590	2400
8	2650	15200	26400	46900	14500	7250	10900	2930	2500	2400	2480	2170
9	2430	15300	25600	42600	14900	7140	13100	3240	2410	2030	2430	2000
10	2630	15000	22700	46300	16400	6980	15300	3230	2260	2480	2440	1810
11	2730	14600	20000	47300	18600	7020	15100	3240	2030	3820	2520	1760
12	2730	13400	16800	45800	17500	6850	13300	3160	2070	3340	2470	1890
13	2850	11100	13900	44500	14700	6730	11400	2630	2270	2610	2240	1940
14	3210	9970	11400	44100	11600	6580	8070	2260	2330	2420	2290	1940
15	4110	7820	9850	44000	10400	6540	8390	2380	2280	2350	2570	1960
16	6100	6370	10200	42900	9860	6380	8940	2720	2260	2120	2490	1940
17	8630	6110	12100	39300	9860	6390	7250	2820	2220	1830	2420	1850
18	9580	5910	11500	36300	10400	6400	6220	2840	1960	2020	2500	1860
19	8160	5280	11500	33600	10400	6400	5640	2790	1790	2200	2360	2070
20	6380	5290	11700	27500	9900	6360	5090	2560	1910	2310	2120	2190
21	5000	6700	11500	24400	9010	6420	4500	2400	2100	2290	2060	2190
22	3570	9730	11600	22900	8680	6330	4240	2600	2200	2140	2590	2300
23	2820	16600	11700	21100	8620	6460	4130	2760	2290	1780	3040	2470
24	2570	23800	10800	17900	9130	6750	4010	2770	2220	1600	2960	2540
25	3000	29600	9180	15400	11300	7070	3920	2770	2040	1740	2950	2420
26	3390	38900	8650	14300	14000	8320	4130	2720	1990	1850	2650	2390
27	4290	41100	8450	13700	13900	10500	4350	2650	2120	2000	2240	2340
28	4250	35600	8310	13300	11700	11300	4260	2710	2170	2120	2120	2250
29	3120	31200	8160	12800	---	13300	3990	2870	2310	2040	2440	2230
30	2340	29700	7740	11900	---	17000	3810	2880	2360	1720	2590	2090
31	3230	---	7500	10600	---	16400	---	2930	---	1580	2700	---
TOTAL	116410	449260	563840	921930	337060	258460	241130	91130	68450	67280	77920	65600
MEAN	3755	14980	18190	29740	12040	8337	8038	2940	2282	2170	2514	2187
MAX	9580	41100	47300	63300	18600	17000	15300	3950	3060	3820	3040	2680
MIN	1640	4580	7500	6870	8620	6330	3810	2260	1790	1580	2060	1760
AC-FT	230900	891100	1118000	1829000	668600	512700	478300	180800	135800	133400	154600	130100

RED RIVER BASIN

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

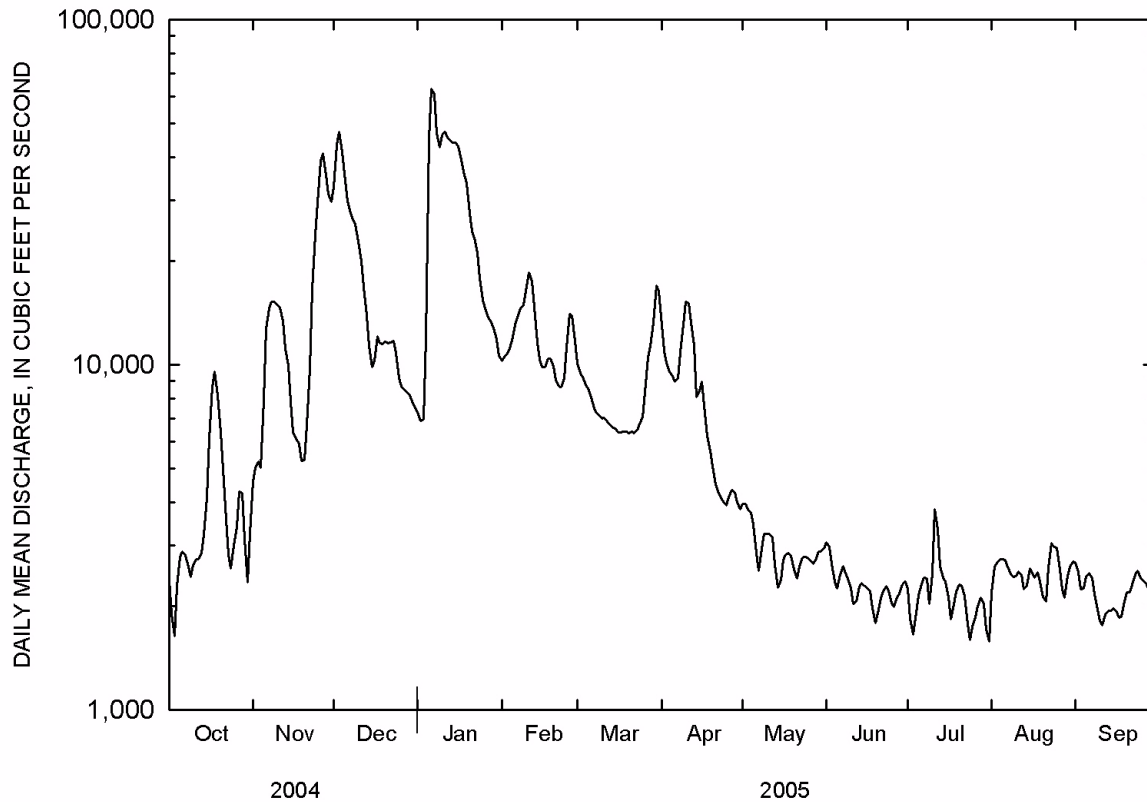
MEAN	7835	10560	12160	11520	14060	17190	17250	22620	20900	9502	5695	5742
MAX	41690	47140	47910	60160	38960	67730	61460	121000	94400	33990	39230	30340
(WY)	1946	1975	1992	1998	1946	1945	1990	1990	1957	1989	1950	1950
MIN	716	642	1206	1360	2127	2233	2096	2940	2282	1162	1025	909
(WY)	1957	1957	1957	1964	1964	1967	1956	2005	2005	1944	1944	1944

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1944 - 2005		
ANNUAL TOTAL	2711390			3258470					
ANNUAL MEAN	7408			8927			¹ 12900		
HIGHEST ANNUAL MEAN							30420 1990		
LOWEST ANNUAL MEAN							4383 1964		
HIGHEST DAILY MEAN	47300	Dec 3		63300	Jan 6		268000	May 10	1990
LOWEST DAILY MEAN	1130	Jan 11		1580	Jul 31		384	Nov 28	1956
ANNUAL SEVEN-DAY MINIMUM	1430	Jan 7		1860	Jul 25		397	Oct 19	1956
MAXIMUM PEAK FLOW				67700	Jan 6		² 270000	May 10	1990
MAXIMUM PEAK STAGE				16.65	Jan 6		³ 32.30	May 10	1990
INSTANTANEOUS LOW FLOW				1520	Jul 31		378	Nov 28	1956
ANNUAL RUNOFF (AC-FT)	5378000			6463000			9348000		
10 PERCENT EXCEEDS	13700			20400			34400		
50 PERCENT EXCEEDS	5730			4240			5880		
90 PERCENT EXCEEDS	2180			2100			2260		

¹Prior to regulation, water years 1937-43, 11,970 ft³/s

²Maximum discharge for period of record 297,000 ft³/s February 23, 1938

³Maximum gage height for period of record 34.25 ft February 23, 1938, from graph based on gage readings



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005														
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	
Date	Time	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)
Date	Time	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC MF, col/100 mL (31625)	Fecal streptococci, KF MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)	Location in X-sect. looking downstrm ft from 1 bank (00009)	
Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling depth, feet (00003)	Stream width, feet (00004)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking downstrm ft from 1 bank (00009)		
OCT 2004	27...	1550	80513	80020	4450	10	765	7.2	88	7.6	1400	25.0	300	79.7
OCT 2004	27...	25.3	6.82	4	164	53	238	.3	188	819	.99	E.04	<.06	.030
OCT 2004	27...	.009	<.02	<.04	.15	160	210	122	96	251	3020	3054		
JAN 2005	19...	1501	80513	80513	2.00	470	770	10.5	89	7.6	781	8.3	614	
JAN 2005	19...	1502	80513	80513	2.00	470	770	10.5	89	7.6	782	8.2	661	
JAN 2005	19...	1503	80513	80513	2.00	470	770	10.5	88	7.6	782	8.2	708	
JAN 2005	19...	1504	80513	80513	2.00	470	770	10.4	88	7.6	782	8.2	755	
JAN 2005	19...	1505	80513	80513	2.00	470	770	10.4	88	7.6	782	8.2	802	
JAN 2005	19...	1506	80513	80513	2.00	470	770	10.4	88	7.7	779	8.3	849	
JAN 2005	19...	1507	80513	80513	2.00	470	770	10.4	88	7.7	782	8.2	895	
JAN 2005	19...	1508	80513	80513	2.00	470	770	10.4	87	7.7	783	8.2	943	
JAN 2005	19...	1509	80513	80513	2.00	470	770	10.4	88	7.7	782	8.2	990	
JAN 2005	19...	1510	80513	80513	2.00	470	770	10.6	89	7.7	781	8.2	1040	
JAN 2005	19...	1545	80513	80020	--	--	770	10.4	88	7.7	782	8.2	--	
JAN 2005	19...	1545	33400	10	160	43.3	12.7	3.77	3	87.2	53	134	.2	89.3
JAN 2005	19...	443	.86	E.03	.13	E.007	<.02	E.02	.27	1.0	560	410	124	42

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)	Dis-solved oxygen, percent of saturation (00301)	pH, water, field, std units (00400)	Specif. conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
JAN 2005	19...						1120	101000	3054						
FEB 2005	23...	80513	80020	8610	30	764	8.0	77	8.0	1080	13.8	240	63.4		
MAY	05...	80513	80020	3630	10	770	9.9	104	8.2	1190	18.3	290	79.4		
JUN	09...	80513	80020	2420	70	760	6.2	81	8.2	963	29.0	270	70.2		
AUG	03...	80513	80020	2690	30	760	7.0	96	8.3	1360	31.7	300	74.5		
Date	Time	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	
FEB 2005	23...	18.7	4.48	3	116	51	186	.2	121	622	.59	--	E.03	.16	
MAY	05...	23.2	5.01	3	131	49	188	.3	143	718	.76	--	<.04	<.06	
JUN	09...	22.6	5.03	2	89.6	42	118	.3	100	564	.74	.08	.06	<.06	
AUG	03...	27.2	5.81	4	166	54	232	.3	171	823	1.1	--	E.02	<.06	
Date	Time	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF, col/100 mL (31673)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)	
FEB 2005	23...	<.008	--	<.02	<.04	.10	.75	E46	52	E14	92	169	3930	3070	
MAY	05...	<.008	--	<.02	<.04	.09	--	E16	E6	E8	83	44	431	3054	
JUN	09...	<.008	.67	<.02	<.04	.07	--	50	40	56	75	47	307	3070	
AUG	03...	<.008	--	<.02	<.04	.11	--	94	100	--	82	35	254	3070	

Remark codes used in this table:

< -- Less than.

E -- Estimated.

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TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	28.0	20.5	23.8	23.9	22.7	23.2	12.2	11.6	11.9	12.7	11.8	12.2
2	29.0	21.5	24.5	22.7	21.0	22.0	11.9	11.3	11.7	14.0	12.7	13.3
3	29.1	18.2	23.1	21.0	18.8	19.9	11.7	11.2	11.4	15.3	14.0	14.6
4	22.2	20.1	21.4	18.8	17.3	17.9	11.3	10.8	11.1	16.5	15.3	15.9
5	23.1	21.5	22.1	17.5	16.2	17.0	11.1	10.9	11.0	16.5	15.9	16.2
6	22.7	20.5	21.7	17.4	16.4	16.9	11.8	11.0	11.3	15.9	13.7	14.8
7	23.5	21.7	22.6	17.5	16.5	17.0	12.3	11.6	12.0	13.7	11.7	12.6
8	23.0	21.5	22.5	17.0	16.2	16.7	12.2	11.8	12.0	11.7	10.2	10.9
9	21.5	19.0	20.4	16.2	15.5	15.8	12.6	12.0	12.3	10.2	8.9	9.3
10	20.3	18.2	19.7	15.6	14.9	15.3	12.5	12.0	12.2	9.4	8.7	9.0
11	21.2	19.8	20.5	15.6	15.0	15.4	12.0	11.4	11.7	10.3	9.4	9.9
12	20.8	18.7	19.5	15.0	14.4	14.6	11.7	11.0	11.4	11.2	10.3	10.8
13	20.4	17.8	19.2	14.5	13.9	14.2	11.4	10.7	11.1	11.4	11.1	11.2
14	19.3	18.0	18.7	14.0	13.6	13.8	10.7	9.6	10.1	11.2	10.7	10.9
15	19.1	17.3	18.1	14.4	13.6	14.0	9.6	8.6	9.1	10.7	10.2	10.4
16	19.0	17.7	18.4	15.6	14.1	14.8	8.8	8.1	8.3	10.3	9.6	9.9
17	19.2	18.0	18.6	15.6	15.0	15.4	8.5	7.6	8.1	9.6	8.5	9.0
18	21.4	19.2	20.3	15.9	15.4	15.7	8.9	8.0	8.4	8.5	7.8	8.1
19	22.7	21.1	21.8	16.4	15.6	16.0	8.8	8.1	8.4	8.3	7.7	8.0
20	22.9	21.7	22.3	16.8	15.8	16.3	8.7	7.6	8.2	8.8	7.9	8.4
21	22.8	22.2	22.5	16.9	16.6	16.7	9.6	8.4	8.9	9.5	8.6	9.0
22	24.0	22.6	23.3	16.7	16.3	16.5	9.6	8.3	9.1	10.0	9.4	9.6
23	23.7	21.8	23.1	16.4	16.3	16.3	8.3	7.0	7.6	9.4	8.6	8.9
24	27.2	18.8	22.5	16.5	15.4	16.0	7.0	6.0	6.5	8.7	8.0	8.4
25	24.1	22.6	23.3	15.4	14.5	14.9	6.0	5.1	5.6	9.0	7.9	8.4
26	24.5	23.1	23.7	14.5	14.0	14.2	6.1	4.9	5.6	9.7	8.6	9.0
27	25.0	23.6	24.1	14.4	13.9	14.2	6.0	5.0	5.6	9.4	8.6	9.0
28	25.3	23.7	24.5	13.9	13.1	13.4	6.6	5.2	5.9	8.6	7.8	8.1
29	25.0	23.8	24.4	13.1	12.9	13.0	7.2	6.3	6.7	8.1	7.7	7.9
30	29.6	21.1	23.6	13.1	12.2	12.7	9.7	7.2	8.3	8.0	7.8	7.9
31	24.7	21.3	23.5	---	---	---	11.8	9.7	10.6	8.0	7.7	7.8
MONTH	29.6	17.3	21.9	23.9	12.2	16.0	12.6	4.9	9.4	16.5	7.7	10.3
	FEBRUARY			MARCH			APRIL			MAY		
1	7.9	7.5	7.6	12.5	11.5	12.0	16.0	15.4	15.7	21.9	19.2	20.4
2	---	---	---	12.1	11.6	11.8	16.9	14.9	15.8	21.0	19.5	20.1
3	7.9	7.4	7.6	12.5	11.4	11.9	17.7	15.6	16.5	19.5	18.5	18.9
4	8.4	7.3	7.8	12.7	11.5	12.1	17.7	16.5	17.1	19.6	17.8	18.6
5	9.3	7.9	8.5	12.7	11.7	12.2	17.8	16.7	17.2	21.1	18.1	19.5
6	9.5	8.8	9.2	13.7	12.0	12.8	18.1	16.9	17.6	24.0	17.8	20.5
7	10.2	9.5	9.8	14.7	13.2	14.0	18.5	17.0	17.7	27.0	17.8	22.1
8	10.4	9.9	10.2	15.1	13.3	14.3	18.6	17.0	17.8	22.5	20.7	21.6
9	11.0	10.3	10.5	14.8	13.8	14.4	19.2	17.5	18.2	23.7	20.9	22.3
10	10.8	9.8	10.2	14.8	12.9	13.9	19.1	18.4	18.7	26.0	22.5	24.1
11	10.3	9.6	10	15.1	13.8	14.5	19.4	18.6	18.9	27.2	24.3	25.8
12	10.0	9.8	9.9	15.5	13.5	14.6	19.4	18.1	18.7	27.3	25.0	26.1
13	11.4	9.8	10.6	15.4	14.8	15.2	19.6	18.1	18.8	28.7	23.5	25.8
14	12.5	11.0	11.7	15.1	13.6	14.4	20.3	18.1	19.1	30.4	23.1	25.7
15	13.6	11.9	12.7	14.4	12.3	13.2	20.3	18.7	19.6	29.2	20.5	24.2
16	13.9	13.1	13.5	12.3	11.1	11.4	21.0	19.0	20.0	24.1	20.3	21.8
17	13.4	12.6	12.9	12.7	10.4	11.5	21.6	19.3	20.4	24.8	19.4	22.8
18	13.1	12.1	12.6	13.2	11.2	12.3	21.4	20.0	20.8	27.8	21.5	25.0
19	12.7	11.9	12.2	14.4	12.5	13.4	21.5	20.4	21.0	26.6	23.9	25.4
20	12.9	11.8	12.3	14.7	13.3	14.0	21.5	20.7	21.1	32.1	24.0	27.7
21	14.7	12.8	13.7	14.4	13.9	14.1	23.5	21.0	22.1	31.0	23.2	27.4
22	15.3	13.8	14.5	15.0	14.0	14.5	24.3	22.4	23.2	32.8	24.1	28.1
23	15.0	13.7	14.1	15.4	13.6	14.5	23.0	21.1	21.9	29.6	26.0	27.7
24	13.7	12.7	13.0	15.7	13.6	14.8	21.9	19.8	20.8	31.5	25.5	28.4
25	13.4	12.0	12.7	17.2	14.9	16.1	21.6	20.3	20.9	27.0	23.9	25.4
26	13.1	12.6	12.8	17.0	15.2	15.9	21.7	19.6	20.5	29.0	23.3	26.3
27	12.8	12.3	12.6	15.2	13.4	14.3	22.0	19.5	20.6	29.0	23.4	26.0
28	12.9	11.7	12.2	14.5	12.6	13.6	22.5	20.1	21.2	26.0	22.7	24.4
29	---	---	---	15.2	13.8	14.4	21.8	21.0	21.4	26.3	22.5	24.4
30	---	---	---	16.1	14.7	15.3	21.4	19.6	20.4	25.2	23.5	24.3
31	---	---	---	16.0	15.1	15.6	---	---	---	---	---	---
MONTH	---	---	---	17.2	10.4	13.8	24.3	14.9	19.5	---	---	---

RED RIVER BASIN

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, on left bank, downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi².

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. WDR Ark. 1978: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above NGVD of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1934, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	720	373	14000	e660	3740	2690	5220	487	1770	515	651	402
2	530	1400	16600	e900	3670	2760	4510	396	1510	471	1110	411
3	388	3490	17300	e1200	4040	1510	3710	573	1020	436	1960	474
4	400	4670	16800	e5000	4410	2560	2760	1080	958	336	2340	422
5	694	4500	15900	e16400	3920	2280	3080	604	705	328	2110	449
6	931	3920	15100	e20000	2220	1270	3380	549	555	317	1130	407
7	1010	2410	13900	20300	5040	1080	3870	376	1090	304	686	388
8	966	1870	10000	19300	8450	2090	4110	364	2020	307	558	388
9	543	2000	6730	8850	8070	2080	3610	407	2600	281	861	387
10	425	2230	3250	5110	7940	1030	2870	452	2450	348	1630	380
11	333	2600	1940	10900	7050	723	2910	1820	2420	320	1050	714
12	311	1990	1300	13700	5780	929	3910	2260	1160	523	1410	491
13	347	1750	601	16200	4370	691	3220	2890	562	600	1450	389
14	441	931	531	17700	4200	528	2870	1380	1460	720	821	376
15	356	539	e812	17100	4320	607	2260	576	923	992	662	430
16	294	771	e1380	16600	4610	650	1980	382	754	963	504	478
17	283	704	e2510	16200	5930	496	1040	512	506	649	704	421
18	249	870	e3600	15800	5400	485	788	582	480	380	544	454
19	383	1420	e4600	15700	3380	458	936	608	517	529	507	433
20	454	1940	e4880	15700	1360	427	891	1150	427	727	457	671
21	600	3290	4780	14800	1190	443	1200	868	713	2220	449	826
22	484	3320	4310	12500	2790	594	1020	810	827	2340	438	1090
23	639	3350	e2900	12200	3090	993	892	1040	915	2340	419	659
24	378	6840	e1800	12300	5790	2250	680	1100	845	1710	465	469
25	243	9980	e900	11600	4700	2660	492	1010	643	1220	444	604
26	656	9730	e580	9880	3830	2410	511	663	489	1110	472	544
27	847	8200	e570	8690	2380	3370	503	417	351	1350	454	446
28	1410	7820	e560	7110	1990	6120	852	387	758	688	415	405
29	1630	7680	e560	4600	---	6250	650	494	702	483	411	501
30	869	10200	e550	2480	---	5880	515	1560	630	885	414	562
31	409	---	e570	2390	---	5380	---	2140	---	766	407	---
TOTAL	18223	110788	169814	351870	123660	61694	65240	27937	30760	25158	25933	15071
MEAN	588	3693	5478	11350	4416	1990	2175	901	1025	812	837	502
MAX	1630	10200	17300	20300	8450	6250	5220	2890	2600	2340	2340	1090
MIN	243	373	531	660	1190	427	492	364	351	281	407	376
AC-FT	36150	219700	336800	697900	245300	122400	129400	55410	61010	49900	51440	29890

RED RIVER BASIN

07340000 LITTLE RIVER NEAR HORATIO--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	1983	4209	6253	4976	5751	6716	5407	5689	4121	1740	1148	1384
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	924	530	346	281	411	303
(WY)	2000	2000	1990	1981	1996	1996	2003	1988	1988	1972	1977	1977

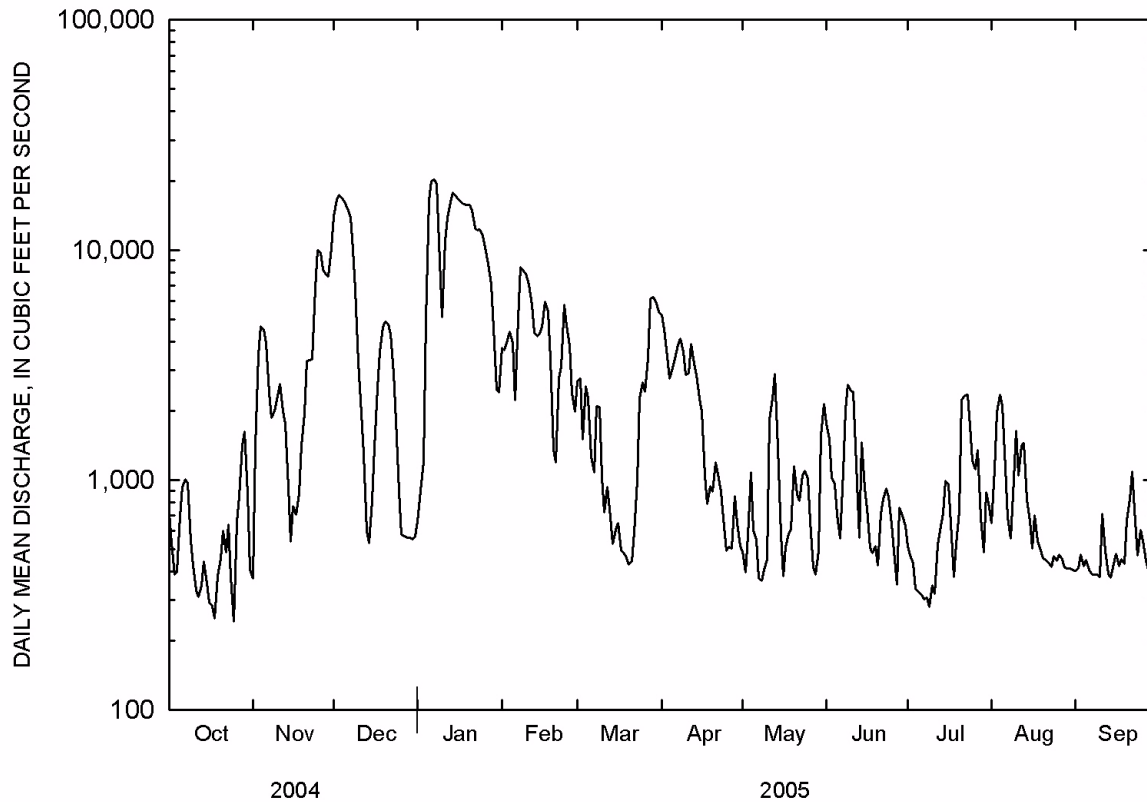
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	1112487		1026148			
ANNUAL MEAN	3040		2811		¹ 4106	
HIGHEST ANNUAL MEAN					7523 1973	
LOWEST ANNUAL MEAN					1547 1976	
HIGHEST DAILY MEAN	17300	Dec 3	20300	Jan 7	57700	Dec 12 1971
LOWEST DAILY MEAN	243	Oct 25	243	Oct 25	² 121	Oct 5 1972
ANNUAL SEVEN-DAY MINIMUM	326	Oct 12	315	Jul 5	152	Oct 4 1972
MAXIMUM PEAK FLOW			21200	Jan 8	³ 65100	Dec 10 1971
MAXIMUM PEAK STAGE			23.38	Jan 8	32.84	Dec 10 1971
ANNUAL RUNOFF (AC-FT)	2207000		2035000		2975000	
10 PERCENT EXCEEDS	7010		7990		12300	
50 PERCENT EXCEEDS	1440		966		1770	
90 PERCENT EXCEEDS	460		406		372	

¹Prior to regulation, water years 1931-68, 3,742 ft³/s

²Lowest daily mean for period of record, 1.0 ft³/s August 18 to September 1, 1954

³Maximum discharge for period of record, 120,000 ft³/s March 30, 1945, from rating curve extended above 93,000 ft³/s

^eEstimated



RED RIVER BASIN

07340300 COSSATOT RIVER NEAR VANDERVOORT
(Hydrologic benchmark station)

LOCATION.--Lat 34°22'48", long 94°14'11", 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WDR Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	1240	664	116	61	81	142	44	44	12	12	9.3
2	10	758	407	516	85	73	117	41	40	12	12	8.3
3	9.9	398	280	3030	123	70	102	40	35	12	12	7.9
4	10	285	210	3190	116	65	92	39	31	11	11	8.5
5	10	207	176	1180	105	61	89	38	33	11	11	7.6
6	9.7	158	157	557	328	57	209	36	31	11	12	7.2
7	12	123	329	446	850	56	194	35	31	11	12	6.9
8	187	95	287	363	421	54	163	120	36	11	13	6.4
9	99	76	235	285	285	51	141	179	32	11	13	6.3
10	131	66	187	228	181	49	123	101	29	11	13	6.2
11	215	93	149	192	157	47	160	74	26	39	12	6.1
12	90	91	128	170	140	45	165	59	24	39	11	6.0
13	56	79	109	566	139	44	142	49	23	28	9.8	5.9
14	42	70	92	288	118	43	122	53	21	23	9.7	6.8
15	33	63	e84	234	103	43	104	52	20	22	11	8.9
16	27	58	e64	189	94	47	92	42	18	28	13	10
17	24	56	61	151	83	43	82	37	24	23	20	9.6
18	26	325	58	125	76	41	75	35	28	27	16	8.3
19	48	360	55	111	74	43	70	33	22	21	13	7.3
20	40	233	51	101	76	40	67	32	19	19	11	6.8
21	31	172	51	92	79	95	63	30	18	17	9.9	6.4
22	28	142	73	82	71	315	65	28	17	16	9.5	6.0
23	132	1100	67	69	102	222	58	26	16	15	9.5	5.6
24	95	1950	59	64	136	161	51	27	15	14	10	12
25	63	716	59	62	122	130	49	42	14	14	10	414
26	51	396	61	61	109	167	69	34	13	13	11	80
27	5970	580	66	56	101	551	59	30	13	13	10	40
28	946	372	74	56	94	444	50	37	12	14	9.5	27
29	347	836	83	60	---	308	48	57	12	15	9.3	27
30	232	1110	86	54	---	229	51	70	12	14	10	20
31	450	---	97	61	---	173	---	55	---	13	11	---
TOTAL	9434.1	12208	4559	12755	4429	3848	3014	1575	709	540	357.2	788.3
MEAN	304	407	147	411	158	124	100	50.8	23.6	17.4	11.5	26.3
MAX	5970	1950	664	3190	850	551	209	179	44	39	20	414
MIN	9.5	56	51	54	61	40	48	26	12	11	9.3	5.6
AC-FT	18710	24210	9040	25300	8780	7630	5980	3120	1410	1070	709	1560
CFSM	3.40	4.54	1.64	4.59	1.77	1.39	1.12	0.57	0.26	0.19	0.13	0.29
IN.	3.92	5.07	1.89	5.30	1.84	1.60	1.25	0.65	0.29	0.22	0.15	0.33

RED RIVER BASIN

07340300 COSSATOT RIVER NEAR VANDERVOORT--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

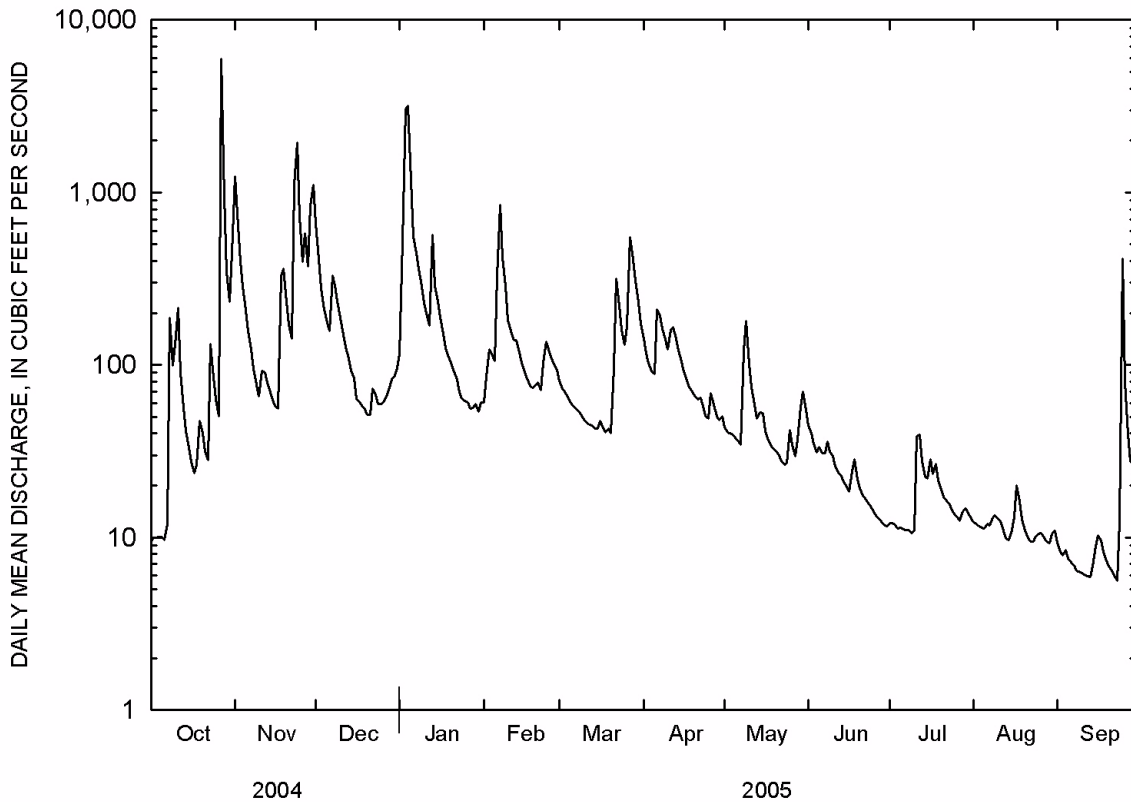
MEAN	125	230	312	224	252	334	263	234	139	79.2	26.6	56.1
MAX	899	878	1105	624	722	860	799	827	426	565	65.1	376
(WY)	1985	1997	1972	1969	2001	1973	1973	1968	1973	1994	1971	1974
MIN	11.2	19.8	25.6	24.2	65.3	61.5	32.2	24.5	11.5	11.4	9.57	10.7
(WY)	1979	1990	1990	1981	1996	1986	2003	1988	1972	1978	1972	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	58468.2		54216.6			
ANNUAL MEAN	160		149		190	
HIGHEST ANNUAL MEAN					358 1973	
LOWEST ANNUAL MEAN					86.3 1996	
HIGHEST DAILY MEAN	5970	Oct 27	5970	Oct 27	15800	Dec 9 1971
LOWEST DAILY MEAN	9.2	Sep 30	5.6	Sep 23	5.6	Sep 21 2000
ANNUAL SEVEN-DAY MINIMUM	9.7	Sep 28	6.2	Sep 8	5.8	Sep 16 2000
MAXIMUM PEAK FLOW			132800	Oct 27	132800	Oct 27 2004
MAXIMUM PEAK STAGE			19.68	Oct 27	19.68	Oct 27 2004
INSTANTANEOUS LOW FLOW			5.5	Sep 22-24	5.5	2Sep 17 2000
ANNUAL RUNOFF (AC-FT)	116000		107500		137300	
ANNUAL RUNOFF (CFSM)	1.78		1.66		2.11	

¹From rating curve extended above 11,000 ft³/s on basis of step-backwater computations

²Also September 21-22, 2000 and September 22-24, 2005

^eEstimated



RED RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L (00915)
OCT 2004 28...	0815	80513	80020	1030	30	754	13.4	146	6.7	25	19.0	6	1.44
JAN 2005 20...	0830	80513	80020	101	10	755	8.5	72	7.1	31	7.8	10	2.25
FEB 24...	0915	80513	80020	138	10	754	7.8	70	7.2	33	10.3	10	2.50
MAY 05...	1030	80513	80020	38	30	758	9.7	97	7.6	50	15.1	18	4.69
JUN 09...	0925	80513	80020	32	70	760	7.3	90	7.5	56	25.9	20	5.47
AUG 04...	0915	80513	80020	12	30	760	5.8	74	7.5	74	27.7	28	8.20

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 2004 28...	.668	.94	.2	1.30	27	1.57	<.1	2.6	26	1.9	<.04	.29	<.008
JAN 2005 20...	.945	.56	.2	1.63	26	1.56	<.1	3.1	27	<.10	<.04	.06	<.008
FEB 24...	.968	.55	.2	1.74	26	1.51	<.1	3.3	25	<.10	<.04	<.06	<.008
MAY 05...	1.45	.67	.2	1.90	18	1.63	<.1	3.0	45	<.10	<.04	<.06	<.008
JUN 09...	1.47	.70	.2	1.97	17	1.57	<.1	3.1	31	E.08	<.04	<.06	<.008
AUG 04...	1.85	.69	.2	2.09	14	1.78	E.1	3.4	50	.13	<.04	<.06	<.008

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC MF, col/100 mL (31625)	Fecal streptococci KF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004 28...	<.02	<.04	<.04	2.2	130	74	88	86	15	42	3070
JAN 2005 20...	<.02	<.04	<.04	--	E30	E19	E19	86	12	3.3	3044
FEB 24...	<.02	<.04	<.04	--	27	E14	35	100	2	.75	3044
MAY 05...	<.02	<.04	<.04	--	E2	E5	E6	64	2	.21	3070
JUN 09...	<.02	<.04	<.04	--	20	23	30	64	5	.43	3070
AUG 04...	<.02	<.04	<.04	--	E11	E12	--	83	4	.13	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

299

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 371, 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.--July 1963 to current year.

REVISED RECORDS.--WDR Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Water-discharge 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	90	697	103	346	354	348	21	33	24	25	22
2	264	203	834	128	196	336	215	19	25	25	22	22
3	256	642	786	946	226	239	198	18	29	24	21	18
4	238	651	749	5290	184	155	189	18	27	24	21	17
5	24	633	744	3400	190	123	188	17	25	24	21	17
6	12	618	781	1660	198	114	809	17	24	24	21	17
7	11	638	944	1350	782	109	382	16	23	24	21	18
8	26	605	709	1830	548	104	274	17	24	24	21	18
9	255	307	420	1420	758	100	214	70	23	24	22	18
10	232	156	373	1300	698	94	189	28	22	25	22	18
11	147	140	187	1240	618	92	184	22	22	33	21	18
12	28	141	162	1200	370	86	192	20	22	28	21	18
13	15	120	153	1370	378	82	172	19	22	28	21	18
14	13	110	131	603	381	78	156	18	22	26	21	18
15	11	107	137	1170	473	76	148	17	21	27	21	20
16	11	105	134	1210	449	73	97	17	21	32	22	23
17	10	104	132	1150	198	72	73	16	66	35	23	20
18	10	124	130	1140	117	71	69	16	85	32	22	18
19	10	192	128	1200	115	72	55	16	38	32	22	18
20	10	165	126	1190	126	71	36	16	30	28	22	18
21	9.8	161	125	1180	169	76	33	16	27	27	22	17
22	10	175	134	1160	147	128	31	15	26	26	22	17
23	11	304	174	1140	476	123	27	15	26	25	22	17
24	12	966	170	1120	629	129	23	15	25	25	22	22
25	14	468	156	1110	465	142	22	15	25	25	23	58
26	12	340	147	1100	421	136	32	15	25	25	23	47
27	12	629	144	1090	389	1080	35	15	24	27	22	24
28	28	639	123	693	376	950	25	16	24	37	22	20
29	39	638	107	464	---	746	22	35	24	38	22	19
30	27	699	104	462	---	639	21	181	24	29	22	19
31	30	---	103	494	---	546	---	72	---	46	22	---
TOTAL	1809.8	10870	9944	38913	10423	7196	4459	828	854	873	677	634
MEAN	58.4	362	321	1255	372	232	149	26.7	28.5	28.2	21.8	21.1
MAX	264	966	944	5290	782	1080	809	181	85	46	25	58
MIN	9.8	90	103	103	115	71	21	15	21	24	21	17
AC-FT	3590	21560	19720	77180	20670	14270	8840	1640	1690	1730	1340	1260

RED RIVER BASIN

07341200 SALINE RIVER NEAR LOCKESBURG--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	158	359	647	542	633	765	549	475	348	197	48.7	54.3
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	96.6	26.7	22.3	15.8	14.4	8.03
(WY)	1978	1996	1990	1996	1996	1996	2003	2005	1988	1978	2002	1981

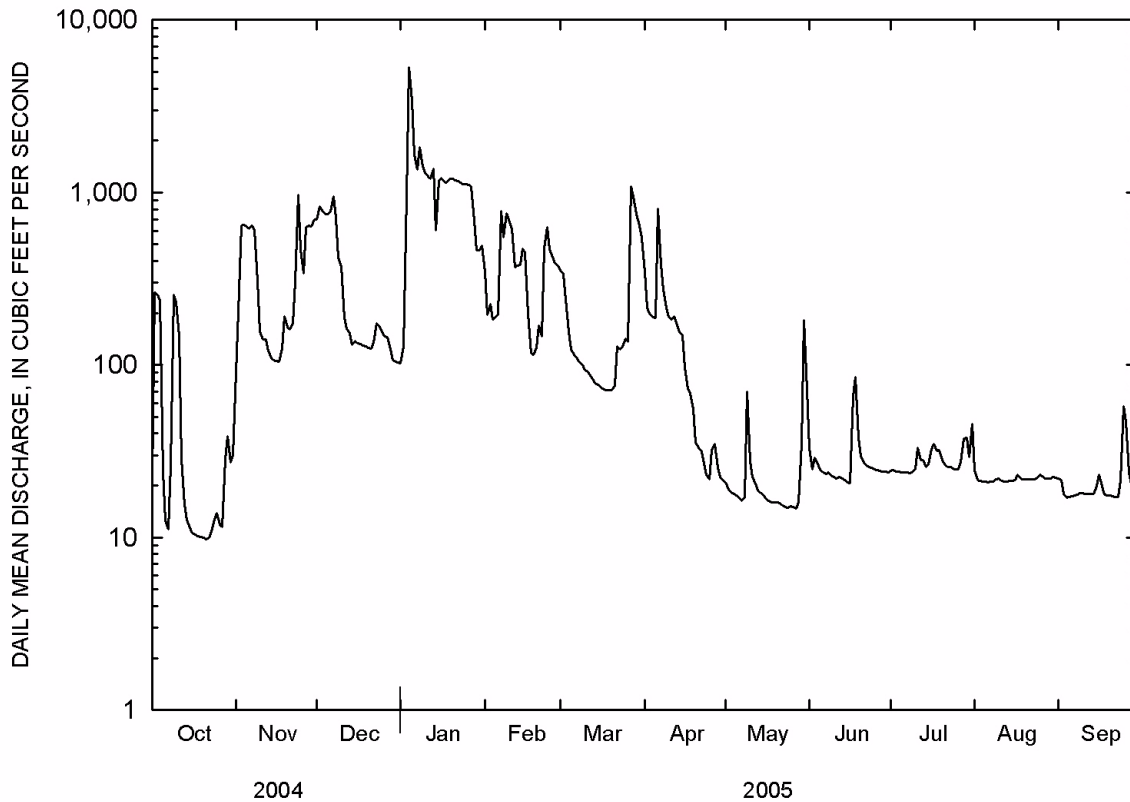
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL TOTAL	104974.8		87480.8			
ANNUAL MEAN	287		240		¹ 397	
HIGHEST ANNUAL MEAN					733 1983	
LOWEST ANNUAL MEAN					87.0 1996	
HIGHEST DAILY MEAN	4520	Feb 5	5290	Jan 4	36800	Dec 3 1982
LOWEST DAILY MEAN	9.8	Oct 21	9.8	Oct 21	2.3	Oct 16 1977
ANNUAL SEVEN-DAY MINIMUM	10	Oct 16	10	Oct 16	2.4	Oct 14 1977
MAXIMUM PEAK FLOW			59600	Jan 4	² 59600	Dec 3 1982
MAXIMUM PEAK STAGE			15.95	Jan 4	³ 20.52	Dec 3 1982
INSTANTANEOUS LOW FLOW			9.6	Oct 21	⁴	
ANNUAL RUNOFF (AC-FT)	208200		173500		287600	
10 PERCENT EXCEEDS	700		745		1000	
50 PERCENT EXCEEDS	147		47		115	
90 PERCENT EXCEEDS	17		17		16	

¹Prior to regulation, water years 1963-74, 382 ft³/s

²Maximum discharge for period of record 64,700 ft³/s May 14, 1968, from rating extended above 23,000 ft³/s on basis of contracted-opening measurement of peak flow

³Maximum gage height for period of record 20.86 ft May 14, 1968

⁴Minimum discharge for period of record, 0.20 ft³/s Nov. 6, 1963, and Oct. 29, 1969



RED RIVER BASIN

301

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 mi².

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WDR Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft above NGVD of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941, to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. As of August 1977, flow from 34.3 mi² upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,355 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	5660	3730	e347	308	352	681	220	221	29	e27	e21
2	23	4550	2360	e550	364	320	587	201	187	28	e25	e19
3	23	2850	1730	e6200	493	328	494	181	146	28	e22	e17
4	22	2250	1310	14700	456	322	426	171	135	28	e22	e16
5	20	1620	1070	5170	410	296	386	165	120	28	e19	e15
6	20	1220	1050	4730	417	272	627	153	105	e27	e18	e15
7	21	950	1560	3040	1190	257	689	142	94	e27	e19	e15
8	760	750	e1270	2310	1160	245	597	134	84	27	e25	e14
9	1220	604	e1050	1790	952	233	497	181	79	27	e28	e14
10	744	509	915	1470	794	220	440	276	75	27	e27	e14
11	1420	727	760	1260	673	210	442	194	70	26	e15	e14
12	929	737	654	1100	591	198	503	154	74	38	e11	e14
13	555	557	568	2300	560	188	427	134	69	39	e9.6	e14
14	386	472	484	1840	544	179	371	124	61	52	e12	e17
15	283	413	424	1370	474	177	328	122	54	48	e20	e32
16	224	370	389	1110	410	190	294	141	50	54	e19	e38
17	179	336	362	922	353	193	266	128	69	54	e30	e30
18	154	821	328	791	312	182	244	111	67	43	e20	e25
19	153	1910	300	696	290	179	225	98	58	38	e18	e21
20	167	1240	274	625	278	177	210	91	59	35	e16	e22
21	149	975	258	560	276	197	196	84	55	33	e14	26
22	131	984	352	500	272	844	264	78	48	46	e20	26
23	213	3180	446	435	319	832	477	74	44	48	e22	26
24	372	8630	383	387	516	642	320	71	39	e34	e23	30
25	363	3620	342	358	454	544	267	80	37	e30	e85	194
26	291	2230	333	335	408	745	283	325	36	e28	e36	370
27	3840	3560	347	309	385	2550	339	191	33	e65	e27	199
28	9820	2460	e358	291	369	2040	285	137	32	e235	e25	120
29	2220	4280	e378	305	---	1390	242	130	30	e84	e24	92
30	2060	7370	e381	298	---	1040	228	143	29	e42	e30	68
31	4180	---	e363	294	---	812	---	174	---	e32	e23	---
TOTAL	30965	65835	24529	56393	14028	16354	11635	4608	2260	1380	731.6	1538
MEAN	999	2194	791	1819	501	528	388	149	75.3	44.5	23.6	51.3
MAX	9820	8630	3730	14700	1190	2550	689	325	221	235	85	370
MIN	20	336	258	291	272	177	196	71	29	26	9.6	14
AC-FT	61420	130600	48650	111900	27820	32440	23080	9140	4480	2740	1450	3050

RED RIVER BASIN

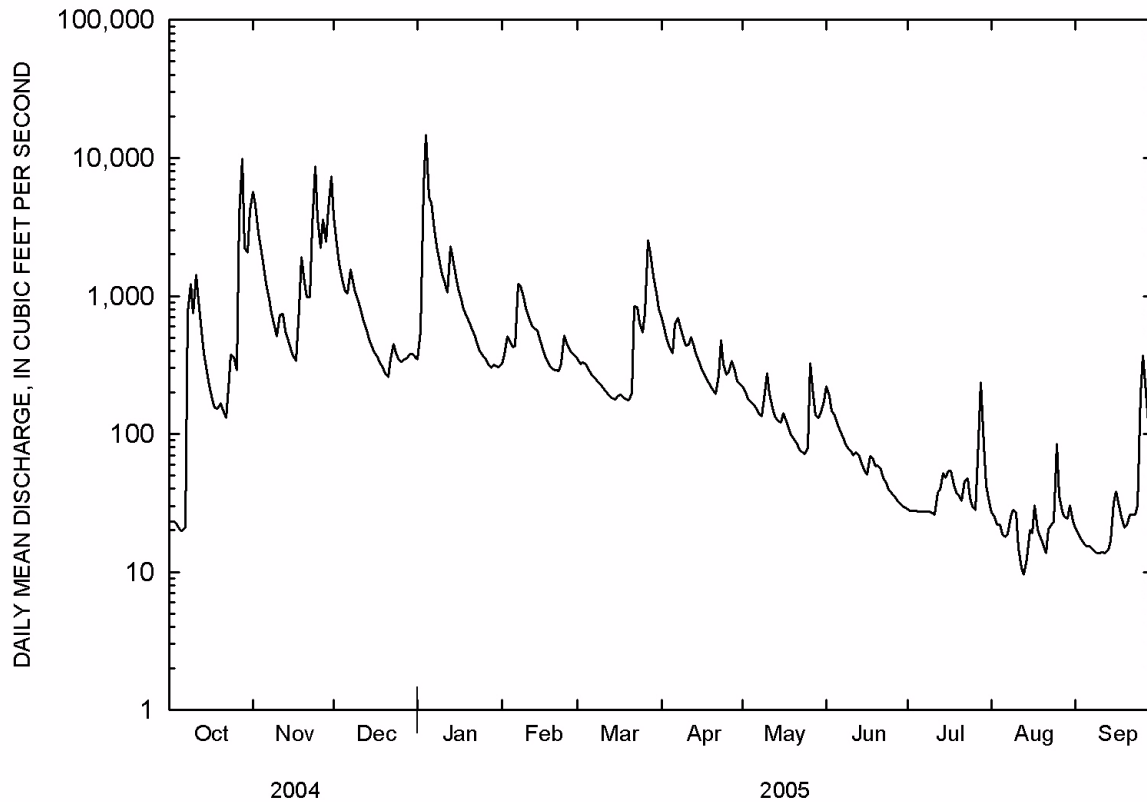
07356000 OUACHITA RIVER NEAR MOUNT IDA--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

MEAN	374	755	1058	905	1130	1315	1090	1074	518	234	88.8	193
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	193	102	28.6	13.9	6.33	5.45
(WY)	1957	1964	1964	1964	1963	1972	2003	1977	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1942 - 2005	
ANNUAL TOTAL	306519		230256.6			
ANNUAL MEAN	837		631		726	
HIGHEST ANNUAL MEAN					1499 1945	
LOWEST ANNUAL MEAN					263 1963	
HIGHEST DAILY MEAN	10400	Mar 18	14700	Jan 4	79800	Dec 3 1982
LOWEST DAILY MEAN	20	Oct 5	9.6	Aug 13	2.5	Aug 25 1954
ANNUAL SEVEN-DAY MINIMUM	22	Oct 1	14	Sep 7	2.8	Aug 19 1954
MAXIMUM PEAK FLOW			20900	Oct 28	102000	Dec 3 1982
MAXIMUM PEAK STAGE			18.87	Oct 28	¹ 39.78	Dec 3 1982
INSTANTANEOUS LOW FLOW					2.3	Aug 25 1954
ANNUAL RUNOFF (AC-FT)	608000		456700		525800	
10 PERCENT EXCEEDS	1800		1400		1590	
50 PERCENT EXCEEDS	370		242		249	
90 PERCENT EXCEEDS	30		22		32	

¹From floodmark
^eEstimated



RED RIVER BASIN

303

07359002 OUACHITA RIVER AT REMMEL DAM ABOVE JONES MILL

LOCATION.--Lat 34°25'35", long 92°53'27", in SW1/4NW1/4 sec.36, T.3 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at right bank 1,000 ft downstream from Rammel Dam and 0.8 mi above Jones Mill.

DRAINAGE AREA.--1,550 mi².

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 Rammel Dam, near Malvern" January 1925 to March 1937, as "near Malvern (07359500)" April 1937 to September 1991, as "below Rammel Dam at Jones Mill" October 1991 to September 2002.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WDR Ark. 1979: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 248.16 ft above NGVD of 1929. March 1903 to April 1905, nonrecording gage 5.8 mi downstream at datum 18.11 ft lower. June 1922 to September 1924, nonrecording gage 5.8 mi downstream at datum 20.11 ft lower. January 1925 to March 1937, water-stage recorder at Rammel Dam at present datum. April 1937 to September 1991 water-stage recorder 5.8 mi downstream at datum 20.11 ft lower. October 1991 to September 2002, water-stage recorder 0.8 mi downstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	955	8490	5020	3750	4810	3920	590	423	1320	2450	1520	203
2	293	5890	8950	3660	4810	3940	430	327	363	1670	1530	202
3	290	2790	7130	6240	4630	3950	431	275	306	1810	1910	778
4	293	1600	7250	11100	4520	1160	996	276	802	1780	1570	716
5	293	1520	7190	9750	4520	487	713	276	761	2960	1220	719
6	385	2740	8680	11600	4530	484	1070	275	273	2270	1730	207
7	301	5150	8460	11400	5380	633	990	274	273	1990	1680	805
8	4150	3430	7510	10200	5570	636	754	275	275	1910	740	931
9	2260	3910	6370	8070	5540	536	630	272	2010	1900	906	1050
10	943	3010	7090	8050	4630	558	1830	896	1850	1800	911	1010
11	1730	3900	7240	8010	4320	563	1340	627	778	1780	895	203
12	820	3400	7360	7710	4850	563	565	933	813	2190	1080	792
13	293	1940	7240	7210	4350	692	404	279	1600	1760	858	931
14	968	312	6690	7290	3670	561	399	465	1650	1740	661	913
15	291	311	6550	7300	3670	581	398	276	1810	1930	217	228
16	290	311	5590	7290	3700	578	1040	616	1820	2220	332	1180
17	292	1440	3600	7270	3740	577	397	277	2570	2480	573	1270
18	2880	1800	3780	6970	3740	578	396	277	817	2210	217	1440
19	910	2630	3780	6600	1740	555	397	276	880	1970	217	472
20	1130	406	3180	6540	396	551	393	1000	1940	1930	736	309
21	782	1190	3780	5780	3850	765	572	277	1740	715	731	228
22	1670	2440	6210	6420	3920	3670	391	275	1800	1770	214	228
23	1380	6490	3760	7140	3820	859	1380	272	1950	1690	210	4330
24	1770	10400	3500	6050	3840	862	1100	439	1590	1710	264	1870
25	497	6260	2640	6190	3860	2390	1390	1120	823	1520	226	2860
26	495	7100	2810	5410	608	3600	1060	274	993	1530	211	1000
27	2530	8050	3050	3770	381	7740	426	274	1900	1520	1700	225
28	2080	7220	3620	5050	3810	3260	424	815	1900	2070	728	222
29	2300	5480	3390	4700	---	2750	423	1110	1820	1560	214	218
30	4520	5680	3760	4520	---	1080	423	822	1940	1810	209	216
31	7040	---	3670	4870	---	2120	---	273	---	1690	208	---
MEAN	1446	3843	5447	6965	3829	1652	725	469	1312	1882	788	859
MAX	7040	10400	8950	11600	5570	7740	1830	1120	2570	2960	1910	4330
MIN	290	311	2640	3660	381	484	391	272	273	715	208	202
MED	943	3210	5590	6970	3890	692	569	277	1600	1810	731	749
AC-FT	88920	228700	334900	428300	212600	101600	43150	28850	78080	115700	48430	51090

RED RIVER BASIN

07359002 OUACHITA RIVER AT REMMEL DAM ABOVE JONES MILL--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

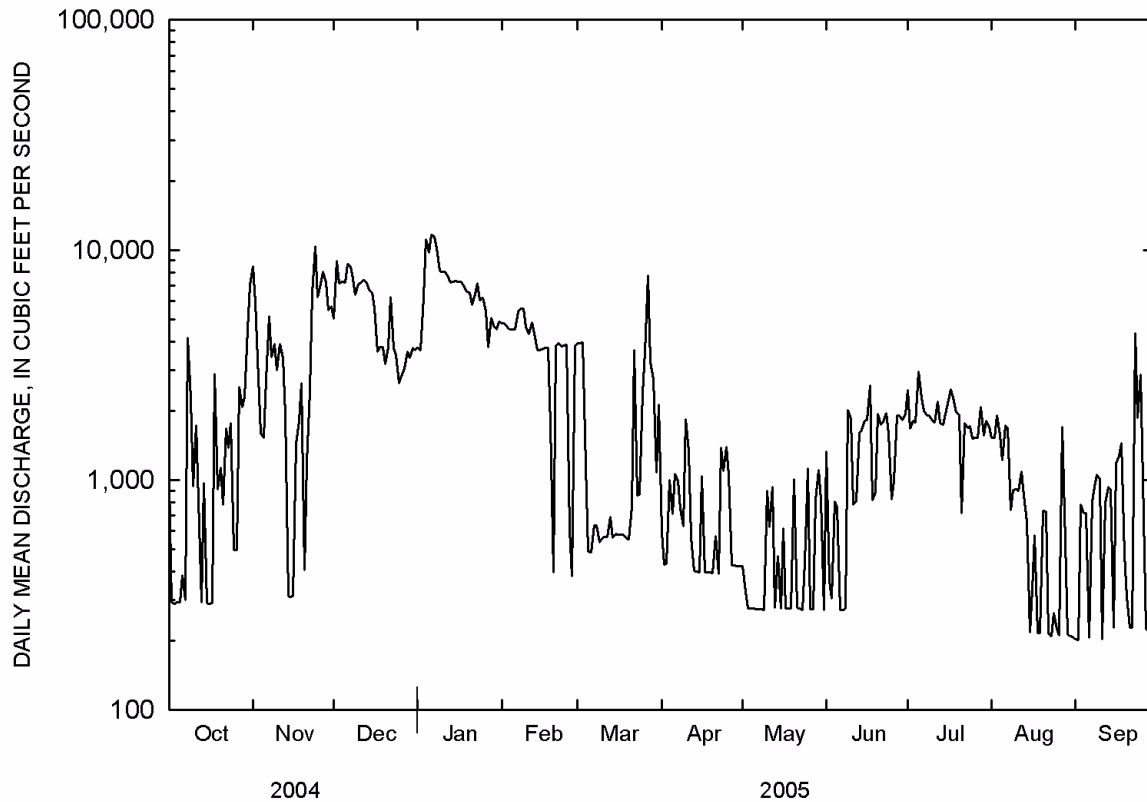
MEAN	1297	2172	3221	3743	3410	3382	3524	3349	1856	1265	1149	1134
MAX	6425	9717	13790	13560	11880	17230	13620	12550	9436	3602	2850	4224
(WY)	1985	1985	1983	1949	1950	1945	1952	1946	1974	1967	1966	1950
MIN	126	97.1	395	87.1	417	442	403	263	161	98.2	93.5	95.7
(WY)	1933	1944	1940	1931	1936	1966	1963	1936	1934	1930	1930	1943

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL MEAN	2669		2431		2454	
HIGHEST ANNUAL MEAN					5209 1973	
LOWEST ANNUAL MEAN					746 1954	
HIGHEST DAILY MEAN	10400	Nov 24	11600	Jan 6	104000	Mar 30 1945
LOWEST DAILY MEAN	287	Sep 29	202	Sep 2	39	Jun 22 1929
ANNUAL SEVEN-DAY MINIMUM	308	Sep 24	275	May 3	58	Nov 13 1943
MAXIMUM PEAK FLOW			17400	Nov 1	¹ 166000	May 20 1990
MAXIMUM PEAK STAGE			12.77	Nov 1	^{2,3} 30.30	May 15 1923
INSTANTANEOUS LOW FLOW			131	Mar 30	6.0	Jan 19 2000
ANNUAL RUNOFF (AC-FT)	1938000		1760000		1778000	
10 PERCENT EXCEEDS	5720		6570		5640	
50 PERCENT EXCEEDS	2180		1560		1470	
90 PERCENT EXCEEDS	398		276		287	

¹From rating curve extended above 120,000 ft³/s on basis of computations of peak flow over Remmel Dam, 0.8 mi upstream, adjusted for flow from intervening area

²From floodmark

³Maximum gage height for period of record at different site and datum



RED RIVER BASIN

305

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 mi².

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 NGVD of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	2110	801	273	147	169	228	83	137	34	41	32
2	34	1230	544	365	194	155	200	80	127	37	38	29
3	33	907	423	3420	211	156	181	81	90	34	36	28
4	34	650	357	3840	201	136	170	79	77	32	34	28
5	35	462	321	2260	194	128	161	76	70	32	33	26
6	33	373	302	1760	332	122	270	74	66	39	32	26
7	36	312	436	1060	940	117	222	72	63	36	33	25
8	272	262	365	764	529	112	195	72	63	33	34	25
9	321	221	324	531	404	108	179	80	60	31	36	25
10	276	194	287	429	328	104	168	74	57	34	36	25
11	422	269	254	372	282	100	285	70	54	43	32	25
12	293	238	233	328	257	97	263	65	54	41	29	25
13	187	203	205	586	246	96	222	62	50	42	28	25
14	136	179	182	422	222	93	196	69	47	37	27	27
15	110	157	163	355	201	92	176	72	45	40	36	42
16	91	143	153	310	187	93	153	62	44	53	35	45
17	81	134	144	277	171	91	134	60	56	45	41	37
18	153	536	138	251	149	88	124	57	60	46	35	33
19	221	563	129	234	144	90	117	56	50	43	31	30
20	143	406	122	218	142	86	113	54	46	39	29	29
21	115	342	129	205	156	110	109	52	43	41	28	28
22	103	304	411	194	133	174	115	50	42	44	32	27
23	141	1860	348	175	241	145	103	49	41	36	33	26
24	137	2130	303	159	264	130	96	53	39	33	34	46
25	119	811	280	153	229	127	94	67	38	31	95	739
26	109	519	268	147	207	190	107	57	37	30	45	234
27	2200	522	277	138	194	806	95	53	37	63	38	122
28	1120	424	291	142	183	523	88	56	38	231	35	92
29	484	1100	321	152	---	373	88	111	35	81	35	94
30	456	1420	302	137	---	303	92	101	33	55	41	71
31	1010	---	289	155	---	255	---	74	---	45	34	---
TOTAL	8937	18981	9102	19812	7088	5369	4744	2121	1699	1461	1126	2066
MEAN	288	633	294	639	253	173	158	68.4	56.6	47.1	36.3	68.9
MAX	2200	2130	801	3840	940	806	285	111	137	231	95	739
MIN	32	134	122	137	133	86	88	49	33	30	27	25
AC-FT	17730	37650	18050	39300	14060	10650	9410	4210	3370	2900	2230	4100
CFSM	2.12	4.65	2.16	4.70	1.86	1.27	1.16	0.50	0.42	0.35	0.27	0.51
IN.	2.44	5.19	2.49	5.42	1.94	1.47	1.30	0.58	0.46	0.40	0.31	0.57

RED RIVER BASIN

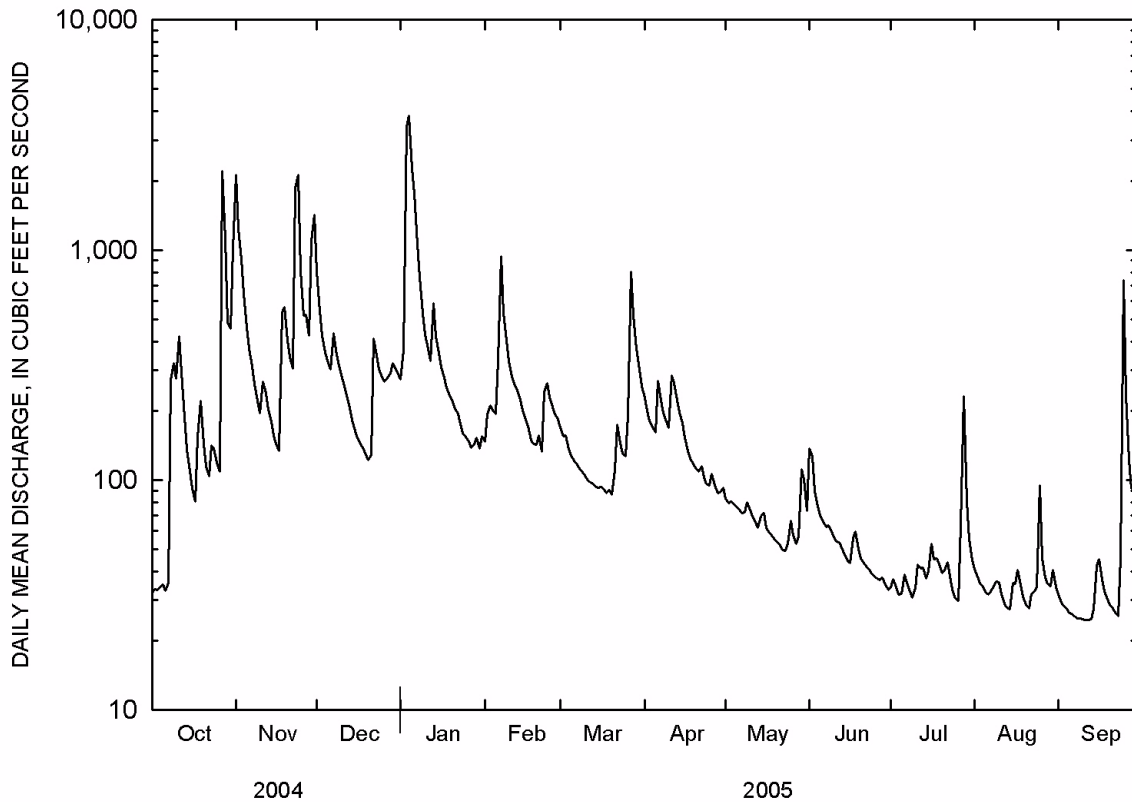
07359610 CADDO RIVER NEAR CADDO GAP--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	172	365	439	378	378	407	297	323	195	104	59.4	74.8
MAX	405	1149	1289	799	979	886	578	1176	599	266	203	177
(WY)	1994	1997	1994	1994	2001	1990	1991	1990	2000	1995	1994	1994
MIN	38.3	52.5	50.9	76.4	112	173	95.6	68.4	56.6	39.0	26.9	33.4
(WY)	2001	1990	1990	2000	1996	2005	2003	2005	2005	1998	2000	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	111945		82506			
ANNUAL MEAN	306		226		265	
HIGHEST ANNUAL MEAN					389 1994	
LOWEST ANNUAL MEAN					157 1996	
HIGHEST DAILY MEAN	8210	Mar 18	3840	Jan 4	28600	Dec 3 1993
LOWEST DAILY MEAN	30	Sep 20	25	Sep 7	24	Aug 27 2000
ANNUAL SEVEN-DAY MINIMUM	31	Sep 18	25	Sep 7	24	Sep 16 2000
MAXIMUM PEAK FLOW			7910	Jan 3	¹ 97200	Dec 3 1993
MAXIMUM PEAK STAGE			12.58	Jan 3	26.27	Dec 3 1993
INSTANTANEOUS LOW FLOW			24	Sep 11	23	at times
ANNUAL RUNOFF (AC-FT)	222000		163700		192300	
ANNUAL RUNOFF (CFSM)	2.25		1.66		1.95	
ANNUAL RUNOFF (INCHES)	30.62		22.57		26.51	
10 PERCENT EXCEEDS	559		426		484	
50 PERCENT EXCEEDS	182		113		117	
90 PERCENT EXCEEDS	36		33		41	

¹From rating curve extended above 10,000 ft³/s on basis of slope-conveyance study



RED RIVER BASIN

307

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 mi².

PERIOD OF RECORD.--October 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.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e17	e1440	569	104	62	87	110	36	47	16	19	12
2	e18	e800	356	589	75	79	90	34	45	18	17	11
3	e18	e560	237	4880	91	74	77	34	39	17	16	11
4	e18	e440	167	3810	89	69	70	33	35	15	15	11
5	e19	e350	130	1380	85	65	67	32	35	15	14	10
6	e17	e310	113	1120	366	61	95	31	34	16	14	10
7	e15	e260	206	763	1100	60	86	30	31	16	14	10
8	202	e205	192	619	587	58	78	41	30	15	15	9.8
9	96	e170	159	464	384	56	72	57	29	14	16	9.8
10	88	e140	127	344	252	54	68	42	27	17	14	9.8
11	144	e200	106	261	179	53	74	37	26	26	13	9.7
12	75	e185	93	204	143	51	70	32	24	19	12	10
13	53	e150	84	631	134	51	65	30	22	18	12	9.5
14	42	e130	74	456	112	49	61	34	22	21	12	12
15	36	e110	70	314	97	49	56	34	21	35	13	23
16	31	e100	67	227	89	49	53	29	21	41	15	19
17	28	e110	65	166	80	48	50	28	33	25	20	15
18	28	369	62	132	75	46	48	27	28	23	16	13
19	41	471	61	114	73	48	47	26	23	21	13	12
20	37	316	59	102	76	45	46	25	21	19	13	12
21	33	232	59	93	76	61	44	24	20	18	12	11
22	31	183	88	85	71	190	47	23	19	17	11	10
23	51	1270	84	75	126	166	44	23	19	19	11	10
24	56	1450	77	70	186	120	40	23	18	16	13	25
25	47	625	76	68	151	99	39	41	18	15	19	629
26	42	362	77	66	127	117	49	29	17	14	17	78
27	e1460	264	84	63	113	517	43	26	16	30	14	45
28	e670	177	89	63	101	433	38	28	16	68	13	33
29	e380	385	99	64	---	293	38	73	16	32	13	26
30	e370	803	98	60	---	195	40	66	16	25	13	22
31	e800	---	98	65	---	136	---	51	---	21	12	---
TOTAL	4963	12567	3926	17452	5100	3479	1805	1079	768	682	441	1128.6
MEAN	160	419	127	563	182	112	60.2	34.8	25.6	22.0	14.2	37.6
MAX	1460	1450	569	4880	1100	517	110	73	47	68	20	629
MIN	15	100	59	60	62	45	38	23	16	14	11	9.5
AC-FT	9840	24930	7790	34620	10120	6900	3580	2140	1520	1350	875	2240
CFSM	2.34	6.12	1.85	8.23	2.66	1.64	0.88	0.51	0.37	0.32	0.21	0.55
IN.	2.70	6.83	2.14	9.49	2.77	1.89	0.98	0.59	0.42	0.37	0.24	0.61

RED RIVER BASIN

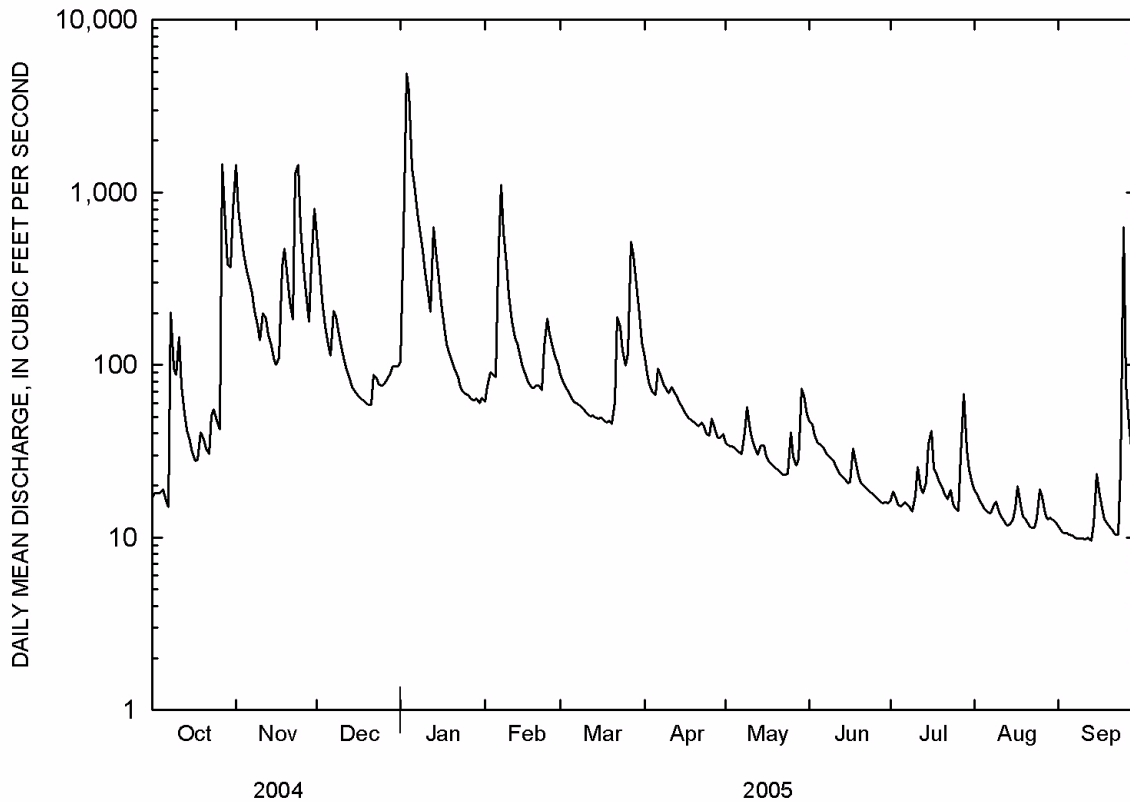
07360200 LITTLE MISSOURI RIVER NEAR LANGLEY--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	84.3	173	241	210	244	194	157	146	126	45.0	20.5	32.9
MAX	177	419	468	563	511	338	313	239	352	123	35.6	60.5
(WY)	1999	2005	2002	2005	2001	2002	1999	2001	2000	2004	2004	2003
MIN	18.4	26.3	124	64.0	162	112	54.7	34.8	25.6	21.9	12.5	14.9
(WY)	2004	2003	2004	2000	1999	2005	2003	2005	2005	2001	2000	2002

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	56629		53390.6			
ANNUAL MEAN	155		146		139	
HIGHEST ANNUAL MEAN					168 2001	
LOWEST ANNUAL MEAN					105 2003	
HIGHEST DAILY MEAN	2000	Apr 24	4880	Jan 3	4880	Jan 3 2005
LOWEST DAILY MEAN	15	Oct 7	9.5	Sep 13	7.4	Sep 22 2000
ANNUAL SEVEN-DAY MINIMUM	17	Sep 27	9.8	Sep 7	7.8	Sep 16 2000
MAXIMUM PEAK FLOW			12100	Oct 27	^{1,2} 23200	Mar 8 1990
MAXIMUM PEAK STAGE			12.58	Oct 27	17.34	Mar 8 1990
INSTANTANEOUS LOW FLOW			8.7	Sep 13-14,22	5.4	Aug 30 2000
ANNUAL RUNOFF (AC-FT)	112300		105900		100600	
ANNUAL RUNOFF (CFSM)	2.26		2.14		2.03	
ANNUAL RUNOFF (INCHES)	30.80		29.04		27.58	
10 PERCENT EXCEEDS	353		352		296	
50 PERCENT EXCEEDS	84		49		59	
90 PERCENT EXCEEDS	28		14		17	

¹Occurred during computation of annual maximum only, water years 1989-98
²From rating curve extended above 2,300 ft³/s on basis of slope-conveyance study
^eEstimated



RED RIVER BASIN

309

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 mi².

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WDR Ark. 1973: 1972. WDR Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft above NGVD of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	2720	1220	103	165	215	378	99	80	0.89	4.0	1.4
2	0.00	2260	764	148	191	183	326	72	53	0.88	4.1	1.2
3	0.00	1110	543	2060	224	168	281	54	35	0.81	3.2	1.1
4	0.00	789	407	6520	189	152	250	45	26	0.79	2.5	1.1
5	0.00	503	447	2260	175	134	231	39	19	0.84	2.0	1.0
6	0.00	361	665	3220	176	121	627	34	15	0.71	1.7	1.0
7	0.00	271	1090	2520	595	111	469	29	13	0.44	1.5	0.96
8	3.3	204	710	1880	552	104	353	24	17	0.03	1.2	0.99
9	179	155	524	1070	417	96	294	22	12	0.23	1.2	0.56
10	173	128	396	780	322	92	258	20	9.1	0.60	1.2	0.06
11	606	191	292	616	269	86	327	20	7.2	0.47	0.95	0.28
12	397	212	241	493	233	77	398	18	6.0	0.37	0.51	0.27
13	190	137	196	905	225	69	290	16	5.3	0.70	1.3	0.01
14	106	112	154	593	204	62	246	14	8.1	0.91	1.3	0.08
15	68	95	131	454	170	55	216	12	16	0.94	2.5	0.20
16	49	85	120	381	150	50	193	9.6	14	0.93	2.3	0.67
17	34	79	112	326	129	48	172	7.4	12	1.4	2.0	0.99
18	24	946	101	283	115	45	153	6.3	9.7	2.9	2.3	1.1
19	18	1230	91	255	109	46	136	5.8	5.1	41	1.9	1.1
20	14	620	82	230	133	51	119	5.2	4.0	25	1.7	1.1
21	12	498	77	208	152	54	106	4.7	5.0	14	1.6	1.0
22	11	429	96	184	150	446	161	4.1	4.3	8.4	1.7	0.98
23	599	1390	179	154	648	268	224	3.7	4.0	5.8	1.5	0.94
24	421	3120	122	137	815	183	143	3.5	3.8	5.4	1.6	4.3
25	211	1150	101	133	488	147	108	4.6	4.3	15	1.7	183
26	136	710	97	127	365	1150	118	3.8	2.9	9.0	1.1	129
27	1770	786	106	114	301	3500	196	3.7	1.1	5.3	1.1	80
28	1600	592	110	106	267	1760	133	4.8	1.1	5.7	1.5	39
29	589	767	108	123	---	926	95	79	1.0	4.2	5.8	31
30	681	2210	107	124	---	634	85	225	0.95	2.8	3.4	29
31	799	---	105	144	---	463	---	138	---	2.7	1.8	---
TOTAL	8690.30	23860	9494	26651	7929	11496	7086	1027.2	394.95	159.14	62.16	513.39
MEAN	280	795	306	860	283	371	236	33.1	13.2	5.13	2.01	17.1
MAX	1770	3120	1220	6520	815	3500	627	225	80	41	5.8	183
MIN	0.00	79	77	103	109	45	85	3.5	0.95	0.03	0.51	0.01
AC-FT	17240	47330	18830	52860	15730	22800	14060	2040	783	316	123	1020
CFSM	1.57	4.47	1.72	4.83	1.59	2.08	1.33	0.19	0.07	0.03	0.01	0.10
IN.	1.82	4.99	1.98	5.57	1.66	2.40	1.48	0.21	0.08	0.03	0.01	0.11

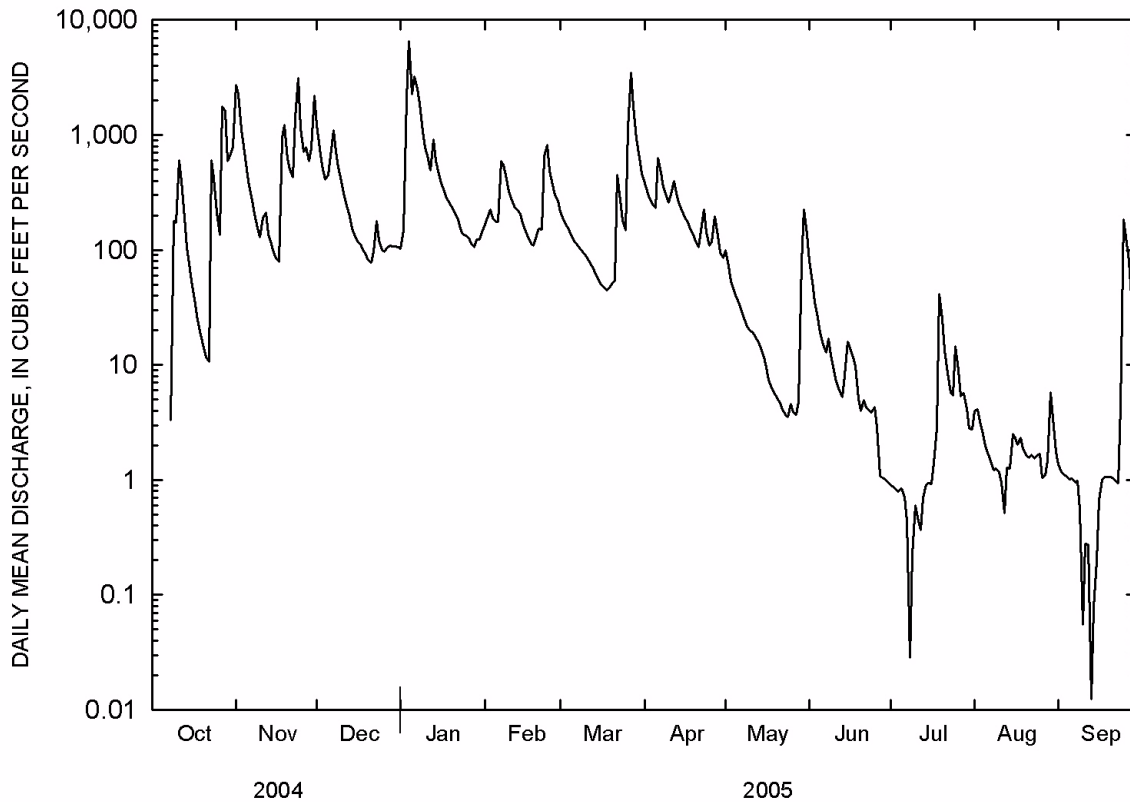
RED RIVER BASIN

07361500 ANTOINE RIVER AT ANTOINE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

MEAN	106	298	438	363	460	524	443	393	190	89.9	34.6	35.2
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	0.00	0.37	1.48	21.4	76.3	74.0	32.7	15.1	3.34	0.13	0.01	0.02
(WY)	1957	1957	1966	1966	1963	1972	1972	1988	1966	1998	1956	1956

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1955 - 2005	
ANNUAL TOTAL	117296.38		97363.14			
ANNUAL MEAN	320		267		280	
HIGHEST ANNUAL MEAN					551 1973	
LOWEST ANNUAL MEAN					109 1971	
HIGHEST DAILY MEAN	4340	Feb 5	6520	Jan 4	20500	May 2 1958
LOWEST DAILY MEAN	0.00	Sep 12	0.00	Oct 1	0.00	Aug 4 1956
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 12	0.00	Oct 1	0.00	Aug 4 1956
MAXIMUM PEAK FLOW			9610	Jan 4	35500	May 2 1958
MAXIMUM PEAK STAGE			21.17	Jan 4	28.75	May 2 1958
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	232700		193100		203000	
ANNUAL RUNOFF (CFSM)	1.80		1.50		1.57	
ANNUAL RUNOFF (INCHES)	24.51		20.35		21.39	
10 PERCENT EXCEEDS	768		655		603	
50 PERCENT EXCEEDS	171		95		68	
90 PERCENT EXCEEDS	0.77		0.97		1.3	



RED RIVER BASIN

311

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 current year. 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 NGVD of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, non-recording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, non-recording gage at site 0.4 mi downstream at present datum. Aug. 10, 1938, to May 31, 1949, supplementary non-recording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--Water-discharge records good except discharges above 20,900 ft³/s and below 1,960 ft³/s and estimated daily discharges, which are fair. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	8990	22300	7990	8740	5550	7830	1680	3470	2230	2010	1220
2	1280	12900	24000	7970	10100	7370	6010	1560	2340	2310	1930	1360
3	1620	18800	25400	7850	12000	7660	4430	1520	2380	2640	1840	1450
4	1470	18600	26600	11400	12800	7530	3600	1450	2380	1930	1970	1470
5	1050	14700	24600	18600	12000	6420	3130	1370	2040	1910	2240	1440
6	1000	10700	20200	23900	11000	3970	3260	1330	2100	1930	2030	1370
7	978	7570	19600	27200	10000	2870	4860	1310	1780	3040	1850	1250
8	1870	7290	21500	31800	14100	2390	5790	1330	1360	2930	1770	1220
9	1830	7060	22800	37000	18000	2700	4830	1440	1260	2790	1830	1290
10	5690	5940	21600	40600	18000	3130	4020	1270	1270	2740	1370	1520
11	4300	5740	19500	41100	16300	2950	3800	1210	2270	2280	1460	1610
12	4290	6900	17300	37600	13300	2900	9160	1350	2650	2270	1540	1430
13	4670	7800	14600	32500	11300	2650	12500	1400	1700	2580	1540	1130
14	3410	7210	12600	29900	9990	2170	10900	1480	1430	2840	1590	1080
15	2170	5380	12100	28900	8240	1740	8660	1280	1810	2690	1380	1400
16	2070	3710	11600	27400	7970	1540	6660	1210	2140	2580	1260	1600
17	1600	2910	11200	24600	7880	1420	4940	1170	2370	2700	1110	1380
18	1450	2540	9630	21300	7620	1390	3890	1210	2750	3270	1170	1370
19	1290	4380	8050	18700	7430	1380	2770	1140	3110	3160	1340	1610
20	2490	7230	6540	17000	6840	1400	2280	1090	1650	3140	1300	1590
21	1910	7180	5500	15600	4400	1510	2420	1050	1450	2980	1150	1220
22	1730	5190	6640	14300	4300	1730	2370	1350	1920	2870	1070	1160
23	1620	5820	10000	13000	7360	3970	2340	1230	2230	2060	1150	1230
24	2750	13300	13400	13000	10400	5130	2650	1090	2350	e2150	1120	1370
25	3860	22900	12500	12700	14700	3950	2750	1100	2280	e1650	1100	e2920
26	3740	30500	11200	11900	15100	3490	2400	1190	2100	1600	1150	e3500
27	2380	32100	9270	11600	11600	4330	2660	1450	1440	1750	1140	e3450
28	2790	30400	8480	9360	6890	13500	2470	1250	1460	2180	1160	e2220
29	8020	25600	8220	8940	---	18400	2170	1350	1870	2290	1690	1660
30	6350	21000	8210	8930	---	17000	1850	1890	2170	2440	1700	1380
31	6380	---	8150	8400	---	12400	---	3860	---	2140	1340	---
TOTAL	87248	360340	453290	621040	298360	154540	137400	43610	61530	76070	46300	47900
MEAN	2814	12010	14620	20030	10660	4985	4580	1407	2051	2454	1494	1597
MAX	8020	32100	26600	41100	18000	18400	12500	3860	3470	3270	2240	3500
MIN	978	2540	5500	7850	4300	1380	1850	1050	1260	1600	1070	1080
AC-FT	173100	714700	899100	1232000	591800	306500	272500	86500	122000	150900	91840	95010

RED RIVER BASIN

07362000 OUCHITA RIVER AT CAMDEN--CONTINUED

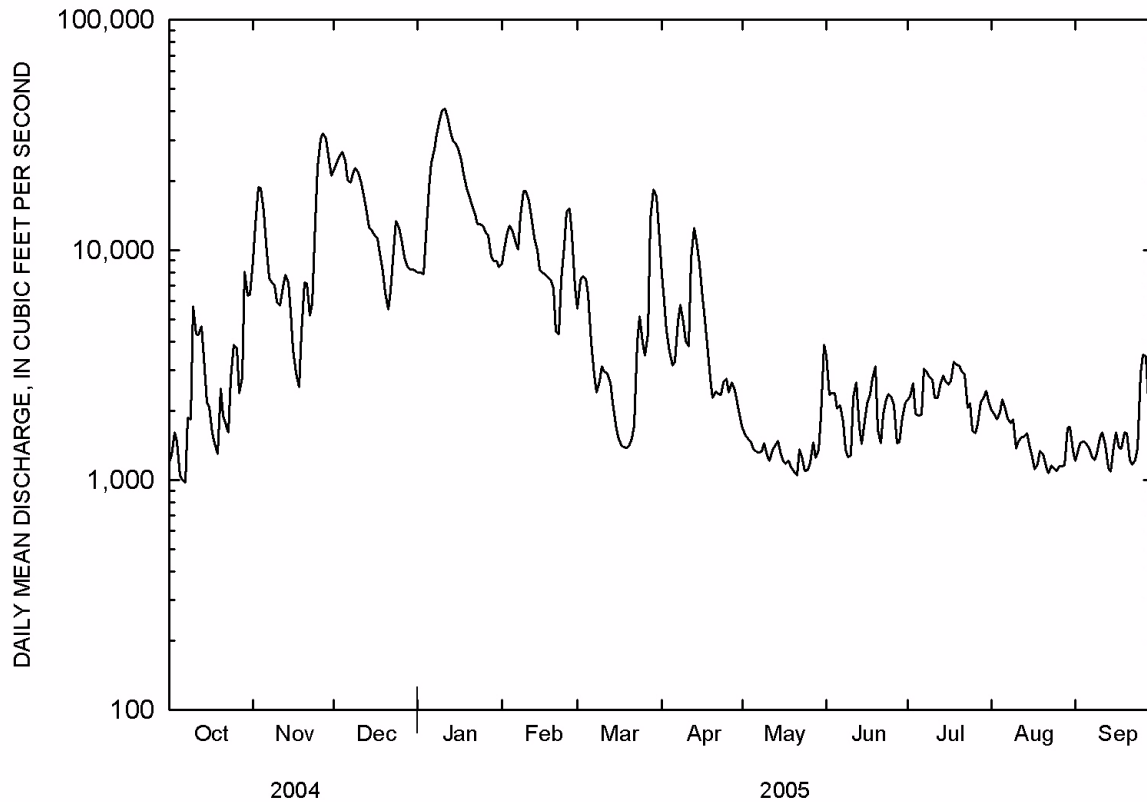
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	2447	5221	9506	12200	12390	12940	12650	12090	5452	2979	2050	2211
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	1407	411	260	176	154
(WY)	1933	1933	1940	1940	1936	1954	1930	2005	1936	1930	1930	1943

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	3080988		2387628			
ANNUAL MEAN	8418		6541		7657	
HIGHEST ANNUAL MEAN					16120 1973	
LOWEST ANNUAL MEAN					2292 1936	
HIGHEST DAILY MEAN	32100	Nov 27	41100	Jan 11	238000	Apr 3 1945
LOWEST DAILY MEAN	978	Oct 7	978	Oct 7	125	Sep 16 1943
ANNUAL SEVEN-DAY MINIMUM	1230	Oct 1	1130	Aug 21	132	Sep 11 1943
MAXIMUM PEAK FLOW			42400	Jan 11	243000	Apr 3 1945
MAXIMUM PEAK STAGE			32.63	Jan 11	44.82	Apr 3 1945
INSTANTANEOUS LOW FLOW			875	May 19	125	¹ Sep 16 1943
ANNUAL RUNOFF (AC-FT)	6111000		4736000		5548000	
10 PERCENT EXCEEDS	18600		18000		19200	
50 PERCENT EXCEEDS	6680		2770		3460	
90 PERCENT EXCEEDS	2350		1270		810	

¹Also September 24-26, 1943

^eEstimated



RED RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004 27...	0915	80513	80020	2400	30	772	10.7	121	7.4	74	22.0	21	5.97
JAN 2005 19...	1145	80513	80020	18400	10	780	7.6	63	7.3	56	8.1	19	5.53
FEB 23...	1000	80513	80020	7400	30	772	7.1	68	7.0	79	14.1	23	6.94
MAY 04...	1510	80513	80020	1410	30	775	8.6	91	6.7	92	18.9	24	6.90
JUN 08...	1300	80513	80020	1300	30	766	6.7	86	7.1	84	28.2	20	5.68
AUG 03...	0940	80513	80020	1950	30	760	7.9	103	7.2	74	29.0	23	6.32

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT 2004 27...	1.50	1.90	.4	4.72	30	4.37	<.1	9.6	55	.34	<.04	.18	<.008
JAN 2005 19...	1.24	1.15	.3	2.81	23	2.83	<.1	5.2	40	.30	<.04	.10	<.008
FEB 23...	1.45	1.05	.4	4.86	30	5.48	<.1	6.1	52	.26	<.04	.14	<.008
MAY 04...	1.69	1.23	.6	6.66	36	7.20	E.1	7.6	65	.28	<.04	.09	<.008
JUN 08...	1.39	1.38	.6	6.60	40	5.52	<.1	10.1	52	.30	<.04	.18	<.008
AUG 03...	1.67	1.17	.4	4.52	29	3.30	E.1	8.1	53	.25	<.04	<.06	<.008

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, 0.7u MF col/100 mL (31625)	Fecal streptococci, KF MF, col/100 mL (31673)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004 27...	<.02	E.02	.04	.52	50	70	82	93	27	175	3070
JAN 2005 19...	<.02	<.04	E.02	.39	130	100	E32	89	34	1690	3052
FEB 23...	<.02	<.04	E.04	.39	50	E74	22	97	24	480	3070
MAY 04...	<.02	<.04	.04	.36	E4	E12	<1	95	10	38	3070
JUN 08...	<.02	<.04	.04	.48	27	21	30	88	15	53	3070
AUG 03...	<.02	<.04	E.03	--	42	44	--	89	10	53	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR Ark. 1967: 1965. WDR Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft above NGVD of 1929 (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.--Water-discharge records good except estimated daily discharges and flows below 10 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	170	2260	306	908	237	352	112	49	4.8	4.0	3.9
2	7.4	796	2480	301	1180	210	405	93	44	4.6	3.6	2.6
3	7.1	1640	2270	312	1440	198	357	76	35	4.5	2.4	1.9
4	6.6	2160	1870	357	1370	212	265	64	31	4.4	2.0	0.98
5	6.1	2070	1550	373	1030	217	211	56	25	4.2	1.8	0.38
6	6.1	1560	1300	475	669	206	254	51	21	5.3	1.8	0.23
7	7.0	883	1680	964	616	194	391	48	55	11	1.6	0.07
8	54	284	2180	1970	1180	197	433	44	59	18	1.5	0.04
9	423	180	2330	2640	1520	204	361	41	54	25	1.5	0.00
10	796	140	1950	2420	1360	218	258	40	41	14	1.4	0.16
11	1050	167	1600	2010	1040	219	509	40	30	9.1	1.4	0.67
12	930	282	1190	1640	647	197	1800	37	23	e7.8	1.3	2.0
13	398	270	665	1760	435	168	2370	35	20	e12	e1.2	2.4
14	161	209	367	2520	387	151	2100	32	17	e15	1.1	2.7
15	96	156	280	2830	356	139	1630	33	14	15	0.99	3.4
16	64	126	238	1920	311	129	1090	45	12	8.7	1.8	4.6
17	48	110	223	1440	271	124	397	40	11	18	3.3	4.2
18	39	151	217	1020	239	123	246	35	12	22	e2.5	4.7
19	33	431	212	600	217	122	199	31	12	15	1.2	4.2
20	31	592	200	437	217	120	169	28	13	15	1.1	3.8
21	31	575	187	396	250	123	147	25	12	e20	1.0	3.6
22	30	725	359	368	268	610	132	22	11	11	1.5	3.3
23	37	1120	1310	325	274	1100	119	20	10	10	e0.80	3.1
24	55	1570	1810	277	479	1230	102	18	8.8	8.4	e1.0	5.6
25	62	1780	1750	247	597	881	86	18	7.6	6.2	1.6	38
26	125	1820	1400	244	421	366	100	18	7.0	6.4	1.8	73
27	334	1670	1000	247	309	270	167	19	6.6	15	2.8	72
28	215	1470	564	266	264	507	186	20	6.0	9.2	1.8	26
29	100	1090	379	500	---	685	138	20	5.2	6.0	1.00	9.8
30	65	1330	325	618	---	690	111	31	4.9	5.4	0.79	4.8
31	80	---	304	638	---	494	---	46	---	4.5	3.4	---
TOTAL	5305.4	25527	34450	30421	18255	10541	15085	1238	657.1	335.5	54.98	282.13
MEAN	171	851	1111	981	652	340	503	39.9	21.9	10.8	1.77	9.40
MAX	1050	2160	2480	2830	1520	1230	2370	112	59	25	4.0	73
MIN	6.1	110	187	244	217	120	86	18	4.9	4.2	0.79	0.00
AC-FT	10520	50630	68330	60340	36210	20910	29920	2460	1300	665	109	560
CFSM	0.44	2.21	2.89	2.55	1.69	0.88	1.31	0.10	0.06	0.03	0.00	0.02
IN.	0.51	2.47	3.33	2.94	1.76	1.02	1.46	0.12	0.06	0.03	0.01	0.03

RED RIVER BASIN

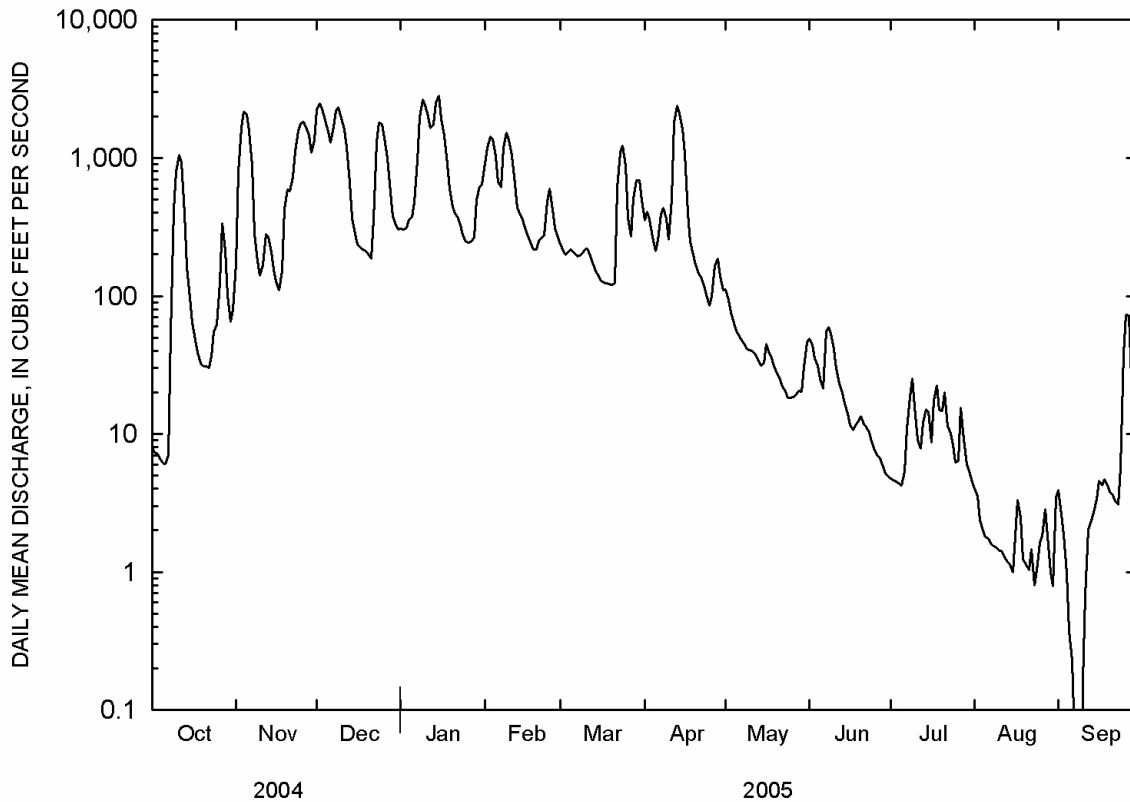
07362100 SMACKOVER CREEK NEAR SMACKOVER--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	127	250	608	647	843	878	724	501	438	130	47.2	85.5
MAX	1784	1143	2497	1980	2875	2875	4078	1701	2864	1949	346	2174
(WY)	1985	1975	2002	1962	2001	2001	1991	1966	1974	1989	1971	1974
MIN	1.51	3.66	28.0	38.8	44.6	112	90.6	33.6	8.91	1.81	0.22	1.29
(WY)	1996	1996	2004	2000	1996	1967	1971	1996	1972	1964	2000	2000

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	194641.2		142152.11			
ANNUAL MEAN	532		389		437	
HIGHEST ANNUAL MEAN					1074 1974	
LOWEST ANNUAL MEAN					94.4 1963	
HIGHEST DAILY MEAN	6990	Mar 2	2830	Jan 15	35300	Apr 6 1997
LOWEST DAILY MEAN	5.3	Sep 22	0.00	Sep 9	0.00	Aug 24 1978
ANNUAL SEVEN-DAY MINIMUM	5.7	Sep 18	0.22	Sep 5	0.00	Aug 8 2000
MAXIMUM PEAK FLOW			3080	Jan 15	52700	Jun 8 1974
MAXIMUM PEAK STAGE			14.24	Jan 15	24.97	Jun 8 1974
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	386100		282000		316900	
ANNUAL RUNOFF (CFSM)	1.38		1.01		1.14	
ANNUAL RUNOFF (INCHES)	18.81		13.74		15.44	
10 PERCENT EXCEEDS	1640		1440		1240	
50 PERCENT EXCEEDS	178		122		95	
90 PERCENT EXCEEDS	12		2.5		6.0	

Estimated



RED RIVER BASIN

07362500 MORO CREEK NEAR FORDYCE

LOCATION.--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, 5.0 mi southeast of Fordyce.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--October 1951 to September 1983, January 1984, March to April 1984, October 2001 to current year. Annual maximum 1984-2001.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except discharges less than 10 ft³/s and estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	50	1960	206	255	278	438	19	18	0.00	2.1	0.00
2	0.00	642	2510	188	396	172	238	17	e13	0.00	1.2	0.00
3	0.00	992	2710	180	556	131	159	15	6.6	0.00	0.54	0.00
4	0.00	1040	2120	206	503	109	150	13	4.5	0.00	0.29	0.00
5	0.00	951	1490	277	431	93	134	11	3.9	0.00	0.10	0.00
6	0.00	957	1140	415	355	82	111	9.1	3.6	3.3	0.00	0.00
7	0.00	887	1320	848	320	73	100	8.3	3.5	2.7	0.00	0.00
8	0.13	713	1110	1830	512	71	123	7.0	2.9	0.49	0.00	0.00
9	26	378	1000	2430	526	79	182	6.1	1.9	0.19	0.00	0.00
10	130	147	1030	2210	524	95	184	5.7	1.5	0.19	0.00	0.00
11	423	280	1040	1770	534	103	381	5.2	1.3	0.19	3.3	0.00
12	500	661	914	1320	503	102	956	4.8	1.3	0.08	3.2	0.00
13	474	852	706	1990	355	92	975	4.7	1.0	0.02	2.9	0.00
14	371	1270	412	2250	229	74	1770	4.5	0.73	0.00	1.6	0.00
15	186	1150	211	2340	174	60	1850	3.7	0.47	0.00	1.0	0.00
16	76	837	147	1720	144	50	1250	3.3	0.31	0.00	1.7	0.00
17	40	445	119	1250	120	44	855	3.0	0.45	0.08	1.6	0.00
18	25	388	105	999	101	41	402	2.6	0.89	0.32	3.3	0.00
19	20	994	97	724	87	38	151	2.2	0.48	0.38	2.2	0.00
20	16	921	87	393	86	38	96	1.9	0.19	0.31	1.7	0.00
21	13	820	81	230	117	37	71	1.8	0.08	0.16	0.50	0.00
22	12	721	273	182	150	364	55	1.5	0.00	0.09	0.15	0.00
23	20	864	813	150	203	787	43	1.2	0.00	0.01	0.04	0.71
24	53	3120	766	127	456	894	35	0.98	0.00	0.00	0.16	52
25	57	3730	739	111	479	902	29	0.93	0.00	0.00	0.02	18
26	43	3200	787	99	483	589	27	0.77	0.00	0.00	0.00	38
27	39	2540	823	89	508	264	25	0.78	0.00	0.00	0.00	21
28	32	1710	690	86	463	366	22	1.5	0.00	0.19	0.18	28
29	24	1190	437	116	---	515	21	3.5	0.00	3.3	0.29	23
30	20	1520	281	138	---	561	21	17	0.00	5.3	0.12	11
31	20	---	233	178	---	549	---	19	---	3.4	0.00	---
TOTAL	2620.13	33970	26151	25052	9570	7653	10854	196.06	66.60	20.70	28.19	191.71
MEAN	84.5	1132	844	808	342	247	362	6.32	2.22	0.67	0.91	6.39
MAX	500	3730	2710	2430	556	902	1850	19	18	5.3	3.3	52
MIN	0.00	50	81	86	86	37	21	0.77	0.00	0.00	0.00	0.00
AC-FT	5200	67380	51870	49690	18980	15180	21530	389	132	41	56	380
CFSM	0.35	4.72	3.51	3.37	1.42	1.03	1.51	0.03	0.01	0.00	0.00	0.03
IN.	0.41	5.27	4.05	3.88	1.48	1.19	1.68	0.03	0.01	0.00	0.00	0.03

RED RIVER BASIN

07362500 MORO CREEK NEAR FORDYCE--CONTINUED

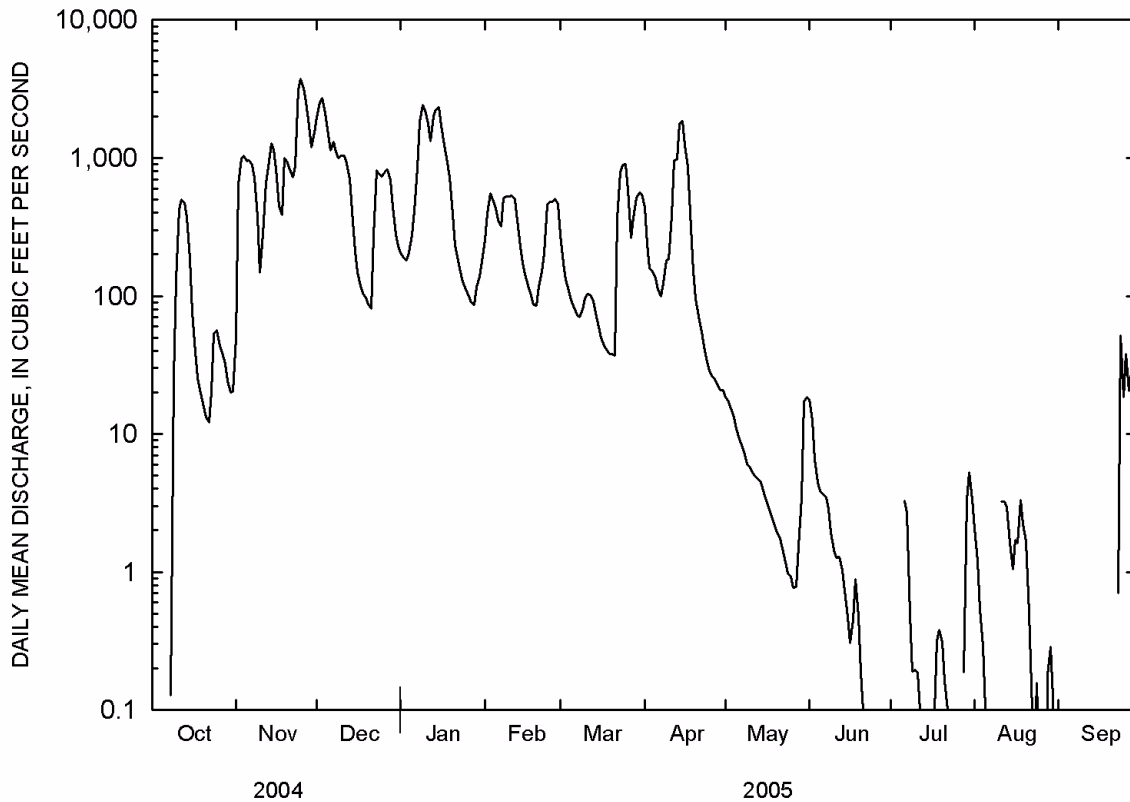
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-84, 2002-05, BY WATER YEAR (WY)

MEAN	21.2	109	323	318	491	564	523	450	159	47.0	15.1	21.8
MAX	275	1132	1736	1348	1219	1811	1935	2336	1127	561	249	560
(WY)	2002	2005	2002	1979	2003	2002	1957	1958	2003	2004	1971	1974
MIN	0.00	0.00	0.70	1.34	21.7	19.1	15.6	6.32	0.08	0.01	0.00	0.00
(WY)	1953	1954	1956	1956	1971	1954	1971	2005	1977	1952	1952	1953

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1952-84, 2002-05

ANNUAL TOTAL	163663.17		116373.39				
ANNUAL MEAN	447		319		251		
HIGHEST ANNUAL MEAN					594 1979		
LOWEST ANNUAL MEAN					41.6 1972		
HIGHEST DAILY MEAN	3730	Nov 25	3730	Nov 25	23600	May 2	1958
LOWEST DAILY MEAN	0.00	Sep 28	0.00	Oct 1	0.00	Oct 3	1951
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 28	0.00	Oct 1	0.00	Oct 3	1951
MAXIMUM PEAK FLOW			3840	Nov 25	26800	May 2	1958
MAXIMUM PEAK STAGE			12.19	Nov 25	16.47	May 2	1958
INSTANTANEOUS LOW FLOW			0.00 at times		0.00	at times	
ANNUAL RUNOFF (AC-FT)	324600		230800		181800		
ANNUAL RUNOFF (CFSM)	1.86		1.33		1.05		
ANNUAL RUNOFF (INCHES)	25.37		18.04		14.21		
10 PERCENT EXCEEDS	1180		993		728		
50 PERCENT EXCEEDS	146		40		17		
90 PERCENT EXCEEDS	3.1		0.00		0.00		

Estimated



RED RIVER BASIN

07362587 ALUM FORK SALINE RIVER NEAR REFORM

LOCATION.--Lat 34°47'51", long 92°56'00", in NW₁/₄NE₁/₄ sec.29, T.2 N., R.18 W., Saline County, Hydrologic Unit 08040203, on left bank 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	641	163	57	10	13	29	2.6	1.1	0.00	0.00	0.00
2	0.00	243	108	75	12	11	20	2.3	1.2	0.00	0.00	0.00
3	0.00	148	85	629	15	12	15	2.1	1.1	0.00	0.00	0.00
4	0.00	110	71	524	14	11	12	2.0	0.93	0.00	0.00	0.00
5	0.00	83	59	566	14	9.6	11	1.8	0.81	0.05	0.00	0.00
6	0.00	65	50	344	21	8.6	29	1.7	0.77	0.00	0.00	0.00
7	0.04	40	90	222	110	8.6	17	1.6	0.86	0.03	0.00	0.00
8	516	24	75	181	91	8.7	21	1.5	0.81	0.00	0.00	0.00
9	123	17	66	121	75	7.9	16	1.4	0.75	0.00	0.00	0.00
10	90	14	47	96	58	7.4	14	1.3	0.59	0.00	0.00	0.00
11	106	90	33	82	42	6.7	54	1.2	0.47	0.00	0.00	0.00
12	68	74	26	71	34	6.2	82	1.1	0.33	0.00	0.00	0.00
13	34	51	19	89	37	5.9	54	0.93	0.14	0.00	0.00	0.00
14	29	34	15	73	27	5.6	32	0.86	0.02	0.00	0.02	0.00
15	25	24	13	64	20	5.4	21	0.81	0.00	9.8	0.92	0.00
16	18	19	11	52	17	5.5	15	0.72	0.00	1.7	0.25	0.00
17	13	15	10	39	15	5.3	12	0.61	0.15	0.89	0.02	0.00
18	72	26	9.4	31	13	4.9	9.3	0.52	0.14	0.93	0.00	0.00
19	65	41	8.4	26	12	5.3	7.6	0.43	0.00	0.63	0.00	0.00
20	33	29	7.5	22	12	5.2	6.4	0.39	0.00	0.31	0.00	0.00
21	20	24	10	19	11	8.3	5.5	0.30	0.00	0.49	0.00	0.00
22	15	22	481	15	9.6	246	4.7	0.21	0.00	0.68	0.00	0.00
23	17	685	138	12	20	100	3.9	0.15	0.00	0.31	0.00	0.00
24	15	395	98	11	23	74	3.4	0.43	0.00	0.07	0.00	0.14
25	12	140	83	10	18	53	3.1	4.2	0.00	0.00	0.00	95
26	9.7	97	76	9.7	16	112	5.4	2.2	0.00	0.00	0.00	21
27	20	95	77	8.5	15	549	4.5	1.5	0.00	0.00	0.00	9.3
28	38	79	79	8.3	15	160	3.4	1.4	0.00	0.00	0.00	6.8
29	27	561	85	13	---	96	3.0	1.3	0.00	0.00	0.00	6.0
30	106	335	79	11	---	70	2.9	1.3	0.00	0.00	0.00	5.1
31	448	---	69	11	---	42	---	1.2	---	0.00	0.00	---
TOTAL	1919.74	4221	2241.3	3492.5	776.6	1664.1	517.1	40.06	10.17	15.89	1.21	143.34
MEAN	61.9	141	72.3	113	27.7	53.7	17.2	1.29	0.34	0.51	0.04	4.78
MAX	516	685	481	629	110	549	82	4.2	1.2	9.8	0.92	95
MIN	0.00	14	7.5	8.3	9.6	4.9	2.9	0.15	0.00	0.00	0.00	0.00
AC-FT	3810	8370	4450	6930	1540	3300	1030	79	20	32	2.4	284
CFSM	2.29	5.21	2.68	4.17	1.03	1.99	0.64	0.05	0.01	0.02	0.00	0.18
IN.	2.64	5.82	3.09	4.81	1.07	2.29	0.71	0.06	0.01	0.02	0.00	0.20

RED RIVER BASIN

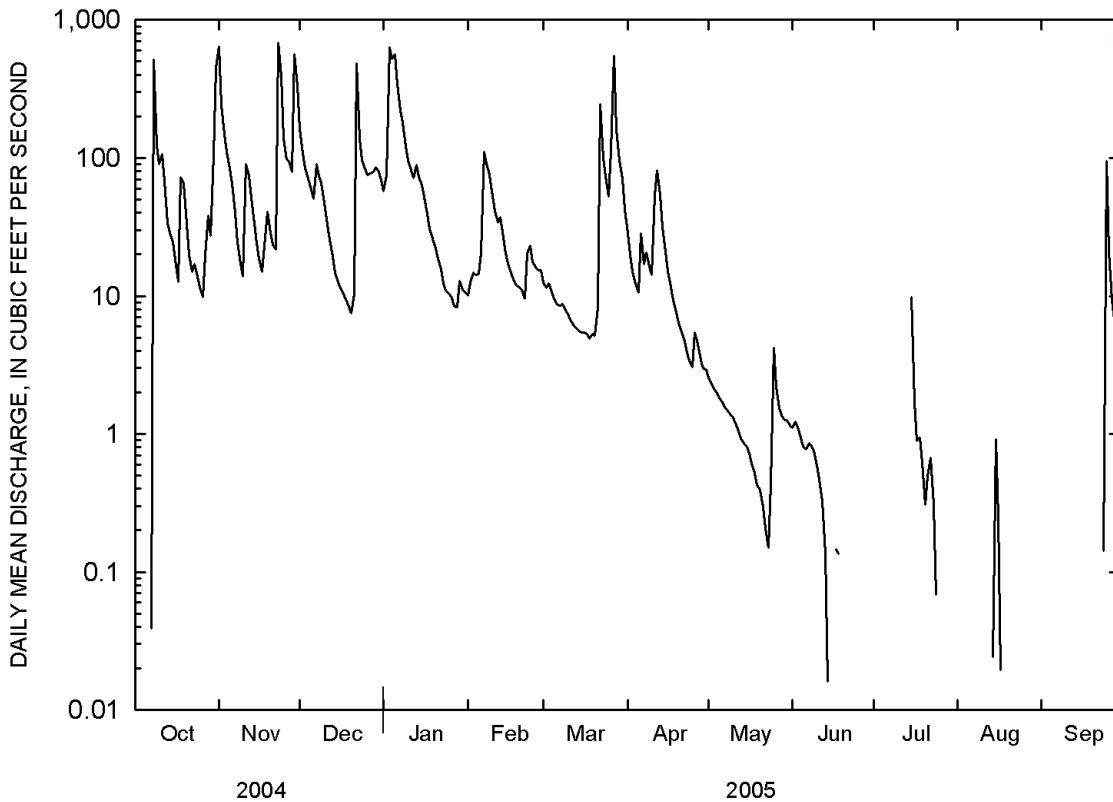
07362587 ALUM FORK SALINE RIVER NEAR REFORM--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

MEAN	21.5	57.2	96.8	72.5	77.1	89.3	71.5	45.5	28.2	4.10	1.67	1.97
MAX	77.5	222	336	135	228	265	296	157	151	24.0	18.3	10.7
(WY)	1997	1997	1991	1991	2001	1990	1991	1990	2003	1994	1994	1996
MIN	0.00	2.22	1.37	22.4	8.81	37.8	8.10	1.18	0.34	0.02	0.00	0.00
(WY)	2001	1990	1990	2003	1996	1996	1992	1992	2005	1998	1991	1995

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1990 - 2005	
ANNUAL TOTAL	19095.92		15043.01			
ANNUAL MEAN	52.2		41.2		47.1	
HIGHEST ANNUAL MEAN					84.8 1991	
LOWEST ANNUAL MEAN					19.8 1996	
HIGHEST DAILY MEAN	1260	Apr 22	685	Nov 23	5800	Dec 21 1990
LOWEST DAILY MEAN	0.00	Sep 14	0.00	Oct 1	0.00	Aug 21 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 14	0.00	Jun 19	0.00	Aug 21 1990
MAXIMUM PEAK FLOW			2550	Nov 23	¹ 13500	Dec 21 1990
MAXIMUM PEAK STAGE			9.81	Nov 23	15.30	Dec 21 1990
INSTANTANEOUS LOW FLOW			0.00 at times		0.00	at times
ANNUAL RUNOFF (AC-FT)	37880		29840		34150	
ANNUAL RUNOFF (CFSM)	1.93		1.53		1.75	
ANNUAL RUNOFF (INCHES)	26.31		20.73		23.72	
10 PERCENT EXCEEDS	109		95		99	
50 PERCENT EXCEEDS	15		8.3		8.2	
90 PERCENT EXCEEDS	0.36		0.00		0.00	

¹From rating curve extended above 790 ft³/s on basis of step-backwater computations



RED RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)
NOV 2004													
01...	1915	80513	80020	804	80	10	4.7	748	4.5	8.4	91	6.2	21
30...	0115	80513	80020	576	50	10	8.6	752	4.9	10.4	98	6.2	18
DEC 08...	0830	80513	80020	75	25	10	4.3	760	14	11.0	97	5.8	17
MAR 2005													
15...	0915	80513	80020	5.4	15	40	2.9	756	3.3	10.6	95	6.7	20
SEP 25...	1100	80513	80020	122	50	10	7.9	748	3.7	7.8	92	6.3	18

Date	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium water, fltrd, mg/L (00925)	Potassium water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd end pt, field, CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
NOV 2004													
01...	18.7	7	1.26	.965	.71	.1	.92	20	4	<2.0	<.1	5.3	<.2
30...	11.9	6	1.01	.771	.57	.2	.86	23	4	1.07	<.1	4.8	2.3
DEC 08...	9.4	5	.84	.817	.34	.2	1.00	27	4	1.42	<.1	6.2	2.1
MAR 2005													
15...	10.3	6	1.01	.896	.27	.2	1.09	27	9	1.51	<.1	4.9	2.1
SEP 25...	22.7	6	1.04	.766	.70	.1	.69	18	4	.96	<.1	3.0	1.6

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
NOV 2004													
01...	--	--	--	<130	.41	E.006	--	--	E.008	.007	.002	<.006	.025
30...	14	.04	45.6	29	.29	<.010	--	--	E.009	.007	.002	<.006	.019
DEC 08...	15	.02	3.35	17	.13	<.010	--	--	<.016	--	E.001	<.006	.006
MAR 2005													
15...	17	.03	.33	23	E.08	<.010	--	--	E.008	--	E.001	<.006	.005
SEP 25...	12	.05	11.5	35	.43	<.010	.080	.02	.020	.007	.002	<.006	.028

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
NOV 2004													
01...	--	10.5	13.8	--	530	3500	163	270	9.9	16.4	71	19	41
30...	--	7.3	9.9	--	160	560	177	190	7.2	11.7	76	27	42
DEC 08...	--	1.8	2.3	--	E18	29	98	100	2.4	3.5	83	15	3.0
MAR 2005													
15...	--	1.0	1.3	--	E2	E6	102	130	2.4	3.9	93	3	.04
SEP 25...	.45	8.3	10.4	2800	1900	--	398	450	21.9	24.3	72	6	2.0

Date	Sampler type, code (84164)
NOV 2004	
01...	3052
30...	3052
DEC 08...	3052
MAR 2005	
15...	3070
SEP 25...	3052

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

321

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 2004												
08...	1042	80513	80513	44.0	.50	--	760	8.8	80	5.7	20	11.5
08...	1043	80513	80020	44.0	3.00	2.30	760	8.6	79	5.8	20	11.3
08...	1044	80513	80513	44.0	5.10	--	760	8.6	79	5.7	20	11.2
08...	1045	80513	80513	44.0	10.1	--	760	8.4	76	5.7	20	11.1
08...	1046	80513	80513	44.0	15.0	--	760	8.3	76	5.7	20	11.1
08...	1047	80513	80513	44.0	20.0	--	760	8.4	77	5.7	20	11.1
08...	1048	80513	80513	44.0	25.0	--	760	8.5	78	5.7	20	11.1
08...	1049	80513	80513	44.0	30.0	--	760	8.4	77	5.7	20	11.1
08...	1050	80513	80513	44.0	35.1	--	760	8.4	76	5.7	20	11.1
08...	1051	80513	80513	44.0	40.1	--	760	8.1	74	5.7	20	11.0
08...	1052	80513	80513	44.0	44.1	--	760	7.3	66	5.5	20	10.6
MAR 2005												
16...	1130	80513	80513	20.0	.60	--	754	10.8	95	6.0	18	9.4
16...	1131	80513	80020	20.0	3.00	2.80	754	10.8	95	6.0	19	9.4
16...	1132	80513	80513	20.0	5.30	--	754	10.7	94	6.0	19	9.4
16...	1133	80513	80513	20.0	10.0	--	754	10.6	93	6.0	19	9.3
16...	1134	80513	80513	20.0	15.2	--	754	10.4	92	6.0	19	9.4
16...	1135	80513	80513	20.0	20.1	--	754	10.6	94	6.0	19	9.4
JUN												
21...	1236	80513	80513	15.0	.80	--	758	6.0	80	6.0	20	29.3
21...	1237	80513	80020	15.0	2.90	1.60	758	6.3	81	5.9	20	28.0
21...	1238	80513	80513	15.0	5.00	--	758	6.2	79	5.9	20	27.7
21...	1239	80513	80513	15.0	10.0	--	758	4.0	49	5.6	21	25.6
21...	1241	80513	80020	15.0	12.0	--	758	3.0	37	5.5	21	24.3
21...	1242	80513	80513	15.0	15.3	--	758	2.3	25	5.3	22	19.6
SEP												
07...	1134	80513	80513	13.0	.60	--	760	6.8	86	6.0	22	27.5
07...	1135	80513	80020	13.0	3.10	1.50	760	6.3	80	5.9	22	27.3
07...	1136	80513	80513	13.0	5.00	--	760	5.9	74	5.7	22	27.0
07...	1137	80513	80513	13.0	10.0	--	760	5.8	73	5.7	22	26.7
07...	1138	80513	80513	13.0	13.1	--	760	5.0	63	5.5	24	26.5

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30, corrctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfltrd fixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
08...	1043	25	2.2	7	1.23	.903	.44	.2	.95	22	6	1.21	<.1
MAR 2005													
16...	1131	20	3.5	7	1.25	.903	.40	.2	1.00	23	5	1.22	<.1
JUN													
21...	1237	15	3.6	7	1.22	.865	.48	.2	.95	22	6	1.27	<.1
21...	1241	25	6.1	7	1.27	.883	.47	.2	.94	22	6	1.26	<.1
SEP													
07...	1135	18	3.8	7	1.27	.857	.39	.2	1.01	23	5	1.32	<.1

Date	Time	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue sum of constituents, mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate, water, fltrd, mg/L (71851)	Nitrate, water, fltrd, mg/L as N (00618)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L (71856)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
DEC 2004														
08...	4.7	2.2	16	.03	20	.22	E.005	.120	.03	.029	.007	.002	<.006	
MAR 2005														
16...	4.0	2.3	14	.03	25	.17	E.005	--	--	.034	--	E.001	<.006	
JUN														
21...	2.2	2.3	13	.03	19	.20	<.010	--	--	<.016	--	<.002	<.006	
21...	2.5	2.3	14	.02	17	.24	<.010	--	--	<.016	--	<.002	<.006	
SEP														
07...	2.4	2.5	13	.03	20	.24	<.010	--	--	<.016	--	<.002	<.006	

RED RIVER BASIN

323

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specific conductance, wat unf std 25 degC (00095)	Temperature, water, deg C (00010)
DEC 2004												
08...	1113	80513	80513	22.0	.60	--	760	9.1	83	5.7	20	11.1
08...	1114	80513	80020	22.0	3.00	2.10	760	8.9	81	5.8	20	11.1
08...	1115	80513	80513	22.0	4.90	--	760	8.8	80	5.7	20	11.1
08...	1116	80513	80513	22.0	10.2	--	760	8.6	78	5.7	20	10.9
08...	1117	80513	80513	22.0	15.1	--	760	8.7	79	5.7	20	10.9
08...	1118	80513	80513	22.0	20.1	--	760	8.6	78	5.7	20	10.8
08...	1119	80513	80513	22.0	22.1	--	760	8.4	76	5.7	21	10.8
MAR 2005												
16...	1047	80513	80513	40.0	.70	--	754	10.7	95	6.0	18	9.6
16...	1048	80513	80020	40.0	3.30	2.70	754	10.6	94	6.0	18	9.6
16...	1049	80513	80513	40.0	4.80	--	754	10.6	94	6.0	19	9.6
16...	1050	80513	80513	40.0	10.1	--	754	10.7	94	6.0	18	9.6
16...	1051	80513	80513	40.0	14.8	--	754	10.7	95	6.0	19	9.6
16...	1052	80513	80513	40.0	20.2	--	754	10.6	94	6.0	19	9.6
16...	1053	80513	80513	40.0	26.5	--	754	10.7	95	6.0	19	9.6
16...	1054	80513	80513	40.0	29.9	--	754	10.7	95	6.0	19	9.6
16...	1055	80513	80513	40.0	35.3	--	754	10.7	94	6.0	19	9.6
16...	1056	80513	80513	40.0	40.4	--	754	10.7	95	6.0	18	9.3
JUN												
21...	1133	80513	80513	41.0	.90	--	758	6.6	85	6.3	20	28.3
21...	1134	80513	80020	41.0	3.10	2.60	758	6.4	82	6.3	20	27.5
21...	1135	80513	80513	41.0	5.00	--	758	6.5	82	6.3	20	27.2
21...	1136	80513	80513	41.0	10.0	--	758	6.7	84	6.3	20	26.9
21...	1137	80513	80513	41.0	13.1	--	758	7.1	88	6.2	20	25.6
21...	1138	80513	80513	41.0	14.0	--	758	7.8	91	6.1	19	23.1
21...	1139	80513	80513	41.0	14.9	--	758	7.9	89	6.0	19	20.9
21...	1140	80513	80513	41.0	16.0	--	758	7.6	85	5.9	19	20.2
21...	1141	80513	80513	41.0	17.0	--	758	7.5	82	5.9	19	19.2
21...	1142	80513	80513	41.0	18.1	--	758	7.3	78	5.8	19	18.3
21...	1143	80513	80513	41.0	20.0	--	758	6.3	65	5.5	19	16.8
21...	1144	80513	80513	41.0	22.0	--	758	4.8	49	5.4	19	15.4
21...	1145	80513	80513	41.0	25.0	--	758	4.9	48	5.3	19	14.1
21...	1146	80513	80513	41.0	27.9	--	758	4.6	43	5.3	20	12.7
21...	1147	80513	80513	41.0	30.0	--	758	5.2	49	5.3	19	12.2
21...	1148	80513	80513	41.0	35.0	--	758	5.2	47	5.3	19	11.1
21...	1149	80513	80020	41.0	38.0	--	758	4.7	42	5.3	20	10.8
21...	1150	80513	80513	41.0	40.8	--	758	4.6	41	5.3	20	10.6
SEP												
07...	1026	80513	80513	26.0	.70	--	760	7.3	92	6.2	22	27.2
07...	1027	80513	80020	26.0	3.10	3.10	760	7.4	94	6.2	22	27.0
07...	1028	80513	80513	26.0	5.10	--	760	7.3	92	6.2	22	26.9
07...	1029	80513	80513	26.0	10.0	--	760	7.1	90	6.2	22	26.9
07...	1030	80513	80513	26.0	14.8	--	760	6.8	85	6.1	22	26.6
07...	1031	80513	80513	26.0	16.1	--	760	5.9	71	5.5	22	24.8
07...	1033	80513	80513	26.0	17.0	--	760	6.2	72	5.4	22	22.4
07...	1034	80513	80513	26.0	18.0	--	760	5.8	65	5.3	21	20.6
07...	1035	80513	80513	26.0	19.0	--	760	4.9	52	5.3	21	18.4
07...	1036	80513	80513	26.0	20.0	--	760	4.5	47	5.2	21	17.2
07...	1038	80513	80020	26.0	21.0	--	760	1.3	13	5.1	23	15.9
07...	1039	80513	80513	26.0	23.0	--	760	1.1	11	5.1	23	14.5
07...	1040	80513	80513	26.0	25.0	--	760	1.7	16	5.1	22	13.9
07...	1042	80513	80020	26.0	25.0	--	760	1.6	16	5.1	22	13.9
07...	1043	80513	80513	26.0	26.1	--	760	1.7	16	5.1	22	13.7

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30, corrcd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
08...	1114	25	2.5	7	1.22	.888	.45	.2	.94	22	6	1.21	<.1
MAR 2005													
16...	1048	20	2.7	7	1.24	.886	.40	.2	.99	23	5	1.21	<.1
JUN													
21...	1134	10	<2.0	7	1.21	.877	.45	.2	.95	22	6	1.25	<.1
21...	1149	15	<2.0	7	1.24	.881	.50	.2	.92	21	5	1.22	<.1
SEP													
07...	1027	8	<2.0	7	1.29	.884	.43	.2	.99	23	5	1.30	<.1
07...	1038	20	3.8	7	1.34	.909	.43	.2	.92	21	6	1.24	<.1
07...	1042	25	3.2	7	1.27	.848	.36	.1	.87	21	6	1.20	<.1

RED RIVER BASIN

07362589 LAKE WINONA DOWNSTREAM FROM GILLIS BRANCH NEAR REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)
DEC 2004 08...	4.6	2.2	15	.03	22	.22	E.007	.031	E.001	<.006	.010	.25	3.9
MAR 2005 16...	4.3	2.4	15	.03	18	.18	E.009	.047	E.001	<.006	.009	.23	3.5
JUN 21...	2.5	2.3	13	.02	15	.17	<.010	<.016	<.002	<.006	.007	--	3.1
21...	4.7	2.5	16	.03	25	.13	E.009	.086	<.002	<.006	E.004	.21	3.1
SEP 07...	2.7	2.5	13	.03	23	.18	<.010	<.016	<.002	<.006	.006	--	2.9
07...	4.6	2.5	16	.03	18	.15	<.010	.017	<.002	<.006	.008	.17	2.7
07...	4.9	2.5	16	.02	15	.18	E.005	.039	<.002	<.006	.011	.22	2.7

Date	Organic carbon, water, unfltrd mg/L (00680)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Fecal strep- tococci KF MF, col/ 100 mL (31673)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, unfltrd recover- able, ug/L (01045)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)
DEC 2004 08...	E4.9	1.3	--	E15	E7	1.8	77	140	47.8	66.3	--
MAR 2005 16...	3.7	E.4	--	<1	<1	E.7	103	160	5.6	12.3	E.01
JUN 21...	4.0	.4	<1	<1	--	1.1	16	60	1.1	12.8	<.01
21...	3.5	--	--	--	--	--	87	120	98.8	92.2	--
SEP 07...	4.2	.7	<1	<1	--	1.4	31	70	2.6	13.1	E.01
07...	3.9	--	--	--	--	--	222	560	276	348	--
07...	3.7	--	--	--	--	--	292	670	331	414	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

RED RIVER BASIN

325

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 2004												
08...	1005	80513	80513	83.0	.60	--	760	8.7	80	4.8	20	11.4
08...	1006	80513	80020	83.0	3.00	2.10	760	8.6	79	5.2	20	11.3
08...	1007	80513	80513	83.0	5.20	--	760	8.7	80	5.3	20	11.3
08...	1008	80513	80513	83.0	10.1	--	760	8.4	77	5.5	20	11.3
08...	1009	80513	80513	83.0	15.0	--	760	8.5	78	5.5	20	11.3
08...	1010	80513	80513	83.0	20.3	--	760	8.3	76	5.6	20	11.3
08...	1012	80513	80513	83.0	20.7	--	760	8.4	77	5.6	20	11.3
08...	1013	80513	80513	83.0	25.0	--	760	8.5	78	5.7	20	11.3
08...	1014	80513	80513	83.0	29.7	--	760	8.4	77	5.7	20	11.3
08...	1015	80513	80513	83.0	35.1	--	760	8.1	74	5.7	20	11.2
08...	1016	80513	80513	83.0	40.0	--	760	7.1	64	5.5	20	10.8
08...	1017	80513	80513	83.0	45.0	--	760	6.6	59	5.4	20	10.2
08...	1018	80513	80513	83.0	50.0	--	760	5.2	46	5.4	21	9.9
08...	1019	80513	80513	83.0	55.0	--	760	2.7	23	5.3	23	9.4
08...	1020	80513	80513	83.0	59.9	--	760	2.4	21	5.3	24	8.7
08...	1021	80513	80513	83.0	64.9	--	760	2.1	18	5.3	24	8.4
08...	1022	80513	80513	83.0	70.1	--	760	1.3	11	5.3	25	8.2
08...	1023	80513	80513	83.0	75.1	--	760	1.0	8	5.4	26	8.0
08...	1024	80513	80513	83.0	80.2	--	760	.6	5	5.4	27	8.0
08...	1025	80513	80513	83.0	83.0	--	760	.3	3	5.5	30	7.9
MAR 2005												
16...	0951	80513	80513	84.0	1.00	--	754	10.7	94	6.1	18	9.4
16...	0952	80513	80020	84.0	3.20	3.00	754	10.8	95	6.0	18	9.4
16...	0953	80513	80513	84.0	5.10	--	754	10.7	94	6.0	19	9.4
16...	0954	80513	80513	84.0	10.1	--	754	10.6	94	6.1	18	9.4
16...	0955	80513	80513	84.0	15.0	--	754	10.3	91	6.1	18	9.4
16...	0956	80513	80513	84.0	20.0	--	754	10.5	93	6.1	18	9.4
16...	0957	80513	80513	84.0	25.1	--	754	10.6	94	6.0	18	9.4
16...	0958	80513	80513	84.0	30.0	--	754	10.5	93	6.1	18	9.4
16...	0959	80513	80513	84.0	35.1	--	754	10.6	94	6.0	18	9.4
16...	1000	80513	80513	84.0	39.9	--	754	10.6	93	6.0	18	9.4
16...	1001	80513	80513	84.0	45.4	--	754	10.3	90	5.9	18	9.1
16...	1002	80513	80513	84.0	52.2	--	754	10.1	88	5.9	18	9.0
16...	1003	80513	80513	84.0	55.0	--	754	10.1	88	5.8	19	8.8
16...	1004	80513	80513	84.0	60.1	--	754	10.0	87	5.8	19	8.6
16...	1005	80513	80513	84.0	64.9	--	754	9.7	83	5.8	18	8.3
16...	1006	80513	80513	84.0	69.9	--	754	9.7	83	5.7	19	8.2
16...	1007	80513	80513	84.0	75.1	--	754	9.5	81	5.7	18	8.0
16...	1008	80513	80513	84.0	80.6	--	754	9.4	80	5.6	18	7.8
16...	1009	80513	80513	84.0	83.8	--	754	8.8	75	5.7	18	7.8
JUN												
21...	1017	80513	80513	80.0	.90	--	758	6.5	82	6.3	20	27.3
21...	1021	80513	80020	80.0	3.20	4.00	758	6.5	82	6.3	20	26.8
21...	1022	80513	80513	80.0	5.00	--	758	6.5	82	6.3	20	26.8
21...	1023	80513	80513	80.0	10.1	--	758	6.5	81	6.3	20	26.5
21...	1025	80513	80513	80.0	14.0	--	758	6.7	83	6.3	20	26.1
21...	1026	80513	80513	80.0	15.0	--	758	8.2	93	6.0	19	21.8
21...	1027	80513	80513	80.0	16.0	--	758	7.8	86	5.9	19	19.9
21...	1028	80513	80513	80.0	17.0	--	758	7.6	82	5.8	19	18.9
21...	1029	80513	80513	80.0	18.0	--	758	7.2	77	5.7	19	17.8
21...	1030	80513	80513	80.0	19.0	--	758	6.8	70	5.5	19	16.8
21...	1031	80513	80513	80.0	20.1	--	758	6.2	63	5.5	19	16.0
21...	1032	80513	80513	80.0	22.0	--	758	5.6	56	5.4	19	14.7
21...	1033	80513	80513	80.0	24.0	--	758	5.5	54	5.3	19	13.8
21...	1034	80513	80513	80.0	25.0	--	758	5.4	52	5.3	19	13.3
21...	1035	80513	80513	80.0	30.0	--	758	5.8	54	5.3	19	12.1
21...	1036	80513	80513	80.0	35.0	--	758	6.1	56	5.3	19	11.2
21...	1037	80513	80513	80.0	40.0	--	758	6.3	57	5.3	19	10.7
21...	1038	80513	80513	80.0	45.1	--	758	6.5	59	5.3	19	10.4
21...	1039	80513	80513	80.0	50.1	--	758	6.5	58	5.3	19	10.1
21...	1040	80513	80513	80.0	55.0	--	758	6.5	57	5.3	19	9.8
21...	1041	80513	80513	80.0	60.0	--	758	5.8	51	5.3	19	9.5
21...	1042	80513	80513	80.0	65.0	--	758	5.1	44	5.3	20	9.3
21...	1043	80513	80513	80.0	70.1	--	758	5.1	45	5.2	20	9.2
21...	1044	80513	80513	80.0	75.1	--	758	4.5	40	5.2	20	9.2
21...	1046	80513	80020	80.0	77.0	--	758	4.2	37	5.2	21	9.1
21...	1047	80513	80513	80.0	79.6	--	758	3.7	32	5.3	22	9.0

RED RIVER BASIN

07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Reservoir depth, feet (72025)	Sampling depth, feet (00003)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 2005												
07...	0853	80513	80513	75.0	.70	--	760	7.3	92	6.5	21	26.6
07...	0854	80513	80020	75.0	3.00	3.50	760	7.2	91	6.4	22	26.6
07...	0855	80513	80513	75.0	5.10	--	760	7.3	91	6.4	22	26.6
07...	0856	80513	80513	75.0	10.0	--	760	7.4	92	6.3	22	26.6
07...	0857	80513	80513	75.0	15.1	--	760	7.3	91	6.3	22	26.6
07...	0859	80513	80513	75.0	16.1	--	760	7.0	87	6.2	22	26.5
07...	0900	80513	80513	75.0	17.0	--	760	6.0	72	5.7	21	24.0
07...	0901	80513	80513	75.0	18.0	--	760	6.2	71	5.5	21	21.7
07...	0902	80513	80513	75.0	19.0	--	760	5.9	64	5.3	21	19.1
07...	0903	80513	80513	75.0	20.0	--	760	5.0	52	5.3	21	17.2
07...	0904	80513	80513	75.0	21.0	--	760	3.9	40	5.2	21	15.9
07...	0905	80513	80513	75.0	22.0	--	760	4.2	42	5.2	21	15.2
07...	0906	80513	80513	75.0	23.0	--	760	3.9	38	5.1	21	14.5
07...	0907	80513	80513	75.0	24.0	--	760	3.6	36	5.1	21	14.1
07...	0908	80513	80513	75.0	25.0	--	760	3.5	33	5.1	21	13.5
07...	0909	80513	80513	75.0	26.0	--	760	3.4	32	5.1	21	13.1
07...	0910	80513	80513	75.0	27.0	--	760	3.4	32	5.1	21	12.7
07...	0911	80513	80513	75.0	28.0	--	760	3.7	35	5.1	21	12.3
07...	0912	80513	80513	75.0	29.0	--	760	3.6	34	5.1	21	12.1
07...	0913	80513	80020	75.0	30.0	--	760	3.9	36	5.1	21	11.8
07...	0914	80513	80513	75.0	35.0	--	760	4.1	37	5.1	21	11.0
07...	0915	80513	80513	75.0	40.1	--	760	4.2	38	5.1	21	10.7
07...	0916	80513	80513	75.0	45.1	--	760	3.4	30	5.1	22	10.4
07...	0917	80513	80513	75.0	50.0	--	760	4.5	40	5.1	21	9.9
07...	0918	80513	80513	75.0	55.0	--	760	3.5	31	5.1	22	9.6
07...	0919	80513	80513	75.0	60.1	--	760	2.2	19	5.1	23	9.4
07...	0920	80513	80513	75.0	64.9	--	760	2.0	17	5.1	24	9.3
07...	0921	80513	80513	75.0	70.0	--	760	1.5	13	5.1	24	9.2
07...	0923	80513	80020	75.0	72.0	--	760	.9	7	5.1	25	9.2
07...	0924	80513	80513	75.0	74.7	--	760	.3	3	5.3	29	9.1

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption, ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed end pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 2004													
08...	1006	20	2.5	7	1.25	.901	.46	.2	.94	22	6	1.18	<.1
MAR 2005													
16...	0952	20	2.0	7	1.25	.893	.38	.2	.99	23	4	1.22	<.1
JUN													
21...	1021	38	<2.0	7	1.25	.857	.43	.2	.93	22	5	1.27	<.1
21...	1046	18	2.2	7	1.25	.894	.46	.2	.91	21	6	1.23	<.1

Date	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, sum of constituents, mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap, at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
DEC 2004													
08...	4.6	2.2	15	.02	12	.24	--	E.007	.033	E.001	--	<.006	.009
MAR 2005													
16...	4.4	2.3	14	.02	17	.17	--	E.008	.047	E.001	--	<.006	.008
JUN													
21...	2.5	2.4	13	.02	16	.16	--	E.007	<.016	E.001	--	<.006	.004
21...	5.3	2.6	17	.03	23	.14	.02	.012	.132	E.001	.13	<.006	.008

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheophytin a, phytoplankton, ug/L (62360)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC, 0.7u MF col/100 mL (31625)	Fecal streptococci, KF MF, col/100 mL (31673)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)
DEC 2004													
08...	.28	4.0	4.6	1.3	--	E10	E5	2.0	77	140	68.7	92.5	E.01
MAR 2005													
16...	.22	3.3	4.0	E.3	--	<1	<1	E.6	100	110	4.8	8.7	<.01
JUN													
21...	--	3.0	3.5	.5	E1	E1	--	1.1	14	50	1.2	11.3	<.01
21...	.28	3.1	3.7	--	--	--	--	--	179	400	409	437	--

RED RIVER BASIN

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07362590 LAKE WINONA AT REFORM--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	ANC, wat unfixed pt, field, mg/L as CaCO3 (00410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 2005	07... 0854	8	<2.0	7	1.28	.936	.39	.2	1.06	23	5	1.26	<.1
	07... 0913	15	<2.0	7	1.26	.866	.39	.2	.91	22	5	1.26	<.1
	07... 0923	70	7.3	7	1.37	.931	.43	.1	.92	20	6	1.27	<.1

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
SEP 2005	07... 2.5	2.4	13	.03	23	.18	--	<.010	<.016	<.002	--	<.006	.006
	07... 4.8	2.5	17	.03	22	.14	--	<.010	.066	<.002	--	<.006	.005
	07... 6.4	2.4	20	.03	25	.21	.02	.015	.174	E.001	.19	<.006	.014

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Pheophytin a, phyto-plankton, ug/L (62360)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Chlorophyll a phyto-plankton, fluoro, ug/L (70953)	Iron, water, fltrd, ug/L (01046)	Iron, water, recoverable, ug/L (01045)	Manganese, water, fltrd, ug/L (01056)	Manganese, water, recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)
SEP 2005	07... --	3.2	3.8	.8	<1	<1	1.4	25	60	3.0	10.2	<.01
	07... .21	2.8	3.4	--	--	--	--	70	130	106	139	--
	07... .38	2.9	4.4	--	--	--	--	727	2240	869	1060	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

07362641 MIDDLE FORK SALINE RIVER BELOW JESSIEVILLE

LOCATION.--Lat 34°41'56", long 93°03'42", in NW_{1/4}SW_{1/4}SW_{1/4} sec.25, T.1 N., R.19 W., Garland County, Hydrologic Unit 08040203, on paved road just north of Jessieville School on State Hwy 7.

DRAINAGE AREA.--30.2 mi².

PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	e348	174	38	22	22	38	8.4	22	2.9	e1.3	1.2
2	4.8	253	114	60	27	21	31	7.8	21	2.9	e1.4	1.1
3	4.9	121	88	e265	27	25	26	7.6	10	2.5	e1.2	1.0
4	4.9	79	73	e452	25	21	23	7.2	7.7	2.2	1.1	0.93
5	4.9	55	71	e231	24	19	22	6.7	6.6	2.4	1.1	0.88
6	4.5	42	72	e370	36	18	49	6.2	8.9	4.2	1.0	0.88
7	6.6	32	158	293	128	17	33	5.9	19	3.4	1.1	0.86
8	e330	25	100	187	84	16	33	5.7	9.0	2.6	1.0	0.85
9	171	20	85	115	63	16	27	5.6	7.0	2.4	1.3	0.85
10	96	17	74	84	49	15	24	5.3	6.2	2.2	1.3	0.84
11	109	56	64	69	42	14	59	5.2	5.5	2.0	1.2	0.89
12	59	43	58	59	38	14	72	4.7	5.3	2.0	1.0	0.95
13	39	32	52	96	40	e13	49	4.6	4.8	1.9	0.97	1.0
14	34	26	47	65	34	e12	37	4.7	4.5	2.6	1.0	1.8
15	28	21	44	55	29	e13	30	4.7	4.2	20	2.2	2.9
16	20	18	40	49	26	e13	25	4.4	3.8	15	4.2	2.7
17	16	16	36	42	23	13	21	4.2	4.8	18	5.5	2.4
18	42	63	32	38	21	12	19	4.1	5.0	9.9	2.6	2.2
19	35	78	28	35	21	14	16	3.9	4.4	e6.0	2.0	2.0
20	23	52	24	32	20	12	15	3.8	4.1	e4.8	1.8	2.0
21	18	41	25	29	20	16	14	3.4	3.9	e4.0	1.9	1.9
22	16	41	e59	26	18	179	13	3.4	3.7	e3.9	1.6	1.9
23	28	e121	e44	23	38	62	11	3.6	3.5	e3.5	1.4	1.7
24	22	e404	e57	22	40	43	10	4.0	3.1	e3.2	1.4	38
25	17	133	e61	21	32	35	10	7.6	3.1	e2.9	1.4	347
26	14	88	e55	20	28	e66	14	5.7	2.8	e2.5	1.5	38
27	80	90	e57	18	26	e374	12	5.0	8.0	e1.9	1.4	18
28	75	75	e60	19	25	146	10	5.0	14	e1.8	1.3	12
29	43	e101	51	25	---	82	9.8	5.3	5.4	e1.7	1.3	9.1
30	207	e370	46	21	---	59	9.8	5.8	4.0	e1.7	1.3	7.2
31	e402	---	45	24	---	45	---	5.5	---	e1.3	1.2	---
TOTAL	1959.3	2861	1994	2883	1006	1427	762.6	165.0	215.3	138.3	49.97	503.03
MEAN	63.2	95.4	64.3	93.0	35.9	46.0	25.4	5.32	7.18	4.46	1.61	16.8
MAX	402	404	174	452	128	374	72	8.4	22	20	5.5	347
MIN	4.5	16	24	18	18	12	9.8	3.4	2.8	1.3	0.97	0.84
MED	28	55	57	42	28	18	23	5.2	5.2	2.6	1.3	1.8
AC-FT	3890	5670	3960	5720	2000	2830	1510	327	427	274	99	998
CFSM	2.09	3.16	2.13	3.08	1.19	1.52	0.84	0.18	0.24	0.15	0.05	0.56
IN.	2.41	3.52	2.46	3.55	1.24	1.76	0.94	0.20	0.27	0.17	0.06	0.62

RED RIVER BASIN

07362641 MIDDLE FORK SALINE RIVER BELOW JESSIEVILLE--CONTINUED

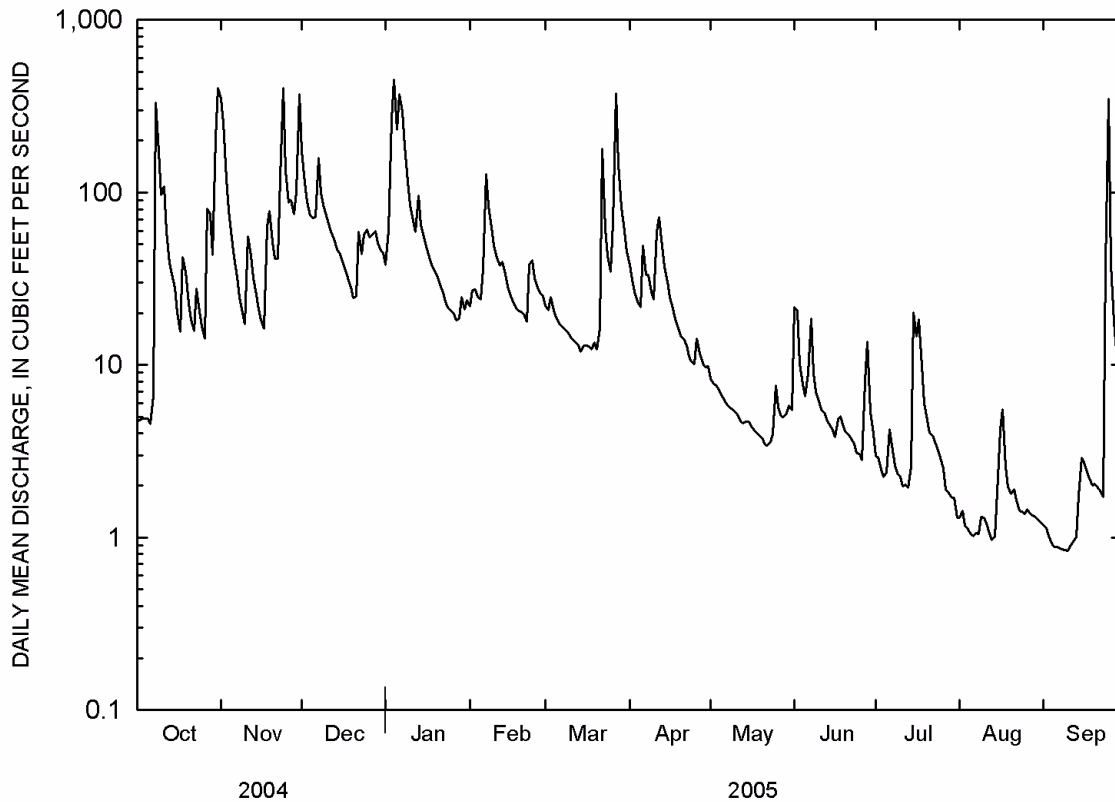
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	34.7	70.0	50.4	61.2	72.9	51.9	71.3	44.3	11.5	12.1	6.84	11.1
MAX	63.2	95.4	64.3	93.0	109	57.8	117	83.4	15.9	19.7	12.1	16.8
(WY)	2005	2005	2005	2005	2004	2004	2004	2004	2004	2004	2004	2005
MIN	6.19	44.5	36.4	29.4	35.9	46.0	25.4	5.32	7.18	4.46	1.61	5.44
(WY)	2004	2004	2004	2004	2005	2005	2005	2005	2005	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	20392.0		13964.50			
ANNUAL MEAN	55.7		38.3		41.3	
HIGHEST ANNUAL MEAN					44.4 2004	
LOWEST ANNUAL MEAN					38.3 2005	
HIGHEST DAILY MEAN	1700	Apr 22	452	Jan 4	1700	Apr 22 2004
LOWEST DAILY MEAN	4.4	Sep 21	0.84	Sep 10	0.84	Sep 10 2005
ANNUAL SEVEN-DAY MINIMUM	4.7	Sep 17	0.86	Sep 5	0.86	Sep 5 2005
MAXIMUM PEAK FLOW			a Nov 23		a Apr 22 2004	
MAXIMUM PEAK STAGE			6.77 Nov 23		7.79 Apr 22 2004	
INSTANTANEOUS LOW FLOW			0.72 Sep 8-10		0.72 ¹ Sep 8 2005	
ANNUAL RUNOFF (AC-FT)	40450		27700		29930	
ANNUAL RUNOFF (CFSM)	1.84		1.27		1.37	
ANNUAL RUNOFF (INCHES)	25.12		17.20		18.59	
10 PERCENT EXCEEDS	103		84		79	
50 PERCENT EXCEEDS	25		17		16	
90 PERCENT EXCEEDS	5.9		1.5		2.9	

¹Also September 9-10, 2005

^aEstimated



WHITE RIVER BASIN

07362641 MIDDLE FORK SALINE RIVER BELOW JESSIEVILLE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT 2004	21...	80513	80020	19	30	2.6	756	8.7	94	7.4	138	18.5	91
NOV	01...	80513	80020	732	10	14	754	8.0	88	7.0	50	18.9	60
	17...	80513	80020	17	30	<2.0	764	8.2	80	7.5	133	14.1	83
	29...	80513	80020	E2200	10	45	760	9.6	88	7.8	40	11.2	41
DEC	15...	80513	80020	42	30	<2.0	774	13.0	98	7.1	135	4.0	77
JAN 2005	19...	80513	80020	35	20	2.0	771	12.5	96	7.3	114	4.6	64
FEB	16...	80513	80020	26	30	<2.0	764	9.5	87	7.5	121	11.6	73
MAR	16...	80513	80020	12	30	<2.0	762	11.3	97	7.8	169	8.8	103
MAY	04...	80513	80020	7.3	30	<2.0	768	9.2	89	7.8	195	14.3	100
JUN	01...	80513	80020	7.3	30	<2.0	752	6.4	74	7.3	208	21.6	120
JUL	19...	80513	80020	6.5	30	7.2	759	6.1	76	7.4	169	26.4	112
AUG	17...	80513	80020	4.1	30	<2.0	768	8.2	104	7.6	229	27.7	143
SEP	07...	80513	80020	.89	70	<2.0	762	5.8	67	7.7	247	22.8	148
	25...	80513	80020	192	10	9.0	751	6.3	75	6.3	66	22.6	62

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, water, 100 mL (31633)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Suspnd. sediment, sieve diametr <.063mm percent (70331)	Suspended sediment concentration mg/L (80154)
OCT 2004	.11	<.04	<.06	<.008	<.02	<.04	<.04	--	4.1	170	200	90	18
NOV	.51	<.04	.11	<.008	<.02	<.04	.04	.62	13.1	780	1600	77	31
	E.08	<.04	E.03	<.008	<.02	<.04	<.04	--	2.0	56	52	98	19
	.69	<.04	.12	<.008	<.02	<.04	.07	.81	13.0	4200	3900	75	76
DEC	E.07	<.04	E.03	<.008	<.02	<.04	<.04	--	2.5	E12	21	88	23
JAN 2005	E.07	<.04	E.06	<.008	<.02	<.04	<.04	--	2.7	58	66	90	26
FEB	E.06	<.04	<.06	<.008	<.02	<.04	<.04	--	2.2	37	41	72	3
MAR	E.10	<.04	<.06	<.008	<.02	<.04	<.04	--	2.3	200	480	88	3
MAY	E.09	<.04	<.06	<.008	<.02	<.04	<.04	--	1.3	160	E190	80	7
JUN	.13	<.04	<.06	<.008	<.02	<.04	<.04	--	2.9	E160	E160	71	7
JUL	.26	<.04	E.04	<.008	<.02	E.03	<.04	--	5.9	72	120	91	6
AUG	.17	<.04	<.06	<.008	<.02	<.04	<.04	--	3.7	47	140	75	4
SEP	.15	E.03	<.06	<.008	<.02	<.04	<.04	--	4.9	51	46	98	50
	.64	<.04	.41	E.004	<.02	E.03	.06	1.1	14.1	E2400	E2000	89	16

WHITE RIVER BASIN

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07362641 MIDDLE FORK SALINE RIVER BELOW JESSIEVILLE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004		
21...	.92	3070
NOV		
01...	61	3052
17...	.87	3070
29...	--	3054
DEC		
15...	2.6	3070
JAN 2005		
19...	2.5	8010
FEB		
16...	.21	8010
MAR		
16...	.10	3070
MAY		
04...	.14	3070
JUN		
01...	.14	3070
JUL		
19...	.11	3070
AUG		
17...	.04	8010
SEP		
07...	.12	3070
25...	8.3	3052

Remark codes used in this table:

< -- Less than.
E -- Estimated.

RED RIVER BASIN

07362656 BRUSHY CREEK NEAR JESSIEVILLE

LOCATION.--Lat 34°43'09", long 92°59'34", in SE1/4NW1/4SE1/4 sec.23, T.1 N., R.19 W., Garland County, Hydrologic Unit 08040203, on paved road just north of Jessieville School on State Hwy 7.

DRAINAGE AREA.--17.8 mi².

PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges and discharges below 10 ft³/s, which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.22	390	115	27	9.9	8.0	32	7.3	55	0.47	0.17	0.12
2	0.23	184	75	51	13	8.1	27	6.7	32	0.51	0.15	0.09
3	0.25	110	55	e432	12	9.9	23	6.8	12	0.37	0.13	0.08
4	0.25	76	42	375	11	7.9	20	6.4	7.4	0.24	0.12	0.07
5	0.25	53	40	312	10	6.7	19	5.9	5.9	4.9	0.11	0.05
6	0.22	39	42	230	23	6.0	45	5.4	5.5	8.7	0.10	0.04
7	1.7	30	100	186	86	6.5	29	4.9	7.9	2.9	0.10	0.03
8	e542	22	55	124	50	6.4	31	4.5	6.9	0.92	0.12	0.02
9	130	17	43	79	35	5.9	24	4.7	5.0	0.55	0.14	0.02
10	116	15	33	59	26	5.5	21	4.4	4.1	0.43	0.15	0.01
11	105	55	26	47	21	5.0	59	3.8	3.2	0.41	0.12	0.00
12	52	34	22	39	18	5.0	56	2.9	2.5	0.55	0.10	0.00
13	31	25	18	67	21	4.7	38	2.6	1.6	0.34	0.08	0.00
14	32	19	15	41	16	4.4	29	3.0	0.92	0.22	0.07	0.04
15	24	16	13	33	13	4.3	23	3.0	0.61	112	11	0.14
16	17	14	12	28	11	4.4	19	2.2	0.48	40	1.9	0.14
17	12	12	11	23	9.5	4.2	17	2.0	2.1	54	1.9	0.13
18	60	39	11	20	8.4	3.9	15	1.6	2.6	49	0.54	0.12
19	45	40	10	19	8.2	4.9	14	1.2	0.94	16	0.27	0.12
20	27	28	9.9	17	8.2	3.7	12	1.1	0.56	8.7	0.20	0.12
21	20	23	16	15	7.8	16	11	0.78	0.40	5.7	0.22	0.12
22	17	29	209	13	6.7	205	9.8	0.69	0.34	6.1	0.17	0.11
23	33	e413	82	11	24	69	8.7	0.87	0.25	3.5	0.16	0.10
24	e26	294	57	10	19	47	8.3	3.1	0.19	2.0	0.17	45
25	e22	112	45	10	14	37	7.9	14	0.17	1.2	0.16	203
26	e21	71	42	9.1	11	89	14	4.8	0.17	0.74	0.14	13
27	99	77	46	7.8	10	257	9.5	3.3	13	0.52	0.14	3.5
28	90	56	45	8.5	9.8	115	8.6	3.7	6.3	0.63	0.14	1.7
29	49	331	42	13	---	71	8.3	4.1	1.6	0.52	0.13	1.9
30	156	229	35	9.7	---	52	8.9	4.8	0.70	0.32	0.12	0.84
31	350	---	33	12	---	39	---	4.5	---	0.21	0.11	---
TOTAL	2079.12	2853	1399.9	2328.1	512.5	1112.4	648.0	125.04	180.33	322.65	19.13	270.61
MEAN	67.1	95.1	45.2	75.1	18.3	35.9	21.6	4.03	6.01	10.4	0.62	9.02
MAX	542	413	209	432	86	257	59	14	55	112	11	203
MIN	0.22	12	9.9	7.8	6.7	3.7	7.9	0.69	0.17	0.21	0.07	0.00
MED	27	40	42	27	13	6.7	19	3.8	2.3	0.74	0.14	0.11
AC-FT	4120	5660	2780	4620	1020	2210	1290	248	358	640	38	537
CFSM	3.77	5.34	2.54	4.22	1.03	2.02	1.21	0.23	0.34	0.58	0.03	0.51
IN.	4.35	5.96	2.93	4.87	1.07	2.32	1.35	0.26	0.38	0.67	0.04	0.57

RED RIVER BASIN

07362656 BRUSHY CREEK NEAR JESSIEVILLE--CONTINUED

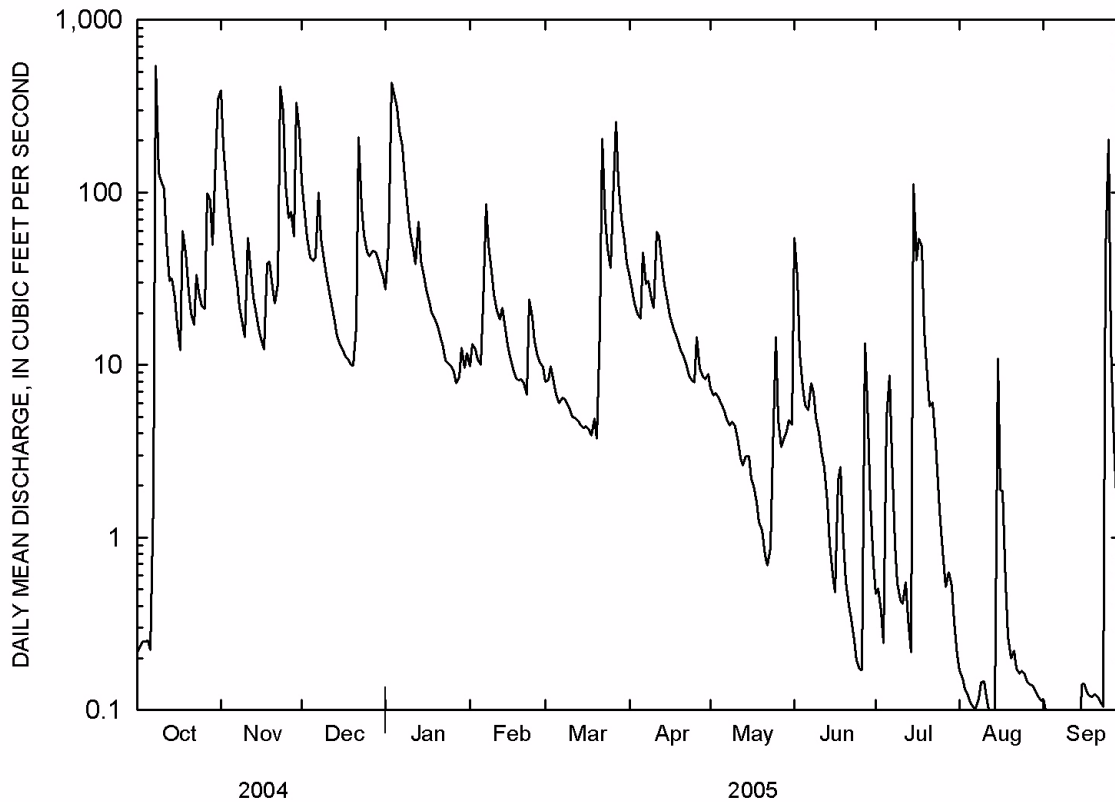
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	35.6	59.2	37.7	51.1	36.0	35.3	39.3	23.4	5.29	12.8	1.11	4.63
MAX	67.1	95.1	45.2	75.1	53.1	35.9	57.1	42.7	6.01	15.3	1.60	9.02
(WY)	2005	2005	2005	2005	2004	2005	2004	2004	2005	2004	2004	2005
MIN	4.19	23.3	30.2	27.1	18.3	34.8	21.6	4.03	4.58	10.4	0.62	0.24
(WY)	2004	2004	2004	2004	2005	2004	2005	2005	2004	2005	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	13493.23		11850.78			
ANNUAL MEAN	36.9		32.5		28.4	
HIGHEST ANNUAL MEAN					32.5 2005	
LOWEST ANNUAL MEAN					24.4 2004	
HIGHEST DAILY MEAN	591	Apr 22	542	Oct 8	591	Apr 22 2004
LOWEST DAILY MEAN	0.06	Sep 21	0.00	Sep 11	0.00	Sep 11 2005
ANNUAL SEVEN-DAY MINIMUM	0.08	Sep 18	0.01	Sep 7	0.01	Sep 7 2005
MAXIMUM PEAK FLOW			a Nov 23		a Apr 22 2004	
MAXIMUM PEAK STAGE			8.88 Nov 23		9.27 Apr 22 2004	
INSTANTANEOUS LOW FLOW			0.00 at times		0.00 at times	
ANNUAL RUNOFF (AC-FT)	26760		23510		20590	
ANNUAL RUNOFF (CFSM)	2.07		1.82		1.60	
ANNUAL RUNOFF (INCHES)	28.20		24.77		21.70	
10 PERCENT EXCEEDS	89		75		64	
50 PERCENT EXCEEDS	13		9.8		8.5	
90 PERCENT EXCEEDS	0.43		0.14		0.21	

^aUndetermined

^eEstimated



WHITE RIVER BASIN

07362656 BRUSHY CREEK NEAR JESSIEVILLE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT 2004	21...	80513	80020	20	30	3.2	756	9.3	98	7.4	60	17.6	44
NOV	01...	80513	80020	367	10	6.1	756	8.2	88	6.8	40	18.9	42
	17...	80513	80020	12	30	<2.0	764	8.2	78	7.5	68	13.2	48
	29...	80513	80020	697	10	18	757	9.7	90	7.5	34	11.7	39
DEC	15...	80513	80020	13	30	<2.0	775	13.2	96	7.0	60	2.9	36
JAN 2005	19...	80513	80020	19	20	2.6	769	12.9	96	7.4	56	3.3	31
FEB	16...	80513	80020	12	30	<2.0	764	9.7	87	7.2	61	10.6	36
MAR	16...	80513	80020	4.8	30	<2.0	762	11.1	93	7.9	79	7.5	51
MAY	04...	80513	80020	7.1	30	<2.0	770	8.9	82	7.3	83	12.1	50
JUN	01...	80513	80020	4.4	30	<2.0	752	5.6	63	6.5	94	19.9	60
JUL	19...	80513	80020	16	30	6.4	758	6.4	76	7.0	76	23.8	66
AUG	17...	80513	80020	1.4	30	3.6	768	5.7	70	6.6	102	25.8	74
SEP	07...	80513	80020	.03	30	<2.0	762	5.3	62	7.0	104	23.9	58
	25...	80513	80020	85	30	6.8	751	6.5	77	7.0	59	22.4	69

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)
OCT 2004	.11	--	<.04	<.06	<.008	--	<.02	<.04	<.04	--	3.4	200	190
NOV	.63	.18	.14	.33	E.004	.49	<.02	E.03	E.03	.96	11.5	510	580
	.13	--	<.04	.09	<.008	--	<.02	<.04	<.04	.22	2.8	72	78
	.49	--	E.02	.55	<.008	--	<.02	<.04	.04	1.0	10.6	E1400	E690
DEC	<.10	--	<.04	.18	<.008	--	<.02	<.04	<.04	--	1.4	E5	E7
JAN 2005	E.06	--	<.04	.26	<.008	--	<.02	<.04	<.04	--	1.5	E8	E13
FEB	E.08	--	<.04	.07	<.008	--	<.02	<.04	<.04	--	1.7	E10	29
MAR	.11	--	<.04	E.04	<.008	--	<.02	<.04	<.04	--	1.9	38	E150
MAY	.14	--	<.04	E.06	<.008	--	<.02	<.04	<.04	--	1.5	E9300	E30000
JUN	.12	--	<.04	.08	<.008	--	<.02	<.04	<.04	.20	2.9	130	120
JUL	.26	.07	.05	.12	<.008	.21	<.02	E.04	E.03	.38	5.8	140	170
AUG	.26	--	E.03	.34	<.008	--	<.02	<.04	<.04	.60	5.0	200	150
SEP	.20	--	E.04	<.06	<.008	--	<.02	<.04	<.04	--	2.7	68	59
	.67	.11	.09	1.22	E.005	.58	<.02	E.03	.05	1.9	15.4	E2700	E1600

WHITE RIVER BASIN

07362656 BRUSHY CREEK NEAR JESSIEVILLE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Sampler type, code (84164)
OCT 2004				
21...	86	13	.70	3070
NOV				
01...	87	25	25	3052
17...	59	18	.58	3070
29...	80	40	75	3054
DEC				
15...	89	15	.53	3070
JAN 2005				
19...	83	14	.72	8010
FEB				
16...	95	3	.10	8010
MAR				
16...	50	3	.04	3070
MAY				
04...	80	2	.04	3070
JUN				
01...	67	7	.08	3070
JUL				
19...	93	7	.30	3070
AUG				
17...	77	7	.03	8010
SEP				
07...	67	6	.00	3070
25...	55	20	4.6	3070

Remark codes used in this table:

< -- Less than.
E -- Estimated.

RED RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE

LOCATION.--Lat 34°37'50", long 92°49'38", in SE_{1/4}NW_{1/4}NE_{1/4} sec.21, T.1 S., R.17 W., Saline County, Hydrologic Unit 08040203, on Vance Road, approximately 2.0 mi north of Owensville, off State Hwy 5, 17 mi west of Benton.

DRAINAGE AREA.--93.9 mi².

PERIOD OF RECORD.--May 2002 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	1590	505	115	72	69	119	29	19	7.4	2.8	3.8
2	4.0	1030	296	161	78	69	102	26	124	5.8	2.2	3.3
3	4.0	429	230	1190	86	78	88	23	85	4.7	4.3	3.5
4	4.0	285	185	2310	78	73	78	20	56	3.8	6.1	2.8
5	4.2	192	178	935	72	68	72	23	46	7.3	6.1	2.6
6	3.9	146	188	1560	75	62	142	26	55	18	6.5	2.6
7	4.4	117	409	767	271	60	115	24	102	13	9.7	2.3
8	983	93	260	639	219	58	107	e23	103	10	6.7	2.5
9	690	76	203	364	164	50	92	e23	70	8.6	7.0	1.7
10	285	65	164	265	132	46	82	23	51	7.1	7.0	1.6
11	348	158	133	217	112	44	133	23	38	4.5	4.4	1.6
12	200	137	102	184	101	41	212	21	29	4.6	2.6	1.5
13	122	99	85	274	105	39	141	17	e22	5.0	2.2	1.6
14	91	79	72	202	99	36	111	16	e16	6.4	2.2	1.8
15	88	67	62	165	85	34	92	15	12	5.6	2.7	3.3
16	63	57	56	145	76	33	80	14	9.3	136	4.0	3.9
17	45	51	52	130	67	33	70	14	12	153	6.6	3.0
18	308	63	48	118	61	31	64	14	14	132	16	2.7
19	210	170	44	110	58	33	59	13	14	94	9.1	2.8
20	120	120	40	104	59	33	53	12	12	57	5.5	3.1
21	84	97	41	97	62	35	51	10	9.3	56	4.1	2.9
22	65	84	694	91	57	603	49	9.3	7.9	42	3.8	2.7
23	100	503	346	82	107	248	46	9.3	6.0	19	10	2.5
24	98	1710	209	76	131	154	40	11	4.8	15	6.3	39
25	68	452	161	74	99	121	36	14	4.3	12	3.9	823
26	54	265	139	72	84	211	36	21	3.4	8.5	3.4	212
27	137	232	141	69	77	1270	44	18	3.0	7.2	4.0	107
28	330	197	138	63	75	541	36	14	6.9	6.4	4.3	65
29	172	568	139	68	---	270	32	15	26	3.9	5.1	47
30	480	1350	128	70	---	187	31	19	13	3.2	4.6	32
31	1070	---	123	71	---	143	---	18	---	2.9	3.5	---
TOTAL	6240.2	10482	5571	10788	2762	4773	2413	557.6	973.9	859.9	166.7	1385.1
MEAN	201	349	180	348	98.6	154	80.4	18.0	32.5	27.7	5.38	46.2
MAX	1070	1710	694	2310	271	1270	212	29	124	153	16	823
MIN	3.9	51	40	63	57	31	31	9.3	3.0	2.9	2.2	1.5
MED	98	152	139	130	81	62	75	18	15	7.4	4.4	2.9
AC-FT	12380	20790	11050	21400	5480	9470	4790	1110	1930	1710	331	2750

RED RIVER BASIN

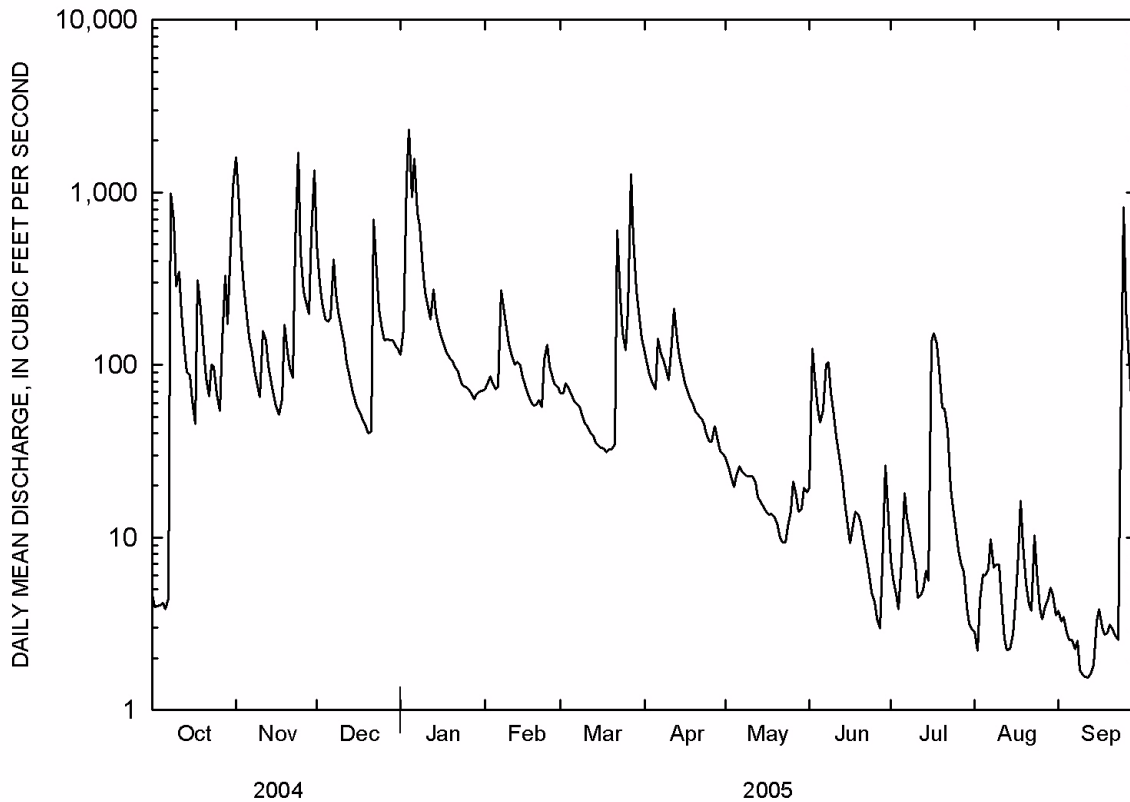
07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	74.7	158	183	172	194	155	106	88.3	120	46.0	18.4	18.8
MAX	201	349	282	348	242	184	195	170	396	78.7	30.5	46.2
(WY)	2005	2005	2003	2005	2003	2004	2004	2004	2003	2004	2004	2005
MIN	8.60	26.7	86.2	75.8	98.6	127	41.8	18.0	13.3	27.5	5.38	4.83
(WY)	2004	2003	2004	2003	2005	2003	2003	2005	2002	2003	2005	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	53650.6		46972.4			
ANNUAL MEAN	147		129		114	
HIGHEST ANNUAL MEAN					129 2005	
LOWEST ANNUAL MEAN					102 2004	
HIGHEST DAILY MEAN	2230	Apr 22	2310	Jan 4	3950	Jun 12 2003
LOWEST DAILY MEAN	2.7	Sep 23	1.5	Sep 12	1.5	Sep 12 2005
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 18	1.8	Sep 8	1.8	Sep 8 2005
MAXIMUM PEAK FLOW			4250	Jan 4	7910	Jun 12 2003
MAXIMUM PEAK STAGE			9.84	Jan 4	13.01	Jun 12 2003
INSTANTANEOUS LOW FLOW			1.5	Sep 10	1.5	Sep 10 2005
ANNUAL RUNOFF (AC-FT)	106400		93170		82590	
10 PERCENT EXCEEDS	326		267		233	
50 PERCENT EXCEEDS	68		58		43	
90 PERCENT EXCEEDS	7.0		3.9		5.9	

^eEstimated



WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

PERIOD OF RECORD.--September 2003 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: September 2003 to current year.

DISSOLVED OXYGEN: September 2003 to current year.

SPECIFIC CONDUCTANCE: September 2003 to current year.

TURBIDITY: September 2003 to current year.

pH: September 2003 to current year.

REMARKS.--Disssolved Oxygen, water temperatures, specific conductance, turbidity, and pH collected continuously. Water-quality records good, except dissolved oxygen records for January 26-29, and April 12-21, which are fair; and October 27-28, January 30 to February 2, February 21 to March 2, April 21 to May 22, June 16-27, and July 30 to August 3, which are poor.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Residue on evap. at 180degC, wat flt mg/L (70300)
OCT 2004 21...	1100	80513	80020	86	30	3.8	762	7.3	79	7.3	120	19.0	80
NOV 01...	2330	80513	80020	2820	10	32	759	8.0	87	7.1	51	19.3	46
NOV 17...	1145	80513	80020	52	30	<2.0	769	9.4	91	7.5	114	14.4	72
NOV 29...	2230	80513	80020	2190	10	42	770	9.8	88	8.0	73	11.0	58
DEC 15...	1050	80513	80020	62	30	<2.0	781	12.8	98	7.0	114	5.1	76
JAN 2005 19...	1315	80513	80020	110	20	2.5	768	12.4	99	7.5	103	6.0	56
FEB 16...	1015	80513	80020	77	30	2.1	765	10.4	96	7.8	108	12.1	67
MAR 16...	0845	80513	80020	33	30	2.6	762	10.3	89	7.8	143	9.1	76
MAY 04...	1220	80513	80020	19	30	<2.0	768	9.1	90	7.7	159	15.3	94
JUN 01...	1050	80513	80020	18	30	3.3	756	6.3	73	7.2	177	21.9	105
JUL 19...	0950	80513	80020	98	30	7.1	767	5.8	71	7.3	125	26.1	90
AUG 17...	1120	80513	80020	6.9	30	<2.0	768	5.6	70	7.5	176	27.0	110
SEP 07...	1045	80513	80020	2.2	70	2.3	764	7.1	91	7.6	185	28.2	115
SEP 25...	1040	80513	80020	1390	10	48	751	6.2	74	7.0	89	22.8	75

Date	Ammonia + org-N, water, unfltrd mg/L (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L (00618)	Nitrite + nitrate water, fltrd, mg/L (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)
OCT 2004 21...	.21	--	<.04	--	--	.16	--	<.008	--	.080	.03	E.03	.06
NOV 01...	.67	--	<.04	--	--	.17	--	<.008	--	--	<.02	E.03	.08
NOV 17...	.14	--	<.04	--	--	.16	--	<.008	--	--	E.01	E.02	E.03
NOV 29...	.52	--	<.04	--	--	.21	--	<.008	--	--	<.02	E.02	.11
DEC 15...	E.07	--	<.04	--	--	.19	--	<.008	--	--	<.02	<.04	<.04
JAN 2005 19...	E.09	--	--	--	--	--	--	--	--	--	--	--	E.04
FEB 16...	.16	--	<.04	--	--	<.06	--	<.008	--	--	<.02	<.04	<.04
MAR 16...	.19	--	<.04	--	--	.07	--	<.008	--	--	<.02	<.04	<.04
MAY 04...	.23	--	<.04	--	--	.15	--	<.008	--	--	<.02	<.04	E.03
JUN 01...	.29	.08	.06	1.66	.38	.39	.033	.010	.23	.055	.02	.04	.05
JUL 19...	.35	--	E.03	--	--	.37	--	<.008	--	.058	.02	.09	.09
AUG 17...	.24	--	E.02	--	--	E.03	--	<.008	--	--	<.02	E.03	E.03
SEP 07...	.26	--	E.03	--	--	<.06	--	<.008	--	--	<.02	E.02	.05
SEP 25...	1.2	--	<.04	4.98	1.12	1.13	.030	.009	--	.120	.04	.06	.22

WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coli-form, M-FC 0.7u MF col/100 mL (31625)	Suspnd. sedi-ment, sieve diametr <.063mm (70331)	Sus-pended sedi-ment concentration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)	Sampler type, code (84164)
OCT 2004								
21...	.37	4.7	140	150	92	20	4.6	3070
NOV								
01...	.84	15.2	3000	E3700	90	68	518	3054
17...	.30	3.2	50	46	96	16	2.2	3070
29...	.73	10.0	2100	2400	78	126	745	3054
DEC								
15...	--	1.9	E20	20	91	23	3.9	3070
JAN 2005								
19...	--	2.2	20	E14	88	24	7.1	8010
FEB								
16...	--	2.1	E11	21	93	2	.42	8010
MAR								
16...	.26	2.6	32	44	74	6	.53	3070
MAY								
04...	.37	2.6	E14	25	100	3	.15	3070
JUN								
01...	.68	3.2	62	54	86	11	.53	3070
JUL								
19...	.72	5.7	96	82	62	11	2.9	3070
AUG								
17...	--	3.9	31	160	69	5	.09	8010
SEP								
07...	--	3.3	48	E71	78	5	.03	3070
25...	2.3	18.8	E4300	E1900	91	96	360	3052

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

DAY	DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.8	7.1	7.8	8.0	7.8	7.9	11.3	10.7	11.1	---	---	---
2	8.5	7.1	7.6	8.3	7.9	8.1	12.1	11.2	11.5	---	---	---
3	8.8	7.2	7.9	8.8	8.3	8.6	11.7	11.4	11.5	---	---	---
4	9.3	7.5	8.1	9.2	8.8	9.0	11.8	11.4	11.6	---	---	---
5	9.2	7.5	8.1	9.5	9.1	9.3	11.4	11.0	11.3	---	---	---
6	9.5	7.8	8.4	9.7	9.3	9.5	11.0	10.5	10.9	---	---	---
7	9.7	7.6	8.3	9.7	9.3	9.5	10.5	10.3	10.4	---	---	---
8	8.3	7.5	7.9	9.8	9.2	9.5	11.0	10.4	10.7	---	---	---
9	8.4	8.2	8.3	10.1	9.4	9.8	10.9	10.5	10.7	---	---	---
10	8.6	8.4	8.5	10.1	9.5	9.8	11.0	10.5	10.8	---	---	---
11	8.7	8.5	8.6	9.5	9.2	9.3	11.4	10.7	11.0	---	---	---
12	8.8	8.5	8.6	9.8	9.4	9.6	11.7	11.0	11.3	---	---	---
13	9.2	8.8	9.0	10.4	9.6	10	12.0	11.0	11.5	---	---	---
14	9.4	8.9	9.2	10.7	10.0	10.2	12.7	11.6	12.2	---	---	---
15	10.1	9.4	9.8	10.6	9.9	10.2	13.9	12.3	13.1	---	---	---
16	9.9	9.5	9.7	10.7	9.6	10.0	14.1	13.2	13.6	---	---	---
17	9.8	9.3	9.5	10.7	9.3	9.9	14.0	12.9	13.4	---	---	---
18	9.4	8.4	8.9	9.7	9.0	9.3	13.7	12.7	13.1	---	---	---
19	8.5	8.0	8.3	10.0	9.1	9.6	13.8	12.4	13.0	---	---	---
20	8.4	7.9	8.1	10.0	9.2	9.5	14.2	12.8	13.3	11.5	10.6	11.0
21	8.4	8.1	8.3	9.6	9.0	9.2	13.4	12.0	12.7	11.6	10.4	10.9
22	8.4	8.0	8.2	9.6	9.0	9.2	12.3	11.6	11.8	11.8	10.2	10.9
23	8.1	7.9	8.0	9.6	9.1	9.3	13.2	12.3	12.9	12.9	10.9	11.9
24	8.6	8.0	8.3	9.7	9.1	9.3	13.5	13.0	13.2	13.6	11.8	12.5
25	8.5	8.0	8.2	10.5	9.7	10.2	13.7	13.2	13.4	13.6	11.6	12.4
26	8.6	7.8	8.2	10.7	10.3	10.5	13.5	12.8	13.2	13.5	11.1	12.0
27	9.0	8.0	8.5	10.3	10.1	10.3	13.3	12.5	12.9	13.9	11.0	12.3
28	9.5	7.3	8.8	11.0	10.3	10.7	---	---	---	13.2	11.5	12.2
29	7.6	7.2	7.4	10.9	10.6	10.7	---	---	---	14.4	11.6	12.7
30	7.7	7.2	7.5	10.8	10.5	10.6	---	---	---	14.3	11.6	12.7
31	8.0	7.6	7.8	---	---	---	---	---	---	14.0	11.6	12.7

WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWNSVILLE--CONTINUED

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.0	11.7	12.7	14.4	12.4	13.4	13.9	11.1	12.5	15.9	11.5	13.4
2	14.2	11.8	12.9	13.2	9.9	11.2	13.9	12.2	13.2	15.1	11.6	13.4
3	15.0	11.9	13.3	14.3	9.3	12.1	13.9	12.0	13.1	16.1	12.1	14.0
4	15.5	12.3	13.7	13.3	11.3	12.3	14.0	11.5	12.9	14.3	10.9	12.5
5	15.6	12.0	13.7	12.3	10.4	11.3	13.4	11.2	12.3	12.2	9.4	10.8
6	13.0	11.6	12.3	11.2	9.5	10.3	12.7	10.8	11.8	12.1	8.8	10.4
7	11.7	11.1	11.4	---	---	---	13.8	11.0	12.2	11.7	8.4	9.9
8	12.5	10.9	11.5	---	---	---	14.1	11.2	12.5	---	---	---
9	12.9	10.5	11.6	---	---	---	13.6	10.5	11.9	---	---	---
10	14.0	11.2	12.4	---	---	---	13.2	10.5	11.7	10.6	7.2	8.8
11	14.5	11.7	12.9	---	---	---	11.2	10.0	10.5	9.8	6.9	8.3
12	13.8	11.5	12.5	---	---	---	12.8	11.0	11.8	9.6	6.3	7.9
13	13.7	11.2	12.2	---	---	---	13.6	11.6	12.5	9.6	6.1	7.8
14	13.7	10.6	12.0	---	---	---	14.1	12.1	13.0	8.7	5.8	7.3
15	13.5	10.3	11.8	---	---	---	14.2	11.6	12.8	9.5	6.0	7.8
16	13.8	9.9	11.8	---	---	---	13.9	11.3	12.5	9.8	6.6	8.3
17	14.3	11.1	12.6	13.1	11.2	12.0	13.9	11.0	12.3	9.7	7.0	8.4
18	14.4	11.7	13.0	13.3	11.2	12.1	13.9	10.8	12.2	9.8	6.9	8.3
19	13.6	11.8	12.7	12.7	10.6	11.6	14.0	10.7	12.1	9.3	6.6	8.0
20	13.4	11.8	12.5	12.4	10.2	11.1	13.8	10.3	11.9	8.5	6.0	7.3
21	13.9	11.3	12.5	11.2	10.2	10.6	14.0	10.1	11.9	8.0	5.5	6.8
22	13.9	10.7	12.3	10.6	10.0	10.4	13.2	9.6	11.2	8.1	5.4	6.6
23	12.2	11.1	11.7	11.6	10.3	10.9	14.1	9.8	11.7	7.1	5.1	6.1
24	14.2	11.9	13.0	13.1	10.8	11.7	13.8	11.0	12.5	7.5	5.2	6.3
25	15.0	12.7	13.8	13.0	10.3	11.5	13.8	11.3	12.7	7.7	5.3	6.5
26	15.0	12.6	13.8	11.3	9.6	10.5	13.9	11.1	12.6	8.2	5.7	6.9
27	14.0	12.3	13.2	11.8	11.0	11.5	13.9	11.2	12.7	8.2	6.0	7.0
28	14.5	12.2	13.3	12.2	11.1	11.8	15.1	11.2	12.9	8.5	6.0	7.1
29	---	---	---	12.2	10.7	11.4	12.1	10.3	11.1	7.3	6.0	6.7
30	---	---	---	12.0	10.2	10.9	15.0	10.1	12.4	7.2	6.0	6.6
31	---	---	---	14.0	9.9	11.9	---	---	---	8.2	6.2	7.2
MONTH	15.6	9.9	12.6	---	---	---	15.1	9.6	12.2	---	---	---

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	6.3	7.0	---	---	---	8.3	5.9	6.9	8.8	5.5	7.1
2	8.3	6.5	7.5	---	---	---	7.9	5.8	6.7	8.8	5.8	7.1
3	7.9	6.8	7.3	---	---	---	7.9	5.6	6.8	8.6	5.6	7.0
4	7.7	6.2	6.9	---	---	---	7.8	5.4	6.7	8.1	5.8	7.0
5	7.4	6.1	6.6	---	---	---	7.9	5.4	6.7	9.2	6.1	7.2
6	7.3	5.9	6.6	---	---	---	7.7	5.3	6.6	9.1	6.1	7.3
7	7.1	6.1	6.6	7.9	5.4	6.6	7.8	5.2	6.6	9.2	6.2	7.3
8	7.6	6.5	7.0	8.1	5.5	6.8	7.7	5.3	6.6	8.8	6.3	7.3
9	7.4	6.4	6.8	8.2	5.6	6.9	8.4	5.3	6.8	9.1	5.8	7.2
10	7.6	6.2	6.7	8.4	5.7	7.1	8.4	5.6	7.0	8.8	5.1	6.9
11	7.4	6.1	6.6	7.3	5.6	6.5	8.3	5.3	6.9	9.3	5.0	6.9
12	7.8	6.1	6.8	8.3	5.6	6.8	8.7	5.8	7.1	8.7	4.7	6.8
13	---	---	---	8.5	5.9	6.8	8.6	5.8	7.0	7.8	4.6	6.2
14	---	---	---	7.6	5.0	6.3	9.1	5.5	7.0	6.0	4.5	5.1
15	7.8	5.8	6.8	7.7	5.2	6.6	8.4	5.5	6.8	5.9	4.2	4.9
16	7.7	5.9	6.8	7.6	5.9	6.8	7.9	5.4	6.5	6.6	4.7	5.6
17	7.3	6.4	6.9	6.9	5.8	6.3	7.4	4.8	6.2	7.2	5.0	5.9
18	8.7	6.7	7.6	7.1	6.2	6.6	7.8	4.9	6.3	7.3	5.0	6.0
19	8.7	6.8	7.7	7.5	6.3	6.8	7.7	4.7	6.3	6.8	4.5	5.6
20	8.7	6.8	7.8	7.8	6.1	6.7	7.5	4.9	6.3	6.4	4.3	5.3
21	9.0	6.8	7.9	7.1	5.7	6.2	7.7	5.1	6.3	6.5	3.9	5.2
22	9.2	7.0	8.1	6.8	5.6	6.1	7.6	4.9	6.2	6.6	4.1	5.3
23	9.0	6.8	7.9	7.2	5.1	6.1	8.0	5.0	6.1	---	---	---
24	8.5	6.8	7.7	7.3	5.0	6.1	7.2	3.8	5.5	---	---	---
25	8.8	6.6	7.7	7.6	5.0	6.2	7.7	4.6	6.1	---	---	---
26	8.5	6.7	7.5	7.2	4.9	6.2	7.8	4.5	6.1	---	---	---
27	---	---	---	7.2	5.0	6.1	7.4	4.4	5.9	---	---	---
28	---	---	---	7.8	5.3	6.6	8.1	4.5	6.2	---	---	---
29	---	---	---	8.3	5.9	7.0	6.9	5.0	6.0	6.9	5.9	6.4
30	---	---	---	8.3	6.0	7.1	7.8	4.7	6.2	7.5	6.3	6.9
31	---	---	---	8.5	5.9	7.1	8.0	5.2	6.6	---	---	---
MONTH	---	---	---	---	---	---	9.1	3.8	6.5	---	---	---

WHITE RIVER BASIN

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07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.2	18.7	19.5	19.6	19.2	19.4	10.9	9.6	10.1	12.5	11.7	12.1
2	21.2	19.4	20.1	19.2	18.0	18.9	9.9	8.6	9.4	13.4	12.5	12.9
3	19.9	17.6	18.9	18.0	16.3	17.0	9.7	8.7	9.3	13.6	13.3	13.5
4	19.3	18.0	18.6	16.3	15.3	15.8	9.6	8.3	9.1	14.3	13.5	13.9
5	19.8	18.1	18.9	15.3	14.0	14.7	9.9	8.9	9.3	---	---	---
6	19.4	16.9	18.2	14.8	13.2	14.2	11.6	9.9	10.6	---	---	---
7	20.5	18.3	19.3	15.3	13.7	14.6	12.6	11.5	12.0	---	---	---
8	20.4	19.4	19.9	15.3	14.1	14.7	11.6	10.4	11.0	---	---	---
9	19.4	19.0	19.2	14.3	13.1	13.8	11.7	10.6	11.2	---	---	---
10	19.0	18.7	18.9	14.5	13.2	13.8	11.2	10.4	10.8	---	---	---
11	18.9	18.6	18.8	15.6	14.5	15.1	10.4	9.3	9.9	---	---	---
12	18.8	17.6	18.2	14.9	13.6	14.1	9.8	8.5	9.3	---	---	---
13	18.0	16.7	17.4	13.6	12.6	13.0	9.6	8.3	9.1	14.1	11.3	13.0
14	17.2	15.1	16.4	13.1	12.4	12.7	8.3	6.1	7.2	11.3	8.7	9.7
15	15.4	13.7	14.7	14.3	13.0	13.5	6.1	4.8	5.5	8.7	7.2	7.8
16	16.4	14.8	15.5	15.1	13.7	14.3	5.7	4.5	5.0	7.3	5.7	6.3
17	16.3	15.3	15.8	15.1	13.9	14.6	6.4	4.6	5.5	5.7	4.5	5.0
18	19.3	16.2	17.9	14.9	14.3	14.7	7.1	5.2	6.1	5.0	3.8	4.5
19	20.4	18.7	19.5	14.4	14.0	14.2	6.6	5.3	6.0	6.6	4.5	5.6
20	20.3	19.4	19.7	15.4	14.2	14.8	5.9	4.3	5.2	7.7	5.9	6.9
21	19.4	18.8	19.0	15.3	15.2	15.2	7.5	5.6	6.5	8.9	7.1	8.0
22	19.6	18.8	19.1	15.2	14.9	15.1	7.5	5.0	6.5	9.1	7.2	8.4
23	20.2	19.4	19.7	15.2	14.9	15.0	5.0	3.5	4.0	7.2	5.0	6.0
24	19.8	18.3	19.1	15.0	13.2	14.5	3.5	2.8	3.2	6.1	4.2	5.2
25	19.4	18.5	19.0	13.2	11.6	12.2	3.0	1.7	2.5	7.6	5.1	6.3
26	20.7	19.1	19.8	11.9	10.8	11.4	3.8	2.2	3.1	9.0	6.7	7.8
27	20.2	19.8	20.0	12.8	11.9	12.2	4.6	3.1	3.9	8.0	7.1	7.6
28	20.6	19.4	20.0	11.9	10.7	11.1	5.5	3.9	4.7	7.1	6.1	6.5
29	21.1	19.8	20.4	11.0	10.8	10.9	7.2	5.1	6.0	7.0	6.1	6.5
30	21.1	19.8	20.3	11.8	10.9	11.5	9.9	7.2	8.3	7.2	6.7	6.9
31	19.8	19.1	19.3	---	---	---	11.8	9.9	11.1	6.9	6.6	6.7
MONTH	21.2	13.7	18.7	19.6	10.7	14.2	12.6	1.7	7.5	---	---	---

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.3	6.5	10.7	8.3	9.5	15.7	13.9	14.8	18.1	14.7	16.5
2	6.6	6.2	6.4	9.1	8.6	8.8	15.2	12.1	13.8	17.1	15.4	16.1
3	7.2	6.3	6.7	10.7	8.1	9.3	16.1	12.7	14.5	17.1	13.7	15.4
4	7.6	5.7	6.6	11.6	8.9	10.2	16.6	14.3	15.5	16.7	14.2	15.6
5	8.3	6.5	7.3	13.1	10.2	11.6	16.7	15.6	16.1	18.4	14.2	16.3
6	8.6	7.9	8.2	14.2	11.1	12.6	17.0	15.4	16.3	19.6	15.4	17.5
7	9.6	8.6	9.1	14.7	13.1	13.7	16.7	15.3	16.0	20.2	16.4	18.4
8	11.0	9.5	10.2	13.9	11.4	12.6	18.6	15.4	17.0	---	---	---
9	11.0	9.7	10.6	12.4	10.7	11.6	19.0	16.9	17.9	---	---	---
10	9.7	8.0	8.9	12.7	9.3	11.0	19.1	17.1	18.2	22.0	19.0	20.4
11	9.1	7.1	8.3	13.8	10.9	12.2	18.7	17.4	18.1	23.9	19.9	21.9
12	8.7	8.0	8.3	15.0	10.9	12.9	17.5	15.8	16.8	24.4	20.9	22.7
13	11.0	8.6	9.8	13.6	11.3	12.7	16.5	14.6	15.5	24.1	21.4	22.9
14	12.2	9.9	11.2	12.9	9.8	11.4	17.4	14.3	15.9	23.7	21.9	22.7
15	13.0	10.7	11.9	11.4	9.8	10.8	17.9	14.9	16.6	22.5	20.4	21.6
16	13.0	11.4	12.3	9.9	9.1	9.5	19.0	15.9	17.5	21.5	19.0	20.4
17	12.2	10.4	11.2	12.0	7.9	9.9	19.1	16.6	18.0	21.5	18.3	20.0
18	11.2	9.1	10.2	11.9	8.5	10.2	19.3	17.0	18.2	22.5	18.7	20.7
19	10.4	10.0	10.2	14.9	10.5	12.5	20.0	17.4	18.6	23.5	20.5	22.0
20	11.2	10.0	10.5	13.6	11.5	12.5	20.5	18.2	19.3	25.2	21.8	23.5
21	14.7	11.1	12.9	12.6	11.7	12.1	21.5	18.5	19.9	25.3	22.8	24.1
22	15.4	13.1	14.1	13.1	11.6	12.4	22.4	20.0	21.0	24.5	22.5	23.7
23	13.7	10.2	11.8	13.1	11.7	12.4	20.3	18.0	19.3	24.4	23.0	23.8
24	10.4	9.3	9.9	13.1	10.4	11.9	18.6	15.5	17.2	24.6	22.8	23.7
25	10.3	7.9	9.2	15.6	12.2	14.0	18.1	15.7	16.9	24.7	22.1	23.5
26	10.6	8.7	9.7	15.4	11.9	13.9	19.3	16.4	17.7	24.4	21.4	23.1
27	10.2	9.7	10	11.9	10.4	10.9	19.2	16.0	17.6	23.8	21.9	22.8
28	11.3	9.2	10.1	13.1	9.7	11.4	20.3	16.6	18.3	24.0	21.1	22.5
29	---	---	---	14.5	11.7	13.2	19.5	18.0	18.4	23.5	22.1	22.5
30	---	---	---	16.6	13.9	15.2	18.3	16.5	17.4	22.2	21.6	21.9
31	---	---	---	16.4	14.4	15.6	---	---	---	22.5	20.7	21.6
MONTH	15.4	5.7	9.7	16.6	7.9	11.9	22.4	12.1	17.3	---	---	---

WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

TEMPERATURE, WATER, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.3	21.4	21.9	28.5	26.4	27.2	28.3	25.6	26.9	27.5	24.8	26.1
2	23.1	20.5	21.9	27.3	25.0	26.2	28.6	25.7	27.1	27.6	25.0	26.3
3	24.2	21.7	23.0	28.4	25.4	26.9	28.9	26.0	27.4	27.3	25.2	26.2
4	26.2	22.9	24.4	28.6	26.6	27.7	28.7	26.6	27.7	26.5	24.0	25.3
5	26.9	24.2	25.5	27.7	25.8	26.8	28.9	26.5	27.8	26.0	23.0	24.5
6	27.1	24.2	25.5	25.8	24.8	25.2	28.1	26.7	27.4	26.5	23.7	25.0
7	25.3	23.7	24.5	27.6	24.5	25.9	27.8	25.6	26.8	25.8	23.3	24.6
8	26.3	23.9	25.0	27.7	24.9	26.4	27.6	25.9	26.8	25.3	22.6	24.0
9	26.8	24.8	25.7	27.0	25.2	26.3	27.4	25.6	26.6	25.8	22.5	24.1
10	27.6	25.1	26.3	27.8	25.3	26.6	28.1	25.7	27.0	25.7	22.6	24.2
11	27.4	25.2	26.2	27.3	26.3	26.8	28.6	26.1	27.4	26.0	22.7	24.4
12	28.0	24.9	26.5	27.2	25.2	26.2	28.7	26.1	27.4	25.7	23.0	24.4
13	---	---	---	28.0	26.0	26.9	28.5	25.7	27.2	26.0	23.4	24.7
14	---	---	---	28.3	26.1	27.2	28.7	26.1	27.5	25.2	24.0	24.4
15	28.2	25.4	26.9	28.0	26.6	27.4	28.8	26.8	27.8	24.1	23.3	23.7
16	27.4	25.3	25.9	27.3	25.5	26.5	29.0	26.8	27.8	24.9	22.8	23.8
17	25.4	23.3	24.2	26.9	25.3	26.1	27.9	26.5	27.4	24.4	22.3	23.4
18	25.6	22.1	23.8	26.6	25.5	26.0	29.0	26.4	27.7	25.2	22.2	23.7
19	26.0	23.0	24.6	27.7	25.8	26.7	29.1	26.8	28.1	26.5	23.9	25.1
20	25.4	23.1	24.5	29.1	26.4	27.6	29.3	27.1	28.3	27.1	24.6	25.9
21	25.7	23.2	24.5	28.7	26.9	27.6	29.7	27.7	28.7	27.7	25.2	26.5
22	26.4	23.6	25.1	29.3	25.9	27.5	29.0	27.5	28.3	27.7	25.5	26.6
23	27.2	24.4	25.8	30.2	26.8	28.5	28.8	27.3	27.9	27.5	24.9	26.2
24	27.4	25.1	26.3	30.5	27.8	29.2	28.7	26.1	27.4	26.2	23.7	25.3
25	27.9	25.4	26.6	30.7	28.1	29.5	29.7	27.2	28.5	23.8	22.7	23.1
26	27.8	25.9	26.9	30.5	28.4	29.6	30.1	27.9	29.0	24.5	22.5	23.5
27	27.8	25.6	26.6	29.7	27.4	28.4	29.5	27.8	28.6	24.6	23.8	24.2
28	28.1	25.3	26.7	27.4	26.2	26.8	28.2	26.8	27.5	25.0	22.7	23.8
29	28.8	25.7	27.3	27.4	25.0	26.2	27.4	26.2	26.9	24.3	21.6	22.7
30	29.1	26.3	27.8	27.5	24.9	26.2	27.8	25.4	26.5	21.6	19.3	20.5
31	---	---	---	27.9	25.1	26.4	27.1	25.0	26.1	---	---	---
MONTH	---	---	---	30.7	24.5	27.0	30.1	25.0	27.5	27.7	19.3	24.5

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.8	1.2	2.4	74	11	35	12	5.3	8.4	5.9	2.6	3.7
2	3.7	1.1	2.1	42	8.7	18	15	4.2	6.4	54	2.9	9.7
3	3.2	1.1	2.0	11	5.7	7.7	15	4.9	7.9	160	21	49
4	3.5	1.3	2.3	7.5	4.6	5.7	9.2	4.4	6.1	130	18	46
5	3.6	1.1	2.1	13	3.4	5.8	14	4.1	7.0	---	---	---
6	4.3	1.0	2.0	5.4	3.3	4.1	27	4.3	7.1	---	---	---
7	4.3	1.3	2.1	7.8	2.9	3.8	31	10	18	---	---	---
8	150	1.6	51	5.1	2.7	3.4	14	6.7	9.5	---	---	---
9	64	10	24	6.1	2.2	3.0	8.2	4.7	6.6	---	---	---
10	17	7.6	10	3.8	2.2	2.8	10	4.7	6.3	---	---	---
11	14	7.0	10	91	2.2	26	7.8	5.0	6.1	---	---	---
12	11	5.2	7.1	15	4.1	5.7	9.1	2.9	4.5	---	---	---
13	9.9	4.0	5.5	8.6	4.4	5.4	4.8	2.4	3.1	30	7.0	14
14	7.2	3.5	4.7	8.8	3.4	4.5	3.2	2.1	2.6	11	4.9	7.8
15	6.2	2.4	3.4	5.5	3.1	3.8	9.4	2.0	2.8	6.8	3.6	4.9
16	5.0	2.6	3.3	8.4	2.7	3.4	3.4	1.8	2.2	4.8	3.0	3.8
17	5.8	2.4	3.2	4.3	1.8	3.0	2.6	1.7	2.0	4.8	2.8	3.4
18	200	2.2	40	13	1.7	4.5	3.3	1.7	1.9	3.6	2.4	3.0
19	25	5.3	13	16	2.7	5.0	3.5	1.6	2.0	3.4	2.2	2.8
20	8.9	4.0	5.7	9.7	4.1	5.6	3.6	1.4	1.8	4.4	2.1	2.9
21	7.8	3.0	4.5	5.2	2.9	3.8	20	1.3	2.4	4.0	2.2	2.8
22	9.1	2.2	3.7	4.7	2.2	3.1	63	14	35	3.8	2.0	2.6
23	17	2.3	8.5	120	2.3	31	20	7.8	12	2.8	1.8	2.2
24	6.4	2.4	3.6	160	15	44	9.3	5.7	7.2	2.5	1.6	2.0
25	6.2	2.0	2.9	38	9.0	17	7.4	4.5	5.7	2.9	1.7	2.1
26	---	---	---	16	5.8	8.9	7.2	4.1	5.2	12	1.9	3.3
27	---	---	---	11	4.3	6.6	6.2	3.4	4.9	3.4	1.4	2.0
28	45	6.5	13	13	4.0	5.0	7.8	3.2	4.1	3.4	1.4	1.8
29	11	4.0	6.6	78	3.9	20	6.2	3.2	3.9	2.1	1.2	1.7
30	62	3.7	24	72	10	26	5.3	3.0	3.8	3.0	1.3	1.7
31	78	16	34	---	---	---	4.6	2.5	3.3	5.6	1.2	2.2
MONTH	---	---	---	160	1.7	11	63	1.3	6.4	---	---	---

WHITE RIVER BASIN

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07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.5	1.2	1.6	4.5	1.6	2.3	8.9	2.5	3.8	16	2.4	11
2	4.0	1.4	2.2	7.0	1.6	2.4	4.9	1.7	2.8	22	8.7	17
3	2.6	1.3	1.8	7.0	1.3	2.7	13	1.7	5.4	22	4.9	10
4	2.0	1.1	1.5	3.2	1.1	1.7	5.2	1.9	3.0	18	1.6	7.4
5	2.1	1.1	1.5	5.9	1.1	1.7	8.6	1.7	3.1	12	1.2	3.0
6	6.2	1.2	2.4	6.6	1.1	1.8	15	2.8	11	12	1.5	3.1
7	20	5.5	11	14	2.0	8.1	14	4.5	7.7	7.0	1.5	2.7
8	14	5.8	9.0	14	5.2	9.4	15	4.2	8.8	---	---	---
9	8.3	3.8	5.6	15	3.7	7.0	16	2.7	5.3	---	---	---
10	6.4	2.9	3.9	12	3.6	6.4	15	2.2	4.1	7.9	1.2	2.7
11	5.1	2.1	3.0	9.7	1.1	3.6	---	---	---	7.9	1.7	3.4
12	4.7	1.9	2.6	5.5	1.5	2.9	---	---	---	9.1	1.7	3.4
13	3.5	1.9	2.4	5.8	1.5	3.4	18	4.5	13	13	2.3	4.9
14	5.3	1.8	2.6	2.7	1.1	1.6	12	2.5	4.7	10	2.6	4.4
15	4.7	2.0	2.7	5.2	1.4	2.4	8.0	1.8	3.3	12	2.3	4.9
16	13	1.4	2.9	12	0.5	2.4	14	1.6	3.5	12	3.5	5.9
17	3.4	1.2	1.8	4.2	0.5	1.1	14	1.5	2.8	17	3.1	8.6
18	2.9	1.1	1.6	7.7	0.5	1.3	6.5	1.3	2.3	19	2.7	6.7
19	4.3	1.1	1.7	3.4	0.7	1.4	8.6	1.2	2.0	12	2.1	5.0
20	7.8	1.2	1.8	4.5	0.9	1.4	6.2	1.1	1.8	12	2.2	3.8
21	7.8	1.6	2.4	7.2	1.0	1.7	13	0.7	1.9	6.8	1.9	3.5
22	13	1.6	2.7	---	---	---	4.0	0.8	1.6	6.7	2.1	3.7
23	16	1.8	8.4	---	---	---	4.4	1.0	1.8	8.0	2.2	3.6
24	16	4.2	6.9	15	6.0	9.6	7.2	1.0	2.0	8.1	2.1	3.8
25	7.3	3.6	4.6	13	3.8	6.0	3.6	1.3	2.0	11	2.8	4.6
26	5.9	3.0	3.8	49	3.4	16	5.3	2.0	3.1	8.8	2.8	4.9
27	4.3	2.3	3.0	---	---	---	5.2	1.4	2.8	8.3	2.6	4.7
28	6.2	2.0	2.8	20	8.8	15	7.4	1.3	3.7	11	3.0	5.5
29	---	---	---	15	5.7	9.4	19	1.6	6.6	10	3.1	5.5
30	---	---	---	15	4.3	7.1	17	2.9	9.3	9.4	2.9	5.5
31	---	---	---	20	3.0	5.4	---	---	---	12	3.6	5.9
MONTH	20	1.1	3.5	---	---	---	---	---	---	---	---	---

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.6	3.1	5.2	73	3.7	18	10	1.8	3.1	7.6	0.3	2.3
2	15	2.9	8.2	62	3.0	12	5.3	1.3	3.0	8.8	0.9	2.3
3	15	4.6	7.8	9.8	3.0	5.4	6.7	1.3	2.9	5.0	0.6	1.9
4	15	5.5	9.0	14	2.4	7.4	5.9	1.4	2.5	4.0	0.6	1.9
5	18	6.6	11	25	2.4	7.8	5.9	1.3	2.5	4.9	0.8	2.1
6	14	4.3	7.4	26	2.5	10	5.4	1.2	2.5	8.4	1.0	2.5
7	25	13	20	6.9	2.1	3.5	10	1.5	2.9	14	0.9	2.8
8	22	6.7	13	7.0	1.9	2.9	---	---	---	6.9	1.1	2.3
9	19	5.3	9.0	7.1	1.6	2.9	---	---	---	7.4	0.9	2.3
10	25	3.9	8.9	6.2	1.6	2.9	---	---	---	8.4	1.0	3.1
11	21	5.3	9.8	7.2	1.6	3.3	---	---	---	10	1.1	3.3
12	19	4.6	9.9	10	2.0	4.2	---	---	---	5.8	1.2	2.2
13	---	---	---	14	2.1	5.1	---	---	---	4.1	1.3	1.7
14	---	---	---	15	2.4	7.7	---	---	---	4.1	0.7	1.9
15	13	3.4	6.9	11	1.8	4.7	---	---	---	2.3	0.7	1.5
16	12	3.0	5.5	64	1.7	15	---	---	---	2.2	0.6	1.4
17	9.4	3.6	5.0	97	10	36	---	---	---	2.5	0.8	1.4
18	20	3.2	5.3	32	9.1	14	3.9	0.2	1.3	4.7	0.8	1.6
19	23	2.7	5.1	20	4.3	8.7	3.6	0.2	1.2	4.5	0.5	1.8
20	9.3	3.0	4.6	9.2	3.2	5.1	3.4	0.2	1.3	5.8	0.5	1.6
21	32	2.8	7.4	150	3.2	19	2.9	0.4	1.5	6.0	0.4	1.9
22	11	2.1	3.8	21	5.6	11	6.3	0.9	2.5	2.4	0.5	1.1
23	14	2.1	4.1	11	3.2	5.9	9.3	2.1	3.5	2.1	0.4	1.2
24	11	1.6	3.9	7.5	2.3	4.4	24	2.7	11	140	0.7	9.0
25	10	1.4	3.9	12	2.1	4.0	6.5	1.3	2.6	150	17	61
26	8.1	1.9	3.7	6.0	1.8	3.3	5.6	0.5	1.8	19	6.3	12
27	8.3	1.6	3.3	6.8	1.7	3.2	2.7	0.1	1.0	12	3.4	6.1
28	14	1.9	3.8	12	2.1	3.3	3.1	0.0	0.9	9.1	2.7	4.6
29	11	2.3	4.3	5.9	1.5	3.2	5.6	0.2	1.5	12	2.3	4.3
30	24	3.3	7.4	5.3	1.8	3.2	5.2	0.3	1.6	9.0	2.1	4.0
31	---	---	---	10	1.7	3.2	9.8	0.3	2.0	---	---	---
MONTH	---	---	---	150	1.5	7.8	---	---	---	150	0.3	4.9

WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.8	7.6	7.6	7.0	6.8	6.9	7.1	7.0	7.1	7.5	7.3	7.4
2	7.7	7.5	7.6	7.0	6.8	6.9	7.2	7.1	7.1	7.5	7.3	7.4
3	7.7	7.5	7.6	7.1	7.0	7.1	7.3	7.2	7.3	7.3	6.8	7.2
4	7.7	7.6	7.6	7.2	7.1	7.1	7.3	7.3	7.3	7.0	6.8	6.9
5	7.7	7.6	7.6	7.2	7.2	7.2	7.3	7.3	7.3	---	---	---
6	7.8	7.6	7.6	7.3	7.2	7.2	7.3	7.3	7.3	---	---	---
7	7.8	7.6	7.6	7.3	7.2	7.3	7.3	7.2	7.3	---	---	---
8	7.6	6.8	7.4	7.4	7.3	7.3	7.3	7.2	7.2	---	---	---
9	7.2	6.8	7.0	7.4	7.3	7.4	7.3	7.2	7.3	---	---	---
10	7.3	7.2	7.2	7.4	7.3	7.4	7.4	7.3	7.3	---	---	---
11	7.3	7.3	7.3	7.4	7.3	7.3	7.4	7.3	7.4	---	---	---
12	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.4	---	---	---
13	7.4	7.3	7.4	7.4	7.3	7.3	7.5	7.3	7.4	7.5	7.4	7.5
14	7.4	7.4	7.4	7.4	7.3	7.3	7.5	7.4	7.5	7.5	7.4	7.5
15	7.5	7.4	7.5	7.4	7.3	7.4	7.6	7.4	7.5	7.6	7.5	7.5
16	7.5	7.5	7.5	7.4	7.3	7.3	7.6	7.5	7.5	7.6	7.5	7.6
17	7.6	7.5	7.5	7.5	7.2	7.4	7.7	7.5	7.6	7.7	7.6	7.6
18	7.5	7.1	7.3	7.4	7.3	7.4	7.7	7.5	7.6	7.7	7.5	7.6
19	7.3	7.2	7.3	7.5	7.3	7.4	7.8	7.5	7.6	7.8	7.6	7.7
20	7.4	7.3	7.3	7.4	7.3	7.3	7.9	7.6	7.7	7.8	7.7	7.7
21	7.4	7.3	7.4	7.3	7.3	7.3	7.8	7.5	7.6	7.9	7.7	7.8
22	7.4	7.3	7.3	7.4	7.3	7.3	7.6	7.1	7.3	8.1	7.7	7.8
23	7.4	7.3	7.3	7.4	6.9	7.3	7.3	7.1	7.2	8.2	7.7	7.9
24	7.4	7.3	7.4	7.0	6.7	6.9	7.3	7.2	7.3	8.3	7.8	7.9
25	7.4	7.4	7.4	7.1	7.0	7.1	7.4	7.3	7.4	8.4	7.8	8.0
26	7.4	7.1	7.3	7.2	7.1	7.2	7.4	7.3	7.4	8.6	7.8	8.0
27	7.3	7.2	7.3	7.3	7.2	7.2	7.5	7.4	7.4	8.8	7.8	8.2
28	7.2	7.0	7.2	7.3	7.3	7.3	7.5	7.4	7.4	8.2	7.8	8.0
29	7.2	7.1	7.2	7.3	7.0	7.3	7.5	7.4	7.4	8.7	7.8	8.1
30	7.2	7.1	7.1	7.0	6.8	6.9	7.5	7.3	7.4	8.7	7.8	8.2
31	7.1	6.9	7.0	---	---	---	7.6	7.4	7.4	8.6	7.8	8.2
MONTH	7.8	6.8	7.4	7.5	6.7	7.2	7.9	7.0	7.4	---	---	---

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.6	7.9	8.1	8.8	7.8	8.3	8.0	7.4	7.6	8.2	7.6	7.8
2	8.6	7.8	8.1	8.6	7.9	8.2	8.4	7.5	7.8	8.0	7.5	7.8
3	8.9	7.9	8.3	8.7	7.7	8.2	8.3	7.5	7.8	8.1	7.6	7.8
4	9.1	7.9	8.5	8.8	7.8	8.3	8.3	7.5	7.9	8.2	7.6	7.8
5	9.2	7.9	8.5	8.9	7.8	8.4	7.9	7.5	7.7	8.1	7.5	7.8
6	8.5	7.9	8.1	8.7	7.9	8.3	7.8	7.4	7.6	8.2	7.5	7.8
7	7.9	7.7	7.8	8.4	7.8	8.1	7.9	7.5	7.7	8.1	7.5	7.7
8	8.2	7.6	7.8	8.5	7.7	8.1	8.2	7.5	7.8	---	---	---
9	8.4	7.6	7.9	8.4	7.8	8.1	8.0	7.5	7.7	---	---	---
10	8.7	7.7	8.1	8.4	7.9	8.1	7.9	7.5	7.6	7.8	7.4	7.6
11	8.8	7.7	8.1	8.3	7.8	8.1	7.6	7.4	7.5	7.6	7.3	7.5
12	8.4	7.7	8.0	8.2	7.8	8.0	7.7	7.5	7.6	7.6	7.3	7.4
13	8.8	7.7	8.1	8.0	7.7	7.8	7.7	7.4	7.5	7.6	7.3	7.4
14	8.9	7.8	8.3	8.1	7.7	7.9	7.8	7.4	7.6	7.5	7.2	7.4
15	8.9	7.8	8.3	8.1	7.7	7.9	7.9	7.5	7.6	7.6	7.3	7.4
16	9.0	7.8	8.3	8.2	7.7	7.9	7.9	7.4	7.6	7.7	7.4	7.5
17	9.0	7.9	8.4	8.4	7.9	8.1	7.9	7.4	7.6	7.6	7.4	7.5
18	8.9	8.0	8.4	8.5	7.9	8.1	7.9	7.4	7.6	7.7	7.4	7.5
19	8.4	7.9	8.1	8.5	7.8	8.1	7.9	7.4	7.6	7.6	7.4	7.5
20	8.2	7.8	8.0	8.4	7.8	8.0	7.9	7.4	7.6	7.5	7.3	7.4
21	8.7	7.8	8.2	8.0	7.8	7.9	8.0	7.4	7.6	7.4	7.3	7.3
22	8.8	7.7	8.3	7.8	7.3	7.4	7.9	7.4	7.6	7.4	7.2	7.3
23	8.1	7.7	7.8	7.7	7.3	7.5	8.0	7.4	7.6	7.3	7.2	7.3
24	8.4	7.7	7.9	8.1	7.5	7.7	8.1	7.5	7.7	7.4	7.2	7.3
25	8.6	7.7	8.1	8.4	7.5	7.8	8.1	7.5	7.8	7.4	7.3	7.3
26	8.7	7.7	8.2	7.8	7.3	7.6	8.2	7.5	7.8	7.5	7.3	7.4
27	8.3	7.7	8.0	7.4	7.1	7.2	8.2	7.5	7.8	7.5	7.3	7.4
28	8.8	7.7	8.2	7.4	7.2	7.3	8.2	7.5	7.8	7.5	7.3	7.4
29	---	---	---	7.6	7.3	7.4	7.7	7.5	7.5	7.4	7.3	7.4
30	---	---	---	7.7	7.3	7.5	8.0	7.5	7.7	7.4	7.3	7.4
31	---	---	---	8.0	7.4	7.6	---	---	---	7.5	7.3	7.4
MONTH	9.2	7.6	8.1	8.9	7.1	7.9	8.4	7.4	7.7	---	---	---

WHITE RIVER BASIN

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07362693 MIDDLE FORK SALINE RIVER NEAR OWENSVILLE--CONTINUED

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.3	7.5	7.6	7.3	7.5	7.9	7.6	7.7	8.0	7.2	7.7
2	7.7	7.5	7.6	7.7	7.4	7.5	7.8	7.6	7.7	8.0	7.6	7.8
3	7.6	7.4	7.5	7.8	7.4	7.6	7.8	7.5	7.7	8.0	7.6	7.8
4	7.5	7.3	7.4	7.7	7.4	7.5	7.8	7.5	7.6	7.9	7.6	7.8
5	7.4	7.3	7.3	7.7	7.4	7.5	7.8	7.5	7.7	8.1	7.6	7.8
6	7.5	7.3	7.4	7.6	7.3	7.5	7.8	7.5	7.6	7.9	7.5	7.7
7	7.4	7.2	7.3	7.7	7.5	7.6	7.8	7.5	7.7	8.0	7.5	7.7
8	7.5	7.3	7.4	7.8	7.5	7.6	7.8	7.5	7.6	7.9	7.5	7.7
9	7.4	7.3	7.3	7.9	7.5	7.7	7.9	7.5	7.7	7.9	7.5	7.7
10	7.4	7.3	7.3	7.9	7.6	7.7	7.8	7.5	7.7	7.9	7.4	7.6
11	7.4	7.3	7.3	7.8	7.6	7.7	7.9	7.5	7.7	7.9	7.4	7.6
12	7.5	7.3	7.4	7.8	7.6	7.7	8.0	7.5	7.7	7.9	7.4	7.6
13	---	---	---	7.8	7.5	7.7	8.0	7.5	7.7	7.6	7.2	7.4
14	---	---	---	7.7	7.5	7.6	8.1	7.5	7.7	7.3	7.2	7.2
15	7.5	7.3	7.4	7.9	7.6	7.7	7.9	7.5	7.6	7.4	7.2	7.3
16	7.5	7.3	7.4	7.9	7.6	7.7	7.8	7.5	7.6	7.4	7.3	7.3
17	7.4	7.4	7.4	7.6	7.4	7.5	7.7	7.4	7.6	7.5	7.3	7.4
18	7.6	7.4	7.5	7.6	7.5	7.5	7.9	7.5	7.6	7.5	7.3	7.4
19	7.6	7.4	7.5	7.9	7.4	7.7	7.8	7.5	7.6	7.4	7.2	7.3
20	7.6	7.4	7.5	8.0	7.7	7.8	7.8	7.5	7.6	7.4	7.2	7.3
21	7.7	7.4	7.5	7.9	7.6	7.7	7.8	7.5	7.6	7.3	7.2	7.2
22	7.7	7.4	7.5	7.7	7.6	7.6	7.8	7.5	7.6	7.4	7.2	7.2
23	7.7	7.4	7.5	7.8	7.5	7.6	7.9	7.5	7.6	7.4	7.2	7.3
24	7.6	7.4	7.5	7.8	7.6	7.7	7.7	7.3	7.5	7.5	7.2	7.3
25	7.7	7.4	7.5	7.9	7.6	7.7	7.8	7.4	7.6	7.3	6.9	7.0
26	7.6	7.4	7.5	7.8	7.5	7.6	7.8	7.4	7.5	7.0	6.9	6.9
27	7.6	7.4	7.5	7.8	7.5	7.7	7.8	7.4	7.5	7.1	6.9	7.0
28	7.7	7.4	7.5	7.9	7.6	7.7	7.9	7.4	7.6	7.1	7.0	7.1
29	7.7	7.4	7.5	7.9	7.7	7.8	7.7	7.5	7.6	7.3	7.1	7.2
30	7.7	7.4	7.5	8.0	7.7	7.8	7.8	7.5	7.6	7.4	7.2	7.3
31	---	---	---	8.0	7.6	7.7	7.8	7.5	7.6	---	---	---
MONTH	---	---	---	8.0	7.3	7.6	8.1	7.3	7.6	8.1	6.9	7.4

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	189	188	188	75	48	65	77	66	72	91	87	88
2	189	186	187	71	48	62	92	77	83	92	86	91
3	188	186	187	78	71	75	102	92	97	86	43	68
4	188	187	188	84	78	81	109	102	105	50	39	43
5	188	185	186	89	84	87	112	109	110	---	---	---
6	186	184	185	94	89	91	116	110	113	---	---	---
7	187	173	184	99	94	96	113	84	93	---	---	---
8	173	55	135	103	99	101	93	86	89	---	---	---
9	83	55	70	106	103	105	99	93	96	---	---	---
10	93	83	89	111	106	109	104	99	102	---	---	---
11	92	88	90	112	100	107	109	104	107	---	---	---
12	96	91	93	114	111	112	109	104	106	---	---	---
13	104	96	100	111	104	107	108	105	107	91	88	90
14	111	104	108	109	105	107	113	108	110	91	88	90
15	113	109	111	113	109	111	117	113	114	94	90	92
16	116	113	115	118	113	115	119	117	118	98	94	96
17	117	115	116	123	118	120	122	119	121	100	98	99
18	119	82	102	127	123	125	125	122	123	103	100	102
19	116	92	107	130	121	126	127	125	126	104	103	104
20	123	116	120	121	103	106	130	127	128	107	104	106
21	128	121	124	110	104	107	131	128	130	109	107	108
22	134	128	131	116	110	113	129	56	83	112	109	110
23	135	128	132	124	70	110	71	58	65	116	112	114
24	136	130	133	71	50	60	78	71	75	118	116	116
25	136	132	134	84	71	78	82	78	80	120	118	118
26	134	120	127	92	84	88	85	82	83	122	120	121
27	125	108	120	96	92	94	87	85	86	125	122	123
28	113	95	100	100	95	97	87	85	86	127	125	126
29	108	98	103	101	59	93	87	83	85	128	126	127
30	108	83	96	66	48	58	85	83	84	131	128	130
31	83	64	74	---	---	---	87	85	86	131	127	129
MONTH	189	55	127	130	48	97	131	56	99	---	---	---

WHITE RIVER BASIN

07362693 MIDDLE FORK SALINE RIVER NEAR OWNSVILLE--CONTINUED

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	130	128	129	111	108	110	107	102	104	173	167	170
2	130	116	123	117	111	114	111	107	109	171	168	170
3	118	116	117	132	117	126	114	111	113	171	167	169
4	118	115	117	134	131	132	120	114	117	171	156	164
5	117	113	116	135	131	132	124	119	122	162	156	160
6	116	114	115	137	133	135	131	121	124	163	159	161
7	114	90	105	139	136	137	127	121	124	169	163	165
8	90	79	82	141	138	139	126	120	123	---	---	---
9	84	80	82	143	140	142	125	123	124	---	---	---
10	89	84	86	146	140	143	129	124	127	172	169	171
11	92	89	91	149	144	146	130	122	127	173	169	171
12	99	92	96	151	146	148	126	113	121	176	172	174
13	100	97	98	153	149	151	113	105	108	177	173	175
14	100	98	100	153	149	151	112	106	110	176	173	175
15	103	100	102	155	151	153	117	112	115	176	174	175
16	105	102	103	154	150	152	123	117	119	177	175	176
17	107	104	105	153	152	152	127	122	124	178	174	176
18	108	106	107	155	152	153	131	127	128	178	174	177
19	115	108	110	156	154	155	134	129	132	186	176	179
20	114	112	112	157	155	155	138	134	136	183	178	181
21	116	113	114	158	153	157	144	138	140	183	181	182
22	116	113	115	153	78	98	146	142	144	185	181	183
23	117	107	113	98	85	92	149	144	146	185	181	184
24	112	106	109	106	98	102	152	149	150	184	181	183
25	112	108	110	111	105	108	160	152	156	184	182	183
26	109	106	108	114	88	108	163	159	161	186	183	185
27	109	107	108	88	55	67	166	161	163	188	186	187
28	108	107	108	79	65	73	173	165	168	189	187	188
29	---	---	---	88	79	84	176	172	175	190	187	189
30	---	---	---	95	88	92	175	169	173	189	183	186
31	---	---	---	102	95	98	---	---	---	184	182	183
MONTH	130	79	106	158	55	126	176	102	133	---	---	---

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	184	179	182	198	196	197	169	166	168	184	178	181
2	186	179	182	203	198	201	169	166	168	186	183	184
3	179	146	159	205	202	204	171	168	170	187	185	186
4	151	145	148	205	202	204	172	170	171	188	187	187
5	153	150	151	203	185	197	176	172	174	190	186	188
6	156	128	152	185	173	179	180	176	178	189	187	188
7	166	117	151	180	177	178	185	180	183	190	187	188
8	161	155	158	180	178	179	188	185	187	188	185	187
9	159	157	157	179	177	178	190	186	188	188	186	187
10	164	159	162	179	178	179	186	180	183	189	185	187
11	165	163	163	182	179	181	181	178	180	190	187	188
12	167	164	165	183	180	181	180	178	179	190	188	189
13	---	---	---	184	176	182	181	178	179	191	189	190
14	---	---	---	180	177	178	181	176	179	191	187	189
15	176	171	174	183	179	182	180	178	179	190	188	189
16	176	174	175	196	144	181	179	177	178	189	188	188
17	176	173	174	144	112	123	178	171	174	190	188	189
18	176	174	175	126	124	125	173	172	172	192	189	190
19	179	176	178	131	125	128	176	173	174	194	191	193
20	181	179	180	137	131	133	182	176	179	197	194	195
21	183	180	182	138	123	135	185	182	184	196	193	195
22	186	183	185	147	129	137	187	185	186	196	195	196
23	189	185	187	149	147	148	187	171	181	197	194	196
24	190	188	189	150	149	150	178	164	170	197	122	187
25	192	189	191	154	150	152	184	178	181	135	77	95
26	192	190	191	157	153	155	188	184	187	103	83	94
27	192	188	190	161	157	160	189	184	187	117	103	110
28	191	190	190	162	159	161	184	181	182	125	117	120
29	197	191	192	164	162	163	182	178	180	133	124	129
30	200	196	198	166	163	165	179	178	179	140	133	136
31	---	---	---	167	165	166	179	177	178	---	---	---
MONTH	---	---	---	205	112	167	190	164	179	197	77	174

RED RIVER BASIN

347

07363000 SALINE RIVER AT BENTON

LOCATION.--Lat 34°34'05", long 92°06'37", in SW1/4NE1/4 sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, on left bank 0.8 mi west of Benton, 3.0 mi downstream from confluence of North Fork and Alum Fork, and at mile 198.1.

DRAINAGE AREA.--569 mi².

PERIOD OF RECORD.--October 1950 to September 1979, October 1983 to September 1984, October 2000 to current year. Annual maximum 1980-2000. Gage-height records collected at site 0.4 mi downstream since July 1938 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 260.91 ft above NGVD of 1929. July 6, 1938, to July 29, 1948, and Feb. 14 to Mar. 24, 1950, nonrecording gage; July 30, 1948, to Feb. 13, 1950, and Mar. 25, 1950, to July 13, 1950, water-stage recorder, all at site 0.4 mi downstream at datum 3.0 ft lower.

REMARKS.--Water-discharge records fair. Little Rock diverts about 35 ft³/s daily from Lake Winona on Alum Fork for municipal use and discharges sewage effluent into Arkansas River. Benton diverts about 7.5 ft³/s daily for municipal use just upstream from station. At times low flow is augmented by releases from Lake Norrell. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of about 32.0 ft, at former site and datum (from information by Arkansas State Highway and Transportation Department), or about 30.5 ft, at present site and datum, discharge, about 110,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	6730	4150	688	331	603	1010	280	257	64	30	19
2	45	7960	2370	917	355	573	865	264	314	58	27	18
3	43	3440	1610	4630	412	599	726	253	258	45	24	14
4	40	2360	1170	10000	388	605	643	243	235	41	22	10
5	40	1490	1030	5500	356	572	597	233	199	89	20	8.4
6	40	1010	1460	8340	348	523	1630	232	299	508	20	8.5
7	43	746	3020	5350	1270	489	1250	225	855	296	39	11
8	281	568	2150	4860	1610	481	886	216	437	162	42	9.8
9	3300	419	1420	2790	1070	432	753	212	314	121	47	8.7
10	1010	356	1050	1970	844	410	665	207	266	111	56	10
11	1460	2060	776	1520	730	403	2520	200	228	98	57	15
12	1070	1510	625	1200	669	387	2950	195	194	91	54	12
13	573	866	519	1700	657	371	1550	198	165	130	45	10
14	441	e631	457	1550	651	364	1050	198	146	121	43	13
15	396	e476	415	1060	609	359	803	194	120	78	38	11
16	371	426	405	827	567	355	680	191	104	164	37	9.9
17	321	387	386	706	531	347	605	184	114	509	37	9.3
18	3140	368	362	588	497	342	541	162	168	326	36	9.3
19	3730	617	328	512	486	338	490	159	126	234	36	9.5
20	1140	551	301	483	473	335	454	153	106	174	37	8.4
21	642	464	287	454	487	348	417	146	103	134	36	6.9
22	504	446	2230	424	476	4200	395	142	97	149	33	7.8
23	1150	2370	2630	390	796	2650	369	139	97	165	31	8.9
24	953	8990	1620	367	1420	1410	339	137	98	123	32	66
25	585	4230	1150	339	864	967	332	137	95	95	37	1020
26	468	2240	897	331	716	958	319	139	88	63	37	971
27	539	1720	842	311	652	7380	310	139	83	47	39	250
28	1820	1440	843	297	627	5930	302	138	76	48	30	138
29	1040	1670	847	302	---	2900	290	138	71	42	34	85
30	1680	6620	796	306	---	1900	285	140	56	38	26	55
31	6540	---	715	317	---	1340	---	135	---	33	23	---
TOTAL	33449	63161	36861	59029	18892	38871	24026	5729	5769	4357	1105	2833.4
MEAN	1079	2105	1189	1904	675	1254	801	185	192	141	35.6	94.4
MAX	6540	8990	4150	10000	1610	7380	2950	280	855	509	57	1020
MIN	40	356	287	297	331	335	285	135	56	33	20	6.9
AC-FT	66350	125300	73110	117100	37470	77100	47660	11360	11440	8640	2190	5620
CFSM	1.96	3.83	2.16	3.46	1.23	2.28	1.46	0.34	0.35	0.26	0.06	0.17
IN.	2.26	4.27	2.49	3.99	1.28	2.63	1.63	0.39	0.39	0.29	0.07	0.19

RED RIVER BASIN

07363000 SALINE RIVER AT BENTON--CONTINUED

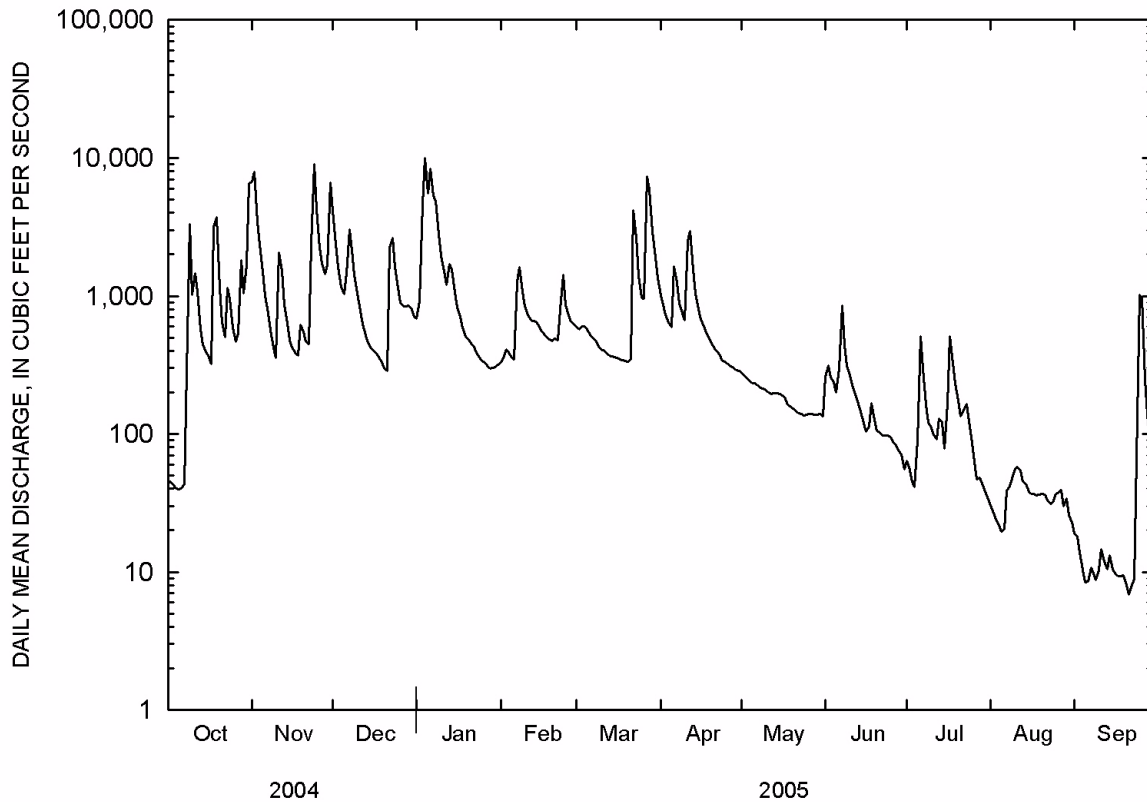
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-79, 1984, 2000-05, BY WATER YEAR (WY)

MEAN	201	687	988	1054	1324	1475	1334	1158	466	158	131	179
MAX	1415	3330	2529	3512	4935	4154	4631	5376	3930	888	951	1103
(WY)	1971	1974	1960	1969	1956	1973	1973	1968	1974	1951	1966	1973
MIN	16.0	49.1	72.3	81.3	242	215	197	114	33.4	3.22	3.59	1.28
(WY)	1957	1954	1966	1964	1963	1954	1972	1959	1954	1954	1954	1954

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1951-79, 1984, 2000-05

ANNUAL TOTAL		307903		294082.4								
ANNUAL MEAN		841		806					760			
HIGHEST ANNUAL MEAN									1646		1973	
LOWEST ANNUAL MEAN									282		1963	
HIGHEST DAILY MEAN		10700	Mar 5	10000	Jan 4	66000	Jan 30 1969					
LOWEST DAILY MEAN		24	Sep 21	6.9	Sep 21	0.00	Jul 23 1954					
ANNUAL SEVEN-DAY MINIMUM		31	Sep 16	8.6	Sep 17	0.04	Jul 23 1954					
MAXIMUM PEAK FLOW				11100	Jan 4	100000	Jan 30 1969					
MAXIMUM PEAK STAGE				15.58	Jan 4	29.68	Jan 30 1969					
INSTANTANEOUS LOW FLOW				4.8	Sep 24	0.00	Jan 1 1957					
ANNUAL RUNOFF (AC-FT)		610700		583300		550500						
ANNUAL RUNOFF (CFSM)		1.53		1.46		1.38						
ANNUAL RUNOFF (INCHES)		20.83		19.89		18.77						
10 PERCENT EXCEEDS		2170		1850		1560						
50 PERCENT EXCEEDS		388		356		210						
90 PERCENT EXCEEDS		51		34		30						

Estimated



RED RIVER BASIN

349

07363200 SALINE RIVER NEAR SHERIDAN

LOCATION.--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.--1,129 mi².

PERIOD OF RECORD.--October 1970 to October 1982, October 2001 to current year. Annual maximum 1983-2001.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	1710	6410	1520	825	2380	7240	320	472	44	70	56
2	43	2540	5690	1420	941	1470	5490	308	301	48	62	44
3	43	3410	6890	1490	1080	1090	3520	293	473	44	57	e39
4	43	7240	8000	1970	1190	981	2060	276	536	42	52	e37
5	43	9430	7130	2630	1190	1040	1320	255	373	47	48	e35
6	43	8840	6000	3860	1070	1020	1070	235	291	54	44	e34
7	43	7060	5080	9380	1080	902	1290	218	231	160	42	e32
8	59	5400	4360	13400	1820	813	1880	204	588	531	38	e31
9	106	3590	4110	13500	2580	745	2100	192	987	479	36	e30
10	602	2040	4640	12500	3220	697	1890	182	775	304	36	e29
11	1600	1430	5280	10200	3730	653	1820	173	519	193	38	e26
12	1780	1670	4870	7870	3560	611	3040	168	379	137	37	e25
13	1680	2220	3650	6640	2550	576	3490	159	289	106	e38	e24
14	1490	2630	2500	5660	1630	538	4540	150	222	88	e37	e22
15	1030	2690	1610	4960	1300	498	5850	144	170	79	e35	e22
16	674	2040	1180	4670	1150	466	5270	134	137	172	e33	e22
17	530	1310	977	4320	1010	452	3580	125	117	121	e31	e22
18	473	1000	874	3500	882	435	1990	119	99	159	e31	e22
19	458	1150	805	2530	785	428	1180	115	93	593	e34	e20
20	1280	1300	749	1760	735	428	866	104	101	517	e36	e20
21	1860	1470	698	1410	764	432	727	93	93	380	e40	e20
22	2040	1440	739	1230	852	512	637	87	88	280	e43	e20
23	1650	1450	1340	1100	950	948	560	79	75	218	e40	e45
24	1110	2910	2160	975	1760	1940	498	74	68	180	e39	e55
25	1260	3490	2710	879	2610	2490	446	73	64	223	e37	e63
26	1340	4680	3160	820	3290	2780	411	74	60	196	e37	101
27	1050	8620	3260	769	4120	2230	394	71	52	142	e37	777
28	781	10100	2740	728	3660	2180	373	72	51	114	e38	1060
29	856	8190	2040	706	---	2760	351	79	48	92	43	615
30	1380	7120	1750	714	---	4160	333	135	46	81	48	359
31	1470	---	1620	770	---	7460	---	520	---	75	47	---
TOTAL	26860	118170	103022	123881	50334	44115	64216	5231	7798	5899	1284	3707
MEAN	866	3939	3323	3996	1798	1423	2141	169	260	190	41.4	124
MAX	2040	10100	8000	13500	4120	7460	7240	520	987	593	70	1060
MIN	43	1000	698	706	735	428	333	71	46	42	31	20
AC-FT	53280	234400	204300	245700	99840	87500	127400	10380	15470	11700	2550	7350
CFSM	0.77	3.51	2.96	3.56	1.60	1.27	1.91	0.15	0.23	0.17	0.04	0.11
IN.	0.89	3.91	3.41	4.10	1.67	1.46	2.13	0.17	0.26	0.20	0.04	0.12

RED RIVER BASIN

07363200 SALINE RIVER NEAR SHERIDAN--CONTINUED

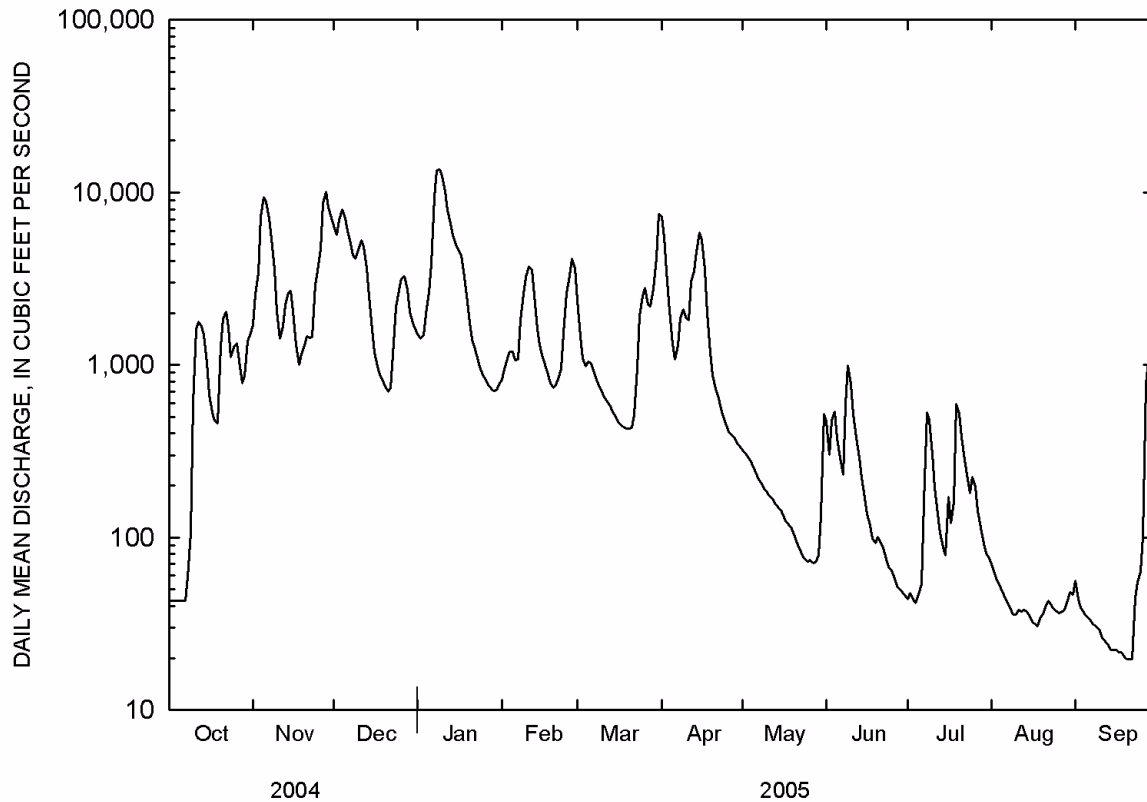
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971-82, 2001-05, BY WATER YEAR (WY)

MEAN	259	1612	2530	2174	2347	3032	2853	1850	1421	344	227	300
MAX	919	5682	6579	4775	4216	6544	10500	6308	7770	915	1177	1627
(WY)	1974	1973	2002	1973	1975	1973	1973	1979	1974	1981	1971	1973
MIN	49.9	119	233	280	618	776	452	169	77.4	55.3	30.7	45.3
(WY)	1983	1976	1982	1981	1972	1972	1972	2005	1972	1980	1972	1982

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1971-82, 2001-05	
ANNUAL TOTAL	633546		554517			
ANNUAL MEAN	1731		1519		1574	
HIGHEST ANNUAL MEAN					3369 1973	
LOWEST ANNUAL MEAN					565 1972	
HIGHEST DAILY MEAN	10100	Nov 28	13500	Jan 9	55800	Jun 10 1974
LOWEST DAILY MEAN	43	Sep 23	20	Sep 19	5.5	Sep 15 1980
ANNUAL SEVEN-DAY MINIMUM	43	Oct 1	21	Sep 16	8.5	Sep 9 1980
MAXIMUM PEAK FLOW			13700	Jan 9	173900	Dec 28 1987
MAXIMUM PEAK STAGE			16.34	Jan 9	22.66	Dec 28 1987
ANNUAL RUNOFF (AC-FT)	1257000		1100000		1140000	
ANNUAL RUNOFF (CFSM)	1.54		1.35		1.40	
ANNUAL RUNOFF (INCHES)	20.99		18.37		19.04	
10 PERCENT EXCEEDS	4640		4430		4320	
50 PERCENT EXCEEDS	1060		653		530	
90 PERCENT EXCEEDS	77		39		60	

¹Occurred during period of computation of annual maximum only, water years 1983-01

^eEstimated



RED RIVER BASIN

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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 NGVD of 1929. Nov. 30, 1948, to Dec. 31, 1964, water-stage recorder at present site and at datum then in use.

REMARKS.--Water-discharge records are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	266	1640	332	285	330	724	e37	e21	e2.0	2.5	e5.0
2	e0.00	810	1680	305	317	263	368	e35	e14	e1.7	3.1	e3.0
3	e0.00	1040	1930	397	375	257	305	e33	10	e1.4	3.7	e1.0
4	e0.00	1280	1580	712	405	362	233	e31	11	e1.1	2.9	e0.50
5	e0.00	1990	838	969	330	316	188	e29	20	e0.80	e2.3	e0.30
6	e0.00	1700	754	1420	272	249	229	e28	16	e0.50	e2.0	e0.20
7	e0.00	761	1070	2150	382	205	491	e26	14	e0.30	e1.7	e0.10
8	e2.2	294	1350	2840	814	187	569	e24	59	250	e1.4	e0.00
9	e14	216	1470	3010	1070	178	399	e22	141	100	e1.1	e0.00
10	52	181	1480	2700	1430	176	276	e21	73	43	e0.80	e0.00
11	119	349	941	2110	918	164	607	e20	38	25	e0.50	e0.00
12	95	750	526	1460	404	149	1990	e19	23	17	e0.30	e0.00
13	130	786	401	1120	312	139	2630	e18	15	14	e0.20	e0.00
14	83	680	343	1250	295	122	2570	e17	12	12	e0.10	e0.00
15	49	362	298	1410	274	103	1870	e16	11	12	e0.00	e0.00
16	37	247	275	1610	229	96	935	e14	8.4	49	e0.00	e0.00
17	31	208	261	912	195	86	354	e14	7.2	76	e0.00	e0.00
18	27	207	254	540	166	84	269	e13	6.3	63	e0.00	e0.00
19	25	377	241	449	150	85	219	e12	9.9	85	e0.00	e0.00
20	117	509	227	413	146	89	177	e11	41	44	e0.00	e0.00
21	299	446	213	387	223	91	124	e11	25	29	e0.00	e0.00
22	198	341	255	355	300	227	102	e10	17	20	e0.00	e0.00
23	109	443	645	322	395	484	88	e9.6	13	16	e0.00	e0.00
24	122	1590	803	294	1230	599	e72	e9.3	9.7	13	e0.00	e2.0
25	272	1740	e802	271	2010	488	e62	e9.1	7.0	11	e0.00	6.4
26	199	2280	e539	262	2340	281	e58	e9.0	6.2	8.1	e0.00	20
27	139	2360	426	250	1160	296	55	e8.9	4.5	7.3	e0.00	112
28	124	1850	406	228	457	889	e49	e9.2	3.5	6.1	e1.5	82
29	163	1100	405	225	---	1110	e43	e14	2.6	5.1	e3.0	35
30	172	1130	396	250	---	1480	e40	e60	e2.3	3.9	e4.0	18
31	167	---	371	268	---	1510	---	e56	---	3.1	e4.0	---
TOTAL	2745.20	26293	22820	29221	16884	11095	16096	646.1	641.6	920.40	35.10	285.50
MEAN	88.6	876	736	943	603	358	537	20.8	21.4	29.7	1.13	9.52
MAX	299	2360	1930	3010	2340	1510	2630	60	141	250	4.0	112
MIN	0.00	181	213	225	146	84	40	8.9	2.3	0.30	0.00	0.00
AC-FT	5450	52150	45260	57960	33490	22010	31930	1280	1270	1830	70	566

RED RIVER BASIN

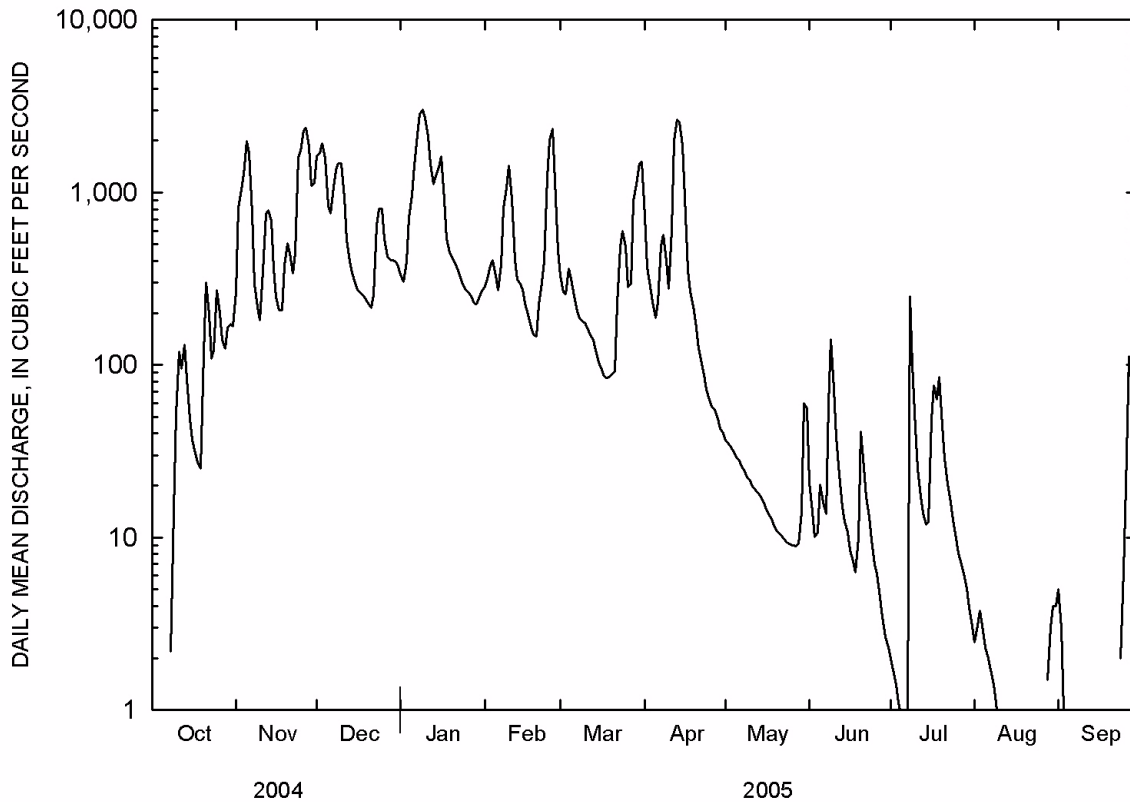
07363400 HURRICANE CREEK BELOW SHERIDAN--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	47.7	157	422	410	636	715	492	163	257	56.0	21.3	14.0
MAX	159	876	1769	943	1536	1852	2035	461	1416	241	131	55.9
(WY)	2002	2005	2002	2005	2001	2002	1997	2002	2003	2004	1996	1998
MIN	0.00	1.10	12.5	13.4	32.8	102	72.2	20.7	5.63	2.19	0.00	0.00
(WY)	1996	2000	1996	2000	2000	1996	2003	1998	1998	1998	2000	1999

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	130111.89		127682.90			
ANNUAL MEAN	355		350		281	
HIGHEST ANNUAL MEAN					496 2002	
LOWEST ANNUAL MEAN					49.3 2000	
HIGHEST DAILY MEAN	3460	Jan 27	3010	Jan 9	20100	Apr 6 1997
LOWEST DAILY MEAN	0.00	Sep 25	0.00	Oct 1	0.00	Oct 1 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 25	0.00	Oct 1	0.00	Oct 1 1995
MAXIMUM PEAK FLOW			3050	Jan 9	¹ 26400	Apr 6 1997
MAXIMUM PEAK STAGE			12.29	Jan 9	16.34	Apr 6 1997
INSTANTANEOUS LOW FLOW			0.00 at times		0.00	at times
ANNUAL RUNOFF (AC-FT)	258100		253300		203300	
10 PERCENT EXCEEDS	1060		1140		779	
50 PERCENT EXCEEDS	144		103		48	
90 PERCENT EXCEEDS	1.3		0.06		0.20	

¹From rating curve extended above 7,500 ft³/s on basis of contracted-opening measurement of peak flow
^eEstimated



RED RIVER BASIN

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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 U.S. Highway 63, 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.--October 1937 to current year.

REVISED RECORDS.--WDR Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above NGVD of 1929. Prior to May 30, 1939, non-recording gage at present site and datum.

REMARKS.--Records good except estimated daily discharges, which are fair. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	1730	9690	3890	2000	4440	4640	560	212	84	120	40
2	42	2710	10600	3430	2280	4620	4650	548	613	82	109	48
3	45	3580	11800	3050	2910	4770	4980	533	552	76	100	50
4	44	3900	13200	2880	3040	4570	5620	474	399	69	92	52
5	43	3940	13400	3070	2900	3390	6210	434	488	71	84	52
6	42	3910	12900	3580	2670	2150	6480	405	535	79	75	46
7	41	4130	13000	4830	2550	1890	6030	373	419	83	72	38
8	60	4750	12800	7360	3280	1780	4370	345	339	89	68	34
9	97	5610	12600	8190	3710	1650	2780	327	302	106	e62	32
10	163	6370	12300	8680	3980	1550	2670	306	641	490	56	30
11	283	7030	11600	9580	4160	1470	3600	289	994	592	52	29
12	1060	7390	10700	11200	4210	1370	7090	275	857	440	52	28
13	1780	7320	9570	16200	4290	1260	7600	260	604	306	48	26
14	1960	7020	8440	20700	4460	1130	7260	251	445	234	43	25
15	1930	6280	7460	20500	4590	1030	6700	243	351	187	41	25
16	1740	5150	6610	18400	4420	937	6230	229	286	154	40	26
17	1280	4160	5860	16000	3510	849	5900	220	244	136	40	24
18	857	3810	4750	13800	2370	781	5930	211	213	172	38	23
19	653	5170	2970	11800	1810	744	6120	202	180	210	36	23
20	555	5660	1900	10200	1570	712	6130	192	157	249	37	23
21	653	5440	1570	8960	1540	698	5560	184	142	577	36	22
22	1360	5050	2120	7710	1670	1560	3580	174	140	574	35	22
23	1860	4750	4740	6030	1840	3510	1620	162	144	441	36	22
24	2090	5780	5180	3990	2670	4150	1090	154	149	337	45	25
25	1970	7390	4950	2520	3370	4230	897	146	139	273	45	39
26	1560	8410	4690	1990	3780	4370	789	140	125	231	40	49
27	1530	8840	4440	1740	4130	4350	698	135	111	238	39	53
28	1560	8650	4290	1620	4280	4260	630	137	104	264	35	59
29	1320	8170	4260	1820	---	4590	590	187	95	201	37	588
30	1040	8460	4300	1830	---	4770	581	197	86	163	41	1000
31	1240	---	4220	1830	---	4770	---	161	---	137	39	---
TOTAL	28897	170560	236910	237380	87990	82351	127025	8454	10066	7345	1693	2553
MEAN	932	5685	7642	7657	3142	2656	4234	273	336	237	54.6	85.1
MAX	2090	8840	13400	20700	4590	4770	7600	560	994	592	120	1000
MIN	39	1730	1570	1620	1540	698	581	135	86	69	35	22
AC-FT	57320	338300	469900	470800	174500	163300	252000	16770	19970	14570	3360	5060
CFSM	0.44	2.70	3.64	3.64	1.50	1.26	2.01	0.13	0.16	0.11	0.03	0.04
IN.	0.51	3.02	4.19	4.20	1.56	1.46	2.25	0.15	0.18	0.13	0.03	0.05

RED RIVER BASIN

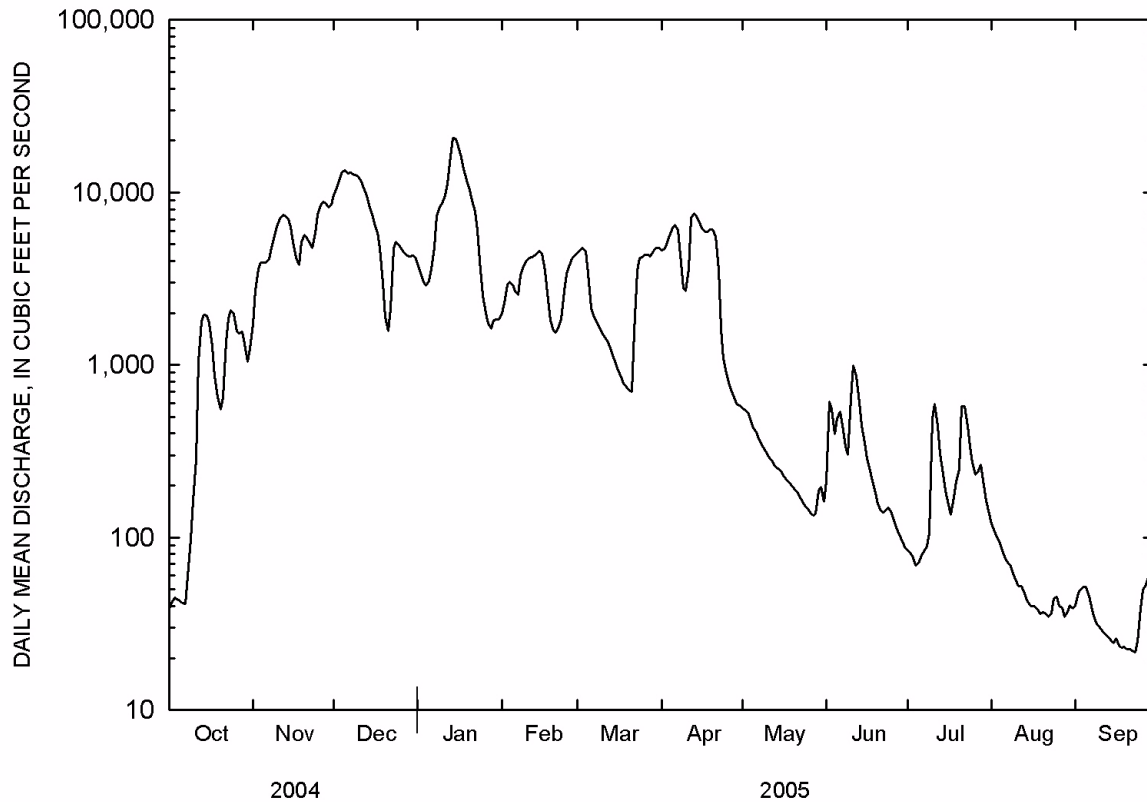
07363500 SALINE RIVER NEAR RYE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	493	1230	3065	3805	5092	5450	5153	4427	1572	605	276	324
MAX	10570	9690	13540	14830	16710	13920	16340	21470	11950	8191	1573	4511
(WY)	1985	1958	2002	1946	1950	1945	1973	1958	1974	1989	1971	1950
MIN	15.4	50.7	111	143	307	706	640	273	80.5	32.5	10.6	4.95
(WY)	1939	1940	1940	1956	2000	1940	1972	2005	1972	1954	1954	1954

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	1155168		1001224			
ANNUAL MEAN	3156		2743		2612	
HIGHEST ANNUAL MEAN					5436 1973	
LOWEST ANNUAL MEAN					704 1972	
HIGHEST DAILY MEAN	13400	Dec 5	20700	Jan 14	72500	May 18 1968
LOWEST DAILY MEAN	37	Sep 29	22	Sep 21	3.8	Sep 16 1954
ANNUAL SEVEN-DAY MINIMUM	40	Sep 26	23	Sep 17	4.0	Sep 15 1954
MAXIMUM PEAK FLOW			21200	Jan 14	74500	May 18 1968
MAXIMUM PEAK STAGE			24.40	Jan 14	31.40	May 18 1968
INSTANTANEOUS LOW FLOW			22	Sep 17-18,20-24	3.5	Sep 27 1954
ANNUAL RUNOFF (AC-FT)	2291000		1986000		1892000	
ANNUAL RUNOFF (CFSM)	1.50		1.30		1.24	
ANNUAL RUNOFF (INCHES)	20.44		17.72		16.88	
10 PERCENT EXCEEDS	7390		7390		7420	
50 PERCENT EXCEEDS	2120		1060		684	
90 PERCENT EXCEEDS	113		41		65	

^eEstimated



RED RIVER BASIN

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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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage 144.13 ft above NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges and discharges after September 1, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	222	2540	591	509	623	854	86	235	81	234	120
2	5.8	454	2690	562	527	610	821	115	190	77	191	125
3	5.7	615	2720	545	591	608	773	94	134	74	145	120
4	5.6	751	2650	558	637	608	723	67	97	74	109	106
5	5.4	884	2520	587	643	597	670	50	80	80	83	93
6	5.1	900	2390	611	618	571	632	36	69	95	75	80
7	5.0	809	2490	767	591	531	589	28	70	140	83	e75
8	5.1	699	2630	1240	618	482	537	30	106	303	89	69
9	6.8	603	2670	1600	702	442	469	42	237	396	89	65
10	71	526	2630	1810	763	407	392	54	273	400	86	59
11	380	470	2490	1880	772	361	391	64	227	328	80	e58
12	562	426	2280	1860	752	315	733	70	165	239	74	53
13	702	440	2050	2010	718	279	1080	89	130	156	68	51
14	759	464	1810	2300	681	241	1390	103	112	116	68	48
15	696	432	1590	2450	647	207	1530	81	112	112	68	47
16	566	369	1370	2480	617	181	1470	81	121	113	65	48
17	417	307	1180	2390	587	167	1350	109	126	127	62	44
18	286	288	1010	2260	555	160	1230	99	137	196	66	40
19	193	377	853	2110	516	152	1130	84	163	308	95	36
20	139	526	720	1970	490	143	1030	73	193	344	116	33
21	108	742	605	1830	486	131	940	65	171	348	113	29
22	86	918	607	1690	468	167	843	60	132	318	93	26
23	111	1000	786	1540	437	313	744	55	99	329	78	22
24	147	1220	e866	1390	458	522	648	50	83	366	70	21
25	172	1520	e839	1250	557	645	546	47	79	343	78	219
26	151	1840	796	1110	643	672	441	48	88	277	96	369
27	100	2090	748	976	659	668	330	58	105	207	95	515
28	62	2180	717	847	645	690	232	68	107	179	117	611
29	38	2160	695	746	---	756	147	101	99	193	173	606
30	26	2280	666	668	---	828	107	146	91	232	174	511
31	103	---	628	586	---	859	---	210	---	251	144	---
TOTAL	5925.5	26512	49236	43214	16887	13936	22772	2363	4031	6802	3177	4299
MEAN	191	884	1588	1394	603	450	759	76.2	134	219	102	143
MAX	759	2280	2720	2480	772	859	1530	210	273	400	234	611
MIN	5.0	222	605	545	437	131	107	28	69	74	62	21
AC-FT	11750	52590	97660	85710	33500	27640	45170	4690	8000	13490	6300	8530
CFSM	0.50	2.33	4.18	3.67	1.59	1.18	2.00	0.20	0.35	0.58	0.27	0.38
IN.	0.58	2.60	4.82	4.23	1.65	1.36	2.23	0.23	0.39	0.67	0.31	0.42

RED RIVER BASIN

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

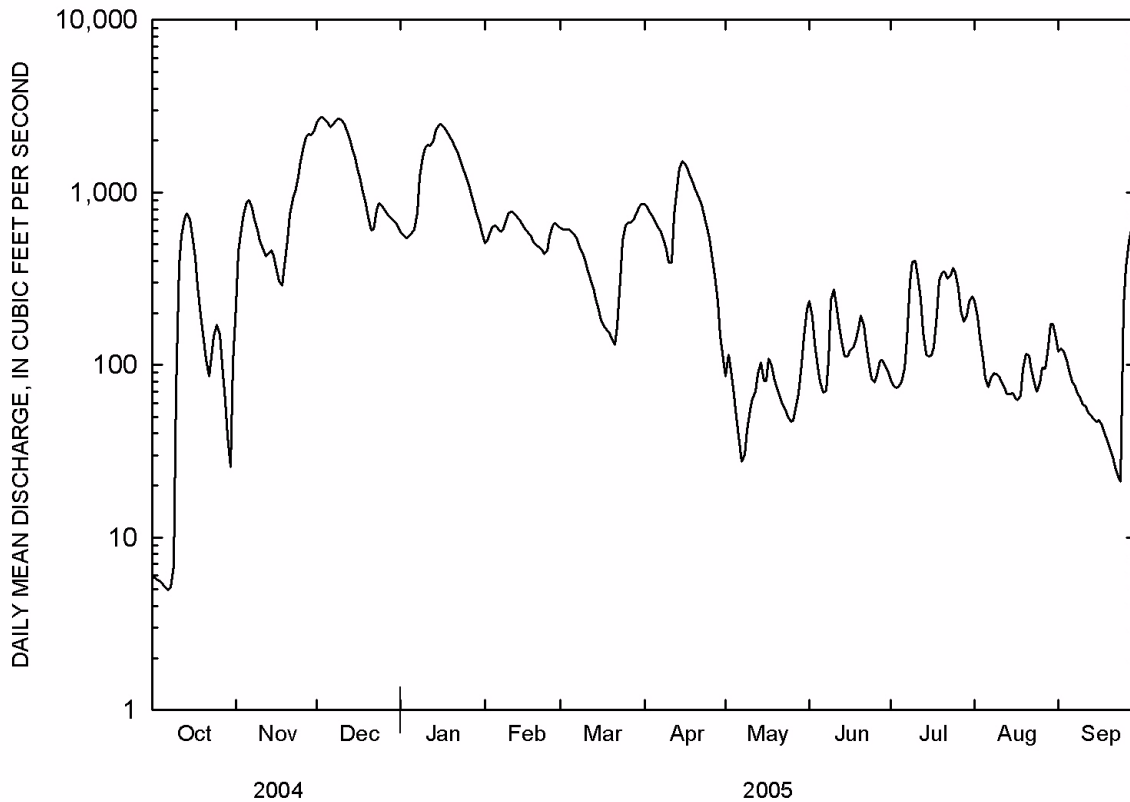
MEAN	124	294	755	941	965	1119	838	532	312	325	138	49.6
MAX	685	959	2992	2748	2861	3057	2297	1938	1198	2488	419	143
(WY)	2002	1988	2002	1988	1990	1997	1991	1991	2003	1989	1989	2005
MIN	1.53	3.03	29.1	27.5	83.0	321	55.8	55.2	0.00	0.00	0.00	0.00
(WY)	1996	1996	2004	2000	2000	1988	2003	1988	1994	1994	1994	1994

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1988 - 2005

ANNUAL TOTAL	231250.9		199154.5		WATER YEARS 1988 - 2005		
ANNUAL MEAN	632		546		537		
HIGHEST ANNUAL MEAN					966 1989		
LOWEST ANNUAL MEAN					174 1996		
HIGHEST DAILY MEAN	2720	Dec 3	2720	Dec 3	5210	Mar 7	1997
LOWEST DAILY MEAN	5.0	Oct 7	5.0	Oct 7	0.00	May 12	1994
ANNUAL SEVEN-DAY MINIMUM	5.4	Oct 2	5.4	Oct 2	0.00	May 12	1994
MAXIMUM PEAK FLOW			2730 Dec 3		5220 Mar 7 1997		
MAXIMUM PEAK STAGE			17.43 Dec 3		22.36 Dec 23 2001		
INSTANTANEOUS LOW FLOW			4.8 Oct 8		0.24 ¹ Oct 21 1995		
ANNUAL RUNOFF (AC-FT)	458700		395000		389000		
ANNUAL RUNOFF (CFSM)	1.66		1.44		1.41		
ANNUAL RUNOFF (INCHES)	22.64		19.50		19.20		
10 PERCENT EXCEEDS	1490		1520		1560		
50 PERCENT EXCEEDS	500		328		184		
90 PERCENT EXCEEDS	21		59		15		

¹Also December 24, 2001

^eEstimated



RED RIVER BASIN

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07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1998 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004													
12...	1430	80513	80020	581	10	767	4.8	51	7.5	221	19.4	71	18.2
26...	0915	80513	80020	105	30	768	9.9	111	7.0	109	21.3	32	8.14
NOV													
03...	1215	80513	80020	618	10	767	3.3	36	7.1	106	19.8	31	7.64
30...	1115	80513	80020	2260	10	775	6.2	58	7.2	53	12.6	15	3.84
JAN 2005													
18...	1315	80513	80020	57	10	785	10.4	85	7.0	52	7.6	15	3.70
FEB													
22...	1100	80513	80020	471	10	772	8.3	78	6.8	70	13.4	19	4.74
MAR													
29...	1100	80513	80020	752	10	773	7.1	69	7.2	60	14.7	16	4.09
MAY													
04...	0645	80513	80020	71	30	774	5.7	57	7.2	151	16.6	50	12.7
JUN													
08...	0735	80513	80020	85	30	763	3.2	40	7.3	341	26.2	99	24.9
AUG													
02...	1130	80513	80020	192	30	760	6.9	87	7.6	384	26.9	140	36.8
Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 2004													
12...	6.20	5.78	.6	11.8	25	20.1	.1	9.6	138	.97	.05	.04	.801
26...	2.93	5.44	.4	5.16	22	5.32	E.1	7.6	78	.66	--	E.03	--
NOV													
03...	2.96	6.03	.3	4.49	20	5.49	E.1	5.1	79	.85	--	<.04	--
30...	1.39	2.90	.3	2.35	21	2.01	<.1	3.3	53	.72	--	<.04	--
JAN 2005													
18...	1.32	2.26	.3	2.90	26	2.49	<.1	4.4	41	.62	--	E.03	--
FEB													
22...	1.73	2.15	.4	4.30	30	3.93	E.1	6.6	62	.70	--	E.04	--
MAR													
29...	1.47	2.10	.4	3.68	30	3.13	<.1	6.3	46	.78	--	E.04	--
MAY													
04...	4.50	3.44	.4	7.02	22	10.7	.1	6.9	101	.87	.08	.06	--
JUN													
08...	8.81	3.87	1	22.2	32	37.7	.2	18.4	198	.72	.10	.07	3.00
AUG													
02...	12.6	2.60	.8	22.1	25	34.1	.2	8.4	229	.56	--	E.03	--
Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF MF, col/100 mL (31673)
OCT 2004													
12...	.18	.19	.039	.012	.93	.399	.13	.15	.21	1.2	440	460	290
26...	--	.09	--	E.005	--	.368	.12	.14	.22	.76	E150	200	138
NOV													
03...	--	.14	--	<.008	--	.699	.23	.26	.41	1.0	440	280	3400
30...	--	E.04	--	<.008	--	.288	.09	.12	.19	--	E120	E120	1260
JAN 2005													
18...	--	.08	--	E.005	--	.169	.06	.08	.17	.70	E58	E70	112
FEB													
22...	--	.17	--	<.008	--	.129	.04	.05	.19	.87	190	160	132
MAR													
29...	--	.21	--	<.008	--	.141	.05	.06	.21	.99	310	210	240
MAY													
04...	--	.42	--	E.004	.81	.163	.05	.07	.32	1.3	170	84	104
JUN													
08...	.68	.69	.046	.014	.65	.147	.05	.05	.12	1.4	E190	E180	E204
AUG													
02...	--	.23	--	<.008	--	.163	.05	.09	.14	.79	120	100	--

RED RIVER BASIN

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)
OCT 2004				
12...	85	47	74	3052
26...	88	26	7.4	3070
NOV				
03...	80	37	62	3052
30...	84	37	226	3052
JAN 2005				
18...	94	60	9.2	3052
FEB				
22...	96	41	52	3052
MAR				
29...	98	58	118	3052
MAY				
04...	98	57	11	3070
JUN				
08...	88	37	8.5	3070
AUG				
02...	95	28	15	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

359

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 278, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, at mile 200.5.

DRAINAGE AREA.--576 mi².

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.--WDR Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above NGVD of 1929. 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.--Water-discharge records poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	e821	2710	e1170	1090	695	662	491	e171	58	222	106
2	9.4	e1410	2890	e1150	1130	686	692	406	e177	56	208	104
3	9.5	e1660	3020	e1110	1140	676	716	341	e170	53	187	103
4	9.7	1810	3140	e1060	1100	659	735	273	169	53	167	101
5	9.7	1850	3210	1000	1030	638	742	211	158	52	151	99
6	9.8	1810	3260	972	959	619	787	165	146	52	138	92
7	9.8	1730	3400	1050	904	611	814	132	132	51	127	82
8	10	1630	3450	1260	895	599	816	108	116	50	115	72
9	17	1510	3530	1420	875	585	792	92	99	52	100	60
10	231	1380	3590	1590	853	572	745	81	90	67	85	51
11	799	1270	3610	1770	829	552	749	72	79	90	70	44
12	1020	1200	3590	1930	811	530	871	64	68	108	60	38
13	1000	1120	3530	2330	797	498	907	60	57	132	54	34
14	900	1020	3400	2570	783	458	946	e97	65	161	52	31
15	802	918	3230	2650	768	414	1020	e105	88	181	51	28
16	737	826	3010	2730	753	368	1140	e91	100	191	52	26
17	700	747	2780	2790	734	324	1280	e104	101	191	54	24
18	674	685	2530	2800	706	283	1400	e134	95	172	57	23
19	645	690	2280	2740	675	248	1440	e122	87	144	53	22
20	601	721	2050	e2640	647	216	1430	e118	82	132	54	21
21	541	758	1840	e2510	625	188	1370	e116	82	137	58	20
22	469	821	e1550	2360	609	200	1300	e112	85	164	60	20
23	393	926	e1360	e2190	611	239	1210	e108	88	185	58	19
24	336	1220	e1180	e2010	666	264	1120	e106	93	200	58	20
25	273	1440	e1030	1880	713	275	1020	e95	94	211	62	83
26	225	1590	e1040	1730	730	288	940	e87	92	215	69	412
27	204	1740	e1270	1590	722	324	850	e89	87	217	86	679
28	203	1890	e1390	1460	706	431	758	e97	77	230	101	778
29	205	2020	e1350	1370	---	520	667	e98	67	235	103	801
30	202	2390	e1290	1260	---	582	580	e121	62	236	106	788
31	191	---	e1220	1170	---	627	---	e139	---	231	107	---
TOTAL	11445.1	39603	76730	56262	22861	14169	28499	4435	3077	4307	2925	4781
MEAN	369	1320	2475	1815	816	457	950	143	103	139	94.4	159
MAX	1020	2390	3610	2800	1140	695	1440	491	177	236	222	801
MIN	9.2	685	1030	972	609	188	580	60	57	50	51	19
AC-FT	22700	78550	152200	111600	45340	28100	56530	8800	6100	8540	5800	9480
CFSM	0.64	2.29	4.30	3.15	1.42	0.79	1.65	0.25	0.18	0.24	0.16	0.28
IN.	0.74	2.56	4.96	3.63	1.48	0.92	1.84	0.29	0.20	0.28	0.19	0.31

RED RIVER BASIN

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE--CONTINUED

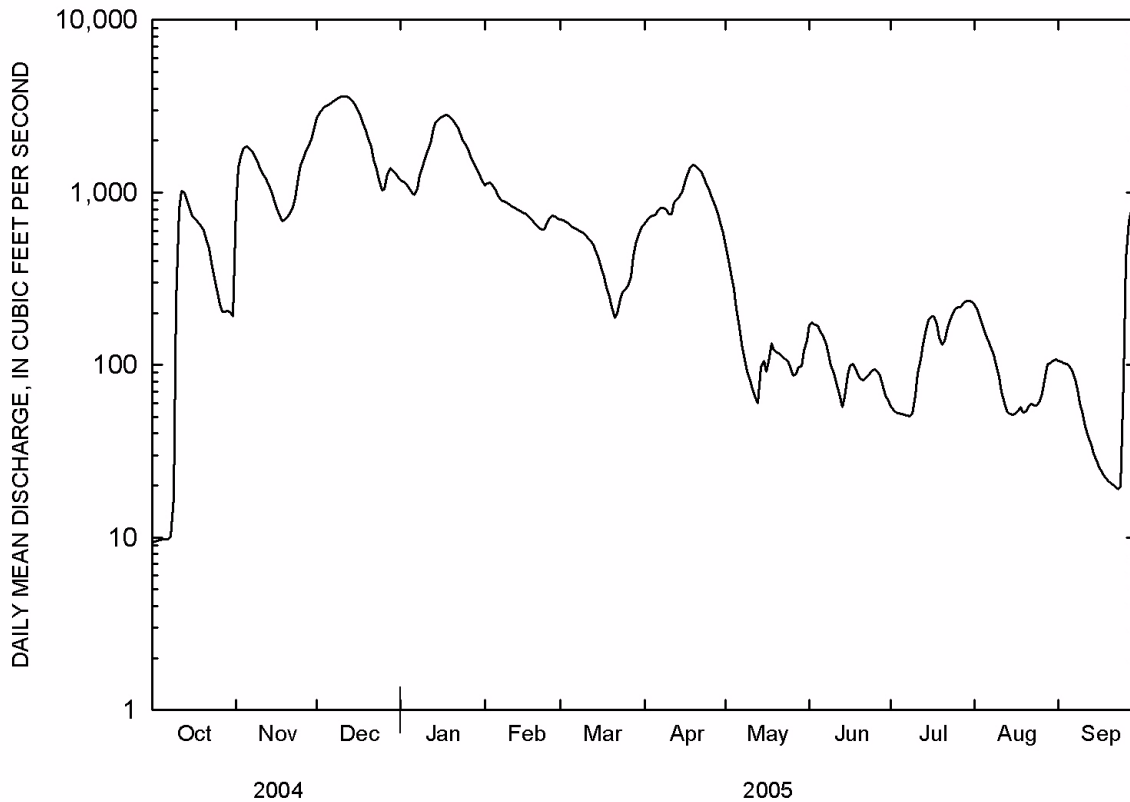
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-42, 1946-05, BY WATER YEAR (WY)

MEAN	177	348	794	1041	1399	1412	1191	1028	461	235	152	145
MAX	1491	2240	4142	3900	5085	4006	3127	5972	2575	3688	1032	1792
(WY)	1985	1958	2002	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	0.44	14.4
(WY)	1996	1996	1982	1966	2000	1954	1966	1965	1972	1954	1956	2000

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1939-42, 1946-05

ANNUAL TOTAL	351687.5		269094.1		695		
ANNUAL MEAN	961		737		1488		
HIGHEST ANNUAL MEAN					149		
LOWEST ANNUAL MEAN					1973		
HIGHEST DAILY MEAN	3610	Dec 11	3610	Dec 11	6870	May 11 1958	
LOWEST DAILY MEAN	9.0	Sep 30	9.2	Oct 1	0.20	Aug 15 1956	
ANNUAL SEVEN-DAY MINIMUM	9.4	Sep 29	9.6	Oct 1	0.20	Aug 15 1956	
MAXIMUM PEAK FLOW			3610	Dec 10-12	6870	May 11 1958	
MAXIMUM PEAK STAGE			19.20	Dec 12	¹ 25.49	May 11 1958	
INSTANTANEOUS LOW FLOW			9.0	Oct 1	0.20	Aug 15 1956	
ANNUAL RUNOFF (AC-FT)	697600		533700		503500		
ANNUAL RUNOFF (CFSM)	1.67		1.28		1.21		
ANNUAL RUNOFF (INCHES)	22.71		17.38		16.39		
10 PERCENT EXCEEDS	2360		1880		2010		
50 PERCENT EXCEEDS	692		469		245		
90 PERCENT EXCEEDS	35		54		31		

¹At present datum
^eEstimated



RED RIVER BASIN

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 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004 26...	1100	80513	80020	225	30	770	8.2	92	7.0	157	21.1	50	12.8
JAN 2005 18...	1530	80513	80020	2800	10	783	10.2	85	7.0	50	8.6	15	3.75
FEB 22...	1330	80513	80020	607	30	772	8.2	77	6.8	70	13.0	20	5.02
MAY 04...	0850	80513	80020	282	30	775	6.1	61	6.7	69	16.5	19	4.71
JUN 08...	0920	80513	80020	117	30	763	4.2	51	7.0	214	26.2	57	14.3
AUG 02...	1400	80513	80020	208	30	760	5.8	74	7.5	305	27.6	100	25.9

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 2004 26...	4.44	6.38	.5	8.71	25	10.4	E.1	9.7	106	.72	.07	.05	--
JAN 2005 18...	1.36	2.35	.3	2.70	25	2.33	E.1	4.0	41	.57	--	<.04	--
FEB 22...	1.85	2.35	.4	4.17	28	3.68	E.1	6.0	51	.65	--	E.03	--
MAY 04...	1.82	2.37	.4	3.75	27	3.50	E.1	5.0	57	.84	.05	.04	--
JUN 08...	5.23	4.32	.7	12.8	31	24.6	.1	13.0	135	.69	.09	.07	2.50
AUG 02...	9.00	3.04	.8	18.8	28	27.2	.2	6.5	185	.60	--	E.03	--

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci KF MF, col/100 mL (31673)
OCT 2004 26...	--	.10	--	E.005	.66	.346	.11	.13	.21	.82	160	210	134
JAN 2005 18...	--	.10	--	E.005	--	.178	.06	.07	.17	.67	84	100	116
FEB 22...	--	.23	--	<.008	--	.153	.05	.06	.22	.88	150	130	92
MAY 04...	--	.25	--	<.008	.80	.248	.08	.09	.33	1.1	120	88	136
JUN 08...	.56	.58	.056	.017	.62	.120	.04	.05	.17	1.3	E170	E160	196
AUG 02...	--	.39	--	E.004	--	.132	.04	.08	.15	1.0	88	98	--

Date	Suspnd. sediment, sieve diametr <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Sampler type, code (84164)
OCT 2004 26...	95	33	20	3070
JAN 2005 18...	93	55	416	3052
FEB 22...	95	45	74	3070
MAY 04...	97	55	42	3070
JUN 08...	98	56	18	3070
AUG 02...	98	39	22	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

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 160, 1.4 mi west of Portland.

DRAINAGE AREA.--1,109 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1998 to current year.

GAGE.--Water-stage and water-velocity recorder. Datum of gage is 86.85 ft above NGVD of 1929. Auxiliary water-stage recorder from September 1998 to October 2002, 7.8 mi upstream.

REMARKS.--Records fair except estimated daily discharges and discharges below 400 ft³/s, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	e474	4220	4160	3250	1400	913	1330	115	104	482	161
2	29	1210	4620	3980	3270	1410	915	1200	158	98	447	165
3	29	2210	5010	3720	3370	1390	982	1090	207	91	403	164
4	29	3160	5210	e3500	3360	1390	1010	994	261	84	355	157
5	29	3850	5290	e3320	3390	1340	1010	855	300	76	330	150
6	29	4090	5510	3160	3320	1300	1040	761	339	77	289	143
7	28	4140	5610	3050	3180	1260	1080	638	321	76	259	138
8	28	4160	5860	3220	3100	1200	1200	e567	e296	78	239	134
9	35	3990	6060	3380	2980	1140	1350	e448	e269	82	223	132
10	300	3740	6140	3620	2920	1180	1420	e353	e248	87	223	127
11	1030	3530	6160	3720	2870	1190	1440	e286	e224	92	215	118
12	1290	3440	6220	3680	2730	1160	1710	224	e207	89	199	105
13	1470	3320	6170	3880	2590	1130	1920	178	188	86	181	92
14	1630	3180	6000	4250	2440	1030	2170	145	166	92	161	80
15	1720	2990	6040	4760	2290	990	2240	128	144	121	136	71
16	1730	2830	6020	5320	2150	937	2190	116	118	196	112	66
17	1690	2650	5760	5200	2000	923	2080	107	100	279	95	60
18	1640	2490	5610	5330	1900	891	1960	104	97	329	87	54
19	1560	2320	5510	5300	1790	826	1900	112	111	322	80	48
20	1500	2150	5300	5150	1700	720	1850	127	130	298	78	45
21	1480	2020	5080	5130	1610	653	1830	138	137	275	83	41
22	1440	1960	4930	4910	1500	607	1830	141	134	254	89	38
23	1440	2020	5050	4600	1400	576	1780	137	122	239	92	36
24	1400	2450	4970	4580	1410	611	1760	129	114	229	102	35
25	1310	2980	5050	4360	1420	778	1780	122	107	224	114	188
26	1170	3440	4990	4240	1430	827	1770	105	105	236	119	615
27	1030	3700	4960	3980	1440	841	1700	90	105	256	115	888
28	902	3810	4800	3840	1410	901	1640	81	107	325	112	1010
29	770	3790	4650	3650	---	908	1540	86	111	428	115	968
30	647	3970	4450	3530	---	920	1410	93	111	497	128	961
31	522	---	4310	3390	---	909	---	100	---	494	147	---
TOTAL	27936	90064	165560	127910	66220	31338	47420	10985	5152	6214	5810	6990
MEAN	901	3002	5341	4126	2365	1011	1581	354	172	200	187	233
MAX	1730	4160	6220	5330	3390	1410	2240	1330	339	497	482	1010
MIN	28	474	4220	3050	1400	576	913	81	97	76	78	35
MED	1030	3170	5290	3980	2370	937	1700	138	136	196	136	130
AC-FT	55410	178600	328400	253700	131300	62160	94060	21790	10220	12330	11520	13860

RED RIVER BASIN

07364185 BAYOU BARTHOLOMEW NEAR PORTLAND

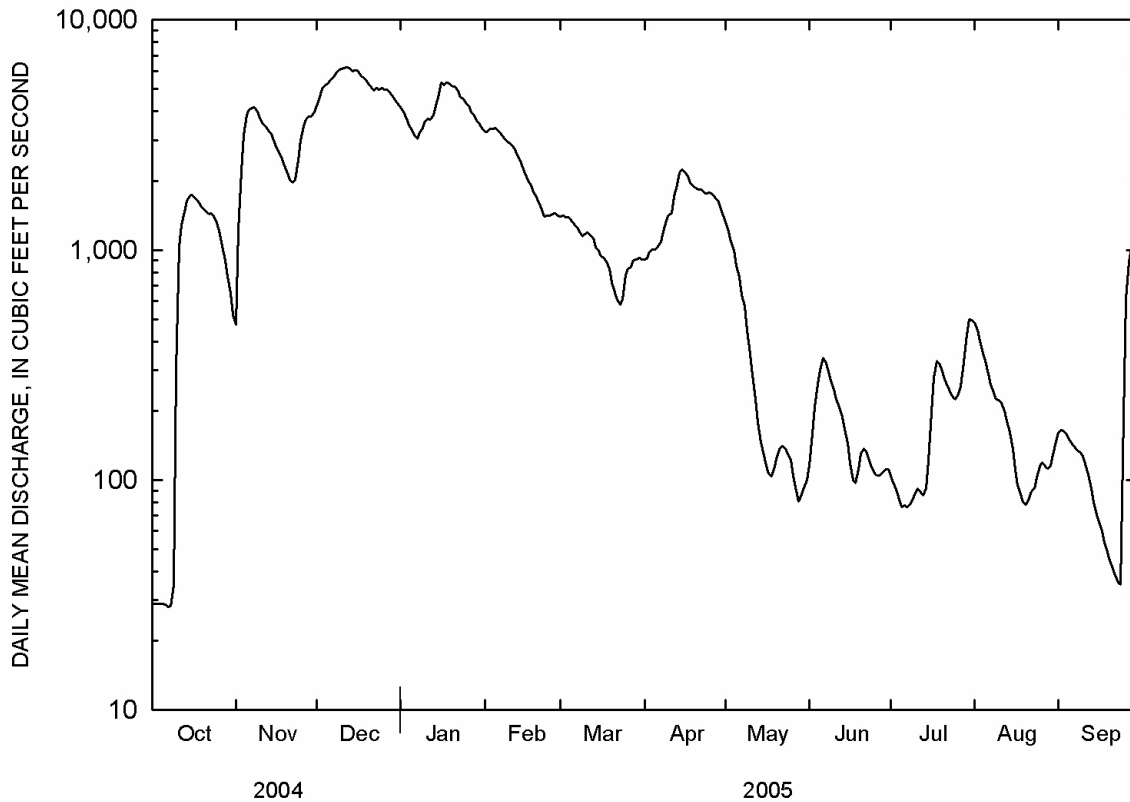
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	312	619	2127	2534	2759	2973	2271	962	633	789	165	109
MAX	1021	3002	5920	5126	5159	6299	4559	2049	1595	3602	496	266
(WY)	2002	2005	2002	2002	1999	2001	2002	2002	2003	2004	2004	2001
MIN	32.0	27.8	133	66.2	114	667	595	354	172	59.4	40.3	33.0
(WY)	2000	2000	2004	2000	2000	2000	2003	2005	2005	2000	2000	2000

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1999 - 2005

ANNUAL TOTAL		784761		591599								
ANNUAL MEAN		2144		1621					1349			
HIGHEST ANNUAL MEAN									2077		2002	
LOWEST ANNUAL MEAN									441		2000	
HIGHEST DAILY MEAN		6220	Dec 12	6220	Dec 12	7530	Mar 5 2001					
LOWEST DAILY MEAN		28	Oct 7	28	Oct 7	19	Oct 2 2002					
ANNUAL SEVEN-DAY MINIMUM		29	Oct 2	29	Oct 2	20	Sep 27 2002					
MAXIMUM PEAK FLOW				6950	Dec 10	7540	Mar 6 2001					
MAXIMUM PEAK STAGE				33.46	Dec 13	36.65	Dec 19 2001					
INSTANTANEOUS LOW FLOW				28	Oct 6-8	18	Oct 2 2002					
ANNUAL RUNOFF (AC-FT)		1557000		1173000		977100						
10 PERCENT EXCEEDS		5000		4610		4240						
50 PERCENT EXCEEDS		1440		990		355						
90 PERCENT EXCEEDS		79		90		42						

^eEstimated



ST. FRANCIS RIVER BASIN

07364185 BAYOU BARTHOLOMEW NEAR PORTLAND--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT 2004													
12...	1215	80513	80020	1310	10	767	4.5	49	7.0	86	20.1	24	5.99
26...	1330	80513	80020	1140	30	770	9.6	108	6.7	112	21.8	32	7.81
NOV													
03...	0915	80513	80020	2120	10	769	4.2	47	6.8	55	20.6	16	3.84
30...	1430	80513	80020	3810	10	775	5.9	55	7.0	53	12.9	15	3.65
JAN 2005													
19...	0715	80513	80020	5640	10	785	4.5	39	7.3	43	10.2	12	2.95
FEB													
22...	1440	80513	80020	1390	30	772	7.8	73	6.7	65	12.8	18	4.38
MAR													
29...	1400	80513	80020	924	40	771	6.7	66	7.2	61	15.7	16	4.01
MAY													
04...	1025	80513	80020	960	30	776	6.1	62	6.5	60	17.3	18	4.45
JUN													
07...	1430	80513	80020	334	30	765	3.4	43	6.5	126	27.8	32	8.09
AUG													
02...	1530	80513	80020	459	30	760	6.1	79	7.3	223	28.3	67	16.9

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia as N, fltrd, mg/L (00608)	Nitrate water, fltrd, mg/L (71851)
OCT 2004													
12...	2.17	4.70	.4	4.08	23	5.85	E.1	5.2	64	.93	--	E.03	--
26...	2.93	5.45	.5	5.82	25	8.73	<.1	7.2	79	.68	.05	.04	--
NOV													
03...	1.47	3.90	.2	2.22	19	2.87	<.1	2.9	54	.80	--	<.04	--
30...	1.36	3.05	.3	2.78	24	2.94	<.1	3.5	49	.67	--	<.04	--
JAN 2005													
19...	1.11	2.14	.3	2.40	26	2.23	<.1	3.6	43	.60	--	E.02	--
FEB													
22...	1.67	2.26	.4	4.05	30	3.52	E.1	5.5	48	.67	--	E.04	--
MAR													
29...	1.49	2.03	.4	4.03	32	3.78	<.1	5.5	58	.78	.06	.05	--
MAY													
04...	1.68	2.47	.3	2.97	23	2.19	E.1	4.2	50	.80	--	E.04	--
JUN													
07...	2.94	3.90	.6	8.27	33	10.7	.1	8.7	85	.88	.17	.13	4.02
AUG													
02...	5.96	4.22	.8	14.1	30	21.9	.2	6.8	140	.64	.06	.05	--

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, fltrd, mg/L (00666)	Phosphorus, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	E coli, m-TEC MF, water, col/100 mL (31633)	Fecal coliform, M-FC col/100 mL (31625)	Fecal streptococci, KF col/100 mL (31673)
OCT 2004													
12...	--	.25	--	E.005	--	.561	.18	.21	.34	1.2	2600	1900	790
26...	--	.09	--	E.004	.64	.248	.08	.12	.19	.76	120	E100	150
NOV													
03...	--	.19	--	<.008	--	.334	.11	.13	.25	.99	5300	E2100	7200
30...	--	E.04	--	<.008	--	.212	.07	.09	.17	--	E230	E240	750
JAN 2005													
19...	--	.07	--	E.004	--	.132	.04	.06	.17	.67	140	160	220
FEB													
22...	--	.21	--	<.008	--	.110	.04	.05	.21	.88	E60	E64	E20
MAR													
29...	--	.19	--	<.008	.73	.107	.04	.06	.20	.97	100	100	257
MAY													
04...	--	.24	--	<.008	--	.297	.10	.10	.33	1.0	E23	E43	E30
JUN													
07...	.91	.94	.112	.034	.75	.163	.05	.06	.32	1.8	150	E140	148
AUG													
02...	--	.45	--	E.004	.59	.187	.06	.06	.17	1.1	94	100	--

ST. FRANCIS RIVER BASIN

07364185 BAYOU BARTHOLOMEW NEAR PORTLAND--CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)
OCT 2004				
12...	85	90	318	3052
26...	86	36	111	3070
NOV				
03...	81	60	343	3054
30...	87	42	432	3052
JAN 2005				
19...	91	62	944	3054
FEB				
22...	92	42	158	3070
MAR				
29...	96	48	120	3052
MAY				
04...	95	51	132	3070
JUN				
07...	98	68	61	3070
AUG				
02...	87	34	42	3070

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

RED RIVER BASIN

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 mi².

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 NGVD of 1929.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Satellite telemeter at station.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	337	e1400	257	e624	112	36	204	96	87	141	80
2	398	1230	1180	303	856	94	30	164	91	95	91	79
3	471	1510	991	278	810	74	25	147	83	103	64	76
4	481	1250	849	247	464	64	23	128	67	102	51	72
5	470	907	802	230	315	57	22	102	70	113	48	69
6	462	644	943	227	260	53	25	81	72	114	79	67
7	467	506	1500	e630	439	69	22	61	49	120	84	66
8	543	445	1440	e1300	777	91	19	50	41	108	81	66
9	587	412	1310	e920	586	82	17	43	42	120	81	64
10	1250	386	1180	563	450	97	17	42	110	138	81	62
11	2070	361	950	419	325	84	519	34	152	133	89	62
12	2000	343	761	357	e250	74	1700	28	119	107	78	59
13	e1650	328	628	601	214	68	1460	6.7	83	89	75	57
14	1290	314	531	698	185	71	947	12	64	101	72	57
15	1010	302	476	391	159	65	572	24	50	120	69	55
16	835	288	444	237	136	59	424	46	46	146	65	41
17	741	276	415	163	115	55	355	72	64	128	63	35
18	688	264	394	120	97	48	322	75	64	129	66	29
19	643	258	375	102	86	47	546	80	63	137	68	26
20	602	252	e330	90	82	50	569	83	44	130	68	24
21	565	397	e300	e82	81	39	248	91	28	122	66	21
22	532	517	456	81	78	289	115	99	12	111	65	19
23	515	852	924	e76	105	322	85	86	25	119	67	19
24	511	2160	e700	76	195	176	70	73	130	117	71	24
25	493	2200	e480	e87	142	124	63	67	137	117	70	696
26	446	e1800	397	e102	126	96	63	76	135	115	70	706
27	416	e1300	354	e107	112	81	60	72	136	101	73	540
28	394	917	e310	e127	103	74	47	72	123	136	70	312
29	375	947	303	e148	---	58	46	108	82	184	73	189
30	357	e1300	287	e173	---	49	361	138	86	169	84	145
31	345	---	266	e311	---	44	---	120	---	151	79	---
TOTAL	21692	23003	21676	9503	8172	2766	8808	2484.7	2364	3762	2302	3817
MEAN	700	767	699	307	292	89.2	294	80.2	78.8	121	74.3	127
MAX	2070	2200	1500	1300	856	322	1700	204	152	184	141	706
MIN	85	252	266	76	78	39	17	6.7	12	87	48	19
AC-FT	43030	45630	42990	18850	16210	5490	17470	4930	4690	7460	4570	7570

RED RIVER BASIN

07369680 BAYOU MACON AT EUDORA--CONTINUED

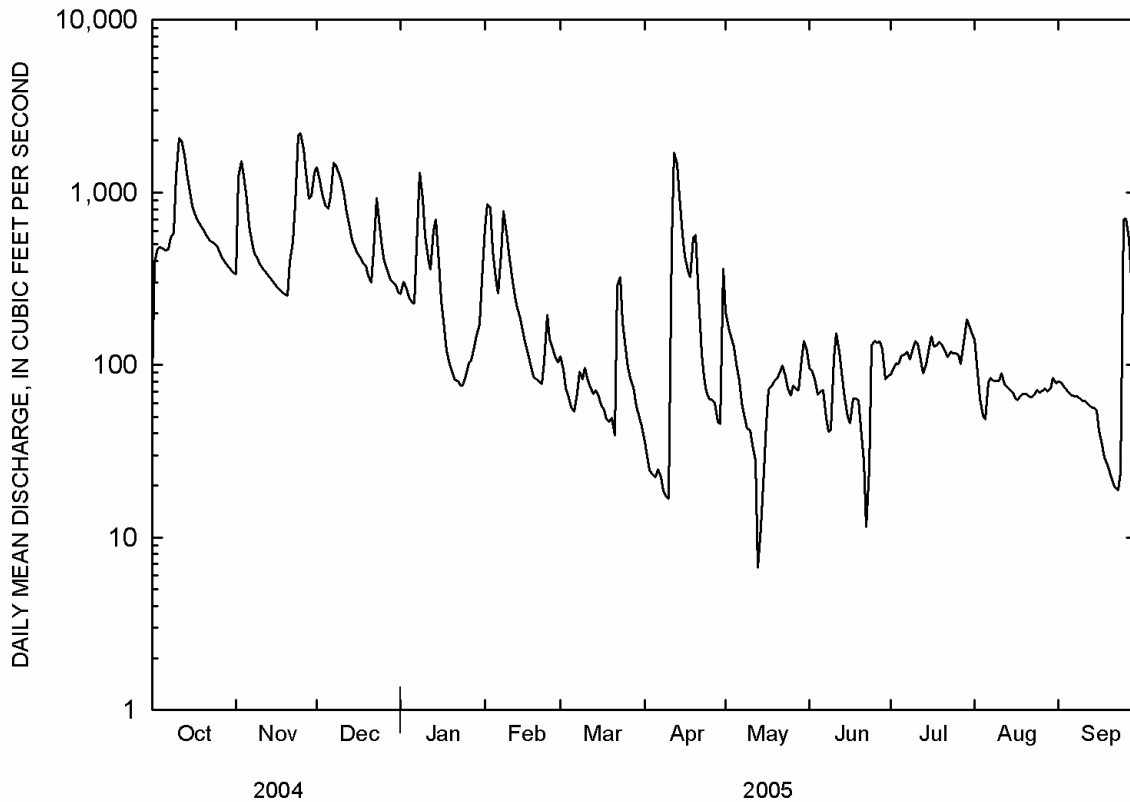
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	126	172	364	424	490	352	360	249	196	255	142	93.8
MAX	700	767	1498	924	1174	858	1053	1510	448	847	425	150
(WY)	2005	2005	2002	1999	1991	1995	1991	1991	2004	1994	1994	1994
MIN	41.8	51.5	58.5	51.0	51.1	89.2	63.0	72.0	78.8	83.0	70.9	53.3
(WY)	1994	1996	2000	2000	2000	2005	1998	1992	2005	2002	2004	2004

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	139275		110349.7			
ANNUAL MEAN	381		302		268	
HIGHEST ANNUAL MEAN					493 1991	
LOWEST ANNUAL MEAN					130 1996	
HIGHEST DAILY MEAN	2230	Jul 2	2200	Nov 25	4170	Apr 23 1995
LOWEST DAILY MEAN	31	Sep 27	6.7	May 13	6.7	May 13 2005
ANNUAL SEVEN-DAY MINIMUM	39	Sep 24	21	Apr 4	21	Apr 4 2005
MAXIMUM PEAK FLOW			2280	Nov 24-25	4280	Apr 23 1995
MAXIMUM PEAK STAGE			18.63	Nov 24	24.41	Apr 29 1991
INSTANTANEOUS LOW FLOW			5.1	May 13-14	5.1	¹ May 13 2005
ANNUAL RUNOFF (AC-FT)	276300		218900		194000	
10 PERCENT EXCEEDS	1060		820		643	
50 PERCENT EXCEEDS	121		119		103	
90 PERCENT EXCEEDS	55		46		55	

¹Also May 14, 2005

^eEstimated



PEAK DISCHARGE AND STAGE AT PARTIAL-RECORD STATIONS

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 generally are 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.

The following table contains annual maximum discharges for partial-record stations. A stage-discharge relation of each gage is developed from discharge measurements made by direct or indirect methods. 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.

Station number and name	Location and drainage area	Period of record	Water year 2005 maximum		Period of record maximum				
			Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)	
WHITE RIVER BASIN									
07053207 Long Creek at Denver	Lat 36°23'23", long 93°19'01", in NW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ sec.16, T.20 N., 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 2001-04 ^f 2005	1-4-05	7.36	2,350	6-10-02	17.89	16,800	
07054410 Bear Creek near Omaha	Lat 36°26'50", long 92°56'00", in NE ¹ / ₄ NE ¹ / ₄ NW ¹ / 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 .	1995-01 2002-04 ^f 2005	10-28-04	9.81	11,300	4-24-04	12.13	18,800	
07055608 Crooked Creek at Yellville	Lat 36°13'23", long 92°40'47" in NW ¹ / ₄ NE ¹ / ₄ sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, on left bank at bridge on State Highway 14 at Yellville. Drainage area is 406 mi ² .	1958-88 1988-94 ^d 1995-01 2002-03 ^d 2004-05	1-6-05	8.12	2,930	5-3-90	25.20	38,700	
07058980 Bennett's River at Vidette	Lat 36°25'19", long 92°07'07", in SW ¹ / ₄ SE ¹ / ₄ SE ¹ / 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, 0.4 mi south of Vidette. Drainage area is 68.2 mi ² .	1995-01 2002-04 ^d 2005	1-13-05	10.49	4,460	11-5-94	10.99	5,060	
07059450 Big Creek near Elizabeth	Lat 36°21'25", long 92°06'48", in NE ¹ / ₄ SE ¹ / ₄ NW ¹ / 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. Drainage area is 51.9 mi ² .	1995-01 2001-04 ^d 2005	1-13-05	13.43	2,450	11-5-94	15.15	3,640	
07060728 White River at Allison	Lat 35°56'21", long 91°38'28", in NW ¹ / ₄ NW ¹ / 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 .	1997-05 ^f	1-5-04	301.57	--	4-25-04	321.04	--	
07074000 Strawberry River near Poughkeepsie	Lat 36°06'37", long 91°26'59", in SE ¹ / ₄ NW ¹ / ₄ sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream from 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 ^d 1995-01 2002-03 ^d 2004-05	1-4-05	11.83	6,830	12-3-82	^b 35.90	158,000	
07074850 White River near Augusta	Lat 35°18'02", long 91°23'35", in SE ¹ / ₄ SE ¹ / ₄ sec.22, T.8 N., R.4 W., Woodruff County, 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 1995-01 ^f 2002-03 ^d 2004-05	1-25-04	31.97	63,700	12-7-82	38.31	250,000	
07075000 Middle Fork of Little Red River at Shirley	Lat 35°39'25", long 92°17'34", in SW ¹ / 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 1995-05 ^f	1-4-05	20.23	27,500	12-3-82	37.53	241,000	
07076634 Little Red River at Judsonia	Lat 35°16'01", long 91°38'23", in NW ¹ / ₄ NW ¹ / ₄ sec.3, T.7 N., R.7 W., White County, Hydrologic Unit 11010014, at highway bridge on county road just south of Highway 385 curve at south edge of Judsonia, at mile 25.2. Drainage area is 1,693 mi ² .	1982-05	1-13-05	26.23	--	a	a	a	

PEAK DISCHARGE AND STAGE AT PARTIAL-RECORD STATIONS

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Station number and name	Location and drainage area	Period of record	Water year 2005 maximum		Period of record maximum	
			Date	Gage height (ft)	Discharge (ft ³ /s)	Date
WHITE RIVER BASIN--continued						
07076750 White River at Georgetown	Lat 35°07'45", long 91°27'00", in SW ^{1/4} SW ^{1/4} 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 1995-05	1-25-05	21.89	68,300	12-8-82 28.87 179,000
ARKANSAS RIVER BASIN						
07251500 Frog Bayou at Rudy	Lat 35°31'32", long 94°16'18", in SW ^{1/4} SW ^{1/4} sec.23, T.10 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 282 at Rudy. Drainage area is 216 mi ² .	1951-70 ^f 1971-05	1-04-05	13.31	17,200	5-30-90 18.76 41,300
07256500 Spadra Creek at Clarksville	Lat 35°28'06", long 93°27'46", in NW ^{1/4} NE ^{1/4} sec.5, T.9 N., R.23 W., Johnson County, 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 ^d 1971-05	1-13-05	10.54	4,620	6-5-74 19.93 27,400
07257200 Little Piney Creek near Lamar	Lat 35°26'54", long 93°20'17", in SW ^{1/4} NE ^{1/4} 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 .	1978-01 2002-03 2004 ^g	1-04-05	11.49	6,980	4-24-04 15.65 923,800
07258000 Arkansas River at Dardanelle	Lat 35°13'34", long 93°08'58", in SW ^{1/4} sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of pier under bridge on State Highway 7, at Dardanelle, 1.0 mi upstream from Whig Creek, 2.0 mi downstream from Dardanelle Lock and Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5. Drainage area is 153,670 mi ² .	1937-94 ^d 1995-00 2001-03 ^g 2004-05	1-13-05	25.87	205,000	5-13-43 43.60 683,000 5-14-43 5-25-43
07260640 Petit Jean River near Centerville	Lat 35°04'30", long 93°11'58", in NE ^{1/4} 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 ^f 1991-94 1995-05 ^f	12-2-04	18.40	--	5-5-90 26.40 --
07260673 West Fork Point Remove Creek near Hattiesville	Lat 35°19'25", long 92°52'22", in NE ^{1/4} SE ^{1/4} sec.23, T.8 N., R.18 W., Pope County, 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 north-west of Hattiesville. Drainage area is 222 mi ² .	1978-01 2002-03 ^g 2004-05	11-29-05	19.57	5,930	12-3-82 26.62 64,100
07260800 Arkansas River at Morrilton	Lat 35°07'39", long 92°43'55", in SE ^{1/4} SW ^{1/4} 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 .	1927-05 ^f	a	a	a	5-15-43 40.8 --
07263000 South Fourche LaFave River near Hollis	Lat 34°54'41", long 93°03'21", in SE ^{1/4} NE ^{1/4} sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis, and at mile 5.6. Drainage area is 210 mi ² .	1941-95 ^d 1996-05	11-01-04	11.34	13,000	12-3-82 24.55 94,000
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 ^d 1970-05 ^f	a	a	a	5-27-43 30.05 536,000
07263650 Arkansas River at Pine Bluff	Lat 34°17'26", long 91°59'14", in NW ^{1/4} SW ^{1/4} 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 .	1948-05 ^f	1-8-05	37.86	--	6-1-57 50.74 --

PEAK DISCHARGE AND STAGE AT PARTIAL-RECORD STATIONS

Station number and name	Location and drainage area	Period of record	Water year 2005 maximum		Period of record maximum	
			Date	Gage height (ft) Discharge (ft ³ /s)	Date	Gage height (ft) Discharge (ft ³ /s)
ARKANSAS RIVER BASIN						
07265280 Arkansas River at Pendleton	Lat 33°58'45", long 91°22'40", Desha County, Hydrologic Unit 08020401, at Pendleton, and approximately 9 miles northeast of Dumas, 44.5 miles above mouth. Drainage area is 160,200 mi ² .	1993-05 ^f	1-6-05	28.89	--	3-22-02 30.22 --
RED RIVER BASIN						
07339500 Rolling Fork near DeQueen	Lat 34°02'51", long 94°24'47" in SW ¹ / ₄ SW ¹ / 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 ^d 1981-05	1-20-05	9.54	2,070	12-10-71 24.23 71,000
07340500 Cossatot River near DeQueen	Lat 34°02'45", long 94°12'42", in NE ¹ / ₄ NE ¹ / ₄ sec.29, T.8 S., R.30 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on U.S. Highway 71, 7.0 mi east of DeQueen. Drainage area is 360 mi ² .	1938-80 ^d 1981-05	1-3-05	12.63	9,110	5-13-68 22.60 122,000
07341000 Saline River near Dierks	Lat 34°05'45", long 94°05'04", in NW ¹ / ₄ SW ¹ / ₄ sec.3, T.8 S., R. 29 W., Howard County, Hydrologic Unit 11140109, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks. Drainage area is 121 mi ² .	1938-80 ^d 1981-05	1-18-05 1-19-05	8.21	1,180	5-13-68 22.95 59,200
07362591 Alum Fork Saline River at Winona Dam at Reform	Lat 34°47'51", long 92°50'43, in NE ¹ / ₄ NE ¹ / 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 .	1995-05	1-4-05	41.28	--	2-16-01 42.52 --

^a Not determined^b From floodmarks^cPrior to December 20, 1989 at datum 2.00 ft higher

* Also a low-flow partial-record station

^dOperated as a continuous-record gaging station^eOperated as a stage-only station^fNot previously published

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES

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Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State during water year 2005.

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ST. FRANCIS RIVER BASIN						
07040060 St. Francis River near Glennonville, Missouri	Mississippi River	Lat 36°34'22", long 90°11'06", in NE ¹ / ₄ NW ¹ / ₄ sec.10, T.22 N., R.8 E., Butler-Dunklin County Line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Missouri.	a	1978-04	6-14-05	280
					5-10-05	203
					4-5-05	1,620
					3-8-05	1,060
					2-8-05	2,890
					1-11-05	5,440
					12-7-04	7,130
11-2-04	7,190					
07040070 Wilhelmina Cut-off near Campbell, Missouri	St. Francis River	Lat 36°30'53", long 90°09'30", in SW ¹ / ₄ SW ¹ / ₄ sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Missouri, off Missouri State Highway 53.	a	1978-04	6-13-05	433
					5-10-05	227
					4-4-05	1,980
					3-7-05	1,270
					2-7-05	2,840
					1-10-05	5,810
					12-7-04	8,360
11-2-04	7,810					
07040110 St. Francis River near Piggott	Mississippi River	Lat 36°23'50", long 90°04'40", in SE ¹ / ₄ SW ¹ / ₄ sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi east of Piggott.	1,776	1978-04	9-12-05	157
					8-9-05	484
					7-12-05	2,190
					6-13-05	474
					5-9-05	322
					4-4-05	2,500
					3-7-05	1,260
					2-7-05	1,860
					1-10-05	6,040
					12-6-04	4,990
10-12-04	128					
07040130 St. Francis River at Holly Island	Mississippi River	Lat 36°14'11", long 90°07'52", in SW ¹ / ₄ NE ¹ / ₄ sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.	1,788	1978-04	9-12-05	164
					8-9-05	437
					7-12-05	833
					6-13-05	622
					5-9-05	256
					4-4-05	2,530
					3-7-05	1,380
					2-7-05	1,830
					1-10-05	6,300
					12-6-04	4,610
11-1-04	1,090					
10-12-04	111					
07046600 Right Hand Chute of Little River at Rivervale	St. Francis River	Lat 35°40'20", long 90°29'12", in SW ¹ / ₄ sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi upstream from St. Francis River.	2,106	1983-04	9-13-05	223
					8-10-05	391
					7-13-05	1,600
					6-14-05	3,490
					5-10-05	1,360
					4-5-05	2,260
					3-8-05	2,020
					2-8-05	5,800
					1-11-05	11,700
					12-8-04	7,400
11-3-04	7,060					
10-13-04	188					
07047815 Cross County Ditch near Birdeye	St. Francis River	Lat 35°21'38", long 90°39'00", in NE ¹ / ₄ SE ¹ / ₄ sec. 34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 2.3 mi east of Birdeye.	a	1978-04	6-15-05	3,700
					5-11-05	2,000
					4-5-05	6,680
					3-8-05	4,320
					2-9-05	8,160
					1-12-05	17,600
					12-8-04	11,700
11-4-04	6,860					
07047904 Clark Corner cut-off near Colt	St. Francis River	Lat 35°08'41", long 90°39'23", in NW ¹ / ₄ NE ¹ / ₄ sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on Old Military Road, 9.0 mi east of Colt.	a	1978-04	6-15-05	4,130
					5-11-05	2,510
					4-6-05	7,720
					3-9-05	5,070
					2-9-05	10,400
					12-14-04	15,600
11-5-04	9,250					

372 DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ST. FRANCIS RIVER BASIN--continued						
07047907 St. Francis River at Madison	Mississippi River	Lat 35°00'38", long 90°43'05", in NE ¹ / ₄ SW ¹ / ₄ sec.30, T.5 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on State Highway 50 at Madison.	a	1983-04	9-14-05	264
					8-11-05	285
					7-13-05	2,300
					6-15-05	3,640
					5-11-05	2,420
					4-6-05	6,970
					3-9-05	4,700
					2-9-05	9,620
					1-13-05	19,400
					12-15-04	13,300
11-4-04	7,800					
10-14-04	951					
07047947 Second Creek near Palestine	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW ¹ / ₄ SE ¹ / ₄ sec.17, T.5 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on county road, 4.0 mi north of Palestine.	a	1986-04	8-11-05	0
					4-13-05	515
					2-14-05	254
WHITE RIVER BASIN						
07047984 Middle Fork White River southeast of Fayetteville	White River	Lat 35°59'47", long 94°04'21", in SE ¹ / ₄ SE ¹ / ₄ sec.5, T.15 N., R.29 W., Washington County, Hydrologic Unit 11010001, at ford on farm road 2.0 mi south of State Hwy 16 and 5.9 mi southeast of Fayetteville.	a	1997-04	6-14-05	10.7
					11-4-04	151
07050206 Kings River near Alabam	White River	Lat 36°11'20", long 93°38'58", in SW ¹ / ₄ SE ¹ / ₄ SW ¹ / 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	1997-04	6-15-05	14.8
					11-18-04	136
07050390 Osage Creek southwest of Berryville	Kings River	Lat 36°20'55", long 93°35'26", in SE ¹ / ₄ SW ¹ / ₄ sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville.	a	1988-90 ^c 1997-04	6-15-05	13.3
					11-16-04	182
07069170 Warm Fork Spring River near Thayer, Missouri	Black River	Lat 36°30'10", long 92°31'31", in SE ¹ / ₄ SE ¹ / 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 1983-04	5-25-05	89.0
					2-16-05	203
					10-5-04	8.85
07069266 Spring River near Hardy	Spring River	Lat 36°20'00", long 91°30'30", in SW ¹ / ₄ SW ¹ / ₄ sec.34, T.20 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at low-water bridge on county road, 1.8 mi upstream from South Fork Spring River, and 2.2 mi northwest of Hardy.	35	1974-88 2000-04	5-24-05	546
					2-17-05	1,130
					10-4-04	279
07069295 South Fork Spring River at Saddle	Spring River	Lat 36°21'00", long 92°38'00", in NW ¹ / ₄ NW ¹ / ₄ sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	a	1974-04	8-8-05	9.67
					4-12-05	818
					10-5-04	5.98
07076950 Wattensaw Bayou near Hazen	White River	Lat 34°52'34", long 92°33'56", in SE ¹ / ₄ SE ¹ / ₄ sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301, at bridge on State Highway 11, 7.0 mi north of Hazen.	a	1984-04	2-14-05	324
					1-5-05	1,150
07077660 Bayou DeView near Gibson	Cache River	Lat 35°47'36", long 90°50'18", in SW ¹ / ₄ SW ¹ / ₄ sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.	a	1974-88 1995-96 1998-04	8-9-05	^e 3.0
					5-24-05	^e 1.0
					2-17-05	64.4
					10-6-04	0
ARKANSAS RIVER BASIN						
07188820 Little Sugar Creek at Caverna	Maumelle River	Lat 36°30'10", long 94°16'30", in Pulaski County, Hydrologic Unit 11070208, at Caverna.	a		8-12-05	23.3
					2-24-05	184
					11-4-04	282
07195400 Illinois River near Siloam Springs	Arkansas River	Lat 36°08'41", long 94°29'41", in SW ¹ / ₄ SW ¹ / ₄ sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1979-81 ^f 1982-85 1986 ^f 1987-04	8-11-05	124
					6-8-05	234
					2-25-05	641
					12-30-04	265
					10-19-04	131

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
ARKANSAS RIVER BASIN--continued						
07246940 Poteau River at Waldron	Arkansas River	Lat 34°53'46", long 94°03'57", in SW ¹ / ₄ SE ¹ / ₄ sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on State Highway 80, in Waldron.	a	1986-04	8-8-05 2-14-05 10-4-04	0 10.7 °0.27
07260620 Chickalah Creek near Chickalah	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW ¹ / ₄ sec.24, T.6 N., R.22 W., Yell County, 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 1986-04	6-27-05 4-18-05 10-26-04	0 30.4 1.13
072632981 Worthen Creek at State Hwy 10 near Pinnacle	Maumelle River	Lat 34°52'05", long 92°23'07", in NE ¹ / ₄ SE ¹ / ₄ sec.27, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, near Pinnacle.	a		9-25-05	0
0726329911 Maxwell Hollow at State Highway 10 near Pinnacle	Maumelle River	Lat 34°51'08", long 92°33'34", in NW ¹ / ₄ SW ¹ / ₄ sec.36, T.3 N., R.15 W., Pulaski County, Hydrologic Unit 11110207, near Pinnacle.	a		9-25-05	0.89
340812091381601 Arkansas River at MM 47.0 L in Pool no. 2 near Grady	Mississippi River	Lat 34°08'12", long 91°38'16", in NW ¹ / ₄ NW ¹ / ₄ sec.7, T.7 S., R.5 W., Jefferson County, Hydrologic Unit 08020401, at river mile 47.0.	a		6-23-05	106,000 105,000
340513091310901 Arkansas River a MM 36.4 L in Pool no.2 near Reydell	Mississippi River	Lat 34°05'13", long 91°31'09", Jefferson County, Hydrologic Unit 08020401, at river mile 36.4.	a		6-23-05	108,000
340805091373401 Arkansas River at MM 46.3 in Pool no. 2 near Grady	Mississippi River	Lat 34°08'05", long 91°37'34", in NW ¹ / ₄ NE ¹ / ₄ sec.7, T.7 S., R.5 W., Jefferson County, Hydrologic Unit 08020401, at river mile 46.3.	a		6-23-05	107,000 107,000
345700092302401 Arkansas River at MM 142.0 R in Pool no. 7 near Mayflower	Mississippi River	Lat 34°57'00", long 92°30'24", in sec.28, T.4 N., R.14 W., Pulaski County, Hydrologic Unit 11110203, at river mile 142.0.	a		6-21-05	112,000
345705092311201 Arkansas River at MM 142.9 in Pool no. 7 near Little Italy	Mississippi River	Lat 34°57'05", long 92°31'12", in sec.29, T.4 N., R.14 W., Pulaski County, Hydrologic Unit 11110203, at river mile 142.9.	a		6-21-05	112,000
345716092331001 Arkansas River at MM 145.0 in Pool no. 7 near Little Italy	Mississippi River	Lat 34°57'16", long 92°33'10", in sec.25, T.4 N., R.15 W., Perry County, Hydrologic Unit 11110203, at river mile 145.0.	a		6-21-05	110,000 110,000
345721092333101 Arkansas River at MM 145.3 in Pool no. 7 near Little Italy	Mississippi River	Lat 34°57'21", long 92°33'31", in sec.25, T.4 N., R.15 W., Perry County, Hydrologic Unit 11110203, at river mile 145.3.	a		6-21-05	111,000
345733092335601 Arkansas River at MM 146.0 in Pool no. 7 near Little Italy	Mississippi River	Lat 34°57'33", long 92°33'56", in sec.26, T.4 N., R.15 W., Perry County, Hydrologic Unit 11110203, at river mile 146.0.	a		6-21-05	111,000 110,000
345820092350601 Arkansas River at MM 147.0 in Pool no. 7 near Little Italy	Mississippi River	Lat 34°58'20", long 92°35'06", in sec.22, T.4 N., R.15 W., Perry County, Hydrologic Unit 11110203, at river mile 147.0.	a		6-21-05	108,000 108,000
RED RIVER BASIN						
07338720 Mountain Fork near Hatfield	Little River	Lat 34°30'18", long 94°25'50", in NE ¹ / ₄ NE ¹ / 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 1986-04	8-2-05 4-19-05 1-13-05 10-5-04	1.62 88.7 2,480 1.68

374 DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
RED RIVER BASIN--continued						
07339780 Rolling Fork near West Otis	Little River	Lat 33°58'32", long 94°26'03", in SW ¹ / ₄ NW ¹ / ₄ sec.20, T.9 S., R.32 W., Sevier County, Hydrologic Unit 11140109, on right bank downstream from bridge on county road, 1.5 mi north of West Otis.	290	1962 1982-83 1999-04	8-3-05	25.9
					1-11-05	2,440
					1-11-05	2,440
					10-5-04	18.2
07344300 ^g Days Creek southeast of Texarkana	Sulphur River	Lat 33°19'06", long 94°00'16", in NE ¹ / ₄ SE ¹ / 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	1973-04	5-10-05	18.2
					1-11-05	63.9
07349440 Bodcau Creek near Lewisville	Red Chute Bayou	Lat 33°15'42", long 93°33'05", in SE ¹ / ₄ sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	292	1974-85 1987-90 1995, 98 2001-04	5-9-05	0
					1-11-05	1,086
07359770 Caddo River near Amity	Ouachita River	Lat 34°17'05", long 93°24'56", in NW ¹ / ₄ SE ¹ / ₄ sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.	292	1987-04	6-29-05	35.5
					1-12-05	1,250
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 1974-04	5-10-05	15.4
					2-23-05	216
07363270 Hurricane Creek near Sardis	Saline River	Lat 34°30'40", long 92°24'54", in SW ¹ / 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	1974-04	8-12-05	0.92
					4-29-05	13
					1-26-05	147
07364115 Bayou Bartholomew near Ladd	Ouachita River	Lat 34°06'24", long 92°54'06", in NW ¹ / 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, 1974-00 2003-04	8-9-05	10.0
					1-21-05	155
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 1987-04	2-17-05	53
					10-12-04	653
07365800 Cornie Bayou near Three Creeks	Bayou D'Arbonne	Lat 33°02'21", long 92°56'15", in SW ¹ / ₄ NW ¹ / ₄ sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on State Highway 15, 6.0 mi southwest of Three Creeks.	180	1956-87 ^f 1990-04	5-10-05	15
					2-17-05	123

^aNot determined

^cOperated as a low-flow partial-record station

^eEstimated

^fOperated as a continuous-record station

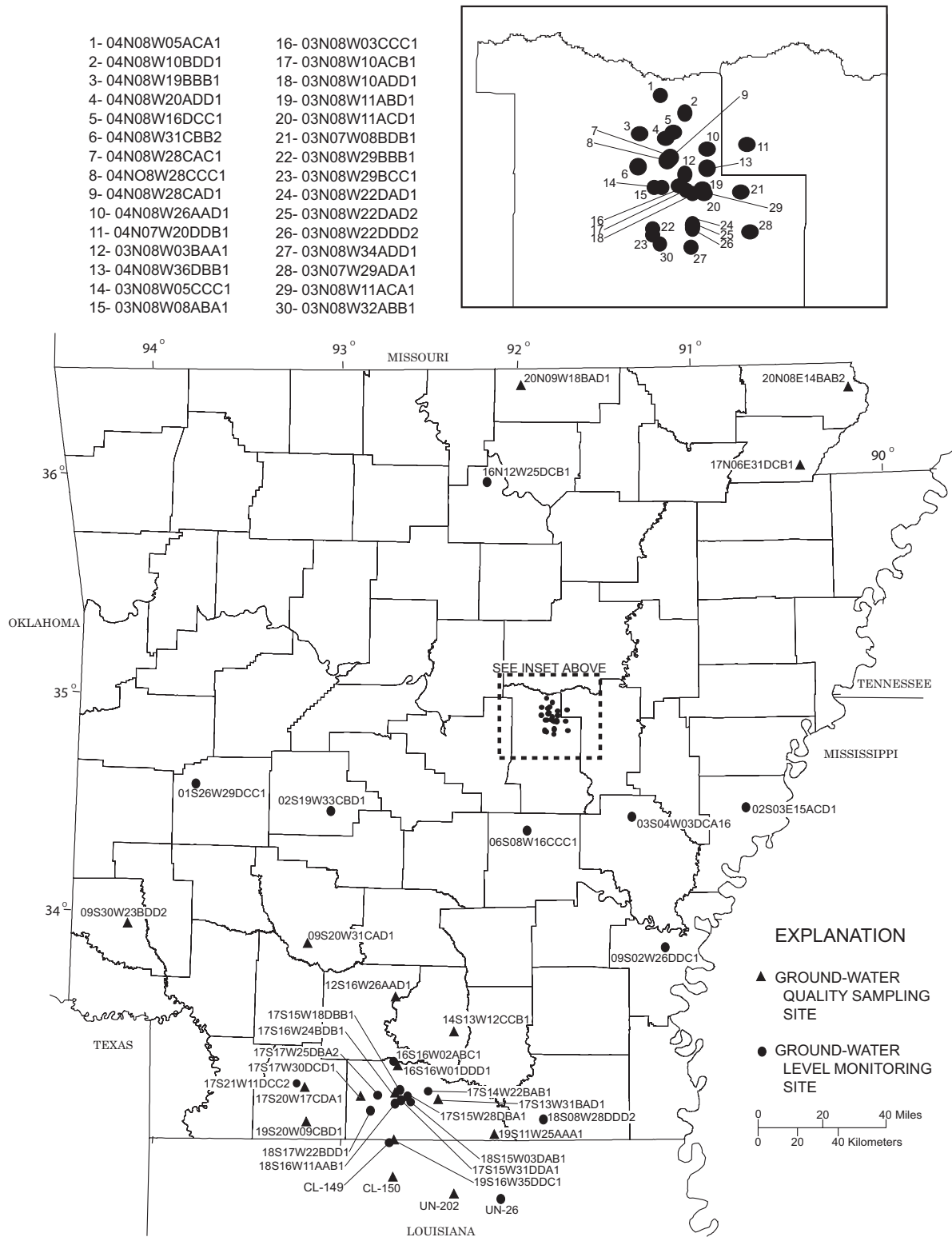


Figure 4. Locations of ground-water quality sampling sites and ground-water monitoring sites in Arkansas.

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

ARKANSAS COUNTY

342649091251916. Local number, 03S04W03DCA16

LOCATION.--Lat 34°27'53", long 91°25'15", Hydrologic Unit 08020303, near Stuttgart.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 26 in, depth 126 ft, screened 120-126 ft.

DATUM.--Land surface 205 ft above NGVD of 1929. Measuring point: Top of casing inside housing, 1.0 ft above land surface.

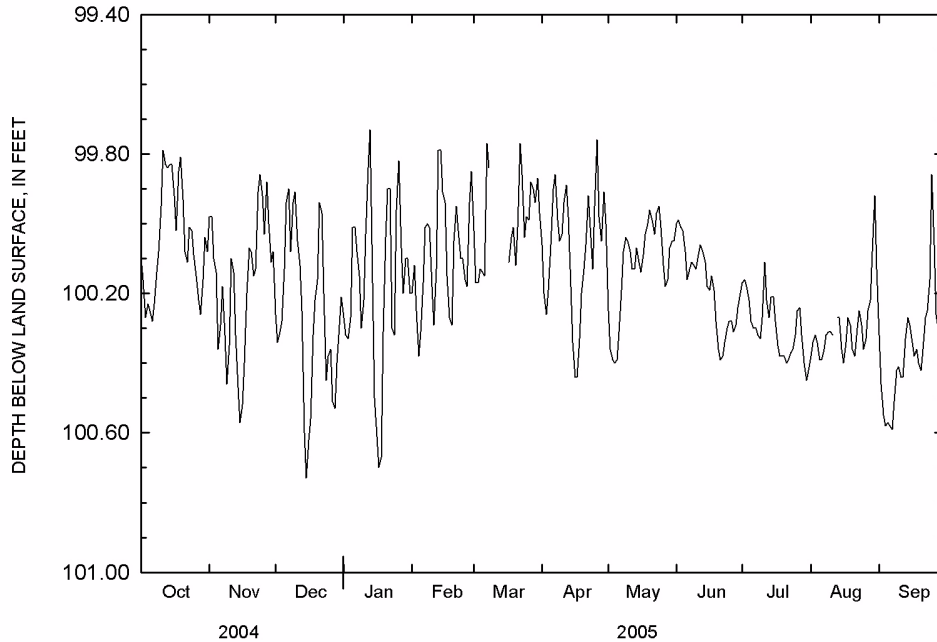
PERIOD OF RECORD.--5-day water levels June 1961 to July 1967. Annual water levels March 1968 to March 2000, and continuous water levels June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 95.20 ft below land surface, January 10, 1963; lowest, 100.73 ft below land surface, December 15, 2005.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	100.25	100.36	100.13	100.01	100.31	100.14	100.06	100.39	100.08	100.28	100.39	100.57
10	99.95	100.35	99.91	100.22	100.18	---	100.03	100.05	100.13	100.27	100.31	100.41
15	99.83	100.57	100.73	100.50	99.91	---	100.34	100.11	100.18	100.21	100.36	100.29
20	99.93	100.08	100.16	100.04	100.05	100.12	100.13	99.96	100.36	100.38	100.36	100.42
25	100.09	99.92	100.38	99.96	100.16	99.98	99.95	100.01	100.28	100.32	100.36	99.86
EOM	100.08	100.08	100.21	100.20	99.85	99.97	100.00	100.05	100.20	100.42	100.13	100.44
MEAN	100.05	100.17	100.26	100.18	100.09	99.99	100.07	100.12	100.18	100.30	100.30	100.37
MAX	100.28	100.57	100.73	100.70	100.38	100.17	100.44	100.40	100.39	100.45	100.40	100.59
MIN	99.79	99.86	99.90	99.73	99.79	99.77	99.76	99.95	99.99	100.11	99.92	99.86

WTR YR 2005 MEAN 100.18 HIGH 99.73 JAN 13 LOW 100.73 DEC 15



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

377

ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2

LOCATION.--Lat 33°06'25", long 91°55'28", Hydrologic Unit 08040205, near Crossett.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 155 ft, screened 142-152 ft.

DATUM.--Land surface, 163.26 ft above NGVD of 1929. Measuring point: Top of casing, 3.27 ft above land surface.

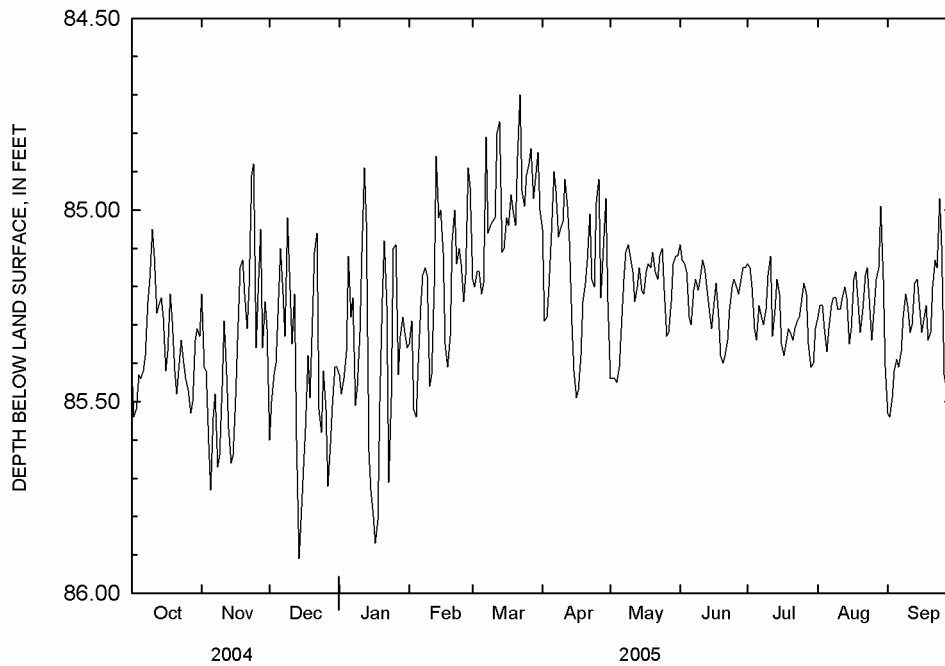
PERIOD OF RECORD.--Monthly water levels June 1960 to August 1963, semi-annual water levels 1971-1974, and continuous water levels March 1975 to November 1994, July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 84.47 ft below land surface, Feb. 22, 2003; lowest, 93.28 ft below land surface, Aug. 22, 1963.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	85.44	85.73	85.23	85.12	85.40	85.22	85.06	85.41	85.28	85.34	85.37	85.39
10	85.05	85.46	85.16	85.32	85.46	85.03	85.03	85.12	85.18	85.17	85.26	85.25
15	85.28	85.64	85.81	85.73	85.00	85.10	85.42	85.21	85.31	85.22	85.35	85.24
20	85.42	85.22	85.28	85.23	85.08	85.04	85.19	85.11	85.40	85.32	85.32	85.32
25	85.44	85.36	85.42	85.10	85.24	84.91	84.98	85.21	85.18	85.23	85.34	85.09
EOM	85.33	85.31	85.41	85.36	84.94	85.00	85.24	85.12	85.15	85.31	85.41	85.37
MEAN	85.36	85.36	85.42	85.38	85.20	84.99	85.14	85.22	85.22	85.28	85.24	85.31
MAX	85.54	85.73	85.91	85.87	85.54	85.22	85.49	85.45	85.40	85.41	85.41	85.54
MIN	85.05	84.88	85.02	84.89	84.86	84.70	84.90	85.09	85.09	85.12	84.99	84.97

WTR YR 2005 MEAN 85.26 HIGH 84.70 MAR 22 LOW 85.91 DEC 14



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

CALHOUN COUNTY

333040092240301. Local number, 14S13W12CCB1

LOCATION.--Lat 33°30'40", long 92°24'04", Hydrologic Unit 08040201, near Harrell.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 613 ft, screened 560-610 ft.

DATUM.--Land surface, 205 ft above NGVD of 1929.

PERIOD OF RECORD.--October 2002, Semiannual January 2003 to current.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JAN 24...	1620	80513	80020	453	21.2	14.8
MAR 17...	1115	80513	80513	446	23.2	--
JUL 05...	0920	80513	80020	457	24.6	14.4
	0930	80513	80020	457	24.6	14.3

333944092430401. Local number, 12S16W26AAD1

LOCATION.--Lat 33°39'48", long 92°43'04", Hydrologic Unit 08040201, near Shumaker.

AQUIFER.--Sparta sand Formation of Eocene age.

WELL CHARACTERISTICS.--Diameter 12.75 in, depth 221 ft, screened 174-221 ft.

DATUM.--Land surface, 135 ft above NGVD of 1929.

PERIOD OF RECORD.--October 2002, Semiannual January 2003 to current.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JAN 24...	1025	80513	80020	162	17.8	7.67
JUL 05...	1205	80513	80020	207	21.2	7.08

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

379

CLARK COUNTY

335435093111101. Local number, 09S20W31CAD1

LOCATION.--Lat 33°54'35", long 93°11'11", Hydrologic Unit 08040103, near Gurdon.

AQUIFER.--Nacatoch Sand of upper Cretaceous age.

WELL CHARACTERISTICS.--Depth 276 ft.

DATUM.--Land surface, 259 ft above NGVD of 1929. Measuring point: plug hole in well base 1/2 inch hole, NW corner of Pad, 2.2 ft above land surface.

PERIOD OF RECORD.--August 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col-lecting sample, code (00027)	Agency ana-lyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Carbon dioxide, water, unfltrd mg/L (00405)	pH, unfltrd std units (00400)	Specif. conduc-tance, wat un f US/cm 25 degC (00095)	Temper-ature, deg C (00010)	Hard-ness, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	
AUG	01...	1415	80513	80020	<1	16	7.3	433	24.0	100	30.0	5.96	3.09	3
Date		Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, wat flt acre-ft (70303)	Residue on evap. at 180degC mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
AUG	01...	68.5	59	11.7	E.1	26.2	69.0	320	.44	324	.59	.59	.46	<.06
Date		Nitrite water, fltrd, mg/L as N (00613)	Organic nitro-gen, water, fltrd, mg/L (00607)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L (00671)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
AUG	01...	<.008	.13	.212	.07	57.9	<.2	204	<2	<2	<2	<2	58	E.07
Date		Lithium, water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di-ethyl-aniline water, fltrd, 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
AUG	01...	58	14.9	<4	M	<3	1030	<2	8	<.006	<.006	<.006	<.005	<.005
Date		Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	Desulf-nyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)
AUG	01...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009
Date		Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd, 0.7u GF ug/L (82663)	Etho-prop, water, fltrd, ug/L (82672)	Desulf-nyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide, water, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd, 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)
AUG	01...	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

CLARK COUNTY--CONTINUED

335435093111101. Local number, 09S20W31CAD1--continued

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, fltrd, ug/L (82630)	Molinate, water, fltrd, 0.7u GF ug/L (82671)	Napropamide, water, fltrd, 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd, 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd, 0.7u GF ug/L (82683)	Phorate, water, fltrd, 0.7u GF ug/L (82664)	Prometon, water, fltrd, 0.7u GF ug/L (04037)	Propyzamide, water, fltrd, 0.7u GF ug/L (82676)	Propachlor, water, fltrd, 0.7u GF ug/L (04024)	Propanil, water, fltrd, 0.7u GF ug/L (82679)
AUG 01...	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011

Date	Propargite, water, fltrd, 0.7u GF ug/L (82685)	Simazine, water, fltrd, 0.7u GF ug/L (04035)	Tebuconazole, water, fltrd, 0.7u GF ug/L (82670)	Terbacil, water, fltrd, 0.7u GF ug/L (82665)	Terbufos, water, fltrd, 0.7u GF ug/L (82675)	Thiobencarb, water, fltrd, 0.7u GF ug/L (82681)	Triallate, water, fltrd, 0.7u GF ug/L (82678)	Trifluralin, water, fltrd, 0.7u GF ug/L (82661)	Tri-ortho-cresol, water, fltrd, 0.7u GF ug/L (04126)	Alpha-radioactive, water, fltrd, Th-230, Cs-137, pCi/L (03515)	Gross beta radioac, water, fltrd, pCi/L (03515)
AUG 01...	<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	M	3	

Remark codes used in this table:
 < -- Less than
 E -- Estimated value
 M -- Presence verified, not quantified

CLAY COUNTY

362227090112001. Local number, 20N08E14BAB2

LOCATION.--Lat 36°22'27", long 90°11'20", Hydrologic Unit 08020203, near Piggett.

AQUIFER.--Nacatoch Sand of upper Cretaceous age.

WELL CHARACTERISTICS.--Depth 1000 ft.

DATUM.--Land surface, 286 ft above NGVD of 1929. Measuring point: remove breather pipe west side of pump base, 1.8 ft above land surface.

PERIOD OF RECORD.--July 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Color, water, Pt-Co units (00080)	Carbon dioxide, water, unfltrd mg/L (00405)	pH, water, unfltrd std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, adsorption ratio (00931)
JUL 26...	0900	80513	80020	<1	16	7.5	729	25.1	24	6.41	1.72	3.14	15

Date	Time	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, fltrd, constituents mg/L (70301)	Residue, water, fltrd, tons/acre-ft (70303)	Residue, evap. at 180degC, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia, water, fltrd, mg/L (71846)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)
JUL 26...	168	93	75.4	.4	10.9	7.7	449	.64	467	.62	.73	.57	<.06	

Date	Time	Nitrite, water, fltrd, as N mg/L (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
JUL 26...		<.008	.06	.184	.06	17.9	<.2	280	<2	<2	<2	<2	13	.15

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

381

CLAY COUNTY--Continued

362227090112001. Local number, 20N08E14BAB2--Continued

Date	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- aniline water, fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)
JUL 26...	53	.8	<4	<2	<3	350	<2	E6	<.006	<.006	<.006	<.005	<.005
Date	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)
JUL 26...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009
Date	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)
JUL 26...	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015
Date	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)
JUL 26...	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011
Date	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd 0.7u GF ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water, fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Alpha radioac- tivty water, fltrd, Th-230, pCi/L (04126)	Gross beta radioac water, fltrd, Cs-137, pCi/L (03515)			
JUL 26...		<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	-1	4		

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

COLUMBIA COUNTY

330555093112801. Local number, 19S20W09CBD1

LOCATION.--Lat 33°05'55", long 93°11'29", Hydrologic Unit 11140203, near Emerson.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 623 ft.

DATUM.--Land surface, 332 ft above NGVD of 1929.

PERIOD OF RECORD.--October 2002, Semiannual January 2003 to current.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
JAN 24...	1305	80513	80020	198	20.4	3.14
JUL 05...	1420	80513	80020	240	23.1	3.13

331519093115901. Local number, 17S20W17CDA1

LOCATION.--Lat 33°15'20", long 93°12'01", Hydrologic Unit 11140203, near Magnolia.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 495 ft.

DATUM.--Land surface, 325 ft above NGVD of 1929.

PERIOD OF RECORD.--October 2002, Semiannual January 2003 to current.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
JAN 24...	1350	80513	80020	396	20.6	5.72
JUL 05...	1330	80513	80020	399	22.3	5.68

331609093144902. Local number, 17S21W11DCC2

LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, near Magnolia.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 8 in, depth 428 ft, screened 365-428 ft.

DATUM.--Land surface 300 ft above NGVD of 1929. Measuring point: 1.3 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 224.68 ft below land surface, Dec. 15, 1969; lowest, 393.72 ft below land surface, Nov. 19, 1996.

DEPTH BELOW LAND SURFACE, IN FEET , WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

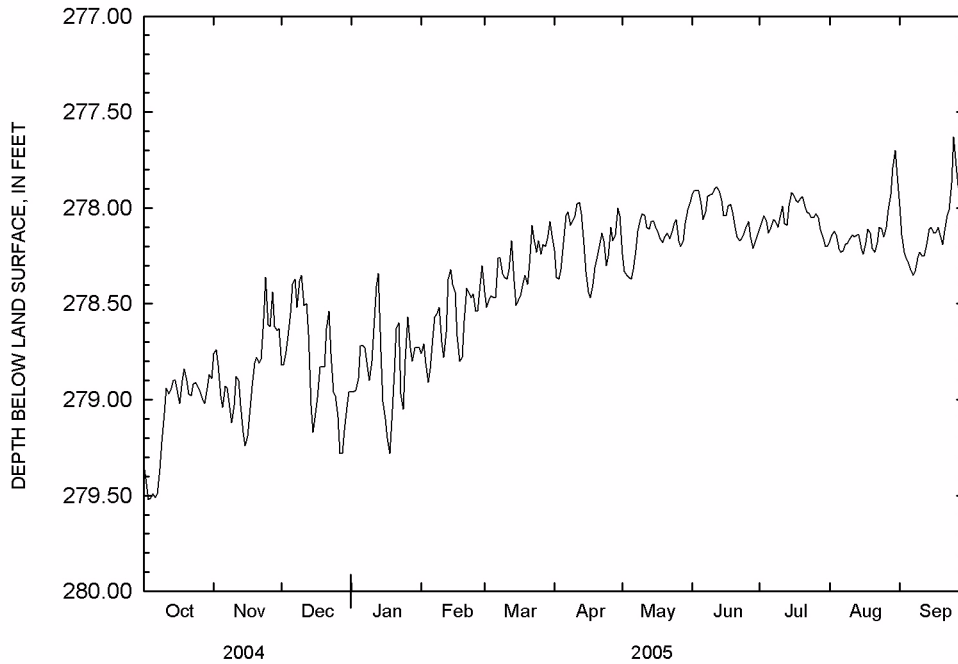
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	279.49	279.04	278.55	278.72	278.84	278.47	278.18	278.37	277.98	278.13	278.21	278.29
10	279.07	279.03	278.35	278.80	278.70	278.36	278.04	278.03	277.93	278.05	278.16	278.23
15	278.90	279.24	279.17	279.01	278.40	278.51	278.33	278.07	278.04	277.92	278.21	278.10
20	278.90	278.78	278.83	278.86	278.59	278.40	278.25	278.15	278.10	277.94	278.21	278.19
25	278.93	278.61	278.98	278.79	278.54	278.17	278.25	278.06	278.10	278.05	278.15	277.63
EOM	278.89	278.63	278.96	278.73	278.30	278.14	278.04	277.98	278.14	278.20	277.83	277.97
MEAN	279.08	278.85	278.80	278.82	278.59	278.32	278.19	278.15	278.03	278.05	278.11	278.11
MAX	279.52	279.24	279.28	279.28	278.91	278.52	278.47	278.37	278.21	278.20	278.24	278.35
MIN	278.84	278.36	278.35	278.34	278.30	278.07	277.97	277.98	277.89	277.92	277.70	277.63

WTR YR 2005 MEAN 278.42 HIGH 277.63 SEP 25 LOW 279.52 OCT 3

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

COLUMBIA COUNTY--CONTINUED

331609093144902. Local number, 17S21W11DCC2--continued



DESHA COUNTY

335258091152301. Local number, 09S02W26DDC1

LOCATION.--Lat 33°52'57", long 91°15'30", Hydrologic Unit 08050002, near Watson.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 5-2 in, depth 97 ft, cased 0-94 ft, screened 94-97 ft.

DATUM.--Land surface, 149.27 ft above NGVD of 1929. Measuring point: Top of casing, 1.71 ft above land surface.

REMARKS.--Water level fluctuates largely with stage of Arkansas River.

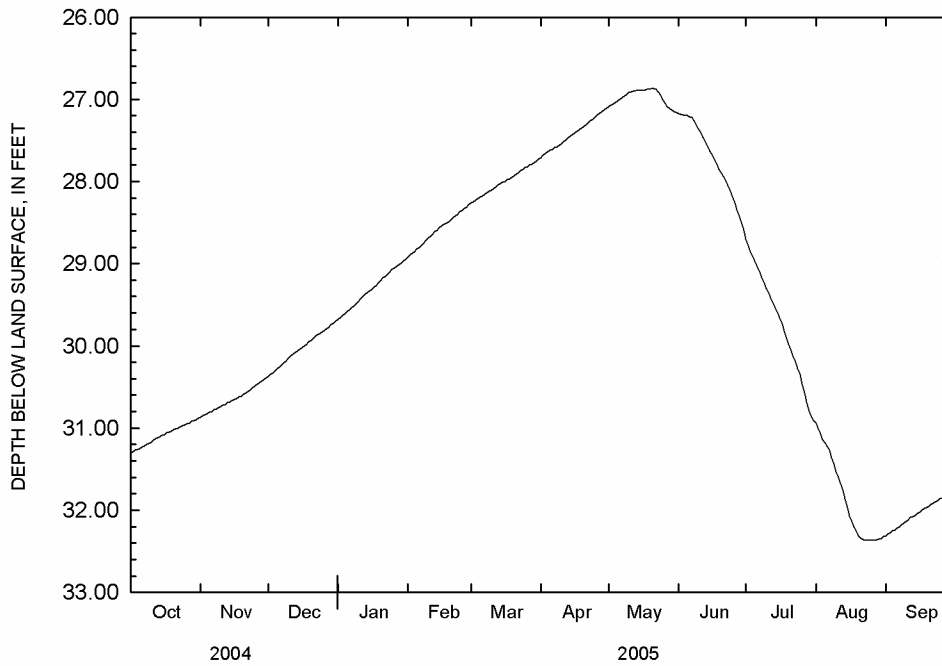
PERIOD OF RECORD.--5-day water levels January 1957 to December 1971, annual water levels 1972-1975, and continuous water levels March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft below land surface, Feb. 17, 1959; lowest, 32.74 ft below land surface, Aug. 30, 2001.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.25	30.81	30.28	29.58	28.82	28.19	27.62	27.02	27.20	28.97	31.18	32.24
10	31.17	30.74	30.15	29.46	28.69	28.11	27.54	26.92	27.36	29.30	31.53	32.14
15	31.09	30.67	30.04	29.33	28.56	28.01	27.43	26.89	27.63	29.60	31.97	32.04
20	31.02	30.59	29.93	29.20	28.47	27.93	27.33	26.87	27.90	29.98	32.31	31.95
25	30.96	30.49	29.83	29.07	28.35	27.83	27.22	27.00	28.18	30.35	32.37	31.86
EOM	30.88	30.39	29.70	28.94	28.28	27.73	27.11	27.16	28.59	30.91	32.32	31.79
MEAN	31.09	30.65	30.03	29.31	28.59	28.00	27.42	26.98	27.71	29.74	31.87	32.04
MAX	31.30	30.87	30.37	29.68	28.92	28.26	27.71	27.16	28.59	30.91	32.37	32.31
MIN	30.88	30.39	29.70	28.94	28.28	27.73	27.11	26.87	27.17	28.70	30.94	31.79
WTR YR 2005	MEAN 29.46	HIGH 26.87	MAY 20	LOW 32.37	AUG 23							

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER
DESHA COUNTY--CONTINUED
335258091152301. Local number, 09S02W26DDC1--continued



FULTON COUNTY

362359091590001. Local number, 20N09W18BAD1

LOCATION.--Lat 36°24'02", long 91°59'04", Hydrologic Unit 11010006, near Viola.

AQUIFER.--Roubidoux formation of lower Ordovician age.

WELL CHARACTERISTICS.--Diameter 8 in, depth 950 ft, cased 510 ft, open 510-950 ft.

DATUM.--Land surface, 875 ft above NGVD of 1929. Measuring point: 2.50 ft above land surface.

PERIOD OF RECORD.--June 1982, July 1987, July 1992, October 1995, June 1996, July 2000, July 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Carbon dioxide, water, unfltrd, mg/L (00405)	pH, water, unfltrd, field, std units (00400)	Specif. conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	
Date		Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue sum of constituents, mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)
JUL	25...			<1	20	7.2	350	17.8	200	39.8	23.4	1.81	.1	
JUL	25...	1.71	2	1.89	<.1	10.8	1.1	184	.28	209	<.10	<.04	.09	<.008

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

385

FULTON COUNTY--CONTINUED

362359091590001. Local number, 20N09W18BAD1--continued

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
JUL 25...	<.02	27.3	<.2	E5.4	<2	E1	<2	3	<6	.38	<2	<.6	E2
Date	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)
JUL 25...	M	<3	31.8	<2	6	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010
Date	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, ug/L (82680)	Carbo-furan, water, fltrd, ug/L (82674)	Chlor-pyrifos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd, ug/L (82677)	EPTC, water, fltrd, ug/L (82668)	Ethal-flur-alin, water, fltrd, ug/L (82663)
JUL 25...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
Date	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide, water, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd, 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, 0.7u GF ug/L (82671)
JUL 25...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003
Date	Naprop-amide, water, fltrd, 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd, ug/L (82669)	Pendi-meth-alin, water, fltrd, ug/L (82683)	Phorate, water, fltrd, ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd, 0.7u GF ug/L (82679)	Propar-gite, water, fltrd, ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd, 0.7u GF ug/L (82670)
JUL 25...	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02
Date				Terba-cil, water, fltrd, ug/L (82665)	Terbu-fos, water, fltrd, ug/L (82675)	Thio-bencarb, water, fltrd, ug/L (82681)	Tri-allate, water, fltrd, ug/L (82678)	Tri-flur-alin, water, fltrd, ug/L (82661)	Alpha-radio-activty, water, fltrd, Th-230, pCi/L (04126)	Gross beta radioac, water, fltrd, Cs-137, pCi/L (03515)			
JUL 25...				<.034	<.02	<.010	<.006	<.009	M	2			

Remark codes used in this table:
 < -- Less than
 E -- Estimated value
 M -- Presence verified but not quantified

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

GARLAND COUNTY

343048093030401. Local number, 02S19W33CBD1

LOCATION.--Lat 34°30'48", long 93°03'04", Hydrologic Unit 08040101, at Hot Springs.

AQUIFER.--Hot Springs Sandstone of Mississippian age.

WELL CHARACTERISTICS.--Depth 336.5 ft.

DATUM.--Land surface, 740 ft above NGVD of 1929. Measuring point: Top of casing, 1.30 ft above land surface.

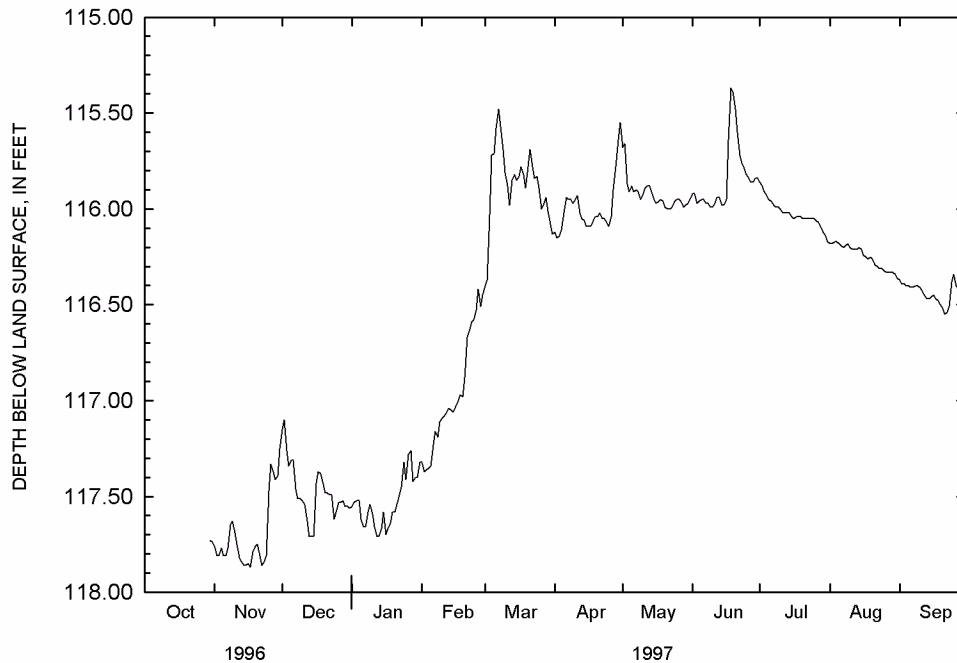
PERIOD OF RECORD.--Continuous water levels February 1991 to March 1995, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.40 ft below land surface Mar. 29, 2005; lowest, 117.87 ft below land surface, Nov. 17, 1996.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	117.81	117.31	117.62	117.34	115.71	116.02	115.88	115.95	115.95	116.18	116.40
10	---	117.69	117.52	117.59	117.09	115.81	115.95	115.93	115.99	116.00	116.20	116.41
15	---	117.86	117.71	117.58	117.06	115.85	116.09	115.95	115.98	116.04	116.21	116.46
20	---	117.75	117.48	117.58	116.88	115.78	116.04	115.99	115.48	116.05	116.26	116.52
25	---	117.47	117.58	117.41	116.53	115.89	116.09	115.95	115.82	116.05	116.32	116.34
EOM	117.74	117.25	117.56	117.32	116.45	116.13	115.55	115.95	115.84	116.17	116.36	116.51
MEAN	117.73	117.71	117.48	117.53	116.97	115.87	116.00	115.92	115.84	116.02	116.25	116.44
MAX	117.74	117.87	117.71	117.71	117.37	116.40	116.15	116.00	115.99	116.17	116.36	116.55
MIN	117.73	117.25	117.10	117.26	116.42	115.48	115.55	115.66	115.37	115.86	116.17	116.34

WTR YR 1997 MEAN 116.55 HIGH 115.37 JUN 18 LOW 117.87 NOV 17



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

387

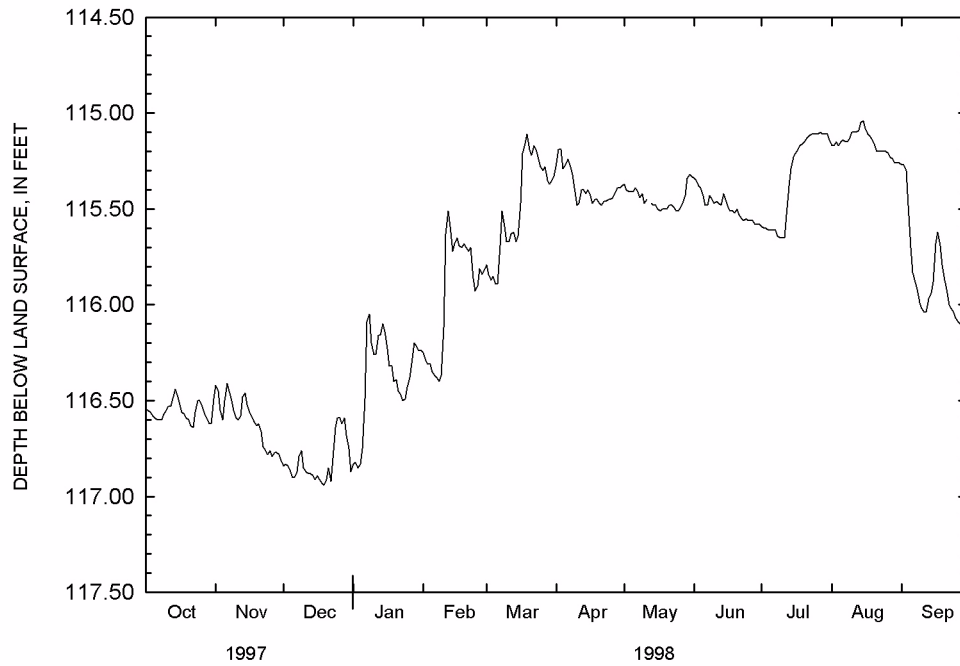
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.59	116.50	116.90	116.75	116.35	115.89	115.27	115.41	115.43	115.61	115.15	115.70
10	116.55	116.59	116.85	116.26	116.12	115.67	115.48	115.47	115.47	115.65	115.10	116.02
15	116.47	116.52	116.91	116.14	115.68	115.64	115.40	115.48	115.45	115.23	115.04	115.88
20	116.60	116.62	116.91	116.39	115.70	115.19	115.47	115.50	115.50	115.15	115.16	115.87
25	116.50	116.76	116.59	116.43	115.90	115.28	115.45	115.51	115.56	115.11	115.20	116.07
EOM	116.49	116.81	116.87	116.24	115.82	115.33	115.38	115.33	115.58	115.14	115.26	116.16
MEAN	116.56	116.61	116.82	116.37	115.94	115.49	115.39	115.45	115.49	115.34	115.16	115.86
MAX	116.64	116.81	116.94	116.85	116.40	115.89	115.48	115.51	115.58	115.65	115.26	116.16
MIN	116.44	116.41	116.59	116.05	115.51	115.11	115.19	115.32	115.34	115.10	115.04	115.27

WTR YR 1998 MEAN 115.87 HIGH 115.04 AUG 15 LOW 116.94 DEC 19



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

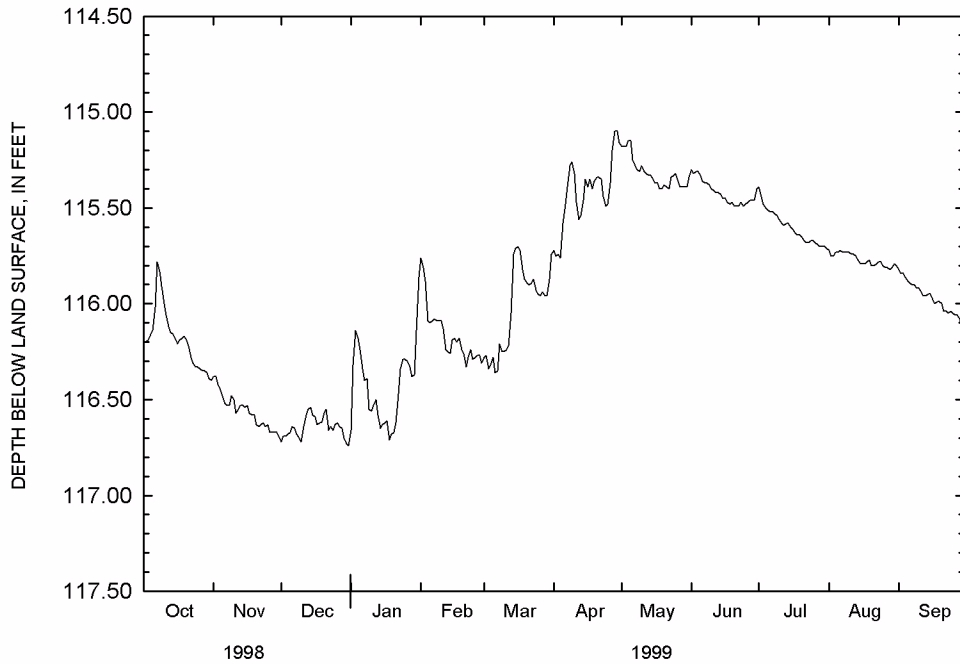
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN 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	116.14	116.48	116.67	116.24	116.10	116.28	115.58	115.15	115.33	115.51	115.73	115.88
10	116.00	116.50	116.72	116.56	116.09	116.25	115.32	115.28	115.40	115.56	115.73	115.92
15	116.18	116.54	116.58	116.63	116.19	115.71	115.35	115.35	115.45	115.60	115.79	115.95
20	116.19	116.63	116.57	116.67	116.26	115.89	115.34	115.38	115.49	115.65	115.80	116.00
25	116.33	116.63	116.63	116.29	116.28	115.95	115.48	115.32	115.48	115.67	115.80	116.05
EOM	116.40	116.69	116.74	115.86	116.31	115.74	115.16	115.34	115.40	115.71	115.80	116.13
MEAN	116.18	116.56	116.64	116.43	116.16	116.03	115.42	115.32	115.42	115.60	115.77	115.97
MAX	116.40	116.69	116.74	116.71	116.33	116.36	115.76	115.40	115.49	115.71	115.82	116.13
MIN	115.78	116.38	116.54	115.86	115.76	115.70	115.10	115.15	115.30	115.39	115.72	115.82

WTR YR 1999 MEAN 115.96 HIGH 115.10 APR 28 LOW 116.74 DEC 31



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

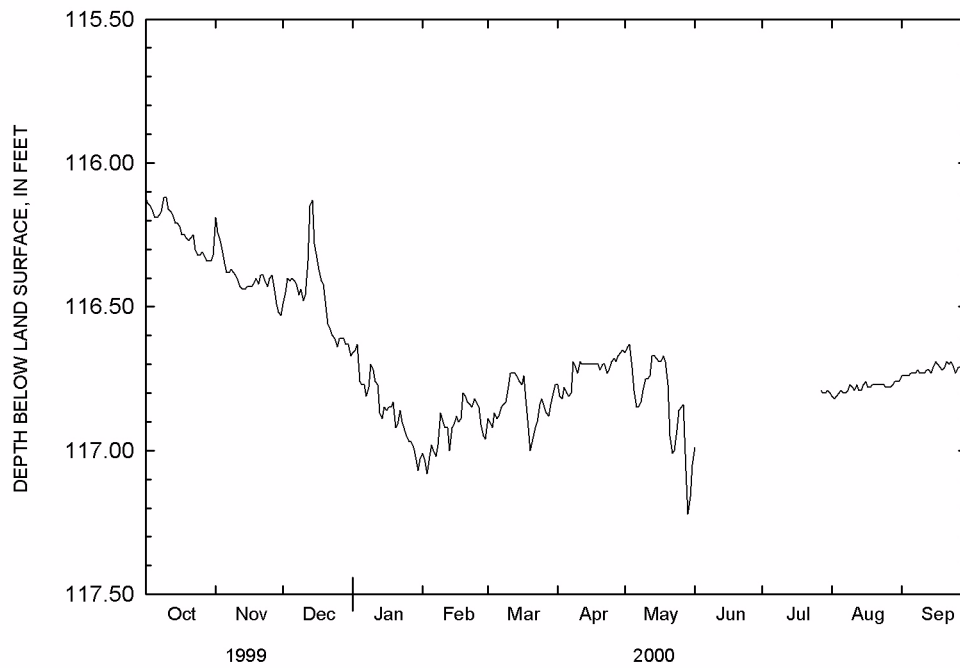
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN 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	116.19	116.35	116.40	116.77	116.98	116.89	116.80	116.79	---	---	116.79	116.73
10	116.12	116.39	116.48	116.72	116.90	116.79	116.73	116.75	---	---	116.78	116.73
15	116.21	116.43	116.28	116.85	116.91	116.76	116.70	116.68	---	---	116.77	116.71
20	116.27	116.42	116.50	116.92	116.81	117.00	116.72	116.77	---	---	116.77	116.71
25	116.32	116.40	116.64	116.95	116.83	116.82	116.69	116.86	---	---	116.78	116.73
EOM	116.32	116.53	116.67	117.03	116.96	116.77	116.65	117.05	---	116.80	116.76	116.68
MEAN	116.23	116.40	116.47	116.85	116.92	116.84	116.72	116.82	116.99	116.80	116.78	116.72
MAX	116.34	116.53	116.67	117.07	117.08	117.00	116.82	117.22	116.99	116.80	116.82	116.74
MIN	116.12	116.19	116.13	116.63	116.80	116.73	116.65	116.63	116.99	116.79	116.76	116.68

WTR YR 2000 MEAN 116.68 HIGH 116.12 OCT 1 LOW 117.22 MAY 29



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

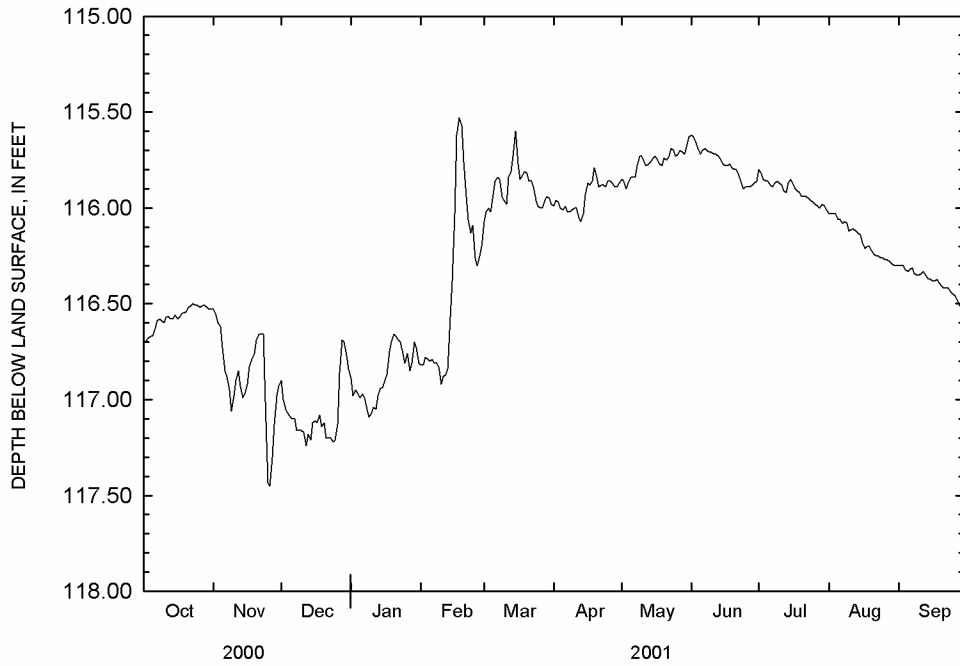
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.67	116.73	117.09	116.99	116.80	115.93	116.01	115.84	115.72	115.86	116.06	116.33
10	116.60	116.98	117.16	117.07	116.92	115.96	116.00	115.73	115.71	115.87	116.12	116.35
15	116.56	116.97	117.12	116.94	116.38	115.60	115.93	115.74	115.77	115.85	116.14	116.37
20	116.54	116.69	117.12	116.66	115.76	115.82	115.84	115.74	115.80	115.94	116.22	116.41
25	116.51	117.43	117.21	116.81	116.26	115.99	115.86	115.73	115.89	115.97	116.26	116.45
EOM	116.53	116.93	116.84	116.81	116.20	115.98	115.87	115.63	115.86	116.01	116.30	116.52
MEAN	116.57	116.89	117.07	116.87	116.41	115.90	115.94	115.76	115.77	115.91	116.17	116.39
MAX	116.70	117.45	117.24	117.09	116.92	116.07	116.07	115.90	115.90	116.01	116.30	116.52
MIN	116.50	116.53	116.69	116.66	115.53	115.60	115.79	115.63	115.62	115.80	116.03	116.30

WTR YR 2001 MEAN 116.30 HIGH 115.53 FEB 18 LOW 117.45 NOV 26



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

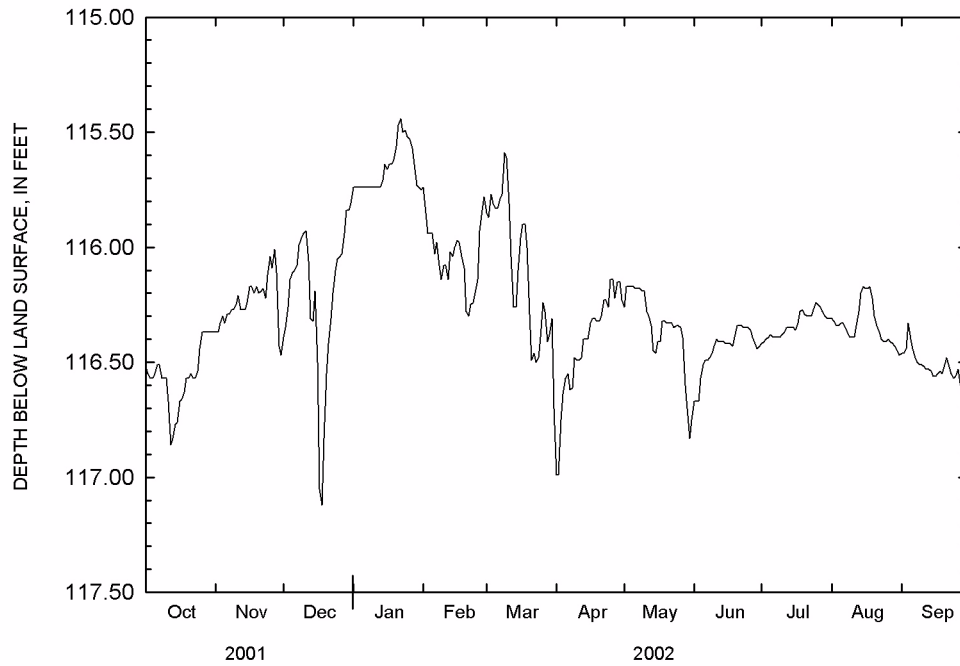
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.55	116.33	116.11	115.74	115.94	115.83	116.57	116.17	116.51	116.38	116.33	116.40
10	116.57	116.25	115.94	115.74	116.08	115.61	116.49	116.19	116.43	116.38	116.39	116.51
15	116.76	116.24	116.19	115.64	116.00	116.10	116.40	116.46	116.42	116.35	116.17	116.56
20	116.57	116.20	116.55	115.56	116.28	116.29	116.32	116.33	116.34	116.29	116.30	116.51
25	116.44	116.04	116.05	115.52	116.14	116.39	116.14	116.34	116.35	116.24	116.41	116.56
EOM	116.37	116.47	115.81	115.75	115.78	116.70	116.23	116.75	116.43	116.31	116.47	116.65
MEAN	116.56	116.24	116.22	115.66	116.04	116.09	116.42	116.35	116.44	116.33	116.34	116.52
MAX	116.86	116.47	117.12	115.75	116.30	116.70	116.99	116.83	116.67	116.42	116.47	116.65
MIN	116.37	116.01	115.81	115.44	115.74	115.59	116.14	116.17	116.34	116.24	116.17	116.33

WTR YR 2002 MEAN 116.27 HIGH 115.44 JAN 22 LOW 117.12 DEC 18



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

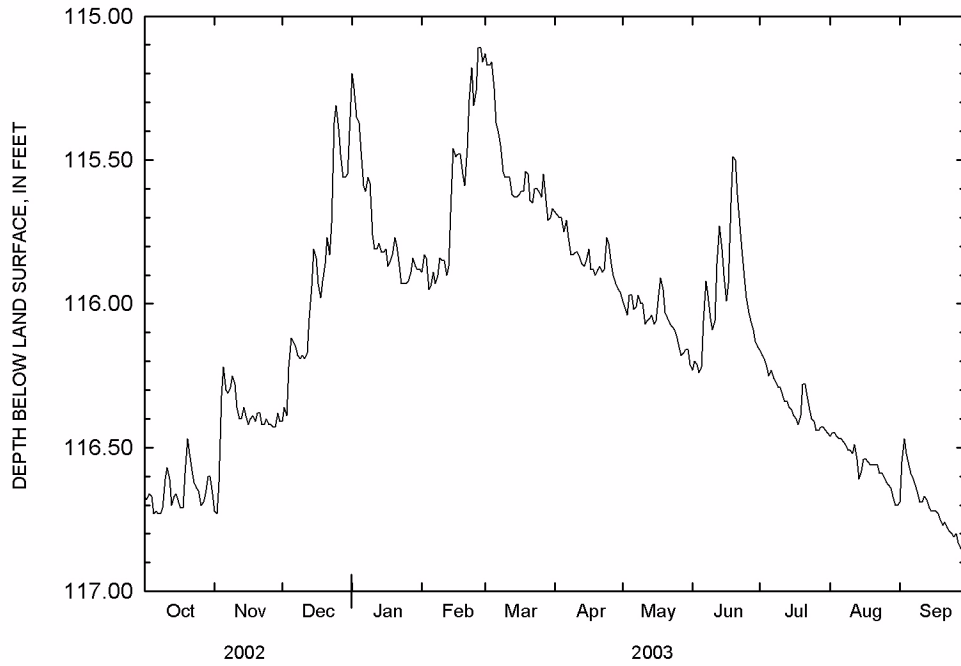
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.73	116.22	116.12	115.47	115.94	115.25	115.75	115.97	116.22	116.25	116.47	116.56
10	116.61	116.28	116.18	115.76	115.85	115.56	115.82	116.00	116.09	116.29	116.51	116.69
15	116.66	116.39	115.81	115.82	115.46	115.63	115.85	116.07	115.90	116.37	116.58	116.72
20	116.47	116.38	115.86	115.77	115.59	115.55	115.88	116.03	115.50	116.28	116.56	116.77
25	116.65	116.42	115.31	115.93	115.26	115.61	115.79	116.11	115.98	116.41	116.60	116.81
EOM	116.66	116.41	115.40	115.88	115.16	115.67	115.96	116.21	116.15	116.45	116.70	116.87
MEAN	116.65	116.40	115.90	115.73	115.61	115.52	115.83	116.05	115.95	116.33	116.55	116.71
MAX	116.73	116.73	116.41	115.93	115.95	115.71	115.96	116.21	116.24	116.45	116.70	116.87
MIN	116.47	116.22	115.31	115.20	115.11	115.13	115.68	115.91	115.49	116.16	116.45	116.47

WTR YR 2003 MEAN 116.11 HIGH 115.11 FEB 26 LOW 116.87 SEP 30



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

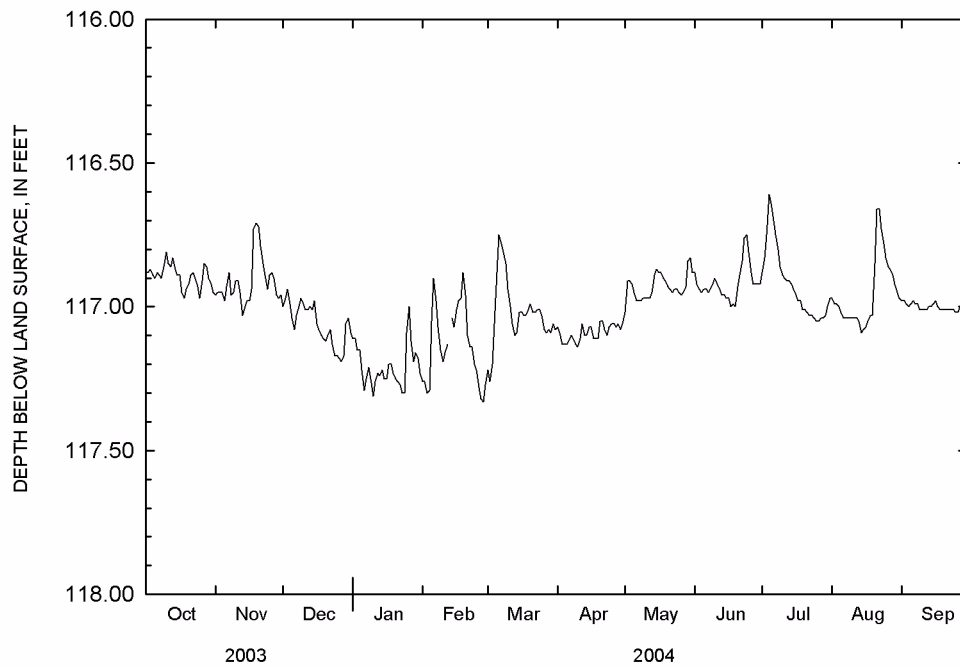
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.90	116.98	117.04	117.22	117.05	116.88	117.13	116.95	116.94	116.64	117.02	116.99
10	116.81	116.91	116.99	117.31	117.19	116.94	117.14	116.97	116.90	116.89	117.04	117.01
15	116.89	116.98	116.98	117.25	117.07	117.02	117.07	116.87	116.97	116.94	117.08	116.99
20	116.92	116.72	117.12	117.25	116.96	116.99	117.05	116.93	116.93	117.01	116.85	117.01
25	116.97	116.89	117.17	117.09	117.22	117.03	117.06	116.95	116.81	117.05	116.83	117.02
EOM	116.95	116.96	117.09	117.23	117.27	117.08	117.06	116.88	116.92	116.97	116.97	117.00
MEAN	116.89	116.91	117.06	117.21	117.13	117.02	117.09	116.93	116.92	116.92	116.96	117.00
MAX	116.97	117.03	117.19	117.31	117.33	117.26	117.14	117.02	117.00	117.05	117.09	117.02
MIN	116.81	116.71	116.94	117.00	116.88	116.75	117.05	116.83	116.75	116.61	116.66	116.98

WTR YR 2004 MEAN 117.00 HIGH 116.61 JUL 4 LOW 117.33 FEB 28



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

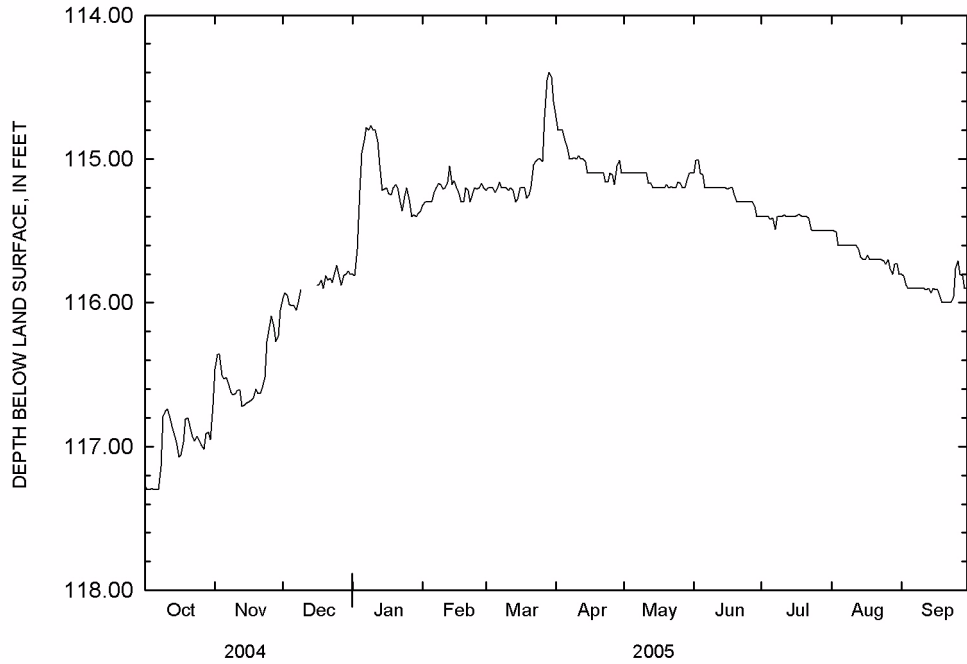
GARLAND COUNTY--Continued

343048093030401. Local number, 02S19W33CBD1--Continued

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	117.30	116.53	116.02	114.96	115.30	115.23	114.87	115.10	115.11	115.42	115.60	115.90
10	116.75	116.63	---	114.80	115.21	115.20	115.00	115.10	115.20	115.40	115.60	115.90
15	116.97	116.70	---	115.21	115.15	115.28	115.10	115.20	115.20	115.40	115.70	115.90
20	116.80	116.63	115.81	115.18	115.20	115.25	115.10	115.18	115.30	115.40	115.70	116.00
25	116.95	116.17	115.74	115.20	115.21	115.00	115.10	115.16	115.30	115.50	115.73	115.76
EOM	116.71	116.05	115.80	115.36	115.20	114.60	115.10	115.10	115.40	115.50	115.80	115.90
MEAN	117.00	116.49	115.88	115.20	115.22	115.07	115.02	115.15	115.22	115.43	115.66	115.90
MAX	117.30	116.72	116.05	115.81	115.32	115.30	115.18	115.20	115.40	115.50	115.80	116.00
MIN	116.71	116.05	115.74	114.77	115.05	114.40	114.71	115.10	115.01	115.39	115.50	115.71

WTR YR 2005 MEAN 115.60 HIGH 114.40 MAR 29 LOW 117.30 OCT 2



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

395

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1

LOCATION.--Lat 36°03'28", long 90°29'02", Hydrologic Unit 08040103, near Paragould.

AQUIFER.--Wilcox Formation of Eocene age.

WELL CHARACTERISTICS.--Diameter 20 in, depth 513 ft, cased 467 ft, screen 467-507 ft..

DATUM.--Land surface, 285 ft above NGVD of 1929. Measuring point: 1 ft above land surface.

PERIOD OF RECORD.--December 1976, June 1981, July 1984, August 1990, July 1995, July 2000, July 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col-lecting sample, code (00027)	Agency ana-lyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Carbon dioxide water, unfltrd mg/L (00405)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	
JUL 26...	1145	80513	80020	8	7.3	7.5	229	22.2	10	2.39	.888	2.13	8	
Date		Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (71846)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	
JUL 26...	57.5	91	1.91	.2	11.7	2.4	161	.23	172	.43	.30	.23	<.06	
Date		Nitrite water, fltrd, mg/L as N (00613)	Organic nitro-gen, water, fltrd, mg/L (00607)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
JUL 26...	<.008	.20	1.09	.35	17.4	<.2	173	<2	<2	<2	<2	<2	356	<.08
Date		Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di-ethyl-aniline water, fltrd, 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
JUL 26...	26	21.1	<4	<2	<3	94.6	<2	E3	<.006	<.006	<.006	<.005	<.005	
Date		Atra-zine, water, fltrd, ug/L (39632)	Azin-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, ug/L (82680)	Carbo-furan, water, fltrd, ug/L (82674)	Chlor-pyri-fos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)
JUL 26...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	
Date		Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd, 0.7u GF ug/L (82663)	Etho-prop, water, fltrd, ug/L (82672)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide, water, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd, 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd, ug/L (82667)
JUL 26...	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

GREENE COUNTY--Continued

360322090290401. Local number, 17N06E31DCB1--Continued

Date	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd, 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd, 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd, 0.7u GF ug/L (82683)	Phorate, water, fltrd, 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd, 0.7u GF ug/L (82679)
JUL 26...	<.006	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011

Date	Propar-gite, water, fltrd, 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd, 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, ug/L (82665)	Terbu-fos, water, fltrd, ug/L (82675)	Thio-bencarb, water, fltrd, ug/L (82681)	Tri-allate, water, fltrd, ug/L (82678)	Tri-flur-alin, water, fltrd, ug/L (82661)	Tri-flur-alin, water, fltrd, ug/L (04126)	Alpha-radioactivity, Th-230, pCi/L (04126)	Gross beta radioac, water, fltrd, pCi/L (03515)
JUL 26...	<.02	<.005	<.02	<.034	<.02	<.010	<.006	<.009	2	2	

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

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 3).

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--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 NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land surface.

PERIOD OF RECORD.--August 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 275.20 ft below land surface, Nov. 30, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 01	262.20	DEC 01	262.00	FEB 01	261.20	APR 01	258.80	MAY 30	256.20	JUL 27	258.30
NOV 01	262.70	JAN 04	261.20	MAR 01	257.70	MAY 01	257.00	JUL 07	258.40	AUG 31	261.20
WATER YEAR 2005	HIGHEST 256.20	MAY 30, 2005	LOWEST 262.70	NOV 01, 2004							

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

397

LONOKE COUNTY

345035091502801. Local number, 03N08W34ADD1

LOCATION.--Lat 34°50'35", long 91°50'28", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 150 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Slot in pump base, 0.55 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 113.3 ft below land surface, Apr. 15, 2002; lowest, 122.29 ft below land surface, Sep. 01, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	120.89	JAN 10	119.71	MAY 06	121.54	SEP 01	122.29
WATER YEAR 2005		HIGHEST	119.71	JAN 10, 2005		LOWEST	122.29
						SEP 01, 2005	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345057091525601. Local number, 03N08W32ABB1

LOCATION.--Lat 34°50'57", long 91°52'56", Hydrologic Unit 08020402, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 154 ft, screened 124-154 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Top of casing, 1.6 ft above land surface.

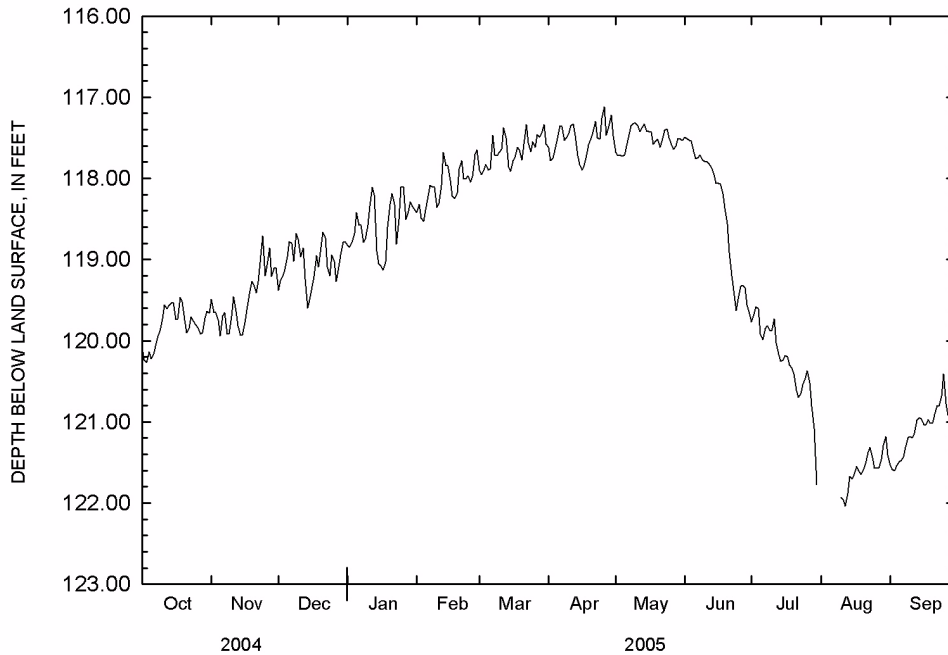
PERIOD OF RECORD.--Continuous water levels June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110.92 ft below land surface, June 20, 2000; lowest, 122.30 ft below land surface, Sep. 10, 2004.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	120.22	119.94	118.97	118.42	118.39	117.90	117.51	117.71	117.67	119.92	---	121.49
10	119.73	119.70	118.75	118.58	118.36	117.68	117.45	117.32	117.79	119.88	121.93	121.18
15	119.53	119.93	119.50	119.05	117.84	117.91	117.83	117.42	118.06	120.24	121.70	120.96
20	119.75	119.31	118.85	118.32	117.88	117.77	117.51	117.52	118.56	120.41	121.60	121.01
25	119.80	119.20	118.94	118.11	118.05	117.55	117.26	117.50	119.49	120.46	121.57	120.41
EOM	119.66	119.10	118.78	118.39	117.65	117.58	117.48	117.53	119.67	---	121.41	120.90
MEAN	119.82	119.48	119.03	118.57	118.09	117.66	117.51	117.51	118.37	120.24	121.59	121.09
MAX	120.27	119.94	119.60	119.13	118.53	117.95	117.90	117.73	119.67	121.77	122.04	121.60
MIN	119.47	118.71	118.66	118.10	117.65	117.34	117.12	117.32	117.49	119.58	121.18	120.41

WTR YR 2005 MEAN 119.02 HIGH 117.12 APR 26 LOW 122.04 AUG 12



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

399

LONOKE COUNTY--CONTINUED

345125091533301. Local number, 03N08W29BCC1

LOCATION.--Lat 34°51'25", long 91°53'33", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 130 ft.

DATUM.--Land surface 240 ft above NGVD of 1929. Measuring point: Plug on top of casing, 0.32 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 109.36 ft below land surface, Feb. 22, 2001; lowest, 128.83 ft below land surface, Oct. 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	126.11	JAN 10	127.25	MAY 05	128.38	AUG 30	128.77
WATER YEAR 2005		HIGHEST 126.11		OCT 13, 2004		LOWEST 128.77 AUG 30, 2005	

345129091455801. Local number, 03N07W29ADA1

LOCATION.--Lat 34°51'29", long 91°45'58", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 234 ft.

DATUM.--Land surface 240 ft above NGVD of 1929. Measuring point: Discharge pipe, 8.70 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.53 ft below land surface, Feb. 23, 2001; lowest, 91.66 ft below land surface, Oct. 14, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	91.66	JAN 12	89.43	MAY 06	90.34	SEP 01	90.69
WATER YEAR 2005		HIGHEST 89.43 JAN 12, 2005		LOWEST 91.66		OCT 14, 2004	

345147091533301. Local number, 03N08W29BBB1

LOCATION.--Lat 34°51'47", long 91°53'33", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 152.2 ft.

DATUM.--Land surface 249 ft above NGVD of 1929. Measuring point: Top of casing at vent plug, 1.35 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.28 ft below land surface, Apr. 30, 2001; lowest, 112.58 ft below land surface, Aug. 30, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	111.69	JAN 10	111.38	MAY 05	111.54	AUG 30	112.58
WATER YEAR 2005		HIGHEST 111.38 JAN 10, 2005		LOWEST 112.58		AUG 30, 2005	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345152091502401. Local number, 03N08W22DDD2

LOCATION.--Lat 34°51'52", long 91°53'25", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Memphis Sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 325 ft, screened 279-325 ft.

DATUM.--Land surface 235 ft above NGVD of 1929. Measuring point: Vent pipe in pump, 1.00 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.24 ft below land surface, Apr. 13, 1999; lowest, 105.00 ft below land surface, Oct. 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	95.39	JAN 11	95.49	MAY 05	96.24	AUG 30	100.62
WATER YEAR 2005		HIGHEST 95.39	OCT 14, 2004		LOWEST 100.62	AUG 30, 2005	

345152091502402. Local number, 03N08W22DAD1

LOCATION.--Lat 34°52'05", long 91°50'24", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Memphis Sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 319 ft, screened 269-319 ft.

DATUM.--Land surface 233 ft above NGVD of 1929. Measuring point: Top vent line of pump housing, 2.48 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.50 ft below land surface, Dec. 01, 1985; lowest, 93.21 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	92.55	JAN 10	92.33	MAY 05	92.69	AUG 31	93.21
WATER YEAR 2005		HIGHEST 92.33	JAN 10, 2005		LOWEST 93.21	AUG 31, 2005	

345205091502401. Local number, 03N08W22DAD2

LOCATION.--Lat 34°52'05", long 91°50'24", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Memphis Sand of Eocene age.

WELL CHARACTERISTICS.--Depth 310 ft.

DATUM.--Land surface 233 ft above NGVD of 1929. Measuring point: Top of casing, 0.25 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.92 ft below land surface, Feb. 23, 2001; lowest, 101.52 ft below land surface, Jul. 08, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	96.67	JAN 10	96.45	MAY 05	96.57	AUG 31	97.94
WATER YEAR 2005		HIGHEST 96.45	JAN 10, 2005		LOWEST 97.94	AUG 31, 2005	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

401

LONOKE COUNTY--CONTINUED

345402091502201. Local number, 03N08W10ADD1

LOCATION.--Lat 34°54'01", long 91°50'23", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 165 ft, screened 143.9-163.9 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Top of casing, 1.12 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.00 ft below land surface, Oct. 23, 1998; lowest, 89.70 ft below land surface, Jul, 19, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	89.28	JAN 11	89.50	MAY 06	89.14	AUG 31	89.49
WATER YEAR 2005		HIGHEST 89.14		MAY 6, 2005		LOWEST 89.50 JAN 11, 2005	

345403091493501. Local number, 03N08W11ACD1

LOCATION.--Lat 34°54'02", long 91°49'35", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Memphis Sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 220 ft, screened 200-220 ft.

DATUM.--Land surface 248 ft above NGVD of 1929. Measuring point: Top of casing, 1.62 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.55 ft below land surface, Feb. 24, 1999; lowest, 92.27 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	90.91	JAN 11	90.74	MAY 05	91.62	AUG 31	92.27
WATER YEAR 2005		HIGHEST 90.74		JAN 11, 2005		LOWEST 92.27 AUG 31, 2005	

345407091463801. Local number, 03N07W08BDB1

LOCATION.--Lat 34°54'07", long 91°46'38", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 125 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Down discharge pipe, 8.25 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.81 ft below land surface, Dec. 05, 2000; lowest, 94.88 ft below land surface, Jan. 21, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	94.64	JAN 11	92.78	MAY 06	94.38	SEP 01	93.87
WATER YEAR 2005		HIGHEST 92.78		JAN 11, 2005		LOWEST 94.64 OCT 14, 2004	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345413091493401. Local number, 03N08W11ACA1

LOCATION.--Lat 34°54'13", long 91°49'34", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 144 ft, screened 123-143 ft.

DATUM.--Land surface 256 ft above NGVD of 1929. Measuring point: Top of casing, 0.81 ft above land surface.

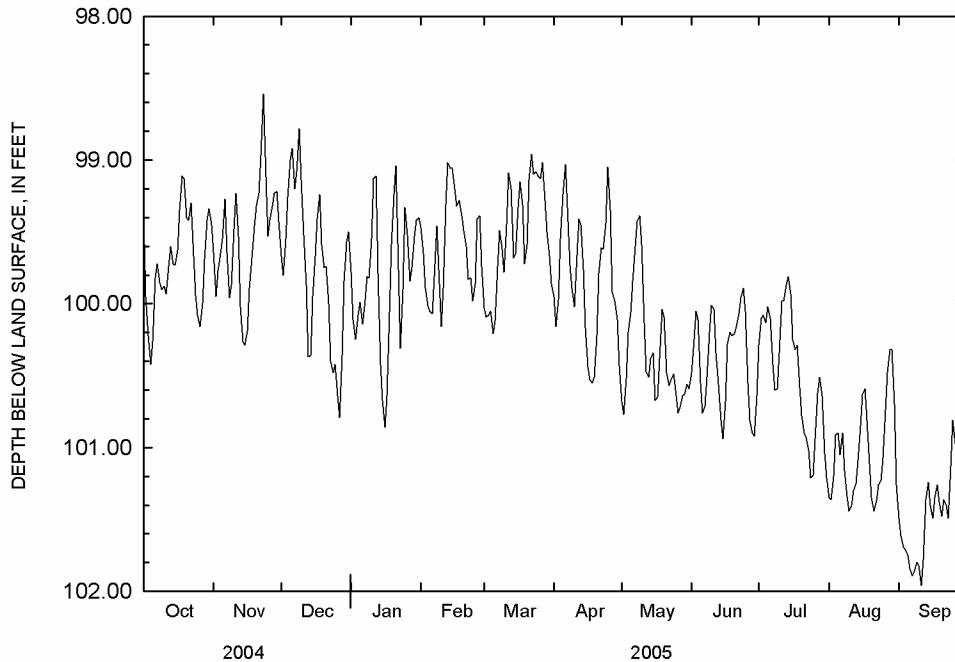
PERIOD OF RECORD.--Continuous water levels January 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.78 ft below land surface, January 11, 1999: lowest, 101.96 ft below land surface, Sep. 11, 2005.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	100.26	99.55	99.00	99.99	100.05	100.21	99.24	100.06	100.55	100.02	100.90	101.75
10	99.88	99.48	99.14	99.55	100.16	99.78	100.02	99.59	100.01	100.34	101.44	101.82
15	99.73	100.29	99.95	100.67	99.06	99.65	100.17	100.34	100.94	99.93	100.85	101.40
20	99.40	99.32	99.75	99.24	99.49	99.59	100.22	100.09	100.21	100.78	101.35	101.48
25	100.08	99.53	100.42	99.33	99.86	99.11	99.05	100.60	100.05	101.19	101.07	100.81
EOM	99.45	99.43	99.50	99.40	99.74	99.86	100.43	100.59	100.64	101.21	101.26	100.68
MEAN	99.71	99.55	99.74	99.83	99.61	99.52	99.83	100.33	100.40	100.47	101.04	101.43
MAX	100.42	100.29	100.79	100.86	100.16	100.21	100.55	100.77	100.94	101.21	101.44	101.96
MIN	99.11	98.54	98.78	99.04	99.02	98.96	99.03	99.39	99.89	99.81	100.32	100.68

WTR YR 2005 MEAN 100.13 HIGH 98.54 NOV 23 LOW 101.96 SEP 11



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

403

LONOKE COUNTY--CONTINUED

345415091505301. Local number, 03N08W10ACB1

LOCATION.--Lat 34°54'15", long 91°50'53", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 150 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Top of casing, 0.65 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.77 ft below land surface, Dec. 06, 2000; lowest, 89.29 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	89.13	JAN 11	87.87	MAY 06	89.06	AUG 31	89.29
WATER YEAR 2005		HIGHEST 87.87	JAN 11, 2005	LOWEST 89.29	AUG 31, 2004		

345419091493601. Local number, 03N08W11ABD1

LOCATION.--Lat 34°54'19", long 91°49'36", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 160 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: Top of casing, 0.65 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.00 ft below land surface, May 12, 1982; lowest, 103.34 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	102.04	JAN 11	102.03	MAY 05	102.92	AUG 31	103.34
WATER YEAR 2005		HIGHEST 102.03	JAN 11, 2005	LOWEST 103.34	AUG 31, 2005		

345427091524801. Local number, 03N08W08ABA1

LOCATION.--Lat 34°54'27", long 91°52'48", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 150 ft.

DATUM.--Land surface 258 ft above NGVD of 1929. Measuring point: Top of casing at plug, 0.55 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.97 ft below land surface, Apr. 30, 2001; lowest, 92.42 ft below land surface, Jan 21, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	92.28	JAN 11	90.45	MAY 05	91.51	AUG 31	92.08
WATER YEAR 2005		HIGHEST 90.45	JAN 11, 2005	LOWEST 92.28	OCT 14, 2004		

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345429091532301. Local number, 03N08W05CCC1

LOCATION.--Lat 34°54'29", long 91°53'24", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 130 ft.

DATUM.--Land surface 257 ft above NGVD of 1929. Measuring point: Top of casing, 0.15 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.95 ft below land surface, Apr. 30, 2001; lowest, 80.01 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	79.85	JAN 11	78.97	MAY 05	79.82	AUG 31	80.01
WATER YEAR 2005		HIGHEST	78.97	JAN 11, 2005		LOWEST	80.01
						AUG 31, 2005	

345430091512301. Local number, 03N08W03CCC1

LOCATION.--Lat 34°54'30", long 91°51'23", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 162 ft.

DATUM.--Land surface 260 ft above NGVD of 1929. Measuring point: Top of casing, 3.62 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.28 ft below land surface, Apr. 20, 2001; lowest, 101.18 ft below land surface, May 5, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	100.07	JAN 11	100.40	MAY 05	101.18	AUG 31	101.01
WATER YEAR 2005		HIGHEST	100.07	OCT 14, 2004		LOWEST	101.18
						MAY 5, 2005	

345519091505401. Local number, 03N08W03BAA1

LOCATION.--Lat 34°55'19", long 91°50'54", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 4 in., depth 162 ft.

DATUM.--Land surface 260 ft above NGVD of 1929. Measuring point: Top of casing, 3 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.81 ft below land surface, Jan. 11, 1999; lowest, 93.94 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	91.75	JAN 11	91.99	MAY 05	93.11	AUG 31	93.94
WATER YEAR 2005		HIGHEST	91.75	OCT 14, 2004		LOWEST	93.94
						AUG 31, 2005	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

405

LONOKE COUNTY--CONTINUED

345541091491401. Local number, 04N08W36DBB1

LOCATION.--Lat 34°55'41", long 91°49'14", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 130 ft.

DATUM.--Land surface 259 ft above NGVD of 1929. Measuring point: Top of casing, 0.35 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.22 ft below land surface, May 01, 2001; lowest, 92.55 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	91.96	JAN 12	89.76	MAY 06	91.56	AUG 31	92.55
WATER YEAR 2005		HIGHEST 89.76	JAN 12, 2005	LOWEST 92.55	AUG 31, 2005		

345547091543901. Local number, 04N08W31CBB2

LOCATION.--Lat 34°55'48", long 91°54'39", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 50 ft.

DATUM.--Land surface 283 ft above NGVD of 1929. Measuring point: Top of casing, 0.31 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.80 ft below land surface, Jan 11, 2005; lowest, 32.42 ft below land surface, Oct. 18, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	27.92	JAN 11	26.80	MAY 05	27.86	AUG 31	28.90
WATER YEAR 2005		HIGHEST 26.80	JAN 11, 2005	LOWEST 28.90	AUG 31, 2005		

345614091522501. Local number, 04N08W28CCC1

LOCATION.--Lat 34°56'15", long 91°52'25", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 12 in, depth 137 ft, screened 107-137 ft.

DATUM.--Land surface 259 ft above NGVD of 1929. Measuring point: Top of vent line, 1.30 ft ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.00 ft below land surface, Oct. 05, 1995; lowest, 65.30 ft below land surface, Jan. 21, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	59.58	JAN 11	59.31	MAY 05	60.07	AUG 30	60.19
WATER YEAR 2005		HIGHEST 59.31	JAN 11, 2005	LOWEST 60.19	AUG 30, 2005		

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345615091580601. Local number, 04N08W05ACA1

LOCATION.--Lat 35°00'21", long 91°52'47", Hydrologic Unit 08020301, near Ward.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 138 ft.

DATUM.--Land surface 238 ft above NGVD of 1929. Measuring point: Air line plug, 0.15 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.27 ft below land surface, Jan. 11, 2005; lowest, 47.85 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	44.70	JAN 11	43.27	MAY 05	47.43	AUG 31	47.85
WATER YEAR 2005		HIGHEST	43.27	JAN 11, 2005		LOWEST	47.85
						AUG 31, 2005	

345618091521201. Local number, 04N08W28CAC1

LOCATION.--Lat 34°56'20", long 91°52'16", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 12 in, depth 140.5 ft, screened 110.5-140.5 ft.

DATUM.--Land surface 235 ft above NGVD of 1929. Measuring point: Top of vent line, 2.00 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.00 ft below land surface, Sep. 08, 1995; lowest, 54.86 ft below land surface, Aug. 31, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	53.82	JAN 11	53.74	MAY 05	54.60	AUG 31	54.86
WATER YEAR 2005		HIGHEST	53.74	JAN 11, 2005		LOWEST	54.86
						AUG 31, 2005	

345626091520401. Local number, 04N08W28CAD1

LOCATION.--Lat 34°56'26", long 91°52'04", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 115 ft.

DATUM.--Land surface 249 ft above NGVD of 1929. Measuring point: Top of casing, 0.47 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.77 ft below land surface, Mar. 26, 2001; lowest, 72.42 ft below land surface, Oct. 21, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	69.13	JAN 11	68.98	MAY 05	70.85	AUG 31	71.42
WATER YEAR 2005		HIGHEST	68.98	JAN 11, 2005		LOWEST	71.42
						AUG 31, 2005	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

LONOKE COUNTY--CONTINUED

345757091515401. Local number, 04N08W16DCC1

LOCATION.--Lat 34°57'57", long 91°51'54", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 155 ft.

DATUM.--Land surface 225 ft above NGVD of 1929. Measuring point: Down discharge pipe, 3.73 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.07 ft below land surface, Apr. 30, 2001; lowest, 47.28 ft below land surface, Jan. 21, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 13	45.73	JAN 11	44.84	MAY 06	45.40	AUG 31	45.96
WATER YEAR 2005		HIGHEST	44.84	JAN 11, 2005		LOWEST	45.96
						AUG 31, 2005	

345917091505501. Local number, 04N08W10BDD1

LOCATION.--Lat 34°59'17", long 91°50'56", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 130 ft.

DATUM.--Land surface 218 ft above NGVD of 1929. Measuring point: Top of casing, 0.64 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.46 ft below land surface, Jan. 11, 2005; lowest, 29.29 ft below land surface, Jul. 09, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	25.88	JAN 11	23.46	MAY 05	24.43	AUG 31	25.50
WATER YEAR 2005		HIGHEST	23.46	JAN 11, 2005		LOWEST	25.88
						OCT 14, 2004	

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

409

MONTGOMERY COUNTY

343726093481801. Local number, 01S26W29DCC1

LOCATION.--Lat 34°37'26", long 93°48'18", Hydrologic Unit 08040101, near Oden.

AQUIFER.--Stanley Shale of Devonian age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 204 ft, cased 0-84 ft, screened 84-204 ft.

DATUM.--Land surface, 895 ft above NGVD of 1929. Measuring point: Top of casing, 2.6 ft below land surface.

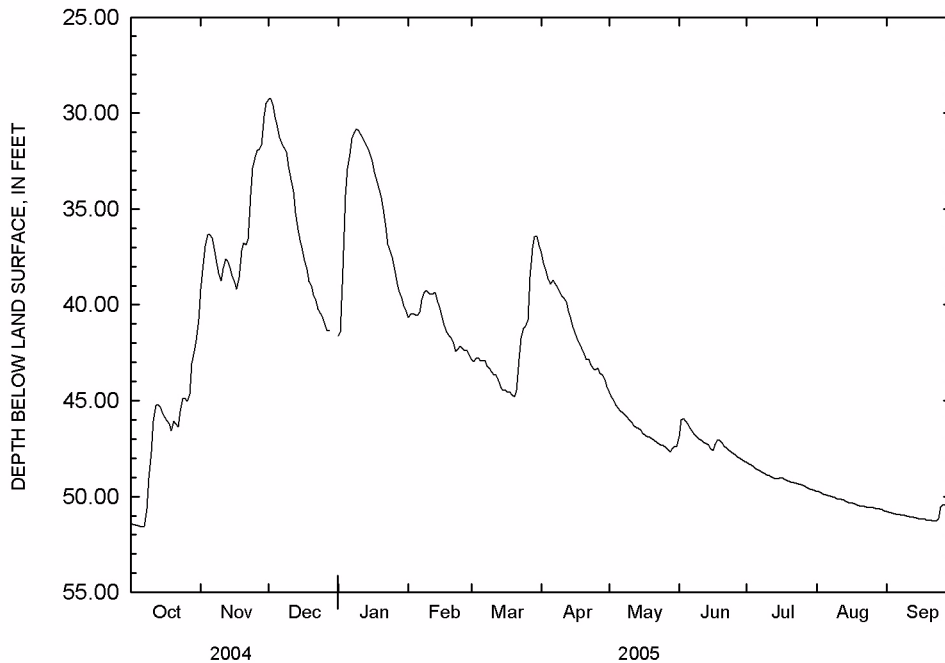
PERIOD OF RECORD.--August 1937, Monthly water levels January 1998 to April 2004, and continuous water levels April 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.23 ft below land surface, Dec. 2, 2004; lowest, 54.00 ft below land surface, Aug. 27, 1937.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	51.55	36.33	30.76	32.91	40.54	42.92	38.91	45.39	46.22	48.54	49.91	50.90
10	47.67	38.74	32.76	30.93	39.40	43.49	39.56	45.99	47.00	48.86	50.10	51.03
15	45.59	38.47	36.61	32.10	40.11	44.45	41.15	46.52	47.51	49.08	50.30	51.14
20	46.07	36.79	39.02	34.40	41.74	44.79	42.59	46.96	47.22	49.21	50.47	51.25
25	44.87	32.29	40.62	37.51	42.28	41.13	43.41	47.33	47.75	49.38	50.59	50.55
EOM	40.74	29.51	---	40.36	42.59	36.87	44.28	47.42	48.16	49.69	50.73	50.31
MEAN	46.83	36.13	35.68	35.13	40.86	42.29	41.09	46.48	47.18	49.04	50.28	50.94
MAX	51.58	39.20	41.35	41.64	42.59	44.79	44.28	47.66	48.16	49.69	50.73	51.29
MIN	40.74	29.51	29.23	30.83	39.27	36.44	37.30	44.57	45.94	48.21	49.73	50.31

WTR YR 2005 MEAN 43.58 HIGH 29.23 DEC 2 LOW 51.58 OCT 6



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

PHILLIPS COUNTY

343108090462601. Local number, 02S03E15ACD1

LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 18 in, depth 112 ft.

DATUM.--Land surface, 174 ft above NGVD of 1929. Measuring point: Top of casing, at land surface.

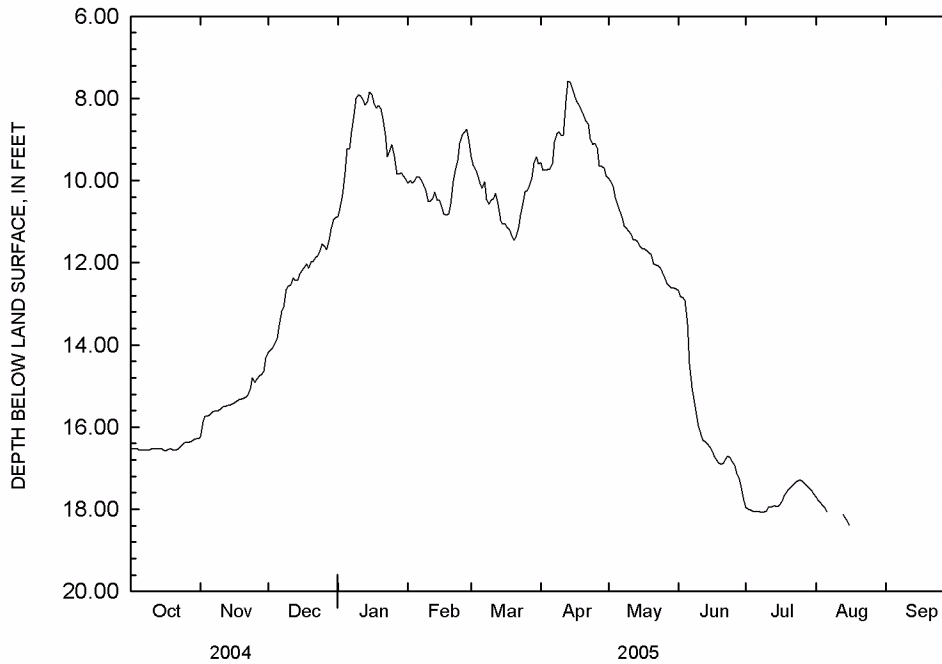
PERIOD OF RECORD.--Annual water levels March 1955, semi-annual water levels 1961-1974, monthly water levels January 1957 to April 1960, and continuous water levels October 1975 to September 1994, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft below land surface, Apr. 25, 1973; lowest, 36.99 ft below land surface, Jan. 7, 2002.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.56	15.71	13.84	9.24	9.91	10.08	9.72	10.60	13.49	18.07	17.97	---
10	16.54	15.56	12.58	7.91	10.51	10.48	8.91	11.23	15.98	18.04	---	---
15	16.54	15.45	12.28	7.85	10.47	11.06	7.76	11.60	16.48	17.94	18.30	---
20	16.56	15.30	11.98	8.26	10.57	11.45	8.42	11.80	16.91	17.52	---	---
25	16.38	14.91	11.54	9.13	8.89	10.28	9.09	12.25	16.84	17.29	---	---
EOM	16.29	14.32	10.90	9.97	8.99	9.59	9.89	12.64	17.78	17.62	---	---
MEAN	16.49	15.34	12.40	8.97	10.02	10.42	8.90	11.55	15.92	17.74	18.03	---
MAX	16.58	16.23	14.18	10.88	10.84	11.45	9.89	12.64	17.78	18.08	18.39	---
MIN	16.29	14.32	10.90	7.85	8.75	9.43	7.59	9.95	12.69	17.29	17.70	---

WTR YR 2005 MEAN 12.96 HIGH 7.59 APR 13 LOW 18.39 AUG 16



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

411

PRAIRIE COUNTY

345709091460701. Local number, 04N07W20DDB1

LOCATION.--Lat 34°57'09", long 91°46'07", Hydrologic Unit 08020301, near Wattensaw.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 160 ft.

DATUM.--Land surface 255 ft above NGVD of 1929. Measuring point: Plug west side of pump, 1.26 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.12 ft below land surface, Dec. 06, 2000; lowest, 111.96 ft below land surface, Sep. 01, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

	WATER LEVEL		WATER LEVEL		WATER LEVEL		WATER LEVEL
OCT 14	109.87	JAN 11	109.33	MAY 06	110.42	SEP 01	111.96
WATER YEAR 2005		HIGHEST	108.33	JAN 11, 2005		LOWEST	111.96
				SEP 01, 2005			

SEVIER COUNTY

335806094100102. Local number, 09S30W23BDD2

LOCATION.--Lat 33°58'06", long 94°10'01", Hydrologic Unit 11140109, near Lockesburg.

AQUIFER.--Trinity Group of lower Cretaceous age.

WELL CHARACTERISTICS.--Diameter 12 in, depth 195 ft, cased 175 ft, screen 175-195 ft..

DATUM.--Land surface, 440 ft above NGVD of 1929. Measuring point: 1 ft above land surface.

PERIOD OF RECORD.--June 1972, February 1977, June 1982, August 1989, August 1994, July 2000, August 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Carbon dioxide, water, unfltrd mg/L (00405)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, mg/L as CaCO3 deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	
AUG 01...	1000	80513	80020	2	24	6.2	81	21.8	14	3.13	1.50	1.40	.6	
Date		Sodium, water, fltrd, mg/L (00930)	Sodium percent (00932)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	
AUG 01...	5.22	42	6.70	<.1	15.3	.8	48	.07	48	E.05	<.04	.80	<.008	
Date		Ortho-phosphate, water, fltrd, mg/L as P (00671)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
AUG 01...		<.02	20.1	E.2	8.5	<2	<2	<2	19	E6	2.99	7	2.6	<4

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

SEVIER COUNTY--CONTINUED

335806094100102. Local number, 09S30W23BDD2--CONTINUED

Date	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, ug/L (82686)	Ben-flur-alin, water, fltrd, ug/L (82673)
AUG 01...	M	<3	19.9	<2	20	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010
Date	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF (82680)	Carbo-furan, water, fltrd, 0.7u GF (82674)	Chlor-pyrifos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd, 0.7u GF (82677)	EPTC, water, fltrd, 0.7u GF (82668)	Ethal-flur-alin, water, fltrd, ug/L (82663)
AUG 01...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
Date	Etho-prop, water, fltrd, ug/L (82672)	Desulf-inyl fipro-nil amide, wat flt, ug/L (62169)	Fipro-nil sulfide, water, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd, 0.7u GF (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd, ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, ug/L (82671)
AUG 01...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003
Date	Naprop-amide, water, fltrd, ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Feb-ulate, water, fltrd, ug/L (82669)	Pendi-meth-alin, water, fltrd, ug/L (82683)	Phorate, water, fltrd, ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd, ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd, ug/L (82679)	Propar-gite, water, fltrd, ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd, ug/L (82670)
AUG 01...	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02
Date			Terba-cil, water, fltrd, ug/L (82665)	Terbu-fos, water, fltrd, ug/L (82675)	Thio-bencarb, water, fltrd, ug/L (82681)	Tri-allate, water, fltrd, ug/L (82678)	Tri-flur-alin, water, fltrd, ug/L (82661)	Alpha radio-activty, water, fltrd, Th-230, pCi/L (04126)	Gross beta radioac, water, fltrd, Cs-137, pCi/L (03515)				
AUG 01...			<.034	<.02	<.010	<.006	<.009	M	2				

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.
 M -- Presence verified but not quantified.

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

STONE COUNTY

355927092122401. Local number, 16N12W25DCB1

LOCATION.--Lat 35°59'25", long 92°12'22", Hydrologic Unit 11010004, near Fifty-Six.

AQUIFER.--Boone Formation of Mississippian age.

WELL CHARACTERISTICS.--Drilled well, depth 84.00 ft,

DATUM.--Land surface, 485 ft above NGVD of 1929.

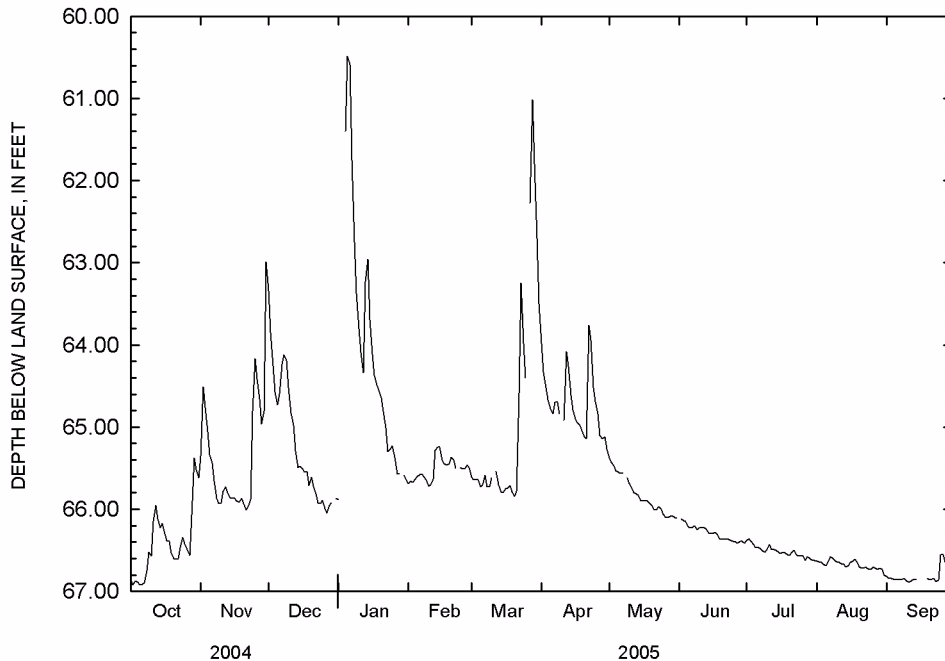
PERIOD OF RECORD.--Monthly water levels March 1998 to September 2004, and continuous water levels October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.49 ft below land surface, Jan. 5, 2005; lowest, 69.84 ft below land surface, Mar. 14, 2000.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	66.92	65.34	64.73	60.49	65.60	65.73	64.78	65.55	66.21	66.47	66.69	66.86
10	66.57	65.92	64.52	63.80	65.72	65.62	---	65.69	66.23	66.49	66.64	66.87
15	66.17	65.87	65.48	63.69	65.24	65.80	64.79	65.90	66.30	66.52	66.69	---
20	66.60	65.93	65.61	64.64	65.37	65.84	65.12	65.95	66.37	66.56	66.70	66.86
25	66.42	64.17	65.89	65.23	65.51	64.40	64.69	66.06	66.39	66.57	66.73	66.55
EOM	65.62	62.99	65.87	65.64	65.49	63.50	65.27	66.11	66.41	66.62	66.80	66.76
MEAN	66.42	65.37	65.18	64.07	65.52	64.88	64.71	65.84	66.29	66.51	66.68	66.81
MAX	66.92	66.01	66.05	65.88	65.72	65.84	65.27	66.11	66.41	66.62	66.80	66.89
MIN	65.38	62.99	63.34	60.49	65.24	61.02	63.76	65.38	66.12	66.36	66.58	66.55

WTR YR 2005 MEAN 65.70 HIGH 60.49 JAN 5 LOW 66.92 OCT 2



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1

LOCATION.--Lat 33°01'09", long 92°43'26", Hydrologic Unit 08040206, near Junction City..

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 601 ft., screened 546-601 ft.

DATUM.--Land surface 175 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual samples January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JAN 25...	1400	80513	80020	625	22.5	95.8
JUL 06...	0810	80513	80020	581	24.6	96.2

330219092111201. Local number, 19S11W25AAA1

LOCATION.--Lat 33°02'18", long 92°11'13", Hydrologic Unit 08040202, near Huttig City.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 529 ft.

DATUM.--Land surface 135 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual samples January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JAN 25...	1005	80513	80020	1090	20.1	215
JUL 06...	1225	80513	80020	1190	23.5	217

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

330855092505601. Local number, 18S17W22BDD1

LOCATION.--Lat 33°08'56", long 92°50'56", Hydrologic Unit 08040206, near Shuler.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 705 ft., cased 0-605 ft, screened 605-705 ft.

DATUM.--Land surface 285 ft above NGVD of 1929. Measuring point: Top of casing, 1.20 ft above land surface.

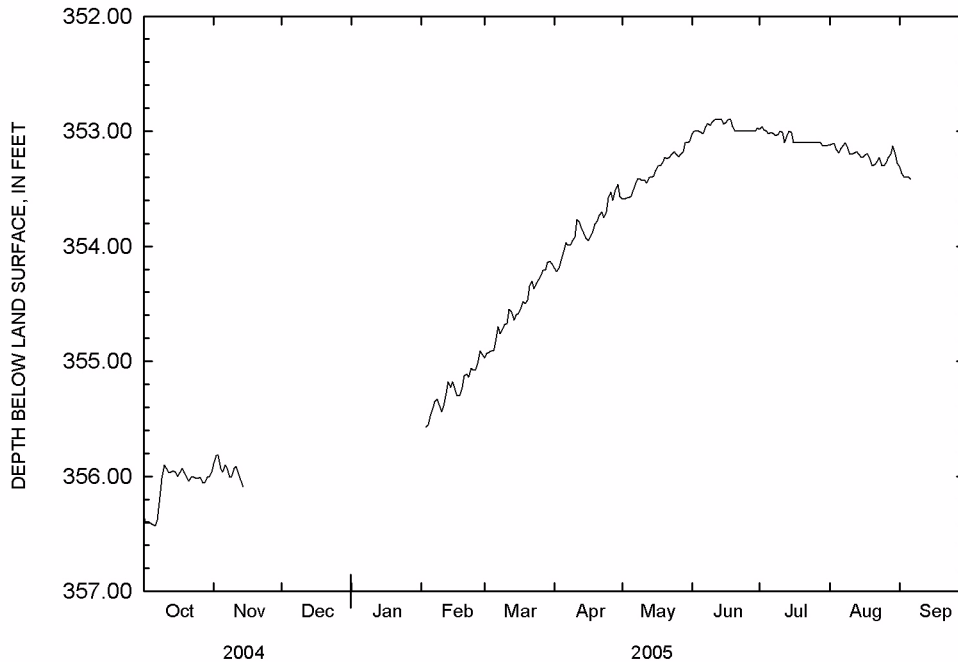
PERIOD OF RECORD.--April 1968 to September 1991, October 1993 to July 1995, July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft below land surface, Apr. 3, 1968; lowest, 369.60 ft below land surface, Sep. 23, 1996.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	356.42	355.96	---	---	355.48	354.91	354.05	353.56	353.01	353.02	353.19	353.40
10	355.90	355.93	---	---	355.44	354.68	353.92	353.43	352.92	353.00	353.20	---
15	355.96	---	---	---	355.18	354.60	353.93	353.39	352.94	353.01	353.23	---
20	356.01	---	---	---	355.13	354.47	353.78	353.23	353.00	353.10	353.30	---
25	356.02	---	---	---	355.07	354.29	353.58	353.20	353.00	353.10	353.30	---
EOM	355.96	---	---	---	354.94	354.15	353.57	353.09	352.97	353.12	353.28	353.10
MEAN	356.09	355.94	---	---	355.24	354.54	353.84	353.34	352.97	353.06	353.20	353.34
MAX	356.43	356.09	---	---	355.57	354.97	354.22	353.59	353.02	353.13	353.30	353.42
MIN	355.90	355.82	---	---	354.91	354.13	353.46	353.09	352.90	352.96	353.10	353.10

WTR YR 2005 MEAN 354.10 HIGH 352.90 JUN 11 LOW 356.43 OCT 6



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331041092431401. Local number, 18S16W11AAB1

LOCATION.--Lat 33°10'41", long 92°43'14", Hydrologic Unit 08040202, near El Dorado.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 4 in, depth 520 ft.

DATUM.--Land surface 225 ft above NGVD of 1929. Measuring point: Top of casing, 0.89 ft above land surface.

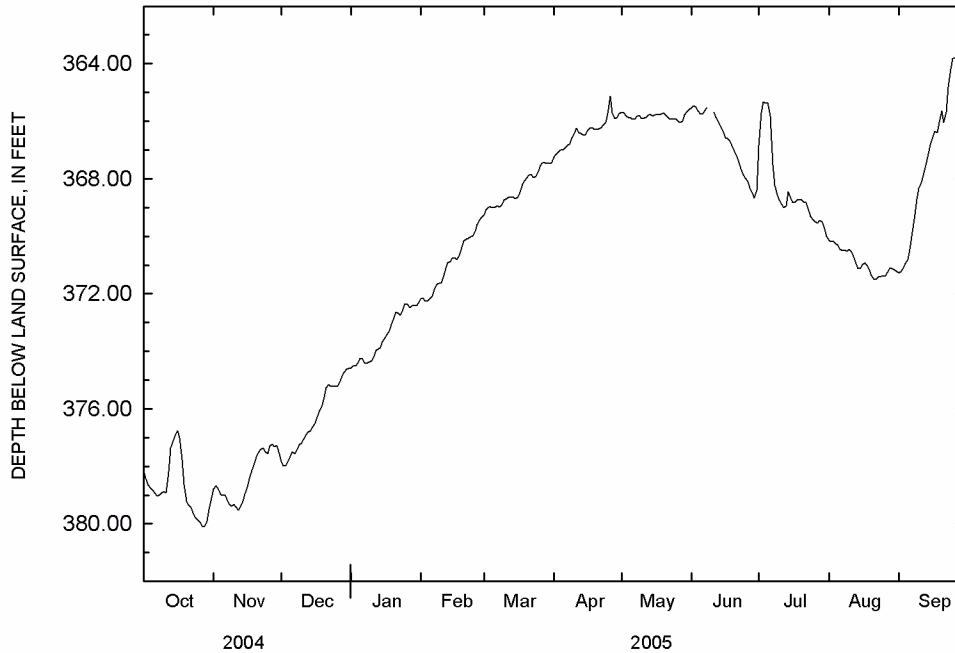
PERIOD OF RECORD.--Continuous water levels March 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 363.48 ft below land surface, Sep. 30, 2005; lowest, 400.23 ft below land surface, Sep. 7, 2000.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	378.83	379.00	377.65	374.24	372.18	369.01	367.01	365.88	365.75	365.36	370.33	370.80
10	378.88	379.31	377.21	374.33	371.64	368.74	366.43	365.91	---	368.75	370.46	368.34
15	376.94	378.97	376.62	373.66	370.77	368.69	366.47	365.83	366.34	368.67	371.11	366.83
20	379.20	377.68	375.61	372.84	370.16	367.97	366.29	365.74	367.05	368.75	371.38	365.65
25	379.86	377.56	375.20	372.35	369.83	367.78	365.74	365.91	367.99	369.44	371.39	363.82
EOM	379.09	377.49	374.60	372.30	369.35	367.47	365.74	365.59	368.40	370.00	371.20	363.48
MEAN	378.78	378.39	376.32	373.46	370.94	368.34	366.37	365.83	366.74	368.34	370.90	367.13
MAX	380.11	379.52	377.99	374.58	372.25	369.25	367.25	366.05	368.67	370.00	371.51	371.28
MIN	376.77	377.22	374.60	372.30	369.35	367.44	365.13	365.59	365.46	365.34	370.14	363.48

WTR YR 2005 MEAN 371.00 HIGH 363.48 SEP 30 LOW 380.11 OCT 28



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331104092380201. Local number, 18S15W03DAB1

LOCATION.--Lat 33°11'04", long 92°38'02", Hydrologic Unit 08040202, near El Dorado.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 806.8 ft, screened 775-795.2 ft.

DATUM.--Land surface 300 ft above NGVD of 1929. Measuring point: Top of casing, 1.5 ft above land surface.

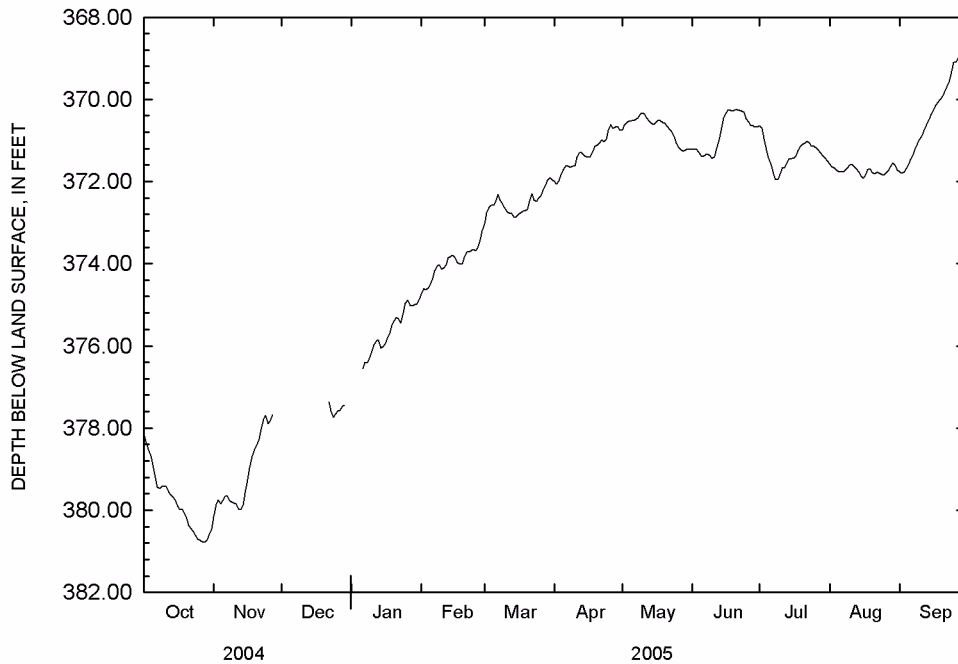
PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 368.70 ft below land surface, Sep. 30, 2005; lowest, 379.81 ft below land surface, Jan. 16, 2004.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	378.90	379.77	---	---	374.51	372.58	371.71	370.52	371.38	371.43	371.76	371.58
10	379.40	379.82	---	376.13	374.13	372.64	371.62	370.33	371.44	371.82	371.59	370.97
15	379.75	379.58	---	376.03	373.80	372.85	371.39	370.61	370.46	371.44	371.88	370.36
20	380.21	378.43	---	375.38	373.86	372.67	371.11	370.58	370.26	371.09	371.78	369.93
25	380.70	377.89	377.66	374.96	373.68	372.40	370.76	371.06	370.47	371.15	371.84	369.10
EOM	380.45	---	---	374.87	373.20	371.96	370.76	371.22	370.67	371.50	371.72	368.70
MEAN	379.82	379.13	377.55	375.62	373.99	372.53	371.30	370.71	370.80	371.34	371.72	370.34
MAX	380.78	380.15	377.74	376.55	374.75	373.03	372.07	371.27	371.44	371.95	371.92	371.80
MIN	378.15	377.68	377.36	374.87	373.20	371.90	370.61	370.33	370.25	370.65	371.54	368.70

WTR YR 2005 MEAN 373.41 HIGH 368.70 SEP 30 LOW 380.78 OCT 27



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331144092410601. Local number, 17S15W31DDA1

LOCATION.--Lat 33°11'44", long 92°41'05", Hydrologic Unit 08040202, near El Dorado.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 16 in, depth 740 ft, screened 650-730 ft.

DATUM.--Land surface 261 ft above NGVD of 1929. Measuring point: Top of casing, 0.0 ft above land surface.

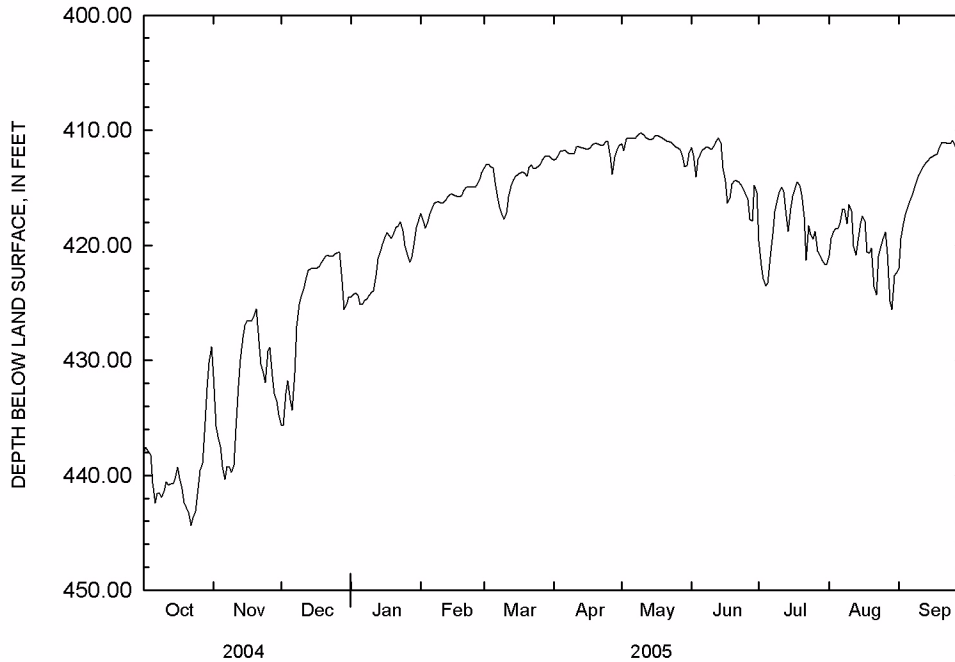
PERIOD OF RECORD.--Annual water levels April 1951 and March 1952 and continuous water levels March 2000 to current year.

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, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	440.69	439.25	433.46	425.15	417.29	413.29	411.78	410.70	412.07	423.29	418.51	416.70
10	441.36	439.11	424.47	424.11	416.32	417.73	411.98	410.27	411.65	415.38	416.47	413.88
15	440.32	427.00	422.01	419.92	415.55	414.01	411.61	410.71	413.26	416.81	418.15	412.42
20	442.86	425.53	421.13	418.92	415.26	414.03	411.19	410.79	414.41	415.57	420.26	411.08
25	441.66	429.22	420.73	420.05	414.94	413.15	410.93	411.47	415.53	419.49	419.46	410.91
EOM	428.82	434.74	424.53	417.75	413.67	412.44	411.34	412.03	415.39	421.70	422.44	410.52
MEAN	439.77	432.49	425.06	421.36	415.92	413.99	411.74	411.08	413.66	418.68	419.96	413.43
MAX	444.36	440.34	435.65	425.15	418.54	417.73	413.85	413.16	417.90	423.55	425.60	422.01
MIN	428.82	425.53	420.65	417.75	413.67	412.21	410.93	410.26	410.69	414.50	416.47	410.52

WTR YR 2005 MEAN 419.81 HIGH 410.26 MAY 9 LOW 444.36 OCT 22



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

419

UNION COUNTY--CONTINUED

331203092290801. Local number, 17S13W31BAD1

LOCATION.--Lat 33°12'04", long 92°29'07", Hydrologic Unit 08040201, near Lawson.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 771 ft.

DATUM.--Land surface 222 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual samples January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
JAN 25...	0855	80513	80020	736	22.8	87.2
JUL 05...	1645	80513	80020	747	24.7	90.6

331256092483702. Local number, 17S17W25DBA2

LOCATION.--Lat 33°12'56", long 92°48'38", Hydrologic Unit 08040206, near El Dorado.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 648 ft, screened 596-647 ft.

DATUM.--Land surface 250 ft above NGVD of 1929. Measuring point: 3.5 ft above land surface.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 324.98 ft below land surface, Jun. 02, 1998; lowest, 361.49 ft below land surface, Oct. 01, 2003.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

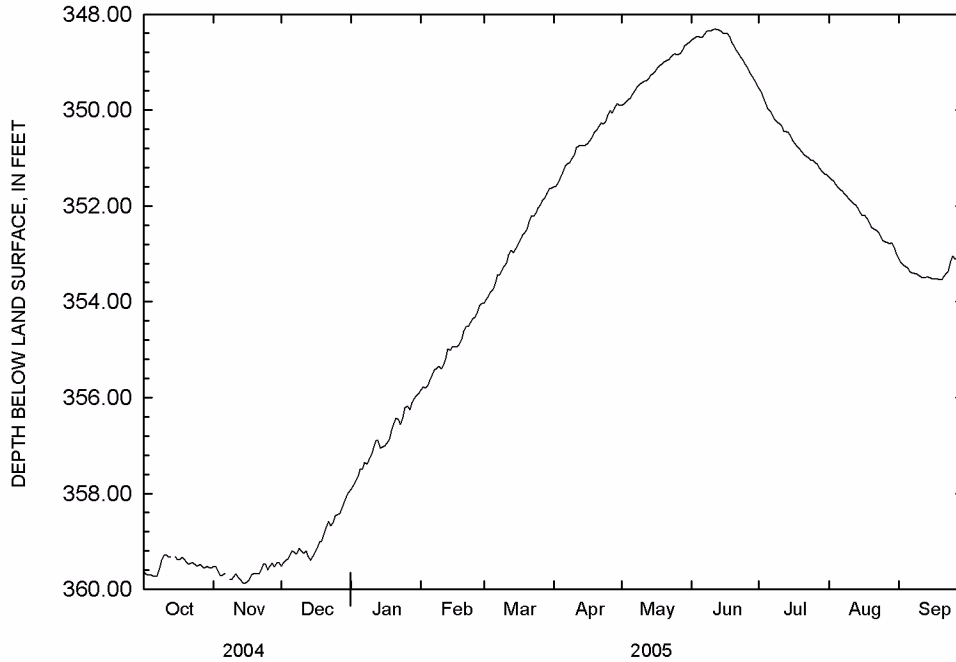
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	359.71	359.70	359.27	357.49	355.64	353.74	351.29	349.74	348.49	349.97	351.62	353.30
10	359.29	359.73	359.20	357.19	355.40	353.26	350.94	349.43	348.34	350.28	351.86	353.44
15	359.32	359.87	359.31	357.03	354.94	352.90	350.73	349.23	348.40	350.55	352.15	353.50
20	359.43	359.68	358.83	356.54	354.61	352.49	350.41	348.99	348.68	350.87	352.44	353.54
25	359.51	359.60	358.47	356.22	354.32	352.05	350.10	348.84	349.05	351.06	352.73	353.04
EOM	359.55	359.44	357.98	355.90	354.03	351.63	349.91	348.59	349.46	351.35	352.99	352.97
MEAN	359.49	359.65	358.94	356.87	355.00	352.79	350.68	349.21	348.66	350.58	352.18	353.33
MAX	359.73	359.87	359.51	357.91	355.84	354.04	351.60	349.91	349.46	351.35	352.99	353.54
MIN	359.28	359.44	357.98	355.90	354.03	351.63	349.86	348.59	348.31	349.54	351.40	352.97

WTR YR 2005 MEAN 353.92 HIGH 348.31 JUN 11 LOW 359.87 NOV 15

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331256092483702. Local number, 17S17W25DBA2--CONTINUED



331346092391101. Local number, 17S15W28DBA1

LOCATION.--Lat 33°12'46", long 92°39'10", Hydrologic Unit 08040201, near El Dorado.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 16 in, depth 668 ft, screened 588-688 ft.

DATUM.--Land surface 230 ft above NGVD of 1929. Measuring point: Top of casing, 0.0 ft above land surface.

PERIOD OF RECORD.--Annual water levels July 1943, January, 1944, 1943, 1994, 1982, 1990, 1993, and 1999. Continuous water levels March 2000 to current year.

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, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

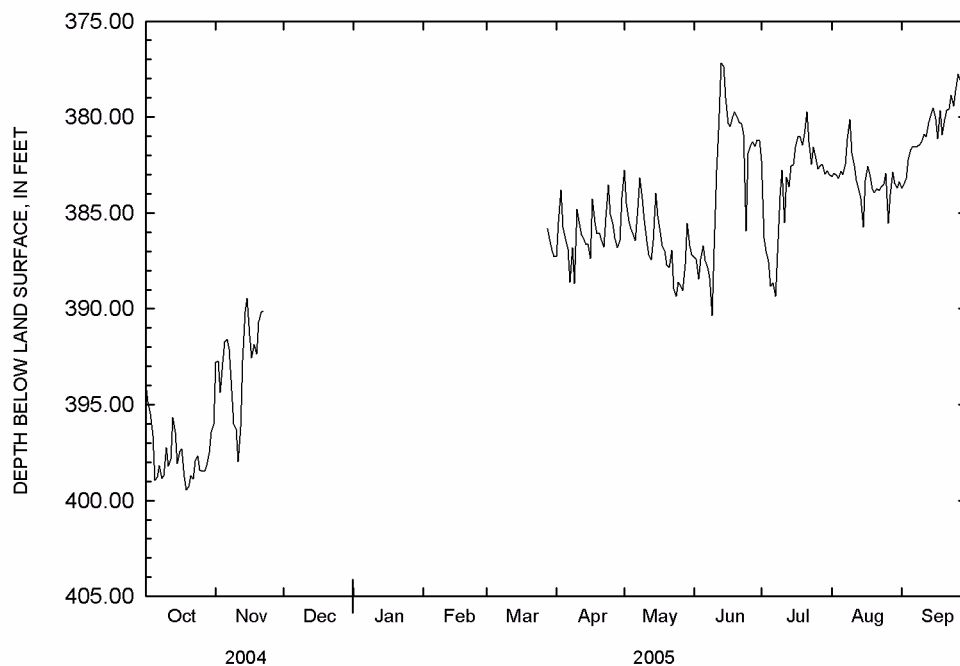
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	398.95	391.72	---	---	---	---	386.33	386.15	386.70	388.81	382.82	381.69
10	397.25	396.27	---	---	---	---	384.81	385.37	386.88	382.78	381.88	381.31
15	398.07	389.47	---	---	---	---	386.62	383.96	379.00	382.47	385.74	379.53
20	399.28	390.68	---	---	---	---	386.04	387.71	380.00	380.89	383.95	380.14
25	398.40	---	---	---	---	---	385.08	388.63	381.91	382.18	382.93	378.64
EOM	396.05	---	---	---	---	387.29	384.20	387.19	381.23	382.99	383.38	378.11
MEAN	397.64	392.74	---	---	---	386.61	386.04	386.43	383.06	383.58	383.25	380.40
MAX	399.44	397.98	---	---	---	387.29	388.67	389.34	390.34	389.35	385.74	383.71
MIN	393.93	389.47	---	---	---	385.82	383.55	382.77	377.19	379.73	380.13	377.76

WTR YR 2005 MEAN 386.46 HIGH 377.19 JUN 13 LOW 399.44 OCT 19

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331346092391101. Local number, 17S15W28DBA1--CONTINUED



331351092572701. Local number, 17S17W30DCD1

LOCATION.--Lat 33°12'57", long 92°53'56", Hydrologic Unit 08040201, near Marysville.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Public supply well, diameter 6 in, depth 690 ft, screened 660-690 ft.

DATUM.--Land surface 280 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual samples January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Chlor-ide, water, fltrd, mg/L (00940)
JAN 24...	1200	80513	80020	335	22.4	10.0
JUL 05...	1530	80513	80020	338	26.2	10.1

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331354092322401. Local number, 17S14W22BAB1

LOCATION.--Lat 33°13'54", long 92°32'24", Hydrologic Unit 08040201, at Old Union.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 3 in, depth 607.2 ft, screened 575.2-595.7 ft.

DATUM.--Land surface 201 ft above NGVD of 1929. Measuring point: Top of casing, 2 ft above land surface.

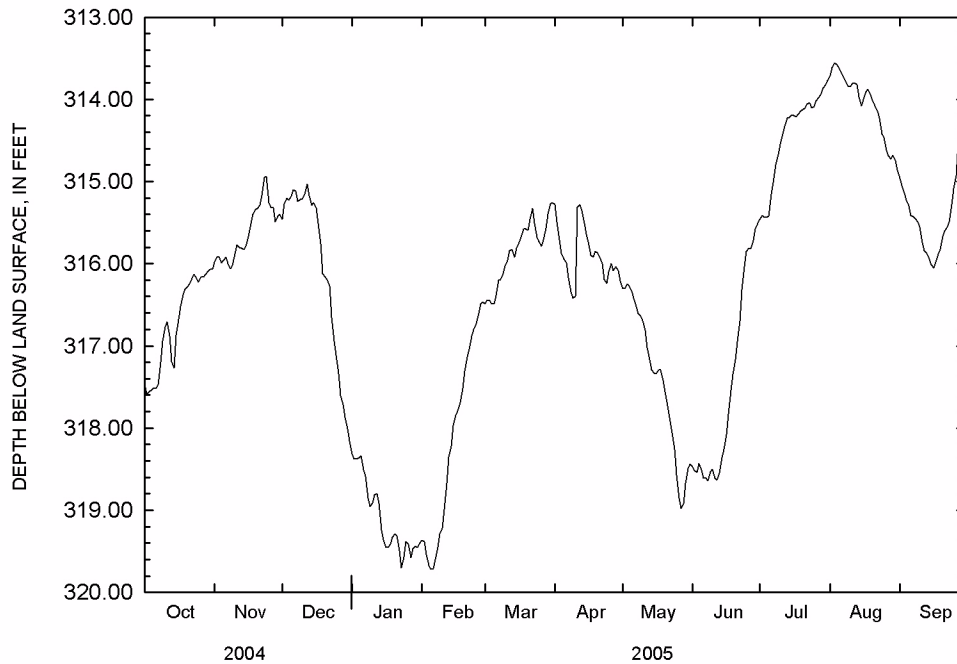
PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 313.56 ft below land surface, Aug. 3, 2005; lowest, 319.72 ft below land surface, Feb. 5, 2005.

DEPTH BELOW LAND SURFACE, IN FEET , WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	317.51	315.96	315.18	318.34	319.72	316.49	315.94	316.33	318.51	315.42	313.62	315.30
10	316.77	315.88	315.21	318.91	319.22	316.03	316.40	316.69	318.50	314.55	313.85	315.55
15	316.87	315.79	315.26	319.36	317.97	315.81	315.64	317.33	318.26	314.19	314.08	316.01
20	316.28	315.33	316.16	319.29	317.31	315.59	315.87	317.56	317.17	314.13	314.01	315.67
25	316.22	315.26	317.11	319.38	316.73	315.73	316.10	318.57	315.85	314.09	314.46	315.09
EOM	316.07	315.40	318.16	319.40	316.47	315.26	316.21	318.44	315.51	313.77	314.86	314.31
MEAN	316.72	315.62	316.03	319.09	318.20	315.86	315.90	317.41	317.53	314.43	314.06	315.37
MAX	317.59	316.06	318.16	319.70	319.72	316.49	316.42	318.98	318.64	315.46	314.86	316.05
MIN	316.07	314.94	315.03	318.31	316.47	315.26	315.28	316.25	315.51	313.77	313.56	314.26

WTR YR 2005 MEAN 316.34 HIGH 313.56 AUG 3 LOW 319.72 FEB 5



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

423

UNION COUNTY--CONTINUED

331358092424301. Local number, 17S16W24BDB1

LOCATION.--Lat 33°13'57", long 92°42'48", Hydrologic Unit 08040201, near El Dorado.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 615 ft, screened 493-615 ft.

DATUM.--Land surface 205 ft above NGVD of 1929.

PERIOD OF RECORD.--August 1989, July 1999, January 2002, Semiannual samples January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JUL 05...	1750	80513	80020	453	23.4	23.5

331438092411901. Local number, 17S15W18DBB1

LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, at El Dorado.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.

DATUM.--Land surface, 182.93 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land surface.

PERIOD OF RECORD.--Annual water levels October 1942, July 1943, January 1947, January 1950, April 1964 to April 1969, monthly water levels October 1969 to September 1975, October 1990 to September 1992, February 1993 to July 2003, and continuous water levels October 1954 to September 1963, October 1975 to September 1990, October 1992 to January 1993, and July 2003 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.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

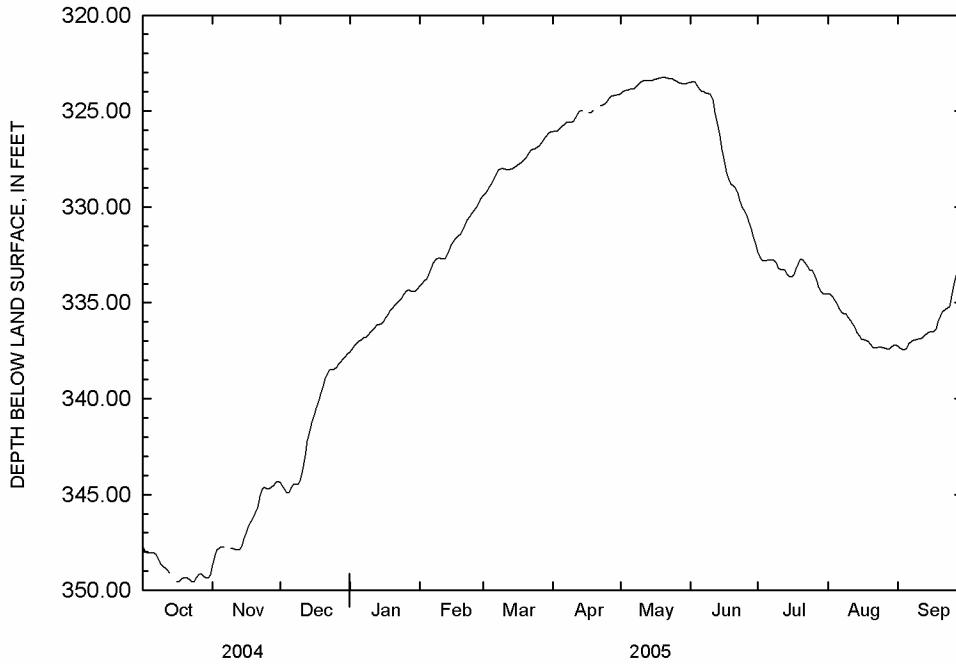
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	348.06	347.73	344.89	337.00	333.50	328.74	325.81	323.87	323.87	332.79	335.07	337.36
10	348.76	347.82	344.27	336.54	332.69	328.01	325.54	323.49	324.14	333.17	335.75	336.90
15	---	347.32	341.26	336.09	331.98	327.94	---	323.43	327.00	333.65	336.74	336.54
20	349.33	345.95	339.35	335.25	331.22	327.44	---	323.26	328.90	332.73	337.16	335.64
25	349.32	344.70	338.47	334.56	330.19	326.90	324.53	323.39	330.19	333.33	337.34	334.67
EOM	349.18	344.30	337.67	334.25	329.56	326.11	324.15	323.54	331.96	334.57	337.20	333.50
MEAN	348.91	346.49	341.27	335.79	331.97	327.69	325.12	323.54	327.10	333.27	336.41	336.01
MAX	349.56	348.69	344.91	337.56	334.11	329.41	326.06	324.11	331.96	334.57	337.42	337.46
MIN	347.67	344.30	337.67	334.25	329.56	326.11	324.15	323.26	323.47	332.35	334.54	333.50

WTR YR 2005 MEAN 334.45 HIGH 323.26 MAY 19 LOW 349.56 OCT 17

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

331438092411901. Local number, 17S15W18DBB1--CONTINUED



332113092421001. Local number, 16S16W01DDD1

LOCATION.--Lat 33°21'14", long 92°42'11", Hydrologic Unit 08040201, near Smackover.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Diameter 12 in, depth 470 ft, screened 430-470 ft.

DATUM.--Land surface 112 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col-lecting sample, code (00027)	Agency ana-lyzing sample, code (00028)	Specif. conduc-tance, wat unf 25 degC (00095)	Temper-ature, water, deg C (00010)	Chlor-ide, water, fltrd, mg/L (00940)
JAN 24...	1125	80513	80020	450	18.5	19.6
JUL 05...	1100	80513	80020	465	22.2	20.3

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

UNION COUNTY--CONTINUED

332205092433001. Local number, 16S16W02ABC1

LOCATION.--Lat 33°22'06", long 92°43'29", Hydrologic Unit 08040201, at Smackover.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Diameter 10 in, depth 552 ft, screened 480-550 ft.

DATUM.--Land surface 116 ft above NGVD of 1929. Measuring point: 2.5 ft above land surface.

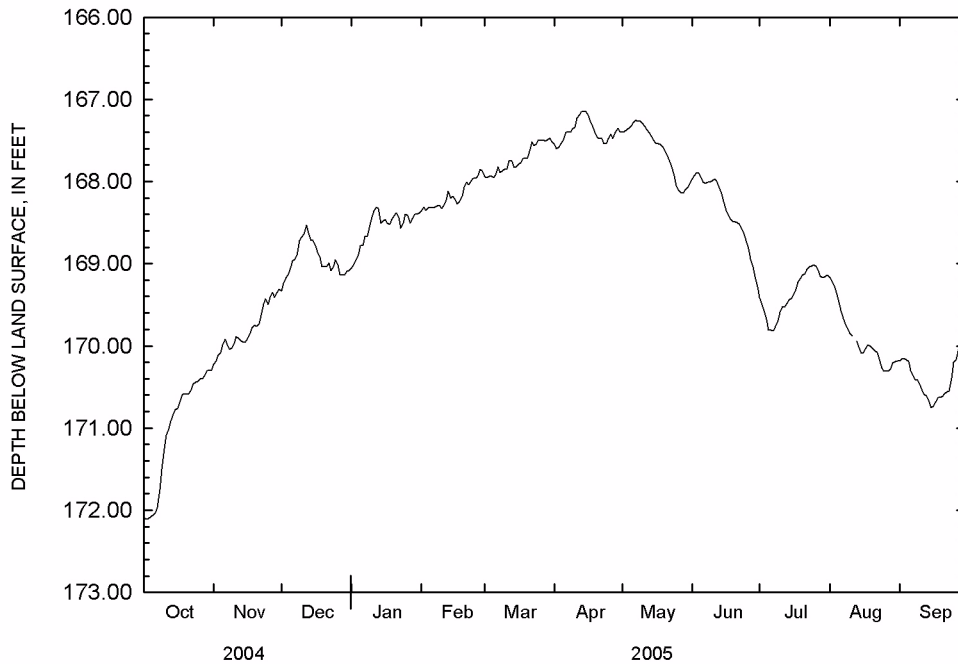
PERIOD OF RECORD.--Water levels December 1964 and March 1965, semi-annual water levels April 1967 to October 1980, annual water levels March 1981 to March 1990, periodic water levels April 1993 to June 2000, and continuous water levels June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 144.41 ft below land surface, Mar. 31, 1971; lowest, 180.92 ft below land surface, Mar. 3, 1999.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	172.06	169.99	169.05	168.78	168.31	167.95	167.49	167.32	167.95	169.81	169.47	170.19
10	171.25	169.97	168.68	168.44	168.33	167.85	167.34	167.29	167.99	169.59	169.85	170.46
15	170.78	169.96	168.72	168.48	168.18	167.82	167.15	167.50	168.24	169.42	170.09	170.75
20	170.59	169.76	169.04	168.41	168.07	167.71	167.46	167.62	168.49	169.14	170.03	170.61
25	170.43	169.50	168.95	168.40	167.96	167.49	167.48	168.05	168.72	169.01	170.31	170.20
EOM	170.29	169.31	169.08	168.38	167.87	167.52	167.39	168.03	169.28	169.14	170.18	169.85
MEAN	171.01	169.79	168.96	168.55	168.17	167.72	167.39	167.61	168.35	169.36	169.92	170.38
MAX	172.11	170.22	169.33	169.05	168.36	167.95	167.60	168.14	169.28	169.82	170.31	170.75
MIN	170.29	169.31	168.53	168.31	167.85	167.47	167.15	167.25	167.89	169.01	169.17	169.85

WTR YR 2005 MEAN 168.94 HIGH 167.15 APR 13 LOW 172.11 OCT 2



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

CLAIBORNE PARISH, LOUISIANA

325103092434901. Local number, CL-150

LOCATION.--Lat 32°51'04", long 92°43'47", Hydrologic Unit 08040206, near D'Arbonne, Louisiana.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 750 ft.

DATUM.--Land surface 200 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
JAN 25...	1240	80513	80020	594	22.5	44.8
JUL 06...	0915	80513	80020	549	23.0	46.1

330002092445901. Local number, CL-149

LOCATION.--Lat 33°00'03", long 92°45'00", Hydrologic Unit 08040206, near Junction City, Louisiana.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Depth 736 ft

DATUM.--Land surface 230 ft above NGVD of 1929.

PERIOD OF RECORD.--June 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 264.01 ft below land surface, Feb. 21, 1980; lowest, 298.5 ft below land surface, Oct. 04, 1999.

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	293.73	293.14	292.85	293.07	292.78	292.49	291.83	291.58	291.13	291.54	291.69	291.82
10	293.14	---	292.76	293.03	292.75	292.34	291.80	291.44	291.05	291.24	291.59	291.89
15	293.11	293.29	293.10	293.11	292.58	292.16	291.79	291.52	291.22	291.15	291.71	291.88
20	293.14	293.06	292.99	292.92	292.55	292.07	291.73	291.62	291.24	291.20	291.82	292.02
25	293.17	293.03	293.13	292.87	292.55	291.97	291.67	291.67	291.39	291.36	291.87	291.54
EOM	293.19	292.98	293.24	292.88	292.42	291.88	291.49	291.14	291.53	291.44	291.64	291.57
MEAN	293.31	293.09	293.02	293.03	292.64	292.16	291.75	291.53	291.22	291.31	291.68	291.82
MAX	293.75	293.29	293.39	293.25	292.87	292.51	291.96	291.71	291.53	291.54	291.87	292.02
MIN	293.08	292.85	292.67	292.85	292.40	291.85	291.49	291.14	291.01	291.14	291.48	291.54

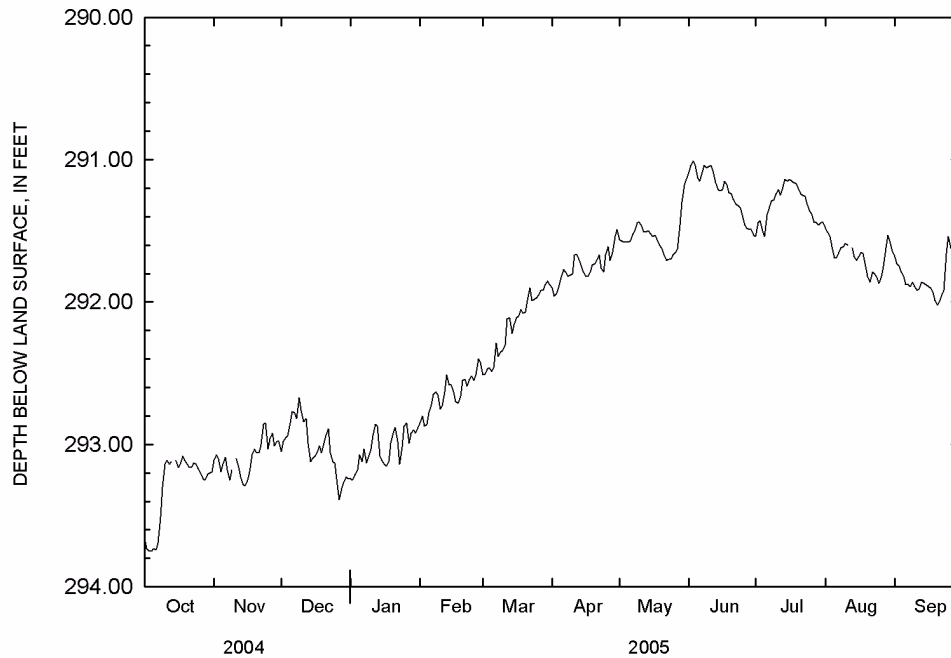
WTR YR 2005 MEAN 292.21 HIGH 291.01 JUN 3 LOW 293.75 OCT 3

GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

427

CLAIBORNE PARISH, LOUISIANA--CONTINUED

330002092445901. Local number, CL-149--CONTINUED



UNION PARISH, LOUISIANA

324417092090001. Local number, UN-26

LOCATION.--Lat 32°44'15", long 92°09'02", Hydrologic Unit 08040202, near Spencer, Louisiana.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Depth 745 ft

DATUM.--Land surface 133.92 ft above NGVD of 1929. Measuring point: 2-in hole on south side, 1.38 ft above land surface.

PERIOD OF RECORD.--Weekly water levels January 1956 to October 1968, monthly to semiannually water levels March 1969 to December 1979, quarterly water levels July 2003 to August 2004, and continuous water levels August 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 145.76 ft below land surface, May 20, 1957; lowest, 197.10 ft below land surface, Jul. 8, 2003.

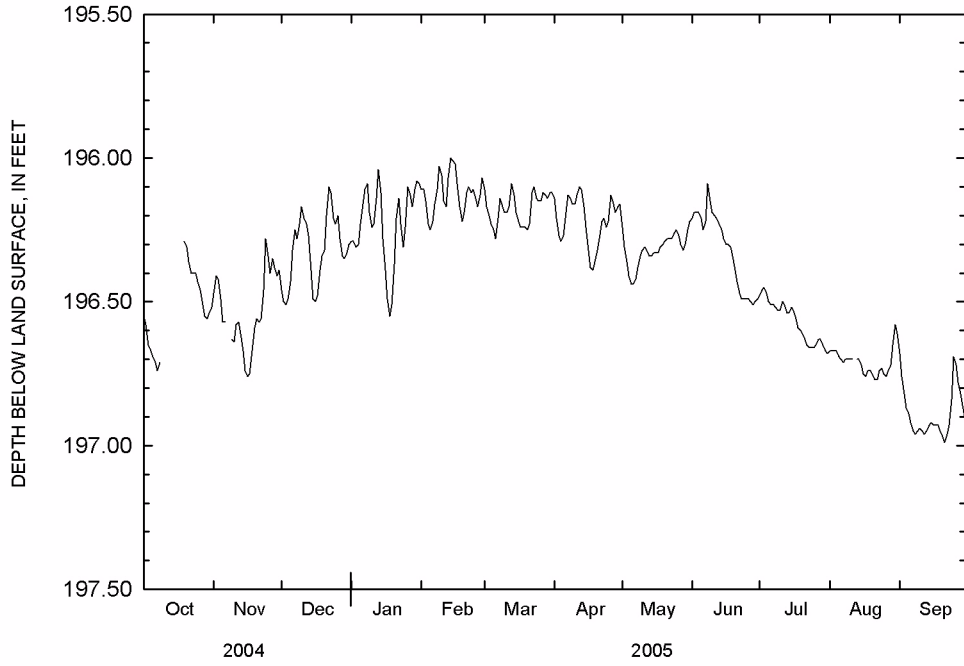
**GROUND-WATER LEVELS AND QUALITY OF GROUND WATER
UNION PARISH, LOUISIANA--CONTINUED**

324417092090001. Local number, UN-26--CONTINUED

DEPTH BELOW LAND SURFACE, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	196.69	196.57	196.43	196.23	196.25	196.25	196.27	196.44	196.21	196.50	196.69	196.89
10	---	196.64	196.17	196.24	196.06	196.19	196.16	196.32	196.19	196.53	196.70	196.94
15	---	196.74	196.49	196.28	196.01	196.19	196.24	196.33	196.28	196.52	196.72	196.92
20	196.31	196.56	196.32	196.37	196.19	196.25	196.32	196.29	196.39	196.61	196.75	196.97
25	196.43	196.34	196.23	196.24	196.14	196.15	196.22	196.25	196.49	196.66	196.75	196.69
EOM	196.52	196.39	196.30	196.09	196.07	196.12	196.16	196.22	196.49	196.68	196.61	196.91
MEAN	196.53	196.53	196.32	196.23	196.12	196.18	196.22	196.32	196.32	196.57	196.71	196.89
MAX	196.74	196.76	196.51	196.55	196.25	196.28	196.39	196.44	196.51	196.68	196.77	196.99
MIN	196.29	196.28	196.10	196.04	196.00	196.09	196.10	196.22	196.09	196.45	196.58	196.68

WTR YR 2005 MEAN 196.41 HIGH 196.00 FEB 14 LOW 196.99 SEP 21



GROUND-WATER LEVELS AND QUALITY OF GROUND WATER

429

UNION PARISH, LOUISIANA--CONTINUED

325004092260801. Local number, UN-202

LOCATION.--Lat 32°46'16", long 92°24'16", Hydrologic Unit 08040206, near Farmerville, Louisiana.

AQUIFER.--Sparta sand of Eocene age.

WELL CHARACTERISTICS.--Public supply well, depth 800 ft.

DATUM.--Land surface 201 ft above NGVD of 1929.

PERIOD OF RECORD.--Semiannual January 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, water, fltrd, mg/L (00940)
JAN 25...	1135	80513	80020	1240	23.4	218
JUL 06...	1025	80513	80020	1290	25.0	221

PRECIPITATION

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY

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 current year.

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 USGS Arkansas Water Science Center, 401 Hardin Road, Little Rock, Arkansas 72211, (501) 228-3600.

A

Alabam, Kings River near - - - - - 373
 Alicia, Lick Pond near - - - - - -30
 Allison, South Sylamore Creek at
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 Altheimer, Arkansas River near - - - - - -31
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 near Reform - - - - - 318
 Amity, Caddo River near - - - - - 375
 Antoine River at Antoine - - - - - -32,309
 Antoine, Antoine River at - - - - - -32,309
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 Arkadelphia, Caddo River at DeGray Regulating Dam near - - - - - -32
 DeGray Lake near - - - - - -32
 Ouachita River at - - - - - -32
 Arkana, Bear Creek near - - - - - -32
 Wheeler Creek near - - - - - -32
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 Augusta, White River above - - - - - -30
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Cadron Creek near Guy - - - - -	-31,257	Days Creek south of Texarkana - - - - -	32
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J

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L

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N

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O

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Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$