R
(200)
Ga3
Arkansas
1991

Water Resources Data
Arkansas
Water Year 1991

U.S. GEOLOGICAL SURVEY
RESTON, VA.
MAY 29 1992
SR
LIBRARY

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-91-1
Prepared in cooperation with the Arkansas Department of Pollution Control and Ecology; Arkansas Game and Fish Commission; Arkansas Geological Commission; Arkansas Soil and Water Conservation Commission; Arkansas State Highway and Transportation Department; Independence County; City of Rogers; Little Rock Municipal Water Works; and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1991

1990

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

1991

JANUARY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

MARCH

S	M	T	W	T	F	S
					1	2
5	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Water Resources Data
Arkansas
Water Year 1991

by E.E. Morris, J.E. Porter, and P.W. Westerfield

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-91-1
Prepared in cooperation with the Arkansas Department of Pollution Control and Ecology; Arkansas Game and Fish Commission; Arkansas Geological Commission; Arkansas Soil and Water Conservation Commission; Arkansas State Highway and Transportation Department; Independence County; City of Rogers; Little Rock Municipal Water Works; and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Arkansas write to
District Chief, Water Resources Division
U.S. Geological Survey
2301 Federal Office Building
Little Rock, Arkansas 72201-3287

1992

PREFACE

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

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

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

Shane Barks	Frank Lambert
Elizabeth Beavers	Dwight Lasker
Troy "Bubba" Brossett	Autry Meeker
Dennis Evans	Matt Moix
Mark Farmer	Jim Monical
Jim Petersen	Chris O'Dell
Alan Hall	Tom Porter
Karl Hanson	Rocky Presley
Charles Heavener	Larry Remsing
Scott Hodge	Rodney Southard
Jan Jones	Jim Spencer
Chris King	Phil Stephens
Ron Knott	Sharon Touschner

In addition, much valuable assistance in data handling and processing was provided by the Information Management Section under the general supervision of John E. Terry.

This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of T.E. "Terry" Lamb, Assistant District Chief for Hydrologic Surveillance, and E. E. "Gene" Gann, District Chief, Arkansas.

50272-101

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-92/243	2.	3. Recipient's Accession No.

4. Title and Subtitle
Water Resources Data--Arkansas, Water Year 1991

5. Report Date
March 1992

6.

7. Author(s)
E.E. Morris, J.E. Porter, and P.W. Westerfield

8. Performing Organization Rept. No.
USGS-WDR-AR-91-1

9. Performing Organization Name and Address
U.S. Geological Survey, Water Resources Division
2301 Federal Office Building
Little Rock, Arkansas 72201

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.
(C)
(G)

12. Sponsoring Organization Name and Address
U.S. Geological Survey, Water Resources Division
2301 Federal Office Building
Little Rock, Arkansas 72201

13. Type of Report & Period Covered
Annual-Oct. 1, 1990
to Sept. 30, 1991

14.

15. Supplementary Notes

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

16. Abstract (Limit: 200 words)

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

Water resources data for the 1991 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; water quality of lakes; water levels, and water quality of observation wells. This report contains discharge records for 58 gaging stations; water-quality data for 149 regular water-quality stations, 65 partial-record water-quality stations, 25 observation wells, and 1 precipitation station; water-level measurements for 76 observation wells. Also included are data for 83 crest-stage partial-record surface-water stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with State and Federal agencies in Arkansas.

17. Document Analysis a. Descriptors

*Arkansas, *Hydrologic data, *Surface water, *Ground water, *Water quality, flow rates, Gaging stations, Lakes, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages
No restriction on distribution This report may be purchased from: National Technical Information Service Springfield, VA 22161		588
	20. Security Class (This Page)	22. Price

See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)

CONTENTS

	Page
Preface	III
List of gaging stations, in downstream order, for which records are published	VI
Introduction	1
Cooperation	1
Hydrologic conditions	2
Surface water	2
Surface-water quality	2
Ground-water levels	5
Definition of terms	5
Downstream order and station number	11
Numbering system for wells	12
Special networks and programs	12
Explanation of stage and water-discharge records	13
Collection and computation of data	13
Accuracy of field data and computed results	14
Other data available	15
Explanation of water-quality records	16
Collection and examination of data	16
Water analysis	17
Water temperature	17
Sediment	18
Explanation of ground-water level records	19
Collection of the data	19
Explanation of ground-water quality records	20
Collection of the data	20
Access to WATSTORE	20
Publications on techniques of water-resources investigations	21
Discontinued gaging stations	24
Discontinued water-quality stations	26
Hydrologic-data station records	36
Discharge at partial-record stations and miscellaneous sites	446
Crest-stage partial-record stations	446
Special study and miscellaneous sites	455
Analyses of samples collected at water-quality partial-record stations	457
Ground-water levels	539
Quality of ground water	555
Chemical-quality of precipitation	585
Index	586

ILLUSTRATIONS

Figure 1.	Graph showing comparison of discharge at two representative long-term gaging stations	3
2.	Map showing locations of continuous-gaging stations in western Arkansas	32
3.	Map showing locations of continuous-gaging stations in eastern Arkansas	33
4.	Map showing locations of water-quality stations in western Arkansas	34
5.	Map showing locations of water-quality stations in eastern Arkansas	35
6.	Map showing locations of observation wells in Arkansas	538

TABLES

TABLE 1.	Factors for conversion of chemical constituents in milligrams per liter to to milliequivalents per liter	8
2.	Degrees Celsius (°C) to degrees Fahrenheit (°F)	18
3.	Factors for conversion of sediment concentration in milligrams per liter to parts per million	19

Note.--Data for partial-record stations and miscellaneous sites for both surface-water quantity and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[Letters after station name designate type of data: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment, (e) evaluation, gage heights, or contents.]

	Page
MISSISSIPPI RIVER BASIN	
Mississippi River at Memphis, Tennessee (d,c,m,e)	36
ST. FRANCIS RIVER BASIN	
St. Francis River at Fisk, Missouri (c,s)	40
St. Francis River near Glennonville, Missouri (s)	42
Wilhelmina Cutoff near Campbell, Missouri (s)	43
St. Francis River at St. Francis, Arkansas (c,s)	44
St. Francis River near Piggott, Arkansas (s)	49
St. Francis River at Holly Island, Arkansas (s)	50
St. Francis River at Lake City, Arkansas (c,s)	51
Cockle Burr Slough Ditch near Monette, Arkansas (c,s)	53
Right Hand Chute of Little River at Rivervale, Arkansas (c,s)	54
St. Francis River at Parkin, Arkansas (d,c,m)	55
St. Francis River Floodway near Marked Tree, Arkansas (c,s)	60
Cross County Ditch near Birdeye, Arkansas (s)	62
St. Francis Bay at Riverfront, Arkansas (d,c,m,s)	63
Clark Corner Cutoff near Colt, Arkansas (s)	69
St. Francis River at Madison, Arkansas (c,s)	70
L'Anguille River near Colt, Arkansas (d,c,m,s)	73
Second Creek near Palestine, Arkansas (c)	78
L'Anguille River at Marianna, Arkansas (c)	80
WHITE RIVER BASIN	
White River:	
West Fork White River east of Fayetteville, Arkansas (c)	82
White River near Fayetteville, Arkansas (d)	84
White River near Goshen, Arkansas (c)	85
War Eagle:	
Holman Creek near Huntsville, Arkansas (c,m)	89
Beaver Lake near Eureka Springs, Arkansas (c,m)	91
White River at Beaver Dam, near Eureka Springs, Arkansas (c,m)	96
White River at Campground E near Busch, Arkansas (t)	97
Kings River:	
Osage Creek southwest of Berryville, Arkansas (c)	100
Osage Creek west of Berryville, Arkansas (c)	102
Kings River near Berryville, Arkansas (c)	104
Long Creek near Denver, Arkansas (c)	106
Table Rock Lake near Branson, Missouri (c,m)	108
White River below Table Rock Dam, near Branson, Missouri (c,m)	115
Bull Shoals Lake near Flippin, Arkansas (c,m)	116
White River at Bull Shoals Dam, near Flippin, Arkansas (c,m)	122
Crooked Creek at Harrison, Arkansas (c,m)	128
Crooked Creek near Harrison, Arkansas (c)	130
Crooked Creek at Yellville, Arkansas (d,c)	132
Buffalo River near St. Joe, Arkansas (d,c,m)	135
Big Creek:	
Hicks Creek near Mountain Home, Arkansas (c)	138
White River near Norfork, Arkansas (c)	140
Norfork Lake near Norfork, Arkansas (c,m)	142
North Fork River at Norfork Dam, near Norfork, Arkansas (c,m)	147
White River at Calico Rock, Arkansas (d,c,m)	152
South Sylamore Creek:	
North Sylamore Creek near Fifty Six, Arkansas (d,c,m)	160
White River above Lock and Dam 3 near St. James, Arkansas (c,t)	165
Sullivan Creek at Sandtown, Arkansas (d)	167
White River at Batesville, Arkansas (d)	168
White River at Lock and Dam 1 at Batesville, Arkansas (c,t)	170
White River at Oil Trough, Arkansas (c)	172
Black River near Corning, Arkansas (d)	174
Current River near Pocahontas, Arkansas (c,m)	175
Black River at Pocahontas, Arkansas (c)	177
Mammoth Spring at Mammoth Spring, Arkansas (d)	179
Spring River near Mammoth Spring, Arkansas (d)	180
Spring River near Hardy, Arkansas (c)	184
South Fork Spring River at Saddle, Arkansas (c)	185
Spring River at Ravenden, Arkansas (c)	187
Spring River at Imboden, Arkansas (d)	189
Eleven Point River near Ravenden Springs, Arkansas (d)	190
Eleven Point River near Pocahontas, Arkansas (c)	191
Black River at Black Rock, Arkansas (d,c,m)	193
Strawberry River near Poughkeepsie, Arkansas (d)	197
Strawberry River near Smithville, Arkansas (c)	198
White River at Newport, Arkansas (d,c,m)	200
Middle Fork Little Red River near Shirley, Arkansas (c)	203
South Fork Little Red River at Clinton, Arkansas (d)	205
Greers Ferry Lake near Heber Springs, Arkansas (c,m)	206
Little Red River near Heber Springs, Arkansas (c,m)	211
Little Red River near Searcy, Arkansas (d)	216
Little Red River above Searcy, Arkansas (c)	217
Little Red River below Searcy, Arkansas (c)	219
White River at Georgetown, Arkansas (d)	221
Wattensaw Bayou near Hazen, Arkansas (c)	222
White River at DeValls Bluff, Arkansas (d,c)	224
Cache River at Egypt, Arkansas (d)	227

Page

MISSISSIPPI RIVER BASIN--Continued
WHITE RIVER BASIN--Continued
Cache River at Patterson, Arkansas (c,m,s) 228
Cache River near Cotton Plant, Arkansas (d,c,s) 231
Bayou DeView near Gibson, Arkansas (c) 232
Bayou DeView at Morton, Arkansas (c) 234
White River at St. Charles, Arkansas (c) 237
Boat Gunwale Slash near Holly Grove, Arkansas (c) 239
Big Creek at Poplar Grove, Arkansas (d) 241
Prairie Cypress Creek near Cross Roads, Arkansas (c) 242
ARKANSAS RIVER BASIN
Neosho River:
Elk River:
Little Sugar:
McKisic Creek tributary near Bentonville, Arkansas (c) 244
Butler Creek near Sulphur Springs, Arkansas (c) 246
Spavinaw Creek near Cherokee City, Arkansas (c) 248
Illinois River at Savoy, Arkansas (c) 250
Clear Creek at Johnson, Arkansas (c) 252
Osage Creek near Elm Springs, Arkansas (c) 254
Illinois River near Siloam Springs, Arkansas (c) 256
Flint Creek at Springtown, Arkansas (d) 258
Flint Creek near West Siloam Springs, Oklahoma (d) 259
Baron Fork at Dutch Mills, Arkansas (d,c,m) 260
Poteau River at Waldron, Arkansas (c) 263
Poteau River northwest of Waldron, Arkansas (c) 265
Poteau River at Cauthron, Arkansas (d) 267
James Fork near Hackett, Arkansas (d,c,m) 268
Lee Creek near Van Buren, Arkansas (d) 271
Arkansas River at Van Buren, Arkansas (c) 272
Arkansas River at James W. Trimble Lock and Dam, near Van Buren, Arkansas (d,c,m) 274
Mulberry River near Mulberry, Arkansas (d) 279
Mulberry River at I-40 near Mulberry, Arkansas (c) 280
Arkansas River at Ozark Dam at Ozark, Arkansas (c) 282
Short Mountain Creek west of Paris, Arkansas (c) 284
Short Mountain Creek north of Paris, Arkansas (c) 286
Big Piney Creek near Dover, Arkansas (d) 288
Big Piney Creek at Highway 164 near Dover, Arkansas (c) 289
Illinois Bayou near Dover, Arkansas (c) 291
Arkansas River at Dardanelle, Arkansas (d,c,m) 293
Whig Creek near Dardanelle, Arkansas (c) 296
Petit Jean River near Booneville, Arkansas (c) 298
Dutch Creek at Shark, Arkansas (c) 300
Petit Jean River at Danville, Arkansas (d) 302
Chickalah Creek at Chickalah, Arkansas (c) 303
Arkansas River at Dam No. 9, near Oppelo, Arkansas (c) 305
West Fork Point Remove:
White Oak Creek near Atkins, Arkansas (c) 307
Cadron Creek near Guy, Arkansas (d) 309
Arkansas River at Toad Suck Ferry Dam, near Conway, Arkansas (c) 310
Fourche LaFave River near Gravelly, Arkansas (d,c,m) 312
South Fourche LaFave River at Hollis, Arkansas (c) 315
South Fourche LaFave River near Hollis, Arkansas (d) 317
Palarm Creek:
Stone Dam Creek near Conway, Arkansas (c) 318
Maumelle River at Williams Junction, Arkansas (d) 320
Arkansas River at Murray Dam at Little Rock, Arkansas (d,c,m) 322
Arkansas River at David D. Terry Lock and Dam, below Little Rock, Arkansas (c,m) 325
Arkansas River at Lock and Dam 5 near Wright, Arkansas (c) 329
Arkansas River at Lock and Dam 4 near Pine Bluff, Arkansas (c) 331
Bayou Meto near North Little Rock, Arkansas (c) 333
Bayou Meto near Jacksonville, Arkansas (c,m) 335
Bayou Meto near Lonoke, Arkansas (d) 337
Bayou Meto near Bayou Meto, Arkansas (c) 338
Arkansas River at Dam No. 2, near Gillett, Arkansas (c) 340
MISSISSIPPI RIVER MAIN STEM
Mississippi River near Arkansas City, Arkansas (c,m) 342
RED RIVER BASIN
Red River near Foreman, Arkansas (c) 344
Red River at Index, Arkansas (d,c,m) 346
Mountain Fork near Hatfield, Arkansas (c) 351
Little River:
Rolling Fork:
Bear Creek near Horatio, Arkansas (c) 353
Little River near Horatio, Arkansas (d,c,m) 355
Cossatot River near Vandervoort, Arkansas (d,c,m) 358
Cossatot River near Umpire, Arkansas (c) 363
Saline River near Burg, Arkansas (c) 364
Holly Creek east of Dierks, Arkansas (c) 366
Holly Creek at Dierks, Arkansas (c) 368
Saline River near Lockesburg, Arkansas (d) 370
Sulphur River south of Texarkana, Arkansas (c) 371
Days Creek southeast of Texarkana, Arkansas (c) 373
Red River near Spring Bank, Arkansas (c) 375
Bayou Dorcheat near Taylor, Arkansas (c) 377
Bodcau Creek near Lewisville, Arkansas (c) 379
Ouachita River:
Prairie Creek near Mena, Arkansas (c) 381
Ouachita River near Mount Ida, Arkansas (d,c,m) 383

Page

MISSISSIPPI RIVER BASIN--Continued
RED RIVER BASIN--Continued
Ouachita River near Malvern, Arkansas (d) 386
Ouachita River near Donaldson, Arkansas (c) 387
Caddo River near Caddo Gap, Arkansas (d) 389
South Fork Caddo River at Fancy Hill, Arkansas (c) 391
Caddo River near Amity, Arkansas (c) 393
Little Missouri River near Langley, Arkansas (c) 395
Prairie Creek at Murfreesboro, Arkansas (c) 397
Prairie Creek near Murfreesboro, Arkansas (c) 399
Antoine River at Antoine, Arkansas (d) 401
Little Missouri River near Boughton, Arkansas (c) 402
Ouachita River at Camden, Arkansas (d,c,m) 404
Ouachita River below Camden, Arkansas (c) 409
Smackover Creek near Smackover, Arkansas (d) 411
Smackover Creek north of Smackover, Arkansas (c) 412
Jug Creek near Fordyce, Arkansas (c) 414
Moro Creek near Banks, Arkansas (c) 416
Saline River west of Benton, Arkansas (c) 418
Saline River near Shaw, Arkansas (c) 420
Saline River near Sheridan, Arkansas (c) 422
Hurricane Creek near Sardis, Arkansas (c) 424
Hurricane Creek near Sheridan, Arkansas (d) 426
Big Creek near Sheridan, Arkansas (c) 428
Big Creek near Pansy, Arkansas (c) 430
Saline River near Rye, Arkansas (d) 432
Saline River near Fountain Hill, Arkansas (c) 433
Ouachita River near Crossett, Arkansas (c) 435
Bayou Bartholomew near Ladd, Arkansas (c) 436
Bayou Bartholomew at Garrett Bridge, Arkansas (d) 438
Bayou Bartholomew near McGehee, Arkansas (d) 439
Bayou De Loutre near El Dorado, Arkansas (c) 440
Bayou D'Arbonne:
Cornie Bayou near Three Creeks, Arkansas (c) 442
Black River:
Bayou Macon at Eudora, Arkansas (d) 445

WATER RESOURCES DATA FOR ARKANSAS, 1991

INTRODUCTION

Water resources data for the 1991 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; water quality of lakes; and ground-water levels and quality. This report contains daily discharge records for 58 gaging stations; water quality for 149 stations, 65 partial-record stations, and 25 ground-water observation wells; and ground-water-level data for 76 observation wells. Also included are data for 83 peak-discharge partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as low-flow and miscellaneous measurements. These data represent that part of the National Water Information System operated by the U.S. Geological Survey in cooperation with local, State, and Federal agencies in Arkansas.

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

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as U.S. Geological Survey Water Data Report AR-91-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

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

Arkansas Department of Pollution Control and Ecology, Randall Mathis, Director.
Arkansas Game and Fish Commission, Steve Wilson, Director.
Arkansas Geological Commission, Norman F. Williams, State Geologist.
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director.
Arkansas State Highway and Transportation Department, Maurice Smith, Director.
City of Rogers, Tom McAlister, Water Utilities Manager
Independence County, David Wyatt, County Judge
Little Rock Municipal Water Works, Don C. Morrow, Manager

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

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Surface Water

Streamflow was above normal for the 1991 water year. Runoff for the year at the index station on the Buffalo River near St. Joe, in northern Arkansas, was 122 percent of median for the base period 1951-80. Runoff at the index station on the Saline River near Rye, in southern Arkansas, was 178 percent of median for the base period 1951-80.

Fifteen counties in Arkansas were declared disaster areas due to flooding during the months of April and May. According to local newspapers, estimated damage to roads, bridges, culverts, and agriculture exceeded $3 million. One life was lost due to flooding. Records from the National Weather Service indicated that several southern Arkansas cities experienced one of the wettest Aprils known. The 20.19 inches of rain recorded during April at Rohwer in southeastern Arkansas was nearly four times its average rainfall of 5.46 inches for that month. The peak discharge on April 29 at the gaging station on Smackover Creek near Smackover in southern Arkansas exceeded the 40-year recurrence interval. The peak stage of 25.25 ft on May 5 on Bayou Bartholomew near McGehee in southeastern Arkansas was the second highest stage since at least 1930. All other parts of the State received from 1 to 5 inches of rain during the same time period.

Monthly and annual mean discharge for the 1991 water year, and the median for the monthly and annual mean discharges for the period 1951-80 at St. Joe and Rye are shown on figure 1.

Surface-Water Quality

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

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

Surface water in the Ozark Plateaus, which is experiencing rapid population growth, 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 farming practices. Watersheds where non-point source contamination is a major concern are the upper White River, Illinois River, and Beaver Lake.

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

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

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 1991 water year are compared to concentrations for the period of record to indicate changes in water quality.

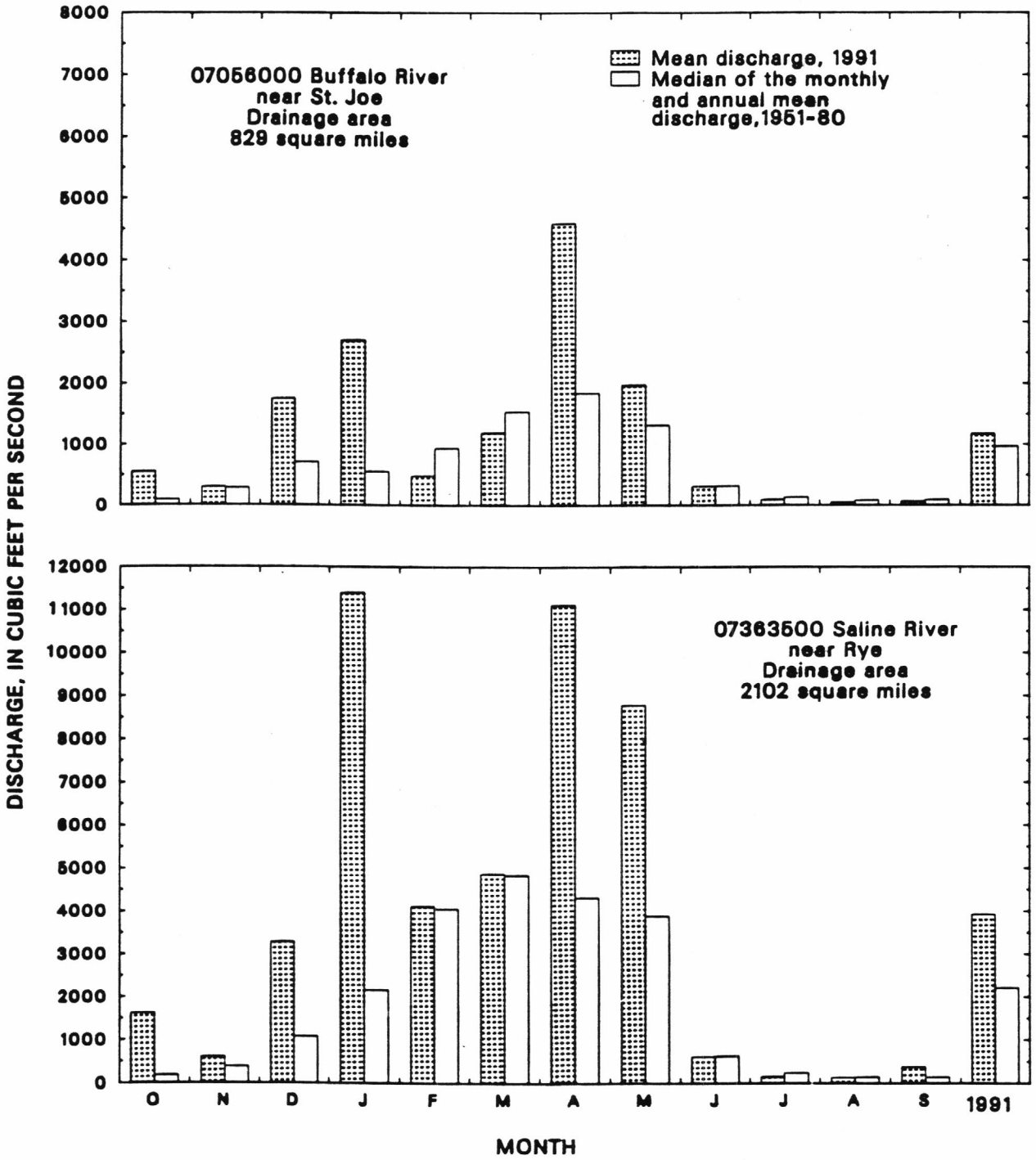


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1991 water year with the median of the monthly and annual mean discharges for a 30-year base period.

The highest dissolved-solids concentration found in the major streams in 1991 was 742 mg/L in the Red River at Index. This concentration is considered normal for this station. Dissolved-solids concentrations, in milligrams per liter, are presented for selected stream sampling sites in the following table:

	1991		Period of Record through 1990	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	146	266	136	339
St. Francis Bay at Riverfront	95	239	55	314
White River at Newport	95	173	78	388
Cache River at Patterson	--	--	41	242
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	133	320	86	2,400
Red River at Index	168	742	157	1,260
Ouachita River at Camden	43	77	30	193

The highest dissolved-chloride concentration found in the major streams in 1991 was 200 mg/L in the Red River at Index. The Ouachita River at Camden had a dissolved-chloride concentration that was below the minimum for the previous period of record. Dissolved-chloride concentrations, in milligrams per liter, are presented in the following table:

	1991		Period of Record through 1990	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	10	20	7.9	30
St. Francis Bay at Riverfront	4.9	11	.1	13
White River at Newport	2.4	6.6	.5	120
Cache River at Patterson	2.5	10	1.5	20
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	23	100	11	1,200
Red River at Index	24	200	23	410
Ouachita River at Camden	2.1	7.9	3.1	79

The highest fecal-coliform concentration found in the major streams in 1991 was 2,100 colonies per 100 mL in the White River at Newport. Fecal-coliform concentrations, in colonies per 100 milliliters, are presented in the following table:

	1991		Period of record through 1990	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	93	730	10	20,000
St. Francis Bay at Riverfront	k10	400	e8	k4,600
White River at Newport	7	2,100	k2	k3,200
Cache River at Patterson	100	970	e5	k8,200
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	16	k1,800	<1	k51,000
Red River at Index	13	280	<3	k5,000
Ouachita River at Camden	k8	110	<1	1,400

e Estimated value.
k Plate count outside ideal range.

The highest suspended-sediment concentration found in the major streams in 1991 was 446 mg/L in the Red River at Index. The White River at Newport had a suspended-sediment concentration that was less than the minimum for the previous period of record. Suspended-sediment concentrations, in milligrams per liter, are presented in the following table:

	1991		Period of record through 1990	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	76	289	24	740
St. Francis Bay at Riverfront	15	345	7	959
White River at Newport	9	86	10	252
Cache River at Patterson	45	148	11	430
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	9	388	2	644
Red River at Index	49	446	16	8,820
Ouachita River at Camden	9	24	6	639

Ground-Water Levels

Two principal aquifers, the aquifer in the Quaternary deposits, referred to as the alluvial aquifer, and the aquifers in the Sparta and Memphis Sands, referred to as the Sparta-Memphis aquifer, provide water for most of the irrigation, public and rural supplies, and industrial uses for the State. Both aquifers occur within the Mississippi embayment, which covers approximately the eastern one-third of the State. The Sparta-Memphis aquifer also occurs within the deposits of the West Gulf Coastal Plain in the south central part of the State. The alluvial aquifer provides most of the ground water used for irrigation and fish farming; whereas the Sparta-Memphis aquifer provides most of the ground water for industry and public supply.

The regional potentiometric gradient in the alluvial aquifer is toward the south and southeast from an altitude of about 290 feet above sea level in the northeastern part of the State to about 90 feet in the southeastern part. The normal gradient of the water surface is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression with a northwest to southeast axis. A second cone of depression has developed west of Crowleys Ridge in Poinsett and Cross Counties where withdrawals for irrigation also occur. Water levels in the center of both cones are more than 100 feet below land surface. The deepest water level measured in the alluvial aquifer during the spring of 1991 was 118.18 feet below land surface, which occurred in Lonoke County.

The regional potentiometric gradient in the Sparta-Memphis aquifer generally is southeastward except where affected by pumping. Three cones of depression, centered in Columbia, Union, and Jefferson Counties, have resulted from relatively large withdrawals for industrial and public supplies in those areas. Large withdrawals in the Grand Prairie for irrigation resulted in a northeasterly elongation of the cone centered under Jefferson County. At the center of these cones, the water levels vary from about 290 feet to more than 450 feet below land surface.

DEFINITION OF TERMS

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

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1.233 cubic meters.

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

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

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

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

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

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

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

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

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

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

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

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, and approximately equal to 1.98 acre-ft, 646,000 gallons, or 2,450 cubic meters.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 below. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 3, page 19.

Table 1.--Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*	0.11119	Iodide (I^{-1})	0.00788
Ammonia (as NH_4^{-1})	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})*	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Fluoride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

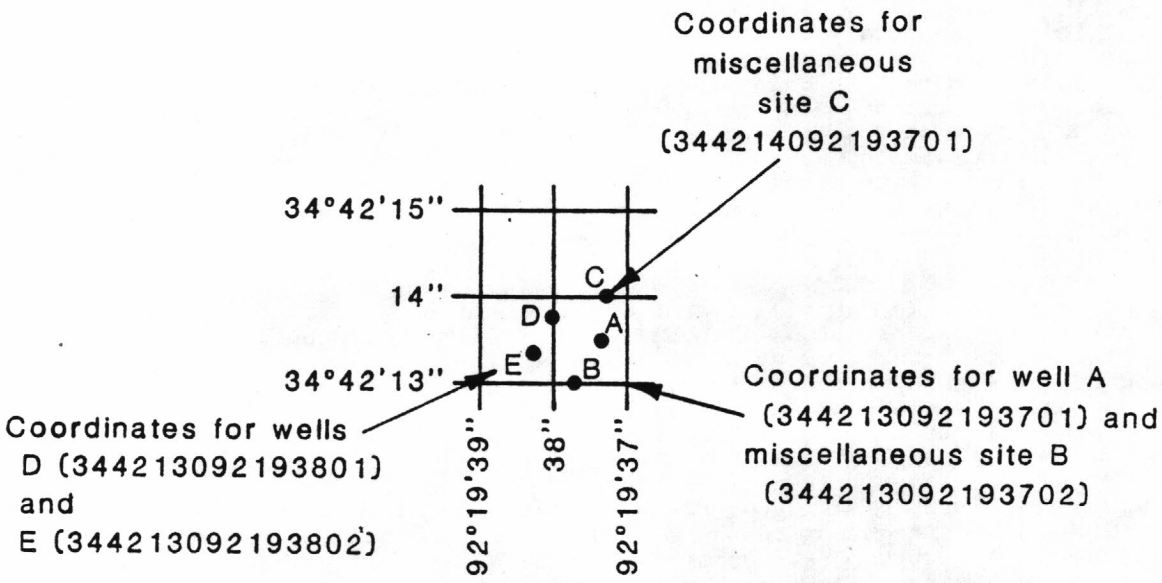
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations of first

rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated, with respect to the stream to which it is immediately tributary, is indicated by an indention in the list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These numbers are in the same downstream order as described in the paragraph above. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The downstream order number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit part number "07" plus the six-digit downstream-order number "060710." This six-digit number can be expanded to 12 digits if necessary because of station density.

NUMBERING SYSTEM FOR WELLS

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



SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National stream-quality accounting network (NASQAN) is a data-collection network designed by the Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been (identified by eight-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary

objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

National trends network is a long-term monitoring network of the chemistry of wet deposition. Approximately 150 sites representing broad regional characteristics comprise the network.

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

Daily discharge records were computed and included in this report for 58 stations in Arkansas in 1991. The locations of these stations are shown in figures 2 and 3, pages 32 and 33.

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either a continuous reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or stores the data in some form at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

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

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis

of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

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

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

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

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

Accuracy of Field Data and Computed Results

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

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

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

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

Other Data Available

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

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

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

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

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

Previously published streamflow records of some stations have been found to be in error from data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. To make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)," that only the instantaneous minimum was revised; and "(P)," that only the peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. For all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to

datum of gage, the phrase "mean sea level" denotes "National Geodetic Vertical Datum of 1929" as used by the National Mapping Division of the Geological Survey unless otherwise qualified.

Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow of the gaging station is given under "REMARKS."

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The water-quality records are given immediately after the water-discharge records for these stations. One hundred and forty-nine stations are included for 1991. The location of these stations are shown in figures 4 and 5, pages 34 and 35.

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

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

300	National Atmospheric Deposition Program/National Trends Network
810	Corps of Engineers, U.S. Army
9827	Arkansas Department of Pollution Control and Ecology
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80020	National Water-Quality Laboratory, WRD, USGS
17003	Illinois State Water Survey
81213	District Water-Quality Laboratory, Ocala, Florida
80501	Ouachita Baptist University, Arkadelphia, Arkansas

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

REVISIONS--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. In March 1990 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1990. Sulfate values in this report have not been corrected for this bias. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on pages 21 through 23.

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

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

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

Water Temperature

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

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

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

[Temperature reported to nearest 0.5°C]

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

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

Sediment

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

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

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

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

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

[All values calculated to three significant figures]

Range of concen-tration, in 1,000 mg/L	Di-vide by	Range of concen-tration, in 1,000 mg/L	Di-vide by	Range of concen-tration in 1,000 mg/L	Di-vide by	Range of concen-tration, in 1,000 mg/L	Di-vide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-623	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

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

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

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

Data are included for 101 wells in Arkansas (fig. 6, page 538). Six of the wells are equipped with automatic digital recorders and the rest are measured manually one or more times each year. The wells selected are located so as to provide areal coverage of data-collection points for the most productive aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See diagram on page 12.

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

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based. Land-surface datum is the elevation of the land surface, with respect to National Geodetic Vertical Datum, at each well. If known, the elevation of the land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

EXPLANATION OF GROUND-WATER QUALITY RECORDS

Collection of the data

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

In an attempt to detect long-term changes in ground-water quality, a network of 25 monitoring wells has been established. The monitoring wells were selected to use for sampling ground water from all major aquifers. Two or more wells are sampled from large aquifers such as those in the Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that five or six wells are usually sampled each year. In 1991, five wells in the network were sampled. Chemical analyses for these wells are located in the "Quality of Ground Water" section immediately following the ground-water-level records.

ACCESS TO WATSTORE DATA

The National WATer STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. *Water temperature--influential factors, field measurement, and data presentation,* by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents,* by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

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

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

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

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

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

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

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

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

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

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

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

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

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

3-AI0. *Discharge ratings at gaging stations,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

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

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

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

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

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

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

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

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

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

3-B1. *quifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS-- TWRI Book 3, Chapter B2. 1976. 172 pages.

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

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

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

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

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for the determination of organic substances in water and fluvial sediments,* edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.

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

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

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

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

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

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

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

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

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

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

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

DISCONTINUED GAGING STATIONS

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

Station Number	Station name	Drainage area (mi^2)	Period of record
	St. Francis River Basin		
07047000	St. Francis River floodway near Marked Tree (Dam), Arkansas	4,644	1934-65
07047500	St. Francis River at Marked Tree, Arkansas	5,148	1934-73
07047810	St. Francis River floodway near Marked Tree, Arkansas	4,651	1965-70
	White River Basin		
07048000	West Fork White River at Greenland, Arkansas	83.1	1945-83
07048500	West Fork White River near Fayetteville, Arkansas	118	1937-45
*07049000	War Eagle Creek near Hindsville, Arkansas	263	1952-79
07049500	White River near Rogers, Arkansas	1,020	1952-63
07050500	Kings River near Berryville, Arkansas	527	1939-75
*07055000	White River near Flippin, Arkansas	6,081	1928-80
07057000	Buffalo River near Rush, Arkansas	1,096	1928-70
07057250	White River at Shipps Ferry, Arkansas	8,007	1963-64
07068890	Fourche River above Pocahontas	229	1964-70
*07069000	Black River at Pocahontas, Arkansas	4,845	1936-70
07073000	Strawberry River near Evening Shade, Arkansas	217	1939-79
*07073500	Piney Fork at Evening Shade, Arkansas	99.2	1939-84
*07075000	Middle Fork of Little Red River at Shirley, Arkansas	302	1939-84
*07076000	Little Red River near Heber Springs, Arkansas	1,153	1927-80
07076850	Cypress Bayou near Beebe, Arkansas	166	1961-76
07077930	Big Creek near Moro, Arkansas	77.4	1961-70
07078000	LaGrue Bayou near Stuttgart, Arkansas	176	1935-54
	Arkansas River Basin		
07194760	Illinois River near Viney Grove, Arkansas	80.7	1986
07194800	Illinois River at Savoy, Arkansas	167	1980-81, 1986
07195000	Osage Creek near Elm Springs, Arkansas	130	1950-75
07195400	Illinois River near Siloam Springs, Arkansas	509	1980-81, 1986
*07249500	Cove Creek near Lee Creek, Arkansas	35.3	1950-70
*07251000	Frog Bayou near Mountainburg, Arkansas	74.2	1936-61
*07251500	Frog Bayou at Rudy, Arkansas	216	1950-70
07252500	Sixmile Creek Subwatershed No. 6 near Chismville, Arkansas	4.23	1960-70
07253000	Sixmile Creek at Chismville, Arkansas	24.1	1954-70
07253500	Sixmile Creek near Branch, Arkansas	36.7	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville, Arkansas	2.76	1960-70

* Converted to a partial-record station.

DISCONTINUED GAGING STATIONS--CONTINUED

Station Number	Station name	Drainage area (mi^2)	Period of record
	Arkansas River Basin--Continued		
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville, Arkansas	5.81	1960-70
07255000	Sixmile Creek at Caulksville, Arkansas	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch, Arkansas	4.49	1960-70
07255500	Hurricane Creek near Branch, Arkansas	17.2	1954-70
07256000	Hurricane Creek near Caulksville, Arkansas	53	1954-70
*07256500	Spadra Creek at Clarksville, Arkansas	61.1	1952-70
07257500	Illinois Bayou near Scottsville, Arkansas	241	1948-70
*07258500	Petit Jean River near Booneville, Arkansas	241	1938-84
*07259500	Petit Jean River near Waveland, Arkansas	516	1939-80
*07260000	Dutch Creek at Waltreak, Arkansas	81.4	1945-75
*07262500	Fourche LaFave River near Nimrod, Arkansas	684	1936-80
07264500	Bayou Meto near Stuttgart, Arkansas	574	1935-54
07265000	Crooked Creek near Humphrey, Arkansas	79.2	1940-54
	Red River Basin		
*07339500	Rolling Fork near DeQueen, Arkansas	182	1948-80
*07340500	Cossatot River near DeQueen, Arkansas	360	1938-80
*07341000	Saline River near Dierks, Arkansas	121	1938-80
07349430	Bodcau Creek at Stamps, Arkansas	234	1958-70
07356500	South Fork Ouachita River at Mount Ida, Arkansas	64	1949-70
07358000	Ouachita River near Hot Springs, Arkansas	1,405	1922-30
07359700	Caddo River at Glenwood, Arkansas	201	1988
07361000	Little Missouri River near Murfreesboro, Arkansas	380	1928-31, 1937-77
*07362500	Moro Creek near Fordyce, Arkansas	240	1951-83
*07363000	Saline River at Benton, Arkansas	550	1950-79
*07363200	Saline River near Sheridan, Arkansas	1,123	1970-81
07364000	Saline River near Warren, Arkansas	2,476	1928-31, 1937-40
07365800	Cornie Bayou near Three Creeks, Arkansas	180	1956-87
07365900	Three Creeks near Three Creeks, Arkansas	50.3	1956-71

* Converted to a partial-record station.

DISCONTINUED WATER-QUALITY STATIONS

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

MISSISSIPPI RIVER MAIN STEM

Station number	Station name	Type of record	Period of record
07024181	Mississippi River at Huffman, Arkansas	Chem.	1974-83
07029150	Mississippi River at Barfield, Arkansas	Chem.	1974-83
07032010	Mississippi River at West Memphis, Arkansas	Chem.	1969-70
07047970	Mississippi River at Helena, Arkansas	Chem.	1972-74
07265455	Mississippi River near Greenville, Mississippi	Chem.	1973-74
	ST. FRANCIS RIVER BASIN		
07040350	Big Slough Ditch near Paragould, Arkansas	Chem., Sed.	1978-84
07040424	Locust Creek Dtich near Paragould, Arkansas	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould, Arkansas	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester, Arkansas	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester, Arkansas	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak, Arkansas	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manila, Arkansas	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbro, Arkansas	Chem.	1972-74
07047400	Pemiscot Bayou near Dell, Arkansas	Chem.	1974-83
07047500	St. Francis River at Marked Tree, Arkansas	Chem.	1946, 1950-55, 1966-73
07047560	Tyronza River near Dyess, Arkansas	Chem.	1977
07047570	Tyronza Bayou near Dyess, Arkansas	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford, Arkansas	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto, Arkansas	Chem.	1977
07047590	Tyronza River near Spear Lake, Arkansas	Chem.	1977
07047700	Tyronza River near Twist, Arkansas	Chem.	1974-88
07047882	Straight Slough near Birdeye, Arkansas	Chem., Sed.	1977-84
07047936	L'Anguille River near Cherry Valley, Arkansas	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine, Arkansas	Chem., Sed.	1978-79, 1981-84
07047968	St. Francis River North of Helena, Arkansas	Chem.	1972-83
	WHITE RIVER BASIN		
07048000	West Fork White River at Greenland, Arkansas	Chem.	1946-54, 1956-57, 1959,1963, 1976-79
07048600	White River near Fayetteville, Arkansas	Chem.	1958, 1976-81
07049000	War Eagle Creek near Hindsville, Arkansas	Chem.	1950-53
07049695	White River above Busch, Arkansas	Chem., Temp.	1969, 1972-82

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
07050000	White River at Beaver, Arkansas	Chem.	1945-46, 1948-53, 1974-83
07055000	White River near Flippin, Arkansas	Chem.	1945-50, 1953,1979
07055500	White River at Cotter, Arkansas	Chem.	1947-59, 1966-82
07055550	Crooked Creek Tributary near Dog Patch, Arkansas	Chem.	1947-59, 1966-82
07055600	Crooked Creek at Pyatt, Arkansas	Chem.	1963,1964, 1974-78
07055630	White River at Buffalo City, Arkansas	Temp.	1963-64
07055700	Little Buffalo River at Jasper, Arkansas	Temp.	1963-70
07056520	Bear Creek West of Marshall, Arkansas	Chem.	1983-86
07057000	Buffalo River near Rush, Arkansas	Chem.	1946-54, 1958-59, 1961,1963
07057246	White River near Lone Rock, Arkansas	Temp.	1979-82
07057250	White River at Shipps Ferry, Arkansas	Temp.	1963-64
07060010	North Fork River at Norfork, Arkansas	Chem., Temp.	1974-83
07060660	White River at Sylamore, Arkansas	Temp.	1967-82
07061000	White River at Batesville, Arkansas	Chem.	1983-86
07061094	White River near Salado, Arkansas	Chem.	1983-86
07064000	Black River near Corning, Arkansas	Chem.	1945-61, 1963, 1966-67, 1972-83
07068600	Little Black River at Success. Arkansas	Chem., Temp.	1965, 1980-86
07068867	Fourche River near Middlebrook, Arkansas	Chem.	1969-75
07069266	Spring River near Hardy, Arkansas	Chem.	1974-83
07069268	South Fork of Spring River near Moko, Arkansas	Chem.	1972-74
07069500	Spring River at Imboden, Arkansas	Chem.	1945-63, 1966-72, 1976-79
07072000	Eleven Point River near Ravenden Springs, Arkansas	Chem.	1945-60, 1963,1966, 1972-79
07073000	Strawberry River near Evening Shade, Arkansas	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade, Arkansas	Chem.	1959,1979
07074000	Strawberry River near Poughkeepsie, Arkansas	Chem.	1949-60, 1971,1972, 1979
07074490	Black River at Jacksonport, Arkansas	Chem.	1964, 1974-83
07074491	White River at Jacksonport, Arkansas	Chem.	1983-86

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	WHITE RIVER BASIN--CONTINUED		
07074595	Village Creek near Walnut Ridge, Arkansas	Chem.	1973-74, 1976-77
07074645	Lick Pond near Alicia, Arkansas	Chem.	1976-77
07074660	Village Creek near Swifton, Arkansas	Chem.	1973-74, 1976-77
07074665	Maple Ditch near Swifton, Arkansas	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman, Arkansas	Chem.	1976-77
07074700	Village Creek near Newport, Arkansas	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta, Arkansas	Temp.	1967-71
07074850	White River near Augusta, Arkansas	Chem.	1954,1979
07075000	Middle Fork of Little Red River at Shirley, Arkansas	Chem.	1954,1979
07076200	Little Red River near Wilburn, Arkansas	Chem., Temp.	1968-83
07076500	Little Red River at Pangburn, Arkansas	Temp.	1967-82
07076620	Little Red River near Searcy, Arkansas	Temp.	1967-82
07076634	Little Red River at Judsonia, Arkansas	Chem.	1975-83
07076640	Little Red River near West Point, Arkansas	Temp.	1967-72
07076750	White River at Georgetown, Arkansas	Temp.	1967-81
07076850	Cypress Bayou near Beebe, Arkansas	Chem.	1976-78
07077000	White River at DeValls Bluff, Arkansas	Chem., Temp.	1963-70
07077080	Little Cache River Ditch No. 1 near McDougal, Arkansas	Chem.	1973-75
07077380	Cache River at Egypt, Arkansas	Chem.	1963,1966, 1976-79
07077400	Cache River near Cash, Arkansas	Chem.	1974-83
07077600	Cache River at Brasfield, Arkansas	Chem.	1974-83
07077750	Bayou Deview near Brasfield, Arkansas	Chem.	1956-57, 1974-83
07077790	Cache River at 100 Yards Below Dredging, Arkansas	Chem.	1977-80
07077794	Cache River at Mouth near Clarendon, Arkansas	Chem.	1977-80
07077800	White River at Clarendon, Arkansas	Chem., Temp.	1948-67, 1970-86
07077950	Big Creek at Poplar Grove, Arkansas	Chem.	1972, 1976-79
07077952	Big Creek near Poplar Grove, Arkansas	Chem.	1970-73
07077960	Big Creek near Watkins Corner, Arkansas	Chem.	1974-83
07078120	Little LaGrue Bayou near Stuttgart, Arkansas	Chem.	1954-55
07078285	White River at Arkansas Post Canal near Nady, Arkansas	Chem.	1972-83
	ARKANSAS RIVER BASIN		
07195430	Illinois River South of Siloam Springs, Arkansas	Chem.	1972-81

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	ARKANSAS RIVER BASIN--CONTINUED		
07195800	Flint Creek at Springtown, Arkansas	Chem.	1975-79
07195850	Flint Creek North of Siloam Springs, Arkansas	Chem.	1972-81
07196950	Evansville Creek at Evansville, Arkansas	Chem.	1958-59
07247000	Poteau River at Cauthron, Arkansas	Chem.	1945-61, 1975-79
07247012	Poteau River South of Bates, Arkansas	Chem.	1972-83
07247903	Lee Creek near Natural Dam, Arkansas	Chem.	1972-74
07250000	Lee Creek near Van Buren, Arkansas	Chem.	1951-59, 1972-79
07252000	Mulberry River near Mulberry, Arkansas	Chem.	1947-59, 1975-79
07252400	Arkansas River at Ozark, Arkansas	Chem.	1962-63, 1965-66
07252500	Sixmile Creek Subwatershed near Chismville, Arkansas	Chem.	1959-67
07257000	Big Piney Creek near Dover, Arkansas	Chem.	1951-56
07257500	Illinois Bayou near Scottsville, Arkansas	Chem.	1971-72
07257995	Lake Dardanelle at Dardanelle, Arkansas	Chem.	1966-67
07260500	Petit Jean River at Danville, Arkansas	Chem.	1949-52, 1976-78
07260640	Petit Jean River near Centerville, Arkansas	Chem.	1974-83
07261000	Cadron Creek near Guy, Arkansas	Chem.	1976-78
07261235	East Fork Cadron Creek North of Conway, Arkansas	Chem.	1973
07261250	Cadron Creek West of Conway, Arkansas	Chem.	1955-56, 1973-83
07263000	South Fourche LaFave River near Hollis, Arkansas	Chem.	1953, 1978-79
07263010	Fourche LaFave River near Aplin, Arkansas	Chem.	1952-53
07263150	Fourche LaFave River near Bigelow, Arkansas	Chem.	1975-83
07263500	Arkansas River at Little Rock, Arkansas	Chem.	1946-69
07263650	Arkansas River at Pine Bluff, Arkansas	Chem.	1963
07263720	Arkansas River near Altheimer, Arkansas	Chem.	1954
07263750	Arkansas River at Lock and Dam 3 near Swan Lake, Arkansas	Chem.	1974-83
07264000	Bayou Meto near Lonoke, Arkansas	Chem.	1968-83
07264050	Bayou Two Prairie near Cabot, Arkansas	Chem.	1975-83
07264500	Bayou Meto near Stuttgart, Arkansas	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton, Arkansas	Chem.	1963
	RED RIVER Basin		
07339500	Rolling Fork near DeQueen, Arkansas	Temp.	1976-79
07339850	Rolling Fork near Horatio, Arkansas	Chem.	1974-83

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07340500	Cossastot River near DeQueen, Arkansas	Temp.	1976-79
07340520	Cossatot River near Lockesburg, Arkansas	Chem.	1974-83
07341000	Saline River near Dierks, Arkansas	Temp.	1975-79
07341200	Saline River near Lockesburg, Arkansas	Chem.	1974-83
07341500	Red River at Fulton, Arkansas	Chem., Temp.	1946-47, 1952-61, 1978-79
07342000	Red River at Garland, Arkansas	Chem.	1976
07344290	Days Creek South of Texarkana, Arkansas	Chem.	1973-74
07344340	Sulphur River near Fort Lynn, Arkansas	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey, Arkansas	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor, Arkansas	Chem.	1952, 1973-74
07349453	Wheeler Creek near Arkana, Arkansas	Chem.	1973-74
07349455	Bear Creek near Arkana, Arkansas	Chem.	1973
07349457	Dooley Creek near Arkansas-Louisiana State Line	Chem.	1973
07356150	Ouachita River near Washita, Arkansas	Chem.	1970-72
07356320	Irons Fork Creek near Fannie, Arkansas	Chem.	1970-78
07356500	South Fork Ouachita River at Mount Ida, Arkansas	Chem.	1970-72, 1978
07357500	Lake Ouachita near Hot Springs, Arkansas	Chem.	1970-78
07357501	Ouachita River at Blakely Mountain Dam near Hot Springs, Arkansas	Chem.	1970-83
07357503	Ouachita River at Mountain Pine, Arkansas	Temp.	1979-82
07358501	Ouachita River at Carpenter Dam near Hot Springs, Arkansas	Chem.	1974-86
07359900	DeGray Lake near Arkadelphia, Arkansas	Chem.	1950-52, 1976-78
07359910	Caddo River at DeGray Regulating Dam near Arkadelphia, Arkansas	Chem.	1976-78
07360000	Ouachita River at Arkadelphia, Arkansas	Chem.	1949-70
07360162	Ouachita River near Sparkman, Arkansas	Chem.	1974-83
07360182	Brushy Creek near Ouachita, Arkansas	Chem.	1978-81
07360250	Little Missouri River near Newhope, Arkansas	Chem.	1970-78
07360350	Self Creek near Daisy, Arkansas	Chem.	1970-72, 1976-78
07360500	Lake Greeson near Murfreesboro, Arkansas	Chem.	1970-72, 1976-78
07361500	Antoine River at Antoine, Arkansas	Chem.	1976-79
07361650	Terre Rouge Creek near Prescott, Arkansas	Chem.	1978-79
07361660	Little Missouri River near Whelen Springs, Arkansas	Chem.	1978

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
	RED RIVER BASIN--CONTINUED		
07361805	Terre Noir Creek at Vaden, Arkansas	Chem.	1978-79
07362100	Smackover Creek near Smackover, Arkansas	Chem.	1950-52, 1976-81
07362200	Smackover Creek near Norphlet, Arkansas	Chem.	1959-60, 1962-68, 1970-72
07362390	Ouachita River at Calion, Arkansas	Chem.	1950-54
07362400	Ouachita River at Lock and Dam 8, near Calion, Arkansas	Chem.	1972-84
07362500	Moro Creek near Fordyce, Arkansas	Chem.	1952-55, 1976-77
07363000	Saline River at Benton, Arkansas	Chem.	1950-53, 1975-79
07363080	Saline River near Tull, Arkansas	Chem.	1974-75
07363300	Hurricane Creek near Sheridan, Arkansas	Chem.	1967-72, 1976-80
07363400	Hurricane Creek below Sheridan, Arkansas	Chem.	1950-55
07363500	Saline River near Rye, Arkansas	Chem.	1947-55, 1958-60, 1968-71, 1976-80
07364020	L'Aigle Creek at Hermitage, Arkansas	Chem.	1980
07364060	Bayou Lapile at Strong, Arkansas	Chem.	1952-55
07364080	Ouachita River near Felsenthal, Arkansas	Chem., Temp.	1950-67, 1971-81
07364088	Coffee Creek near Crossett, Arkansas	Chem.	1973-83
07364150	Bayou Bartholomew near McGehee, Arkansas	Chem.	1960-72, 1976-79
07365900	Three Creeks near Three Creeks, Arkansas	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou East of Junction City, Arkansas	Chem.	1973-74
07367666	Big Bayou near Jerome, Arkansas	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot, Arkansas	Chem.	1973-74

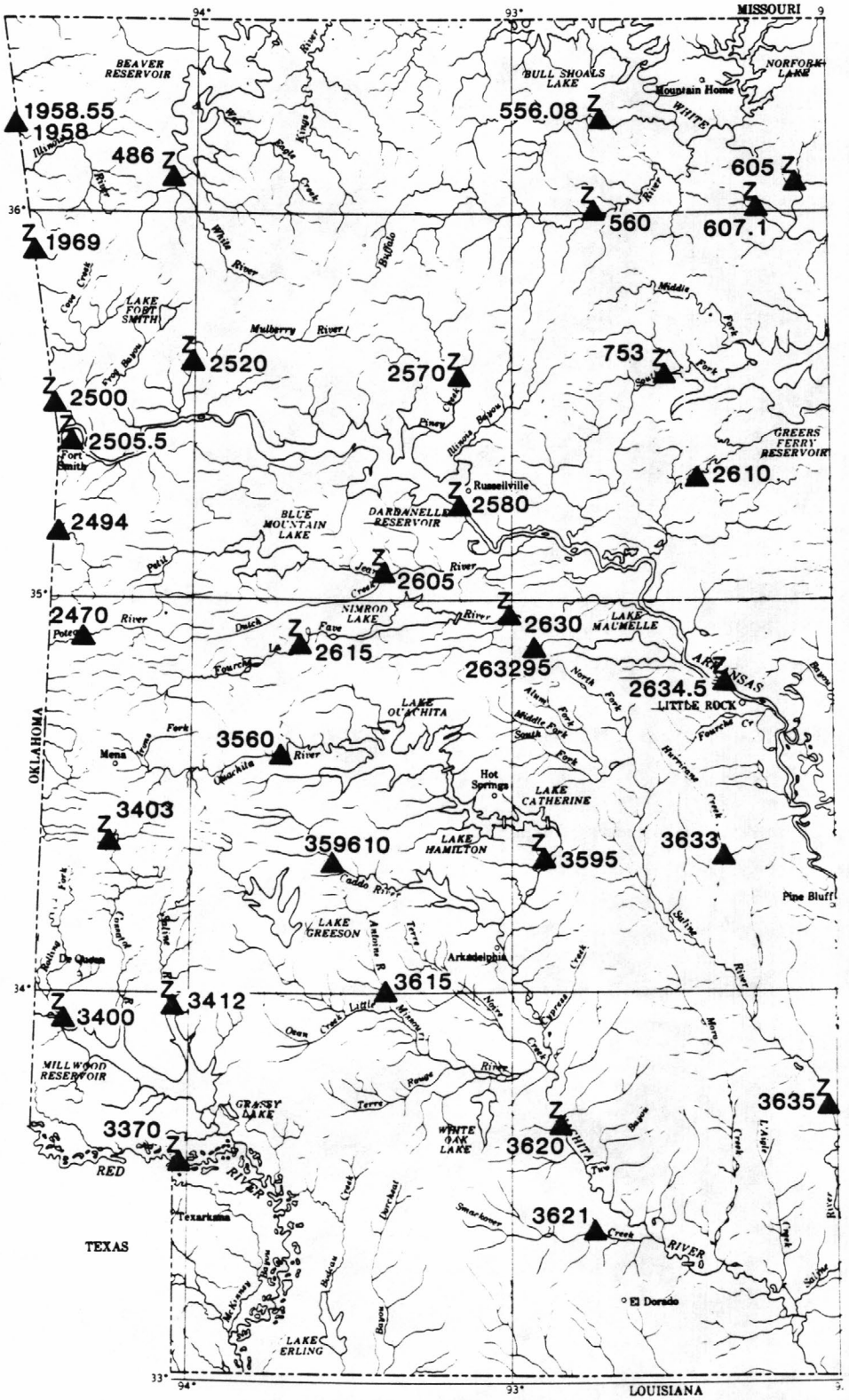


Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

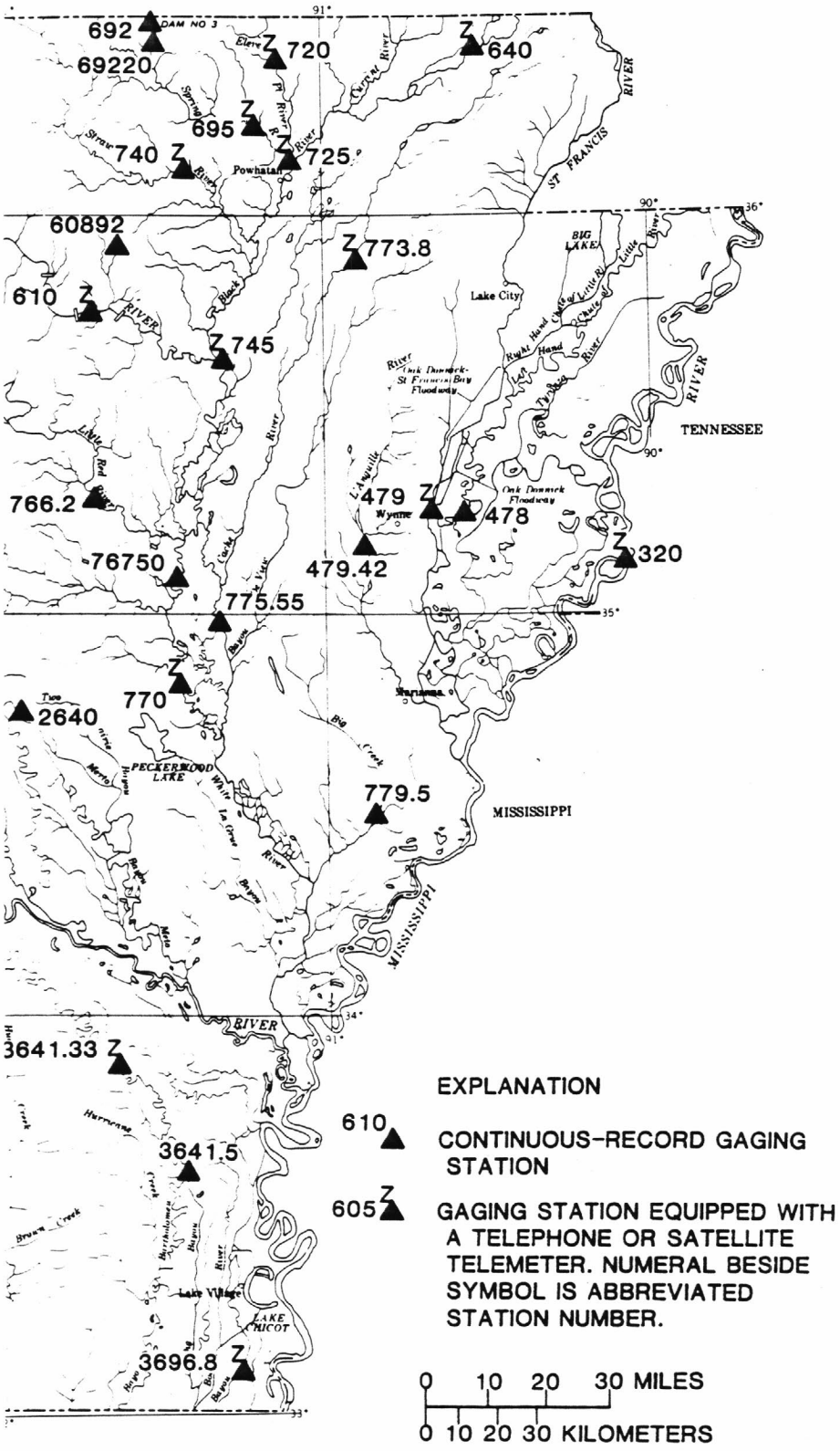


Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

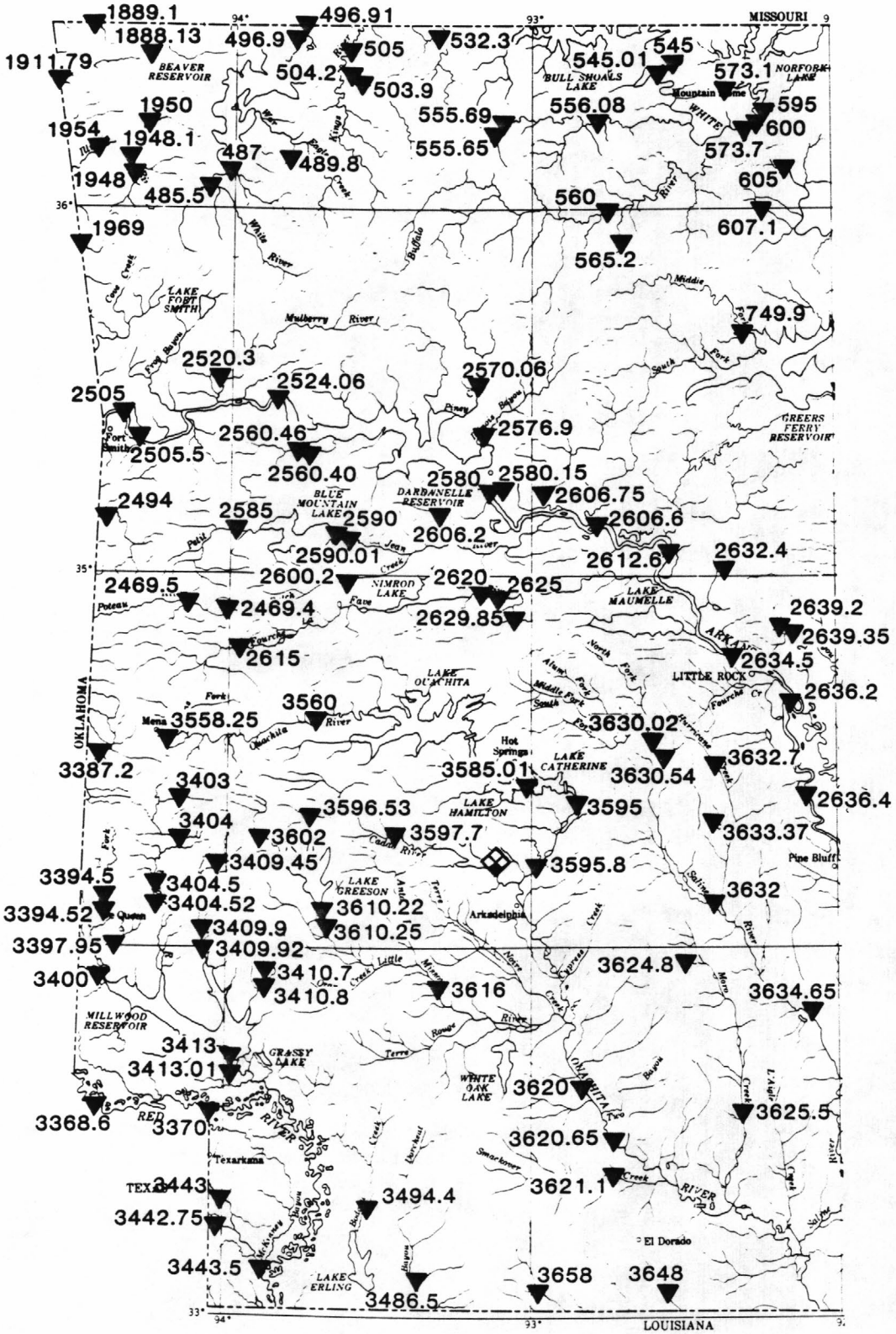


Figure 4.--Locations of water-quality stations in western Arkansas.

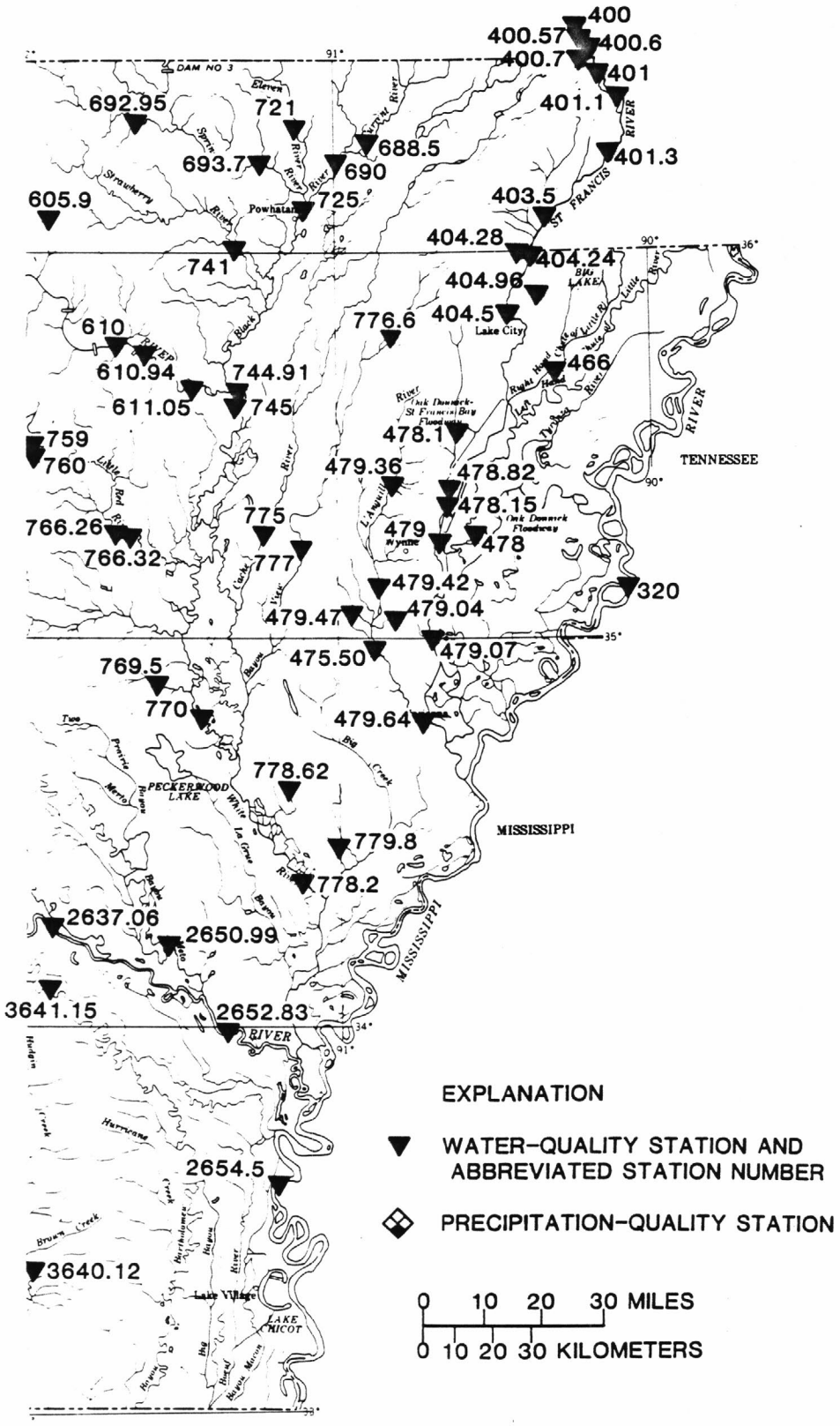


Figure 5.--Locations of water-quality stations in eastern Arkansas.

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENNESSEE

(National stream-quality accounting network station)

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

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

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

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

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

AVERAGE DISCHARGE.--58 years, 486,400 ft^3/s, 352,400,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980,000 ft^3/s Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 ft^3/s Aug. 26, 1936; minimum gage height, -10.70 ft July 10, 11, 1988.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,410,000 ft^3/s Jan. 14; maximum gage height, 36.09 ft Jan. 8; minimum daily discharge, 164,000 ft^3/s Sept. 12; minimum gage height, -4.52 ft Sept. 13.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.60	9.60	3.80	32.60	16.60	30.10	27.10	22.60	23.10	10.40	.90	-2.30
2	1.20	9.10	4.50	33.10	14.90	30.50	27.70	21.60	23.30	9.80	1.10	-2.70
3	.60	8.10	5.50	33.80	14.00	30.50	28.10	21.10	22.50	8.80	1.00	-3.40
4	.60	6.50	6.50	34.40	13.70	30.30	28.80	20.90	21.10	8.00	.70	-3.60
5	.00	4.70	7.00	35.00	13.60	30.00	29.30	20.80	19.70	7.80	.30	-3.20
6	-.40	3.10	7.80	35.40	14.50	29.20	29.50	20.30	18.50	7.30	-.40	-2.90
7	-.50	2.30	9.80	36.00	14.70	27.90	29.40	19.60	17.50	6.90	-.80	-2.80
8	.60	1.90	12.20	36.00	15.00	26.00	29.30	19.50	16.60	6.70	-.90	-2.50
9	1.50	1.80	13.60	35.90	16.00	24.30	28.90	19.50	15.80	6.50	-1.10	-2.20
10	2.20	2.00	14.30	35.80	17.30	23.20	28.20	20.00	15.10	6.20	-1.20	-2.80
11	2.50	1.90	14.50	36.00	19.00	22.40	26.40	20.60	14.30	5.50	-1.30	-3.90
12	2.80	2.00	14.20	36.00	19.90	22.00	24.40	21.40	13.90	5.70	-.90	-4.50
13	3.70	2.20	13.70	35.80	20.80	21.80	22.70	22.20	13.20	6.90	.00	-4.50
14	4.40	2.70	12.40	35.70	21.40	21.80	21.70	22.60	12.10	8.10	.10	-4.20
15	5.00	3.60	10.80	35.60	21.70	21.50	21.60	22.50	11.70	8.90	.00	-3.30
16	4.90	4.60	9.20	35.60	21.90	21.20	21.30	22.40	11.60	9.00	.00	-3.20
17	5.10	5.10	7.80	35.30	22.10	20.80	22.20	21.90	12.00	8.20	-.10	-3.50
18	6.00	5.50	7.70	35.00	22.60	20.60	23.00	21.70	11.80	7.50	-.20	-3.30
19	7.30	5.30	8.30	34.60	23.10	20.50	24.50	21.30	11.50	7.30	-.60	-2.70
20	8.40	4.90	9.40	34.20	23.20	20.60	25.50	20.80	11.60	6.60	-.80	-2.40
21	9.00	4.30	14.10	33.60	23.70	21.00	26.10	20.10	12.00	5.50	-.70	-2.30
22	9.00	3.30	19.00	32.80	24.80	21.30	26.70	19.60	12.30	4.70	-.70	-2.20
23	8.50	2.10	21.90	31.90	26.00	21.60	27.10	18.90	12.50	4.10	-.60	-2.10
24	7.90	1.70	24.70	31.10	27.00	22.30	27.30	18.10	12.70	3.10	-.20	-2.00
25	7.80	1.30	26.20	29.90	28.00	23.10	27.40	17.40	12.80	2.40	-.50	-1.90
26	8.00	1.20	27.40	28.60	28.60	23.90	27.30	17.60	12.30	1.70	-1.20	-2.00
27	8.50	1.70	28.70	27.00	29.30	24.50	27.00	16.90	11.90	1.40	-1.50	-2.30
28	8.80	2.80	29.90	25.20	29.80	25.10	26.40	16.60	11.30	1.30	-1.50	-2.30
29	9.00	3.30	30.80	22.90	---	25.70	25.50	17.50	10.90	1.20	-1.50	-1.80
30	9.10	3.50	31.30	20.90	---	26.30	23.90	19.50	10.70	.90	-1.70	-1.50
31	9.30	---	32.10	19.60	---	26.70	---	21.70	---	.70	-1.90	---

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENNESSEE--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258000	435000	325000	1250000	635000	1150000	1030000	795000	812000	419000	244000	190000
2	249000	422000	336000	1270000	565000	1170000	1050000	761000	813000	403000	243000	183000
3	240000	394000	358000	1290000	538000	1190000	1070000	744000	778000	380000	236000	174000
4	238000	357000	372000	1320000	528000	1190000	1090000	734000	731000	366000	227000	174000
5	230000	322000	383000	1330000	533000	1160000	1110000	726000	684000	359000	216000	178000
6	225000	293000	406000	1350000	554000	1120000	1110000	706000	649000	349000	204000	182000
7	227000	279000	451000	1360000	560000	1050000	1110000	689000	620000	341000	200000	185000
8	240000	272000	503000	1360000	574000	976000	1110000	689000	593000	337000	200000	188000
9	252000	273000	536000	1350000	604000	908000	1090000	697000	571000	333000	198000	190000
10	260000	276000	550000	1340000	644000	859000	1040000	716000	551000	324000	198000	181000
11	263000	275000	551000	1340000	693000	827000	966000	742000	533000	313000	199000	169000
12	269000	279000	540000	1360000	730000	815000	890000	774000	519000	319000	208000	164000
13	286000	285000	519000	1380000	763000	814000	826000	803000	495000	341000	219000	167000
14	301000	299000	482000	1410000	788000	813000	794000	810000	474000	364000	221000	175000
15	311000	319000	444000	1410000	801000	807000	787000	803000	466000	379000	222000	188000
16	312000	337000	407000	1400000	810000	795000	784000	793000	467000	374000	222000	192000
17	321000	347000	380000	1390000	825000	783000	810000	773000	473000	359000	222000	194000
18	343000	354000	386000	1370000	846000	778000	852000	760000	468000	347000	219000	197000
19	371000	351000	398000	1350000	871000	779000	902000	742000	461000	341000	215000	202000
20	396000	344000	438000	1330000	880000	788000	937000	720000	466000	327000	215000	203000
21	410000	333000	574000	1300000	912000	802000	959000	696000	475000	308000	216000	203000
22	411000	315000	705000	1260000	961000	813000	979000	681000	482000	294000	217000	203000
23	400000	298000	812000	1220000	985000	826000	993000	660000	485000	281000	220000	203000
24	392000	290000	911000	1180000	1000000	850000	1000000	632000	490000	271000	223000	203000
25	393000	286000	972000	1130000	1010000	881000	999000	620000	486000	264000	220000	202000
26	401000	289000	1020000	1070000	1050000	909000	990000	624000	473000	258000	212000	198000
27	413000	298000	1080000	1000000	1090000	932000	979000	604000	460000	258000	207000	195000
28	422000	315000	1130000	923000	1120000	952000	949000	597000	446000	260000	206000	197000
29	427000	320000	1170000	834000	---	977000	908000	621000	436000	261000	205000	203000
30	429000	321000	1200000	754000	---	997000	845000	688000	429000	253000	201000	205000
31	433000	---	1230000	720000	---	1010000	---	769000	---	246000	197000	---
TOTAL	10123000	9578000	19569000	38351000	21870000	28721000	28959000	22169000	16286000	10029000	6652000	5688000
MEAN	326500	319300	631300	1237000	781100	926500	965300	715100	542900	323500	214600	189600
MAX	433000	435000	1230000	1410000	1120000	1190000	1110000	810000	813000	419000	244000	205000
MIN	225000	272000	325000	720000	528000	778000	784000	597000	429000	246000	197000	164000
AC-FT	20080000	19000000	38820000	76070000	43380000	56970000	57440000	43970000	32300000	19890000	13190000	11280000

CAL YR 1990 TOTAL 211818000 MEAN 580300 MAX 1230000 MIN 196000 AC-FT .42014099E9
WTR YR 1991 TOTAL 217995000 MEAN 597200 MAX 1410000 MIN 164000 AC-FT .43239302E9

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENNESSEE--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD--
SPECIFIC CONDUCTANCE: February 1973 to September 1981.
WATER TEMPERATURES: February 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT											
30...	1330	80513	80020	416000	415	8.2	14.0	39	9.1	88	766
MAR											
05...	1230	80513	80020	1110000	265	7.4	7.5	39	10.9	92	751
MAY											
02...	0930	80513	80513	782000	375	8.1	15.0	91	9.2	91	762
JUL											
11...	0820	80513	80513	357000	440	7.6	29.0	30	6.4	84	760

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT											
30...	1330	K410	110	160	37	42	13	20	21	0.7	3.2
MAR											
05...	1230	93	84	110	33	31	8.1	9.4	15	0.4	2.4
MAY											
02...	0930	730	K60	150	40	42	12	9.6	12	0.3	2.9
JUL											
11...	0820	290	K12	190	52	50	15	14	14	0.4	3.5

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT										
30...	1330	116	0	148	121	57	20	0.40	5.9	253
MAR										
05...	1230	77	0	95	78	30	10	0.10	6.3	146
MAY										
02...	0930	113	0	140	115	42	16	0.30	7.7	--
JUL										
11...	0820	134	0	165	135	43	14	0.30	8.2	266

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT										
30...	1330	242	284000	0.34	1.58	0.020	1.60	0.040	<0.010	0.36
MAR										
05...	1230	150	438000	0.20	1.17	0.030	1.20	0.050	0.050	0.45
MAY										
02...	0930	215	454000	0.29	2.94	0.060	3.00	0.090	0.030	1.0
JUL										
11...	0820	243	256000	0.36	2.89	0.010	2.90	0.070	0.040	1.2

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENNESSEE--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT										
30...	1330	0.40	0.140	0.060	0.050	53	10	1	<0.5	<1.0
MAR										
05...	1230	0.50	0.160	0.040	0.050	35	60	<1	<0.5	<1.0
MAY										
02...	0930	1.1	0.270	0.070	0.040	55	30	1	<0.5	9.0
JUL										
11...	0820	1.3	0.130	0.140	0.100	74	<10	3	<0.5	<1.0

DATE	TIME	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)
OCT										
30...	1330	<1	<3	35	19	<1	10	2	<0.1	<10
MAR										
05...	1230	<1	<3	2	68	<1	<4	3	<0.1	<10
MAY										
02...	0930	<1	<3	8	19	1	6	2	<0.1	<10
JUL										
11...	0820	<1	<3	6	7	<1	7	1	<0.1	<10

DATE	TIME	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
30...	1330	1	<1	<1.0	200	<6	19	98	110000	94
MAR										
05...	1230	1	<1	<1.0	110	<6	6	76	228000	85
MAY										
02...	0930	<1	<1	<1.0	140	<6	17	289	610000	87
JUL										
11...	0820	1	<1	<1.0	170	<6	<3	105	101000	92

07040000 ST. FRANCIS RIVER AT FISK, MISSOURI

LOCATION.--Lat 36°46'50", long 90°12'08", in NW¼ SW¼ sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Mo.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)
OCT									
23.	1345	80513	80513	232	7.5	13.5	9.9	96	237
NOV									
26.	1430	80513	80513	228	7.5	12.0	9.5	90	355
DEC									
17.	1430	80513	80513	182	6.9	6.0	11.7	96	2800
JAN									
14.	1600	80513	80513	130	7.2	0.0	14.2	98	7230
FEB									
11.	1500	80513	80513	145	8.8	5.0	10.8	85	2860
MAR									
11.	1500	80513	80513	206	8.1	9.0	12.0	105	1130
APR									
09.	1430	80513	80513	163	7.6	17.0	9.3	97	1580
MAY									
06.	1545	80513	80513	101	6.6	18.5	10.0	107	3220
JUN									
03.	1440	80513	80513	120	6.6	25.5	6.6	82	3180
JUL									
15.	1315	80513	80513	165	6.9	28.5	8.4	109	220
AUG									
20.	1130	80513	80513	178	6.8	25.0	7.9	96	180
SEP									
16.	1200	80513	80513	215	7.8	27.0	6.4	81	206

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT								
23.	1345	28	18	96	98	100	--	8
NOV								
26.	1430	28	27	93	95	100	--	2
DEC								
17.	1430	31	234	99	99	100	--	16
JAN								
14.	1600	41	800	65	72	93	100	71
FEB								
11.	1500	60	463	87	94	98	100	6
MAR								
11.	1500	60	183	98	99	100	--	4
APR								
09.	1430	75	320	95	95	98	100	11
MAY								
06.	1545	74	643	93	97	99	100	13
JUN								
03.	1440	111	953	87	96	99	100	9
JUL								
15.	1315	133	79	83	93	99	100	15
AUG								
20.	1130	47	23	94	95	100	--	13
SEP								
16.	1200	41	23	94	99	100	--	50

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
OCT								
23.	1345	9	37	50	56	57	71	100
NOV								
26.	1430	2	60	98	100	--	--	--
DEC								
17.	1430	19	61	96	100	--	--	--
JAN								
14.	1600	73	80	91	100	--	--	--
FEB								
11.	1500	7	76	97	100	--	--	--
MAR								
11.	1500	5	27	92	100	--	--	--
APR								
09.	1430	12	48	90	100	--	--	--
MAY								
06.	1545	15	40	61	68	68	91	100
JUN								
03.	1440	12	62	93	100	--	--	--
JUL								
15.	1315	20	74	95	100	--	--	--
AUG								
20.	1130	20	75	95	100	--	--	--
SEP								
16.	1200	74	94	99	100	--	--	--

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MISSOURI

LOCATION.--Lat 36°34′22", long 90°11′06", in NE¼NW¼ sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi southwest of Glennonville, Mo.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TEMPERATURE WATER (DEG C) (00010)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV									
26...	1335	80513	80513	12.5	380	49	50	95	95
DEC									
17...	1305	80513	80513	5.0	4050	216	2360	86	91
JAN									
14...	1445	80513	80513	0.0	8320	286	6420	74	80
FEB									
11...	1415	80513	80513	5.0	3320	110	986	71	78
MAR									
11...	1415	80513	80513	10.0	1350	79	288	99	99
APR									
09...	1300	80513	80513	17.0	1750	98	463	94	98
MAY									
06...	1430	80513	80513	18.5	3990	118	1270	80	88
JUN									
03...	1325	80513	80513	25.5	3600	138	1340	77	85

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV								
26...	1335	100	--	13	22	85	99	100
DEC								
17...	1305	98	100	9	16	49	84	100
JAN								
14...	1445	95	100	0	1	82	100	--
FEB								
11...	1415	98	100	1	2	75	99	100
MAR								
11...	1415	100	--	1	3	71	99	100
APR								
09...	1300	99	100	1	2	73	99	100
MAY								
06...	1430	99	100	1	2	78	99	100
JUN								
03...	1325	98	100	1	2	74	99	100

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MISSOURI

LOCATION.--Lat 36°30'53", long 90°09'30", in SW¼SW¼ sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi northwest of Campbell, Mo., off Missouri State Highway 53.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TEMPERATURE WATER (DEG C) (00010)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV									
26...	1300	80513	80513	12.5	400	48	52	92	93
DEC									
17...	1225	80513	80513	6.0	3750	218	2210	59	65
JAN									
14...	1400	80513	80513	0.0	8360	163	3680	73	81
FEB									
11...	1330	80513	80513	5.0	3320	166	1490	52	61
MAR									
11...	1330	80513	80513	9.0	1320	133	474	66	69
APR									
09...	1205	80513	80513	17.0	1660	185	829	91	95
MAY									
06...	1330	80513	80513	18.5	3890	126	1320	85	94
JUN									
03...	1230	80513	80513	25.5	3510	168	1590	77	86

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
26...	1300	100	--	--	0	0	83	99	100
DEC									
17...	1225	93	99	100	2	2	53	97	100
JAN									
14...	1400	99	100	--	1	1	63	99	100
FEB									
11...	1330	97	100	--	1	2	86	99	100
MAR									
11...	1330	93	100	--	1	1	74	99	100
APR									
09...	1205	99	100	--	12	13	63	99	100
MAY									
06...	1330	100	--	--	1	3	73	99	100
JUN									
03...	1230	99	100	--	1	2	83	99	100

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARKANSAS

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

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

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: February 1985 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 5,990 mg/L July 19, 1988; minimum daily mean, 12 mg/L, October 5, 1990.
SEDIMENT LOADS: Maximum daily, 76,200 tons, February 14, 1989; minimum daily, 9.9 tons, November 22, December 1, 1986.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,430 mg/L, January 20; minimum daily mean, 17 mg/L, December 5.
SEDIMENT LOADS: Maximum daily, 37,100 tons, January 20; minimum daily, 12 tons, December 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT											
23...	1530	80513	80513	247	7.3	13.5	5.4	52	280	50	38
NOV											
27...	0800	80513	80513	244	7.5	15.5	8.7	88	390	95	100
DEC											
18...	0735	80513	80513	142	6.8	6.5	9.7	81	4880	321	4230
JAN											
15...	0830	80513	80513	101	6.7	0.0	14.4	100	8700	184	4320
FEB											
12...	0830	80513	80513	147	7.6	5.0	12.6	99	3310	92	822
MAR											
12...	0800	80513	80513	210	8.0	9.0	10.8	95	1190	89	286
APR											
10...	0735	80513	80513	153	7.8	15.5	8.8	88	1760	257	1220
MAY											
07...	0800	80513	80513	98	6.6	18.0	9.2	97	3990	110	1190
JUN											
04...	0730	80513	80513	120	6.6	25.5	6.8	84	3640	119	1170
JUL											
15...	1150	80513	80513	295	6.7	27.0	8.2	103	375	154	156
AUG											
20...	1300	80513	80513	297	7.3	25.0	7.6	92	274	137	101
SEP											
16...	1305	80513	80513	238	8.2	28.0	7.6	98	257	119	83

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
23...	1530	99	100	--	--	20	30	96	99	100
NOV										
27...	0800	76	94	96	100	1	1	96	99	100
DEC										
18...	0735	86	92	100	--	2	3	58	90	100
JAN										
15...	0830	46	51	99	100	1	1	90	99	100
FEB										
12...	0830	91	96	100	--	1	1	92	99	100
MAR										
12...	0800	97	98	100	--	1	1	91	99	100
APR										
10...	0735	86	94	99	100	0	0	91	99	100
MAY										
07...	0800	87	95	100	--	1	2	92	99	100
JUN										
04...	0730	89	98	100	--	1	2	92	99	100
JUL										
15...	1150	74	79	97	100	16	17	90	98	100
AUG										
20...	1300	57	67	98	100	26	27	91	99	100
SEP										
16...	1305	93	96	100	--	17	17	92	99	100

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	272	79	58	182	65	32	1530	280	1160
2	267	76	55	177	85	41	2410	450	2930
3	264	91	65	246	73	48	2710	370	2710
4	327	194	171	264	63	45	2660	287	2060
5	495	270	361	281	53	40	2980	280	2250
6	301	135	110	279	50	38	3270	267	2360
7	311	144	121	513	130	180	3430	258	2390
8	916	626	1550	656	93	165	3530	243	2320
9	1010	491	1340	649	72	126	3570	249	2400
10	2180	658	3870	769	78	162	3550	207	1980
11	1120	214	647	808	81	177	3520	179	1700
12	821	145	321	794	72	154	3520	166	1580
13	868	130	305	652	53	93	3470	189	1770
14	779	98	206	491	40	53	3230	194	1690
15	725	84	164	416	40	45	3150	147	1250
16	687	76	141	399	40	43	3090	157	1310
17	615	77	128	393	35	37	3560	238	2290
18	542	67	98	391	30	32	5040	538	7320
19	469	69	87	395	34	36	5830	391	6150
20	406	66	72	395	42	45	4320	159	1850
21	359	55	53	395	48	51	5070	863	11800
22	309	48	40	432	60	70	9920	896	24000
23	285	49	38	496	59	79	9540	539	13900
24	280	48	36	473	62	79	7270	309	6070
25	316	44	38	431	57	66	5270	194	2760
26	365	45	44	410	54	60	4020	141	1530
27	347	42	39	413	110	123	3810	130	1340
28	292	31	24	1560	857	3610	3910	116	1220
29	268	37	27	1600	417	1800	5210	814	11500
30	266	44	32	842	215	489	9450	886	22600
31	235	45	29	---	---	---	10500	518	14700
TOTAL	16697	---	10270	16202	---	8019	142340	---	160890

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	8570	328	7590	7210	251	4890	1660	160	717
2	7130	290	5580	6920	218	4070	2180	218	1280
3	6350	283	4850	6540	204	3600	1850	112	559
4	6090	280	4600	6120	183	3020	1680	78	354
5	6270	315	5330	5750	154	2390	1430	71	274
6	8590	625	14500	6260	459	7760	861	81	188
7	11900	849	27300	6260	278	4700	674	105	191
8	10800	542	15800	5330	150	2160	1200	131	424
9	9800	349	9230	4530	140	1710	1520	107	439
10	9690	427	11200	3980	126	1350	1510	81	330
11	11400	714	22000	3600	105	1020	1370	68	252
12	11700	747	23600	3320	113	1010	1210	66	216
13	10500	340	9640	3480	409	3840	954	54	139
14	9500	314	8050	4390	490	5810	618	37	62
15	9090	311	7630	3120	197	1660	502	33	45
16	9610	388	10100	2860	127	981	798	37	80
17	9430	316	8050	2850	115	885	1140	64	197
18	8970	302	7310	2720	106	778	1240	68	228
19	8660	232	5420	2730	121	892	1210	58	189
20	8520	248	5700	2660	135	970	1090	50	147
21	8350	275	6200	2260	120	732	1070	53	153
22	8200	260	5760	1910	100	516	4770	2600	33500
23	8100	233	5100	1770	88	421	9720	1570	41200
24	8030	273	5920	1720	76	353	7120	730	14000
25	7990	261	5630	1680	73	331	4730	470	6000
26	7950	260	5580	1650	66	294	4090	386	4260
27	7910	281	6000	1650	64	285	4750	433	5550
28	7880	312	6640	1630	73	321	5270	445	6330
29	7790	262	5510	---	---	---	5190	292	4090
30	7650	249	5140	---	---	---	4870	234	3080
31	7420	256	5130	---	---	---	4380	174	2060
TOTAL	269840	---	276090	104900	---	56749	80657	---	126534

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	3940	155	1650	5690	208	3200	3810	160	1650
2	3380	145	1320	4740	161	2060	3770	159	1620
3	2910	175	1370	4310	152	1770	3710	150	1500
4	2970	282	2260	4140	161	1800	3640	166	1630
5	2650	208	1490	4180	202	2280	3580	175	1690
6	2220	163	977	4140	175	1960	3500	164	1550
7	1980	169	903	3970	134	1440	3480	171	1610
8	1990	241	1290	3890	130	1370	3390	178	1630
9	1810	129	630	3820	121	1250	3280	179	1590
10	1720	120	557	3800	123	1260	3140	168	1420
11	1830	534	2640	3760	145	1470	2890	163	1270
12	3110	902	7570	4110	622	6900	2690	185	1340
13	4400	886	10500	4660	559	7030	2400	179	1160
14	9600	1390	36000	4930	450	5990	2250	270	1640
15	10800	663	19300	4500	202	2450	1820	189	929
16	8850	442	10600	6180	1140	19000	1550	215	900
17	6910	289	5390	6460	415	7240	1360	183	672
18	5690	222	3410	6020	278	4520	1230	173	575
19	5220	209	2950	5120	222	3070	1140	150	462
20	4610	202	2510	4510	239	2910	968	137	358
21	4390	154	1830	4650	233	2930	851	134	308
22	4300	159	1850	4290	155	1800	1690	687	3130
23	4280	160	1850	4090	140	1550	1670	772	3480
24	4280	154	1780	4150	181	2030	780	243	512
25	4280	157	1810	6040	690	11300	938	596	1510
26	4220	146	1660	6510	295	5190	744	285	573
27	4290	171	1980	5010	189	2560	561	156	236
28	4350	194	2280	4220	166	1890	490	121	160
29	5810	712	11200	4010	168	1820	458	105	130
30	6830	349	6440	3930	169	1790	451	96	117
31	---	---	---	3890	151	1590	---	---	---
TOTAL	133620	---	145997	143720	---	113420	62231	---	35352

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	495	126	168	202	142	77	188	140	71
2	531	132	189	202	148	81	200	148	80
3	496	84	112	200	138	75	255	160	110
4	455	84	103	196	132	70	412	280	311
5	425	72	83	196	136	72	1440	1210	4700
6	407	73	80	189	162	83	754	272	554
7	402	71	77	182	214	105	496	155	208
8	391	73	77	176	166	79	440	110	131
9	378	68	69	199	199	107	425	101	116
10	384	77	80	262	134	95	409	84	93
11	457	93	115	230	142	88	391	76	80
12	417	94	106	333	116	104	377	77	78
13	424	84	96	357	121	117	326	71	62
14	398	62	67	362	131	128	271	78	57
15	362	53	52	369	139	138	253	100	68
16	342	53	49	376	126	128	248	76	51
17	338	62	57	341	111	102	264	97	69
18	346	71	66	325	107	94	236	103	66
19	353	77	73	304	87	71	184	93	46
20	353	78	74	280	86	65	151	124	51
21	344	82	76	265	87	62	138	87	32
22	337	88	80	260	96	67	136	108	40
23	336	100	91	263	92	65	138	114	42
24	395	134	143	222	109	65	135	123	45
25	282	108	82	188	111	56	138	105	39
26	249	135	91	194	128	67	153	115	48
27	225	130	79	195	125	66	227	83	51
28	206	107	60	178	121	58	242	66	43
29	203	119	65	203	126	69	242	57	37
30	202	131	71	258	94	65	243	55	36
31	202	129	70	205	120	66	---	---	---
TOTAL	11135	---	2701	7712	---	2585	9512	---	7415
YEAR	998566		946022						

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, ARKANSAS

LOCATION.--Lat 36°23'50", long 90°04'40", in SE¼SW¼ sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi east of Piggott.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TEMPERATURE WATER (DEG C) (00010)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
26...	1215	80513	80513	12.5	411	--	53	59	96	96
DEC										
17...	1120	80513	80513	8.0	3460	--	158	1480	85	90
JAN										
14...	1215	80513	80513	0.0	7780	67	115	2420	66	75
14...	1245	80513	80513	0.0	3010	68	42	341	99	100
FEB										
11...	1230	80513	80513	5.0	3300	--	202	1800	55	63
MAR										
11...	1200	80513	80513	9.0	1370	--	160	592	48	53
APR										
09...	1100	80513	80513	17.0	1740	--	161	756	93	97
MAY										
06...	1200	80513	80513	18.5	3710	--	185	1850	68	76
JUN										
03...	1115	80513	80513	25.5	3330	67	152	1370	84	91
03...	1140	80513	80513	25.5	143	68	258	100	74	87

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
26...	1215	100	--	--	1	1	78	99	100
DEC									
17...	1120	99	99	100	1	2	20	91	100
JAN									
14...	1215	96	100	--	2	2	7	55	100
14...	1245	--	--	--	16	39	64	74	100
FEB									
11...	1230	96	100	--	1	2	55	98	100
MAR									
11...	1200	96	100	--	1	2	38	93	100
APR									
09...	1100	98	100	--	1	2	62	95	100
MAY									
06...	1200	99	100	--	1	2	36	86	100
JUN									
03...	1115	99	100	--	1	1	53	91	100
03...	1140	99	100	--	25	28	74	95	100

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARKANSAS

LOCATION.--Lat 36°14'11", long 90°07'52", in SW¼NE¼ 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 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TEMPERATURE WATER (DEG C) (00010)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV									
27...	0900	80513	80513	13.0	391	--	103	109	96
DEC									
18...	0915	80513	80513	6.0	3480	67	254	2390	94
18...	0950	80513	80513	6.0	772	68	110	229	98
JAN									
15...	1030	80513	80513	0.0	4550	67	100	1230	66
15...	1100	80513	80513	0.0	5400	68	44	642	89
FEB									
12...	0930	80513	80513	5.0	2840	67	127	974	81
12...	1000	80513	80513	5.0	648	68	111	194	80
MAR									
12...	0930	80513	80513	9.0	1300	--	52	183	97
APR									
10...	0905	80513	80513	16.0	1900	--	114	585	97
MAY									
07...	0930	80513	80513	18.0	3050	--	135	1110	95
JUN									
04...	0900	80513	80513	25.5	3880	--	164	1720	92

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
27...	0900	98	100	--	15	18	80	98	100
DEC									
18...	0915	96	99	100	1	1	72	98	100
18...	0950	98	99	100	48	66	90	98	100
JAN									
15...	1030	72	98	100	0	1	15	86	100
15...	1100	89	99	100	21	57	98	100	--
FEB									
12...	0930	86	99	100	1	1	76	98	100
12...	1000	87	97	100	41	59	94	98	100
MAR									
12...	0930	97	99	100	1	1	71	99	100
APR									
10...	0905	97	99	100	15	16	56	94	100
MAY									
07...	0930	99	99	100	1	1	65	96	100
JUN									
04...	0900	98	99	100	1	2	65	95	100

07040450 ST. FRANCIS RIVER AT LAKE CITY, ARKANSAS

LOCATION.--Lat 35°49'16", long 90°25'56", in SE¼ sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT								
24...	0720	80513	80513	244	7.1	11.5	7.0	64
NOV								
27...	1115	80513	80513	260	7.2	15.0	6.4	64
DEC								
18...	1415	80513	80513	85	6.4	9.0	8.2	72
18...	1500	80513	80513	155	6.4	7.5	8.1	69
JAN								
15...	1400	80513	80513	121	6.8	1.0	14.4	103
15...	1430	80513	80513	98	6.8	1.0	12.8	92
FEB								
12...	1315	80513	80513	155	7.7	7.0	10.0	83
12...	1400	80513	80513	136	7.7	6.0	10.6	86
MAR								
12...	1215	80513	80513	239	7.9	11.0	9.7	90
12...	1245	80513	80513	239	7.9	11.0	9.7	90
APR								
10...	1245	80513	80513	179	7.6	17.5	7.8	81
10...	1345	80513	80513	170	7.7	17.5	7.6	79
MAY								
07...	1305	80513	80513	145	6.7	18.0	8.5	90
07...	1345	80513	80513	112	6.9	18.0	8.4	89
JUN								
04...	1215	80513	80513	155	6.8	25.0	6.2	76
04...	1300	80513	80513	138	6.7	25.0	5.8	71
JUL								
16...	0800	80513	80513	280	7.5	26.5	4.8	60
AUG								
21...	0720	80513	80513	290	7.1	25.5	6.2	76
SEP								
17...	0715	80513	80513	231	7.6	27.0	5.8	73

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT								
24...	0720	793	--	63	135	92	92	95
NOV								
27...	1115	513	--	61	84	71	83	88
DEC								
18...	1415	1830	67	867	4280	62	69	90
18...	1500	4950	68	48	642	99	99	100
JAN								
15...	1400	2370	67	48	307	95	96	98
15...	1430	11500	68	36	1120	99	99	100
FEB								
12...	1315	1460	67	64	252	91	93	95
12...	1400	5070	68	47	643	97	97	99
MAR								
12...	1215	1160	67	47	147	95	96	97
12...	1245	805	68	66	143	94	95	97
APR								
10...	1245	1390	67	136	510	81	83	95
10...	1345	2050	68	123	681	95	98	100
MAY								
07...	1305	1330	67	94	338	95	96	98
07...	1345	3960	68	104	1110	99	100	--
JUN								
04...	1215	1260	67	116	395	88	93	98
04...	1300	3480	68	326	3060	88	96	99
JUL								
16...	0800	759	--	130	266	97	97	100
AUG								
21...	0720	446	--	116	140	98	100	--
SEP								
17...	0715	377	--	83	84	98	99	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT								
24...	0720	100	--	3	4	74	99	100
NOV								
27...	1115	100	--	6	8	67	99	100
DEC								
18...	1415	99	100	6	11	77	98	100
18...	1500	--	--	34	42	76	98	100
JAN								
15...	1400	100	--	31	34	58	93	100
15...	1430	--	--	30	38	66	96	100
FEB								
12...	1315	100	--	2	2	55	98	100
12...	1400	100	--	9	14	45	98	100
MAR								
12...	1215	100	--	1	1	50	97	100
12...	1245	100	--	3	4	56	99	100
APR								
10...	1245	100	--	2	3	58	99	100
10...	1345	--	--	11	24	72	99	100
MAY								
07...	1305	100	--	3	4	36	98	100
07...	1345	--	--	4	9	58	97	100
JUN								
04...	1215	99	100	1	2	40	97	100
04...	1300	100	--	5	8	38	95	100
JUL								
16...	0800	--	--	1	1	49	99	100
AUG								
21...	0720	--	--	3	3	69	99	100
SEP								
17...	0715	100	--	18	24	66	98	100

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, ARKANSAS

LOCATION.--Lat 35°51'39", long 90°19'49", in SW¼SE¼ sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi southeast of Monette.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV											
27...	1050	80513	80513	408	7.7	17.0	5.4	57	0.0	--	--
DEC											
18...	1140	80513	80513	180	6.9	9.5	9.3	83	842	235	534
JAN											
15...	1300	80513	80513	390	7.0	9.0	9.1	80	913	32	79
FEB											
12...	1230	80513	80513	411	8.0	11.0	8.4	77	448	70	85
MAR											
12...	1200	80513	80513	415	8.1	12.0	9.7	92	442	74	88
APR											
10...	1130	80513	80513	343	7.8	17.0	7.8	81	312	101	85
MAY											
07...	1145	80513	80513	382	6.9	17.5	7.9	82	568	86	132
JUN											
04...	1100	80513	80513	400	7.1	25.0	6.2	76	463	313	391

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
DEC										
18...	1140	100	--	--	--	63	72	92	98	100
JAN										
15...	1300	99	99	99	100	83	86	93	97	100
FEB										
12...	1230	88	95	98	100	56	63	86	95	100
MAR										
12...	1200	96	98	100	--	48	68	87	99	100
APR										
10...	1130	95	96	99	100	49	65	93	98	100
MAY										
07...	1145	96	99	100	--	85	89	92	94	100
JUN										
04...	1100	82	93	99	100	82	92	97	99	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, ARKANSAS

LOCATION.--Lat 35°40'20", long 90°29'12", in SW¼ 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 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT											
24...	0915	80513	80513	277	7.6	14.0	7.3	71	616	45	75
NOV											
28...	0805	80513	80513	447	7.5	15.0	7.5	74	742	48	96
DEC											
18...	1200	80513	80513	311	7.1	9.0	10.3	91	5380	508	7380
JAN											
16...	1300	80513	80513	108	6.9	2.0	11.6	84	13500	133	4860
FEB											
13...	0815	80513	80513	275	7.6	8.0	9.6	83	3490	236	2220
MAR											
13...	0800	80513	80513	410	8.2	11.0	10.4	97	1830	54	267
APR											
11...	0810	80513	80513	420	7.9	18.0	8.6	91	1800	140	680
MAY											
08...	0750	80513	80513	305	7.3	19.0	8.4	91	3090	123	1030
JUN											
05...	0730	80513	80513	385	7.4	25.5	6.9	85	3610	155	1510
JUL											
16...	1010	80513	80513	292	7.5	28.0	6.0	77	1320	129	460
AUG											
21...	0920	80513	80513	467	7.4	24.5	7.8	94	612	114	188
SEP											
17...	0840	80513	80513	402	7.3	27.0	7.2	91	362	59	58

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT											
24...	0915	96	97	100	--	--	11	46	97	100	--
NOV											
28...	0805	74	90	92	100	--	4	12	84	96	100
DEC											
18...	1200	91	98	99	100	--	13	27	92	99	100
JAN											
16...	1300	76	78	91	100	--	1	1	2	57	100
FEB											
13...	0815	57	61	77	99	100	1	2	68	99	100
MAR											
13...	0800	99	100	--	--	--	6	8	14	95	100
APR											
11...	0810	96	97	99	100	--	10	18	40	86	100
MAY											
08...	0750	96	99	100	--	--	3	4	70	92	100
JUN											
05...	0730	96	99	100	--	--	5	8	36	70	100
JUL											
16...	1010	99	100	--	--	--	25	60	98	100	--
AUG											
21...	0920	92	99	99	100	--	32	60	93	99	100
SEP											
17...	0840	98	98	99	100	--	10	34	91	98	100

07047800 ST. FRANCIS RIVER AT PARKIN, ARKANSAS

(National stream-quality accounting network station)

LOCATION.--Lat 35°16'23", long 90°33'33", in NE¼SE¼ sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1982, and October 1985-89, 91 in reports of Geological Survey. January 1930 to date in reports of Mississippi River Commission. Gage-height records since 1892 in reports of Mississippi River Commission and National Weather Service.

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

REMARKS.--The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 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 (station 07047900) and returns to the St. Francis River downstream from Marianna. Some regulation since Apr. 1, 1941, by Wappapello Lake (Missouri) 207 mi upstream, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

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

AVERAGE DISCHARGE.--57 years (1931-82, 86-89, 91), 2,712 ft^3/s, 1,965,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft^3/s Jan. 31, 1930; maximum gage height, 34.2 ft Feb. 4-6, 1937, backwater from Mississippi River; minimum discharge, 158 ft^3/s Oct. 3, 1990.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,300 ft^3/s Apr. 16; maximum gage height, 23.84 ft Dec. 23; minimum discharge, 158 ft^3/s Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	339	1040	11800	875	1320	2930	12000	2910	2130	1470	709
2	166	324	593	11200	919	2800	2560	11400	2780	2040	1490	512
3	171	316	659	10200	948	3370	2110	10100	2710	2030	1480	417
4	675	306	1200	8660	985	2780	2610	8440	3350	2090	1470	392
5	1340	309	1340	6840	1540	1750	3150	6710	3430	2460	1450	531
6	1960	317	971	6760	5460	1200	2760	5190	3030	2510	1410	760
7	2200	318	611	8840	7360	1040	2200	3780	2510	2320	1390	1420
8	3260	314	470	9760	7680	949	1940	2620	2240	2130	1430	1440
9	5120	356	399	9940	7000	854	2920	2070	2130	2000	1450	962
10	7070	679	367	9920	5660	774	4880	2480	2020	1900	1660	560
11	7950	826	356	9830	3840	718	4500	2860	1920	1830	2280	474
12	7980	667	346	9430	2230	695	4440	3770	1890	1800	1830	427
13	7410	501	344	8590	1870	707	6770	5700	1960	1880	1100	359
14	6550	393	316	7280	4060	702	10300	7640	2270	2050	734	310
15	5390	333	302	6020	4980	694	12700	8540	2760	2160	603	295
16	4140	307	291	5190	4480	686	13300	8500	3050	2150	550	283
17	3200	291	721	4720	3210	690	13000	7740	2900	2040	535	276
18	2620	281	5830	4250	3050	703	12600	6540	2610	1930	649	294
19	1980	281	9420	3760	4760	699	12500	5530	2420	1850	676	311
20	1260	281	10400	3330	5770	695	11700	4740	2380	1860	588	288
21	743	280	11400	2900	5480	688	10500	4140	2390	1860	514	266
22	622	308	12900	2460	4350	669	8580	3730	2740	1820	451	250
23	843	345	13200	2010	2890	623	6430	3430	3830	1780	432	248
24	972	319	12900	1590	1830	579	4630	3240	4270	1740	451	261
25	772	308	12400	1220	1390	546	3230	3400	4310	1870	431	275
26	572	300	11600	973	1200	575	2330	4780	4190	2030	396	284
27	482	295	11200	866	1080	1170	4460	5510	3700	1780	380	256
28	441	826	11400	840	982	1600	7760	5000	3120	1600	437	234
29	412	1770	11200	832	---	1900	10900	4070	2720	1520	1060	214
30	381	1680	11400	845	---	2840	12000	3450	2400	1480	1480	215
31	356	---	12000	849	---	3010	---	3110	---	1470	1110	---
TOTAL	77211	14170	167576	171705	95879	38026	200690	170210	84940	60110	31387	13523
MEAN	2491	472	5406	5539	3424	1227	6690	5491	2831	1939	1012	451
MAX	7980	1770	13200	11800	7680	3370	13300	12000	4310	2510	2280	1440
MIN	166	280	291	832	875	546	1940	2070	1890	1470	380	214
AC-FT	153100	28110	332400	340600	190200	75420	398100	337600	168500	119200	62260	26820

WTR YR 1991 TOTAL 1125427 MEAN 3083 MAX 13300 MIN 166 AC-FT 2232000

07047800 ST. FRANCIS RIVER AT PARKIN, ARKANSAS--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Lat 35°16'23", long 90°33'33", in NE¼SE¼ sec.33, T.8 N., R.5 E., Cross County, Hydrologic unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River and at mile 102.0

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

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to September 1981.
WATER TEMPERATURES: January 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT											
30.	1150	80513	80020	367	7.8	12.0	10.2	94	331	23	230
DEC											
03.	1300	80513	80020	250	7.6	11.0	6.9	63	556	130	1100
FEB											
04.	1130	80513	80020	415	8.0	5.0	10.6	83	831	25	K27

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT											
30.	1150	820	150	13	43	11	7.6	9	0.3	4.1	138
DEC											
03.	1300	4600	110	15	31	8.2	6.6	11	0.3	4.9	96
FEB											
04.	1130	K60	210	5	62	14	9.6	9	0.3	2.6	205

DATE	TIME	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT											
30.	1150	0	170	139	22	7.3	0.30	15	194	194	173
DEC											
03.	1300	0	118	97	20	5.4	0.10	12	140	149	210
FEB											
04.	1130	0	253	207	26	7.1	0.20	20	259	267	581

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT											
30.	1150	0.26	--	0.020	<0.010	<0.100	<0.100	0.020	<0.010	0.38	0.40
DEC											
03.	1300	0.19	0.390	0.020	0.010	0.500	0.400	0.050	0.050	1.2	1.2
FEB											
04.	1130	0.35	--	0.020	<0.010	0.100	0.100	<0.010	<0.010	--	0.70

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
30.	1150	0.150	0.050	0.090	0.040	--	--	--	--	--
DEC										
03.	1300	0.290	0.040	0.060	0.050	90	<1	110	<0.5	<1.0
FEB										
04.	1130	0.140	0.030	0.060	0.040	<10	2	250	<0.5	2.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC										
03.	1300	<1	<3	5	69	1	6	63	<0.1	<10
FEB										
04.	1130	<1	<3	4	7	<1	8	100	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
30.	1150	--	--	--	--	--	--	50	45	98
DEC										
03.	1300	3	<1	<1.0	130	<6	8	195	293	99
FEB										
04.	1130	2	<2	<1.0	240	<6	10	41	92	99

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
APR											
01...	1150	80513	80513	369	1.00	7.00	264	7.8	13.0	9.5	89
01...	1152	80513	80513	369	6.00	7.00	265	7.7	13.0	9.6	90
01...	1154	80513	80513	347	1.50	8.00	264	7.8	13.0	9.2	87
01...	1156	80513	80513	347	6.50	8.00	264	7.8	13.0	9.2	87
01...	1157	80513	80513	325	2.00	9.00	264	7.8	13.0	9.2	87
01...	1158	80513	80513	325	7.00	9.00	264	7.8	13.0	9.2	87
01...	1200	80513	80513	303	2.00	9.00	264	7.8	13.0	9.2	87
01...	1201	80513	80513	303	7.00	9.00	264	7.8	13.0	9.2	87
01...	1202	80513	80513	281	2.00	10.0	264	7.8	13.0	9.2	87
01...	1203	80513	80513	281	8.00	10.0	263	7.8	13.0	9.2	87
01...	1204	80513	80513	259	2.00	9.00	264	7.8	13.0	9.2	87
01...	1205	80513	80513	259	7.00	9.00	264	7.8	13.0	9.2	86
01...	1207	80513	80513	237	2.50	12.0	264	7.8	13.0	9.2	87
01...	1208	80513	80513	237	9.50	12.0	264	7.8	13.0	9.2	86
01...	1210	80513	80513	215	2.00	11.0	264	7.8	13.0	9.2	86
01...	1211	80513	80513	215	9.00	11.0	263	7.8	13.0	9.2	86
01...	1213	80513	80513	193	2.00	10.0	264	7.8	13.0	9.2	86
01...	1214	80513	80513	193	8.00	10.0	264	7.8	13.0	9.2	87
01...	1216	80513	80513	171	1.50	7.00	264	7.8	13.0	9.2	87
01...	1217	80513	80513	171	5.50	7.00	263	7.8	13.0	9.2	87
01...	1220	80513	80020	--	--	--	265	7.8	13.0	9.2	87
JUN											
25...	1025	80513	80020	--	--	--	230	7.5	27.0	5.1	64
AUG											
14...	1110	80513	80020	--	--	--	275	7.4	25.0	5.3	64

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
APR										
01...	1220	3260	130	460	1700	110	9	30	7.9	6.3
JUN										
25...	1025	4730	53	230	5300	99	14	28	7.1	5.6
AUG										
14...	1110	759	75	K10	310	140	8	38	11	8.2

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR										
01...	1220	11	0.3	3.1	99	0	120	98	15	4.6
JUN										
25...	1025	11	0.2	2.9	84	0	104	85	12	6.7
AUG										
14...	1110	11	0.3	3.2	131	0	162	133	14	4.1

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
APR										
01...	1220	0.20	10	145	142	1280	0.20	1.26	0.130	0.040
JUN										
25...	1025	0.20	12	135	130	1720	0.18	0.820	0.060	0.050
AUG										
14...	1110	0.20	15	187	176	383	0.25	0.430	0.050	0.050

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
APR										
01...	1220	1.70	1.30	0.250	0.170	1.7	1.9	--	0.370	0.050
JUN										
25...	1025	1.00	0.870	0.090	0.110	0.91	1.0	--	0.300	0.110
AUG										
14...	1110	0.490	0.480	0.060	0.060	1.2	1.3	0.60	0.290	0.100

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
APR										
01...	1220	0.160	0.050	--	--	--	--	--	--	--
JUN										
25...	1025	0.100	0.090	40	2	85	<0.5	<1.0	<1	<3
AUG										
14...	1110	0.090	0.070	<10	2	140	<0.5	<1.0	<1	<3

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
JUN									
25...	1025	1	42	<1	5	2	<0.1	<10	2
AUG									
14...	1110	3	11	<1	4	3	<0.1	<10	1

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR									
01...	1220	--	--	--	--	--	294	2590	96
JUN									
25...	1025	<1	<1.0	110	<6	10	533	6810	97
AUG									
14...	1110	<1	<1.0	170	<6	16	158	324	97

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, ARKANSAS

LOCATION.--Lat 35°32′15", long 90°29′05", in SE¼NE¼ sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi northwest of Marked Tree.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)
NOV									
28...	1015	80513	80513	336	7.1	15.0	8.7	87	1120
DEC									
19...	0800	80513	80513	227	6.8	9.0	10.8	94	5800
19...	0820	80513	80513	--	--	9.0	--	--	1240
19...	0835	80513	80513	--	--	9.0	--	--	24
19...	0850	80513	80513	--	--	9.0	--	--	153
JAN									
16...	1430	80513	80513	108	7.2	2.0	11.2	82	13200
16...	1500	80513	80513	96	7.4	2.0	11.2	82	5500
16...	1530	80513	80513	--	--	2.0	--	--	5800
16...	1600	80513	80513	--	--	2.0	--	--	5100
16...	1630	80513	80513	--	--	2.0	--	--	1260
FEB									
13...	1030	80513	80513	182	7.6	8.0	10.4	90	9270
13...	1100	80513	80513	182	7.6	8.0	10.2	88	511
13...	1130	80513	80513	--	--	8.0	--	--	3200
13...	1200	80513	80513	--	--	8.0	--	--	247
13...	1230	80513	80513	--	--	8.0	--	--	187
MAR									
13...	1030	80513	80513	305	8.0	10.5	9.8	90	3580
13...	1100	80513	80513	--	--	10.5	--	--	532
APR									
11...	1045	80513	80513	200	7.4	17.0	7.8	81	4430
11...	1115	80513	80513	--	--	17.0	--	--	726
MAY									
08...	1000	80513	80513	166	7.2	19.0	6.4	69	8580
08...	1050	80513	80513	--	--	19.0	--	--	2960
08...	1115	80513	80513	--	--	19.0	--	--	248
08...	1135	80513	80513	--	--	19.0	--	--	184
JUN									
05...	0945	80513	80513	270	7.1	26.0	7.0	87	6970
05...	1020	80513	80513	--	--	26.0	--	--	1250

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV									
28...	1015	--	33	100	93	95	96	100	--
DEC									
19...	0800	67	301	4710	98	100	--	--	--
19...	0820	68	260	870	99	100	--	--	--
19...	0835	68	75	4.9	98	99	100	--	--
19...	0850	68	86	36	99	100	--	--	--
JAN									
16...	1430	67	79	2820	74	76	89	96	100
16...	1500	68	80	1190	95	99	99	100	--
16...	1530	68	74	1160	99	99	100	--	--
16...	1600	68	83	1140	100	--	--	--	--
16...	1630	68	174	592	100	--	--	--	--
FEB									
13...	1030	67	132	3300	58	65	76	98	100
13...	1100	68	67	92	92	92	93	100	--
13...	1130	68	128	1110	90	90	96	100	--
13...	1200	68	189	126	98	99	99	100	--
13...	1230	68	157	79	96	96	97	100	--
MAR									
13...	1030	67	59	570	88	93	95	100	--
13...	1100	68	52	75	96	96	98	100	--
APR									
11...	1045	67	155	1850	95	96	97	100	--
11...	1115	68	110	216	94	96	98	100	--
MAY									
08...	1000	67	144	3340	96	98	99	100	--
08...	1050	68	108	863	97	98	98	100	--
08...	1115	68	122	82	99	99	100	--	--
08...	1135	68	115	57	99	99	99	99	100
JUN									
05...	0945	67	127	2390	92	95	97	100	--
05...	1020	68	149	503	93	100	--	--	--

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
NOV									
28...	1015	9	22	74	96	100	--	--	--
DEC									
19...	0800	8	25	80	96	100	--	--	--
19...	0820	2	3	60	98	100	--	--	--
19...	0835	2	3	50	98	100	--	--	--
19...	0850	4	6	52	97	100	--	--	--
JAN									
16...	1430	1	4	50	97	100	--	--	--
16...	1500	20	35	65	92	100	--	--	--
16...	1530	0	0	7	93	100	--	--	--
16...	1600	14	19	53	91	100	--	--	--
16...	1630	34	36	44	86	100	--	--	--
FEB									
13...	1030	2	4	88	99	100	--	--	--
13...	1100	71	85	95	99	100	--	--	--
13...	1130	5	6	14	84	98	98	100	--
13...	1200	19	23	48	82	94	94	100	--
13...	1230	33	38	56	86	100	--	--	--
MAR									
13...	1030	2	8	96	99	100	--	--	--
13...	1100	1	1	59	99	100	--	--	--
APR									
11...	1045	1	2	48	97	100	--	--	--
11...	1115	1	2	53	97	100	--	--	--
MAY									
08...	1000	20	44	79	94	100	--	--	--
08...	1050	3	4	26	94	100	--	--	--
08...	1115	12	16	29	45	55	55	70	100
08...	1135	67	72	83	97	100	--	--	--
JUN									
05...	0945	8	36	94	99	100	--	--	--
05...	1020	3	4	55	96	100	--	--	--

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, ARKANSAS

LOCATION.--Lat 35°21'38", long 90°39'00", in NE¼SE¼ sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 2.3 mi east of Birdeye.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TEMPERATURE WATER (DEG C) (00010)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV										
28...	1105	80513	80513	13.0	1120	--	1760	5320	96	97
DEC										
19...	0955	80513	80513	8.5	6490	--	205	3590	97	100
JAN										
17...	0830	80513	80513	2.0	21500	67	69	4010	90	91
17...	0900	80513	80513	2.0	8090	68	67	1460	99	100
FEB										
13...	1415	80513	80513	8.0	13400	--	225	8140	60	66
MAR										
13...	1300	80513	80513	10.5	4190	--	61	690	83	87
APR										
11...	1315	80513	80513	17.0	5150	--	102	1420	81	88
MAY										
08...	1330	80513	80513	19.0	12700	--	303	0400	41	43
JUN										
05...	1215	80513	80513	26.0	7210	--	128	2490	69	76

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
28...	1105	98	100	--	0	1	53	98	100
DEC									
19...	0955	--	--	--	1	1	42	97	100
JAN									
17...	0830	95	100	--	5	5	8	79	100
17...	0900	--	--	--	96	96	96	100	--
FEB									
13...	1415	96	100	--	1	1	64	99	100
MAR									
13...	1300	97	100	--	1	2	78	99	100
APR									
11...	1315	95	100	--	1	1	51	98	100
MAY									
08...	1330	61	99	100	17	17	74	99	100
JUN									
05...	1215	94	100	--	1	2	58	99	100

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARKANSAS

(National stream-quality accounting network station)

LOCATION.--Lat 35°15'34", long 90°40'48", in W½ sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

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

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--52 years (1936-75, 78-82, 85-91), 5,467 ft^3/s, 3,961,000 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,500 ft^3/s Jan. 13; maximum gage height, 34.04 ft, Jan. 11, 12; minimum discharge, 231 ft^3/s Aug. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	738	1170	1520	27800	10100	6800	8620	21000	11300	2500	496	1260
2	732	1090	1300	27500	9560	7290	8350	19300	10600	2340	442	1140
3	717	1400	2150	27400	9000	7330	7980	18300	9680	1880	408	1020
4	945	1460	2680	26900	8620	6750	8260	18200	8750	1720	358	1060
5	938	1400	2990	26500	8760	6980	8350	18200	8170	1810	309	1190
6	926	1340	3170	26900	10000	6880	7960	17700	7720	1660	253	1490
7	1040	1260	2650	27700	10400	6090	7920	16600	7230	1350	314	1730
8	2640	1220	2660	28000	10900	5270	8280	15300	6790	1170	259	2110
9	6050	1260	2540	28000	12000	4240	9470	13700	6150	1120	233	2260
10	9270	1440	2510	28400	13000	3590	8620	12100	5680	1020	434	1970
11	9610	1450	2740	28900	13700	2990	7210	10700	5380	908	991	1700
12	8310	1580	2760	29300	13800	2610	7610	9710	5390	706	942	1630
13	7700	1500	2730	29300	13900	2540	10300	10700	5400	741	1210	1290
14	7820	1320	2770	29000	14100	2570	15900	11700	6370	981	1200	1230
15	7790	1330	3170	28800	12900	2570	17200	12100	7700	1890	1070	1170
16	6970	1300	3500	28600	12400	2540	16500	12800	8260	1230	910	1080
17	5420	1420	4930	28200	12500	2790	16000	13700	8400	972	771	921
18	4120	1750	10700	27700	12700	3050	17500	14200	7960	761	962	921
19	3640	1350	12500	27100	12900	3340	20600	14500	6560	617	1060	913
20	3230	1100	12500	26500	12200	3650	20900	14700	6130	609	1400	910
21	2880	1270	13900	25800	10900	3120	20300	14800	4740	598	1070	891
22	2640	1380	17400	24900	9940	2780	20600	14600	4460	576	966	815
23	2420	1440	19100	24000	9080	2950	21100	14300	3960	518	983	812
24	2270	1480	19500	22900	8290	3520	21200	13900	3860	459	982	823
25	2120	1470	19800	21500	7610	4700	20700	14100	4780	513	993	822
26	1930	1530	21700	19700	7150	5350	19500	13900	5220	572	996	955
27	1730	1360	23700	17700	6810	6380	20200	13100	5130	613	954	867
28	1710	1510	25200	15600	6610	7080	20800	13000	4640	606	1070	714
29	1610	1970	26100	13700	---	7710	22200	12900	4320	580	1480	686
30	1300	2180	27300	12100	---	8280	21900	12500	3240	550	1430	720
31	1210	---	27900	10800	---	8590	---	11900	---	536	1410	---
TOTAL	110426	42730	324070	767200	299830	150330	442030	444210	193970	32106	26356	35100
MEAN	3562	1424	10450	24750	10710	4849	14730	14330	6466	1036	850	1170
MAX	9610	2180	27900	29300	14100	8590	22200	21000	11300	2500	1480	2260
MIN	717	1090	1300	10800	6610	2540	7210	9710	3240	459	233	686
AC-FT	219000	84750	642800	1522000	594700	298200	876800	881100	384700	63680	52280	69620

CAL YR 1990 TOTAL 2822162 MEAN 7732 MAX 27900 MIN 717 AC-FT 5598000
WTR YR 1991 TOTAL 2868358 MEAN 7859 MAX 29300 MIN 233 AC-FT 5689000

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to September 1981.
WATER TEMPERATURES: October 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
24.	1300	80513	80513	--	2450	258	7.8	13.0	--	7.7	73
30.	1000	80513	80020	--	1350	326	8.0	12.0	9.0	10.3	95
NOV											
28.	1145	80513	80513	--	1290	345	7.1	14.5	--	10.4	102
DEC											
03.	1400	80513	80020	--	2070	320	7.9	11.0	0.30	7.2	66
19.	1120	80513	80513	--	12500	207	6.7	9.5	--	8.3	73
JAN											
17.	1000	80513	80513	67	26100	106	6.9	2.0	--	11.0	79
17.	1030	80513	80513	68	2770	73	6.8	2.0	--	10.7	77
FEB											
04.	1330	80513	80020	--	11500	185	7.4	5.0	22	10.9	85
14.	0940	80513	80513	--	15900	197	7.6	8.5	--	10.4	90
MAR											
13.	1400	80513	80513	--	4540	326	8.0	11.0	--	10.0	92

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT											
24.	1300	760	--	--	--	--	--	--	--	--	--
30.	1000	768	K40	K100	150	17	42	11	7.8	10	0.3
NOV											
28.	1145	766	--	--	--	--	--	--	--	--	--
DEC											
03.	1400	758	K400	4200	150	22	42	12	9.1	11	0.3
19.	1120	760	--	--	--	--	--	--	--	--	--
JAN											
17.	1000	765	--	--	--	--	--	--	--	--	--
17.	1030	765	--	--	--	--	--	--	--	--	--
FEB											
04.	1330	765	K17	92	83	10	22	6.7	3.8	9	0.2
14.	0940	751	--	--	--	--	--	--	--	--	--
MAR											
13.	1400	749	--	--	--	--	--	--	--	--	--

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT											
30.	1000	2.3	133	0	162	133	23	8.3	0.30	15	192
DEC											
03.	1400	3.4	129	0	162	133	24	11	0.20	13	193
FEB											
04.	1330	1.9	72	--	89	73	12	4.9	<0.10	10	106

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT											
30.	1000	189	700	0.26	--	<0.010	<0.010	<0.100	<0.100	0.010	<0.010
DEC											
03.	1400	195	1080	0.26	0.090	0.030	0.010	0.100	0.100	0.050	0.050
FEB											
04.	1330	106	3290	0.14	--	0.010	<0.010	0.100	0.100	0.030	0.030

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT											
30.	1000	0.39	0.40	0.100	0.050	0.060	0.040	--	--	--	--
DEC											
03.	1400	0.45	0.50	0.170	0.030	0.110	0.060	30	1	170	<0.5
FEB											
04.	1330	0.37	0.40	0.080	0.020	0.040	0.030	60	<1	94	<0.5

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC											
03.	1400	1.0	<1	<3	3	24	1	7	10	<0.1	<10
FEB											
04.	1330	4.0	<1	<3	5	68	<1	<4	20	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
24.	1300	--	--	--	--	--	--	94	622	--
30.	1000	--	--	--	--	--	--	15	55	92
NOV										
28.	1145	--	--	--	--	--	--	125	435	--
DEC										
03.	1400	1	<1	<1.0	160	<6	8	62	347	95
19.	1120	--	--	--	--	--	--	345	11600	--
JAN										
17.	1000	--	--	--	--	--	--	79	5570	--
17.	1030	--	--	--	--	--	--	68	509	--
FEB										
04.	1330	2	<1	<1.0	67	<6	43	66	2050	46
14.	0940	--	--	--	--	--	--	150	6440	--
MAR										
13.	1400	--	--	--	--	--	--	84	1030	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
24.	1300	69	75	95	100	1	1	57	97	100
NOV										
28.	1145	57	61	79	100	0	1	31	96	100
DEC										
19.	1120	58	61	90	100	1	1	24	92	100
JAN										
17.	1000	82	83	92	100	1	1	28	99	100
17.	1030	98	98	99	100	10	14	23	58	100
FEB										
14.	0940	83	87	98	100	0	0	61	99	100
MAR										
13.	1400	81	85	98	100	1	2	71	98	100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
APR											
01...	1300	80513	80513	1270	2.00	10.0	179	7.6	12.5	9.3	88
01...	1301	80513	80513	1270	8.00	10.0	179	7.7	12.5	9.5	90
01...	1303	80513	80513	1240	2.00	10.0	178	7.6	12.5	9.1	86
01...	1304	80513	80513	1240	8.00	10.0	178	7.5	12.5	9.1	86
01...	1306	80513	80513	1210	2.50	12.0	178	7.5	12.5	9.0	85
01...	1307	80513	80513	1210	9.50	12.0	178	7.5	12.5	9.0	85
01...	1309	80513	80513	1180	2.50	13.0	178	7.6	12.5	9.0	85
01...	1310	80513	80513	1180	10.5	13.0	178	7.5	12.5	9.0	84
01...	1312	80513	80513	1150	2.00	10.0	180	7.5	12.5	8.9	84
01...	1313	80513	80513	1150	8.00	10.0	180	7.5	12.5	9.0	84
01...	1315	80513	80513	1120	2.00	11.0	181	7.6	12.5	8.9	84
01...	1316	80513	80513	1120	9.00	11.0	181	7.5	12.5	8.9	84
01...	1318	80513	80513	1090	2.50	12.0	183	7.6	12.5	8.9	84
01...	1319	80513	80513	1090	9.50	12.0	184	7.5	12.5	9.0	85
01...	1321	80513	80513	1060	2.00	10.0	187	7.6	12.5	9.0	84
01...	1322	80513	80513	1060	8.00	10.0	186	7.5	12.5	9.0	85
01...	1324	80513	80513	1030	2.00	10.0	188	7.6	12.5	9.0	84
01...	1325	80513	80513	1030	8.00	10.0	186	7.4	12.5	9.0	85
01...	1327	80513	80513	995	2.00	10.0	190	7.5	12.5	9.0	85
01...	1328	80513	80513	995	8.00	10.0	191	7.4	12.5	9.0	85
01...	1330	80513	80020	--	--	--	182	7.6	12.5	9.5	90
11...	1415	80513	80513	--	--	--	195	7.3	17.0	7.7	80
MAY											
08...	1435	80513	80513	--	--	--	182	7.7	19.0	7.4	80
JUN											
05...	1315	80513	80513	--	--	--	255	7.0	27.5	7.3	93
25...	1200	80513	80020	--	--	--	245	7.4	27.0	6.2	78
JUL											
16...	1345	80513	80513	--	--	--	341	7.4	28.0	8.6	110
AUG											
14...	1245	80513	80020	--	--	--	370	7.6	24.0	7.4	88
21...	1400	80513	80513	--	--	--	358	7.4	25.0	8.0	97
SEP											
17...	1300	80513	80513	--	--	--	285	7.4	28.0	8.0	103

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
APR										
01.	1330	9750	180	110	200	70	2	18	6.0	4.3
11.	1415	5740	--	--	--	--	--	--	--	--
MAY										
08.	1435	16200	--	--	--	--	--	--	--	--
JUN										
05.	1315	6900	--	--	--	--	--	--	--	--
25.	1200	4230	130	130	560	110	11	30	8.5	6.0
JUL										
16.	1345	1300	--	--	--	--	--	--	--	--
AUG										
14.	1245	1320	29	K10	92	190	28	52	14	13
21.	1400	1060	--	--	--	--	--	--	--	--
SEP										
17.	1300	775	--	--	--	--	--	--	--	--

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR										
01.	1330	11	0.2	2.2	67	0	83	68	10	5.6
JUN										
25.	1200	10	0.2	2.2	96	0	121	99	13	7.2
AUG										
14.	1245	13	0.4	2.3	160	0	195	160	20	9.4

DATE	TIME	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
APR										
01.	1330	<0.10	7.6	95	96	2500	0.13	0.300	0.090	0.020
JUN										
25.	1200	0.30	14	136	144	1550	0.18	0.500	0.080	0.040
AUG										
14.	1245	0.20	18	239	226	852	0.33	--	<0.010	<0.010

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
APR										
01.	1330	0.400	0.320	0.130	0.060	0.97	1.1	--	0.280	0.050
JUN										
25.	1200	0.600	0.540	0.070	0.080	0.33	0.40	--	0.420	0.110
AUG										
14.	1245	<0.050	<0.050	0.020	<0.010	0.58	0.60	0.20	0.210	0.110

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
APR										
01.	1330	0.160	0.040	--	--	--	--	--	--	--
JUN										
25.	1200	0.070	0.090	30	2	120	<0.5	<1.0	<1	<3
AUG										
14.	1245	0.100	0.090	10	3	220	<0.5	<1.0	<1	<3

DATE	TIME	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
JUN										
25.	1200	3	25	2	<4	2	<0.1	<10	1	<1
AUG										
14.	1245	2	38	<1	<4	5	<0.1	<10	1	<1

DATE	TIME	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
APR										
01.	1330	--	--	--	--	190	5000	82	--	--
11.	1415	--	--	--	--	113	1750	--	90	93
MAY										
08.	1435	--	--	--	--	240	10500	--	34	39
JUN										
05.	1315	--	--	--	--	216	4020	--	65	70
25.	1200	<1.0	100	<6	<3	341	3890	88	--	--
JUL										
16.	1345	--	--	--	--	101	355	--	96	98
AUG										
14.	1245	<1.0	200	<6	11	77	274	84	--	--
21.	1400	--	--	--	--	118	338	--	86	88
SEP										
17.	1300	--	--	--	--	80	167	--	96	97

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
APR									
11.	1415	94	100	--	1	2	47	95	100
MAY									
08.	1435	67	99	100	3	4	43	94	100
JUN									
05.	1315	90	99	100	1	1	65	99	100
JUL									
16.	1345	100	--	--	1	1	31	97	100
AUG									
21.	1400	96	100	--	1	2	48	99	100
SEP									
17.	1300	99	100	--	1	1	35	96	100

07047904 CLARK CORNER CUTOFF NEAR COLT, ARKANSAS

LOCATION.--Lat 35 08'41", long 90 39'23", in NW¼NE¼ sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 080203, at bridge on Old Military Road 9.0 mi east of Colt.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	TEMPER-ATURE WATER (DEG C) (00010)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV									
29...	0830	80513	80513	11.5	2140	169	976	94	97
DEC									
19...	1350	80513	80513	9.5	13800	359	3400	71	87
JAN									
18...	0900	80513	80513	2.0	13700	64	5820	78	80
FEB									
14...	1200	80513	80513	8.5	17000	175	8030	80	88
MAR									
14...	0900	80513	80513	9.5	4950	110	1470	93	98
APR									
12...	0945	80513	80513	16.0	6420	154	2670	96	98
MAY									
09...	0800	80513	80513	19.0	14400	237	9210	74	84
JUN									
05...	1530	80513	80513	26.0	8710	230	5410	83	91

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
NOV									
29...	0830	98	100	--	10	46	94	99	100
DEC									
19...	1350	99	100	--	7	24	59	89	100
JAN									
18...	0900	98	100	--	2	3	43	99	100
FEB									
14...	1200	98	100	--	3	3	54	99	100
MAR									
14...	0900	99	100	--	2	13	95	99	100
APR									
12...	0945	98	100	--	14	35	91	99	100
MAY									
09...	0800	97	100	--	42	79	99	99	100
JUN									
05...	1530	97	99	100	1	2	8	59	100

07047907 ST. FRANCIS RIVER AT MADISON, ARKANSAS

LOCATION.--Lat 35°00'38", long 90°43'05", in NE¼SW¼ 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT								
02...	0955	9827	9827	--	7.9	20.0	6.3	0.8
25...	0815	80513	80513	2410	7.4	12.0	9.6	--
30...	0920	9827	9827	1900	8.2	14.0	9.9	2.3
NOV								
27...	0910	9827	9827	1770	8.3	17.0	9.0	1.9
29...	0930	80513	80513	1880	7.3	12.0	10.0	--
DEC								
19...	1530	80513	80513	12200	6.6	9.0	7.9	--
JAN								
01...	1250	9827	9827	33000	7.4	3.0	11.4	1.7
17...	1430	80513	80513	35400	8.3	2.0	10.8	--
FEB								
05...	0918	9827	9827	11000	7.9	9.0	10.7	0.7
14...	1300	80513	80513	15500	7.5	9.0	10.2	--
MAR								
14...	0800	80513	80513	4860	8.4	10.0	10.0	--
19...	1247	9827	9827	--	8.2	14.0	10.7	1.8
APR								
02...	1232	9827	9827	6100	7.6	14.0	8.9	1.8
12...	1145	80513	80513	6140	7.4	17.0	8.9	--
30...	1455	9827	9827	25500	7.5	20.0	6.6	1.7
MAY								
09...	0920	80513	80513	14100	7.1	18.5	6.6	--
JUN								
04...	0920	9827	9827	10000	7.7	--	9.5	5.2
06...	0700	80513	80513	7920	7.4	26.5	5.4	--
JUL								
16...	1327	9827	9827	--	7.9	30.0	8.7	2.4
17...	0745	80513	80513	1320	7.3	28.0	7.2	--
30...	1235	9827	9827	1120	8.4	27.0	9.0	3.5
AUG								
22...	0800	80513	80513	1230	7.8	24.0	6.5	--
SEP								
10...	0816	9827	9827	1770	8.1	27.0	6.4	1.3
18...	0745	80513	80513	902	7.7	27.5	6.6	--

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	0955	--	58	325	7	<0.020	0.110	0.090
30...	0920	19	7.3	192	39	<0.020	<0.050	0.110
NOV								
27...	0910	20	6.5	222	28	<0.020	<0.050	--
JAN								
01...	1250	8.0	5.6	141	102	0.170	<0.050	0.340
FEB								
05...	0918	10	4.1	139	37	0.160	<0.050	0.100
MAR								
19...	1247	16	6.7	200	31	<0.020	<0.050	0.130
APR								
02...	1232	11	7.1	222	98	0.370	0.190	0.360
30...	1455	8.0	5.9	163	299	0.210	--	0.540
JUN								
04...	0920	10	4.5	158	98	0.190	--	--
JUL								
16...	1327	10	34	247	9	<0.020	0.090	--
30...	1235	20	7.0	230	48	<0.020	0.050	0.210
SEP								
10...	0816	18	9.8	218	66	<0.020	<0.050	0.220

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	0955	--	9.5	<0.5	<1	<25	<2	<8
30...	0920	<0.030	6.8	<0.5	--	<25	<2	<8
NOV								
27...	0910	0.030	5.9	<0.5	<1	<25	<2	<8
JAN								
01...	1250	0.220	8.8	--	<1	<25	<2	<8
FEB								
05...	0918	<0.030	4.5	<0.5	<1	<25	<2	<8
MAR								
19...	1247	<0.030	4.4	<0.5	<1	<25	<2	--
APR								
02...	1232	0.230	9.0	<0.5	--	<25	5	--
30...	1455	0.270	12	<0.5	<1	<25	<2	<8
JUN								
04...	0920	0.080	7.5	<0.5	<1	<25	<2	<8
JUL								
16...	1327	0.050	8.8	<0.5	<1	<25	<2	<8
30...	1235	0.060	4.4	<0.5	<1	<25	<2	<8
SEP								
10...	0816	0.080	6.9	<0.5	<1	<25	<2	<8

DATE	TIME	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT									
25...	0815	120	781	97	98	99	100	--	2
NOV									
29...	0930	92	467	95	96	100	--	--	11
DEC									
19...	1530	512	16900	42	65	97	99	100	1
JAN									
17...	1430	78	7460	92	94	98	100	--	0
FEB									
14...	1300	214	8960	71	88	98	100	--	2
MAR									
14...	0800	76	997	99	99	100	--	--	1
APR									
12...	1145	87	1440	85	89	96	99	100	3
MAY									
09...	0920	104	3960	92	96	99	100	--	1
JUN									
06...	0700	443	9470	98	100	--	--	--	1
JUL									
17...	0745	99	353	98	99	100	--	--	40
AUG									
22...	0800	159	528	98	99	100	--	--	25
SEP									
18...	0745	108	263	99	99	100	--	--	32

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT									
25...	0815	4	27	72	100	--	--	--	--
NOV									
29...	0930	21	40	73	100	--	--	--	--
DEC									
19...	1530	2	9	73	100	--	--	--	--
JAN									
17...	1430	0	10	95	100	--	--	--	--
FEB									
14...	1300	6	73	88	100	--	--	--	--
MAR									
14...	0800	2	70	99	100	--	--	--	--
APR									
12...	1145	4	29	40	60	61	71	92	100
MAY									
09...	0920	1	18	42	61	61	76	100	--
JUN									
06...	0700	2	12	21	31	31	40	72	100
JUL									
17...	0745	63	87	96	100	--	--	--	--
AUG									
22...	0800	39	55	93	100	--	--	--	--
SEP									
18...	0745	52	76	94	100	--	--	--	--

07047942 L'ANGUILLE RIVER NEAR COLT, ARKANSAS

LOCATION.--Lat 35°08'40", long 90°52'40", in NE¼NW¼ sec.15, T.6 N.,R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--21 years, 782 ft^3/s, 19.85 in/yr, 566,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,600 ft^3/s Apr. 29, 1991; maximum gage height, 17.34 ft (from floodmark), Dec. 30, 1987; minimum discharge, 0.99 ft^3/s July 20, 1980, gage height, 2.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,600 ft^3/s Apr. 29, gage height, 15.98 ft; minimum, daily, 10 ft^3/s July 17, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	459	557	4790	545	582	162	9280	533	168	67	445
2	173	394	578	4050	498	635	128	6580	480	118	69	479
3	143	323	586	3380	449	611	109	5050	423	76	71	501
4	425	258	552	2890	404	636	374	4260	379	47	72	502
5	426	236	502	2560	404	636	367	3770	319	42	79	498
6	304	211	465	4110	678	607	273	3140	264	65	64	490
7	282	177	430	5520	612	570	200	2630	214	90	53	476
8	559	150	390	5610	630	532	175	2270	169	97	52	529
9	1120	151	346	5200	650	494	672	1940	138	99	51	613
10	2850	195	302	4970	627	459	1120	1700	107	92	53	629
11	3740	162	260	5040	588	424	1050	1450	84	75	52	621
12	4130	133	221	4790	548	388	1900	1220	301	54	67	592
13	4030	107	185	4390	522	353	2970	1170	299	39	79	544
14	3740	80	152	3950	522	323	5360	1000	276	e25	90	487
15	3370	60	128	3500	534	290	6410	907	259	e18	99	428
16	2940	49	111	3110	589	266	5790	929	228	e13	105	365
17	2560	38	298	2780	610	253	4870	872	207	e10	112	302
18	2260	26	2620	2510	612	233	4940	830	198	e10	196	244
19	1970	18	3670	2240	766	205	5210	784	180	e12	201	197
20	1700	16	4170	2000	835	176	4840	740	153	e16	237	158
21	1480	15	5220	1780	830	154	4340	676	154	e26	271	128
22	1320	41	5480	1550	834	136	3790	626	222	36	290	106
23	1130	115	4430	1330	807	120	3270	579	222	38	289	90
24	981	81	4080	1130	759	116	2810	533	195	35	277	75
25	879	62	3680	973	704	103	2440	540	221	e30	269	62
26	823	44	3360	872	648	104	2130	613	217	e31	264	52
27	770	29	3670	815	599	95	3490	680	233	36	270	43
28	712	374	4330	764	550	93	6550	725	248	50	279	31
29	649	426	4270	710	---	190	14300	716	240	66	347	21
30	584	462	5510	654	---	320	12800	655	213	72	355	13
31	520	---	5860	597	---	224	---	590	---	66	404	---
TOTAL	46774	4892	66413	88565	17354	10328	102840	57455	7376	1652	5184	9721
MEAN	1509	163	2142	2857	620	333	3428	1853	246	53.3	167	324
MAX	4130	462	5860	5610	835	636	14300	9280	533	168	404	629
MIN	143	15	111	597	404	93	109	533	84	10	51	13
AC-FT	92780	9700	131700	175700	34420	20490	204000	114000	14630	3280	10280	19280
CFSM	2.82	.30	4.00	5.34	1.16	.62	6.41	3.46	.46	.10	.31	.61
IN.	3.25	.34	4.62	6.16	1.21	.72	7.15	4.00	.51	.11	.36	.68

CAL YR 1990 TOTAL 400979 MEAN 1099 MAX 5890 MIN 15 AC-FT 795300 CFSM 2.05 IN. 27.88
WTR YR 1991 TOTAL 418554 MEAN 1147 MAX 14300 MIN 10 AC-FT 830200 CFSM 2.14 IN. 29.10

e Estimated

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
25.	0940	80513	80513	184	7.4	11.5	5.8	53	912	--	--
30.	0900	80513	80020	222	7.2	10.5	7.7	68	639	--	1.8
NOV											
28.	1300	80513	80513	122	6.4	13.0	5.3	50	379	--	--
DEC											
03.	1045	80513	80020	192	7.2	10.0	5.8	52	551	--	4.1
19.	1245	80513	80513	67	6.1	10.5	8.2	74	2930	67	--
19.	1315	80513	80513	67	6.1	10.5	8.2	74	520	68	--
JAN											
18.	1015	80513	80513	84	7.3	3.0	10.4	77	2170	67	--
18.	1045	80513	80513	82	7.1	3.0	10.5	78	380	68	--
FEB											
04.	1500	80513	80020	125	7.2	6.0	10.2	82	355	--	2.7
13.	1500	80513	80513	148	7.1	10.0	8.5	75	488	--	--
MAR											
14.	1000	80513	80513	172	7.7	8.5	8.3	72	299	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT											
30.	0900	K110	530	73	18	6.7	7.2	16	0.4	5.8	71
DEC											
03.	1045	670	2900	61	15	5.7	8.3	21	0.5	6.9	60
FEB											
04.	1500	K33	K68	43	11	3.8	4.9	19	0.3	2.9	47

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT											
30.	0900	8.8	11	<0.10	12	112	194	0.15	--	0.010	<0.010
DEC											
03.	1045	1.9	15	0.20	10	100	149	0.14	0.180	0.020	0.020
FEB											
04.	1500	7.2	5.7	<0.10	7.2	72	69.0	0.10	--	0.010	<0.010

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT											
30.	0900	<0.100	<0.100	0.030	0.020	0.57	0.60	0.130	0.070	0.080	0.050
DEC											
03.	1045	0.300	0.200	0.360	0.280	1.0	1.4	0.310	0.080	0.080	0.080
FEB											
04.	1500	0.200	0.200	0.040	0.070	0.96	1.0	0.160	0.030	0.040	0.040

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
OCT											
30.	0900	30	--	--	--	--	--	--	--	--	--
DEC											
03.	1045	10	--	--	--	--	--	--	--	--	--
FEB											
04.	1500	10	4100	1	<1	4	1	6	5700	6	190

DATE	TIME	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
25.	0940	--	--	--	--	--	41	101	--	95
30.	0900	--	--	--	--	--	16	28	82	--
NOV										
28.	1300	--	--	--	--	--	395	404	--	99
DEC										
03.	1045	--	--	--	--	--	49	73	99	--
19.	1245	--	--	--	--	--	200	1580	--	99
19.	1315	--	--	--	--	--	116	163	--	99
JAN										
18.	1015	--	--	--	--	--	65	381	--	98
18.	1045	--	--	--	--	--	42	43	--	97
FEB										
04.	1500	<1	0.10	2	<1	20	77	74	94	--
13.	1500	--	--	--	--	--	112	148	--	98
MAR										
14.	1000	--	--	--	--	--	139	112	--	99

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
25.	0940	97	98	100	--	97	98	99	100	--
NOV										
28.	1300	99	100	--	--	12	14	30	95	100
DEC										
19.	1245	99	99	99	100	92	94	94	98	100
19.	1315	99	99	99	100	94	95	96	98	100
JAN										
18.	1015	99	99	100	--	96	97	97	99	100
18.	1045	98	99	100	--	93	96	97	99	100
FEB										
13.	1500	99	99	100	--	97	99	100	--	--
MAR										
14.	1000	99	99	100	--	50	57	89	95	100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
APR											
01...	1445	80513	80513	59.0	1.80	3.00	160	7.5	15.0	8.9	89
01...	1448	80513	80513	66.0	1.80	3.00	159	7.4	15.0	8.7	86
01...	1451	80513	80513	73.0	1.00	5.00	157	7.2	15.0	8.5	85
01...	1452	80513	80513	73.0	4.00	5.00	158	7.2	15.0	8.5	85
01...	1454	80513	80513	80.0	1.00	5.00	157	7.2	14.5	8.5	84
01...	1455	80513	80513	80.0	4.00	5.00	157	7.2	15.0	8.5	85
01...	1457	80513	80513	87.0	2.40	4.00	157	7.2	15.0	8.5	84
01...	1500	80513	80513	94.0	1.00	5.00	157	7.3	14.5	8.5	84
01...	1501	80513	80513	94.0	4.00	5.00	157	7.2	14.5	8.5	84
01...	1503	80513	80513	101	2.40	4.00	157	7.2	14.5	8.4	84
01...	1506	80513	80513	108	1.00	2.00	158	7.3	14.5	8.4	84
01...	1509	80513	80513	115	2.40	4.00	157	7.3	14.5	8.4	84
01...	1512	80513	80513	122	1.00	2.00	157	7.3	14.5	8.5	84
01...	1515	80513	80020	--	--	--	158	7.3	14.5	8.5	84
12...	0815	80513	80513	--	--	--	104	6.9	15.5	5.5	55
MAY											
08...	1630	80513	80513	--	--	--	65	7.4	19.0	5.9	64
08...	1705	80513	80513	--	--	--	71	7.1	19.0	5.9	64
JUN											
06...	0815	80513	80513	--	--	--	135	7.4	26.5	3.7	46
26...	0800	80513	80020	--	--	--	275	7.4	27.0	4.1	52
JUL											
17...	0915	80513	80513	--	--	--	325	7.5	27.0	4.2	53
AUG											
15...	0830	80513	80020	--	--	--	550	7.8	24.0	5.2	62
22...	0915	80513	80513	--	--	--	447	7.5	22.0	5.6	64
SEP											
18...	0900	80513	80513	--	--	--	402	7.4	26.0	4.4	55

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAMPLE SOURCE (72005)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
APR											
01.	1515	154	--	2.3	1000	300	53	14	4.5	6.7	20
12.	0815	1340	--	--	--	--	--	--	--	--	--
MAY											
08.	1630	1690	67	--	--	--	--	--	--	--	--
08.	1705	506	68	--	--	--	--	--	--	--	--
JUN											
06.	0815	271	--	--	--	--	--	--	--	--	--
26.	0800	216	--	2.4	400	1100	--	--	--	--	--
JUL											
17.	0915	10	--	--	--	--	--	--	--	--	--
AUG											
15.	0830	100	--	--	130	300	250	58	26	28	19
22.	0915	286	--	--	--	--	--	--	--	--	--
SEP											
18.	0900	246	--	--	--	--	--	--	--	--	--

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
APR										
01.	1515	0.4	3.2	48	12	7.8	<0.10	6.1	86	35.6
JUN										
26.	0800	--	--	95	--	--	--	--	--	--
AUG										
15.	0830	0.8	2.8	260	26	23	0.30	24	346	93.4

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
APR										
01.	1515	0.12	0.510	0.080	0.030	0.640	0.540	0.140	0.070	1.1
JUN										
26.	0800	--	0.350	0.020	0.020	0.460	0.370	0.100	0.110	1.6
AUG										
15.	0830	0.47	0.280	0.020	0.020	0.330	0.300	0.060	0.070	0.74

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BORON, DIS-SOLVED (UG/L AS B) (01020)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR										
01.	1515	1.2	0.240	0.030	0.150	0.030	10	137	57	92
12.	0815	--	--	--	--	--	--	111	402	--
MAY										
08.	1630	--	--	--	--	--	--	160	730	--
08.	1705	--	--	--	--	--	--	184	251	--
JUN										
06.	0815	--	--	--	--	--	--	175	128	--
26.	0800	1.7	0.240	0.050	0.040	0.040	--	303	177	97
AUG										
15.	0830	0.80	0.260	0.090	0.120	0.110	20	118	32	96
22.	0915	--	--	--	--	--	--	272	210	--
SEP										
18.	0900	--	--	--	--	--	--	118	78	--

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
APR										
12.	0815	96	98	99	100	97	99	100	--	--
MAY										
08.	1630	96	97	98	100	94	96	97	98	100
08.	1705	98	98	99	100	98	98	98	99	100
JUN										
06.	0815	95	97	98	100	81	84	89	90	100
AUG										
22.	0915	96	100	--	--	68	68	84	89	100
SEP										
18.	0900	98	99	100	--	10	31	80	94	100

07047947 SECOND CREEK NEAR PALESTINE, ARKANSAS

LOCATION.--Lat 35°02'20", long 90°54'40", in SW¼SE¼ 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.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1025	9827	9827	0.0	8.5	22.0	9.2	2.5	180
30.	0835	9827	9827	--	7.2	11.0	2.4	1.4	110
NOV									
27.	0950	9827	9827	--	7.5	19.0	5.4	0.8	100
JAN									
01.	1327	9827	9827	--	7.1	2.0	10.0	1.6	34
FEB									
05.	0826	9827	9827	--	7.4	11.0	8.7	2.6	52
MAR									
19.	1322	9827	9827	--	7.6	18.0	8.9	2.2	58
APR									
02.	1308	9827	9827	--	7.3	17.0	8.4	2.9	44
30.	1535	9827	9827	--	6.8	20.0	3.8	1.0	28
JUN									
04.	0840	9827	9827	--	7.3	25.0	3.6	3.1	68
JUL									
16.	1249	9827	9827	60	8.2	29.0	8.9	3.0	190
30.	1157	9827	9827	0.40	8.3	27.0	9.5	5.0	250
30.	1304	9827	9827	--	8.1	27.0	7.9	3.0	270
SEP									
10.	0737	9827	9827	--	7.9	26.0	3.9	0.8	190

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1025	--	14	238	56	<0.020	<0.050	0.190
30.	0835	7.0	23	174	7	<0.020	<0.050	0.090
NOV								
27.	0950	8.0	27	164	8	<0.020	<0.050	--
JAN								
01.	1327	5.0	7.0	105	22	0.080	<0.050	0.140
FEB								
05.	0826	7.0	10	131	22	0.070	<0.050	0.140
MAR								
19.	1322	8.0	9.6	170	31	0.110	<0.050	0.190
APR								
02.	1308	5.0	6.1	139	29	<0.020	0.070	0.220
30.	1535	8.0	6.1	175	83	0.230	--	0.270
JUN								
04.	0840	11	9.3	178	76	0.170	--	--
JUL								
16.	1249	19	8.5	247	52	<0.020	0.070	--
30.	1157	24	21	319	74	0.030	0.070	0.320
30.	1304	25	56	368	14	<0.020	0.050	0.150
SEP								
10.	0737	6.0	43	275	31	<0.020	<0.050	0.110

07047947 SECOND CREEK NEAR PALESTINE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1025	0.080	6.9	<0.5	<1	<25	<2	<8
30.	0835	<0.030	9.9	<0.5	<1	<25	<2	<8
NOV								
27.	0950	<0.030	9.9	<0.5	<1	<25	<2	<8
JAN								
01.	1327	0.070	8.4	--	<1	<25	<2	<8
FEB								
05.	0826	0.060	8.4	<0.5	<1	<25	<2	<8
MAR								
19.	1322	0.110	12	<0.5	<1	<25	<2	--
APR								
02.	1308	0.150	19	<0.5	--	<25	3	--
30.	1535	0.280	10	<0.5	<1	<25	<2	<8
JUN								
04.	0840	0.140	14	<0.5	<1	<25	<2	<8
JUL								
16.	1249	0.070	8.0	<0.5	<1	<25	<2	<8
30.	1157	0.060	9.6	<0.5	<1	<25	<2	<8
30.	1304	0.050	10	<0.5	<1	<25	<2	--
SEP								
10.	0737	0.070	11	<0.5	<1	<25	<2	<8

07047964 L'ANGUILLE RIVER AT MARIANNA, ARKANSAS

LOCATION.--Lat 34°47'12", long 90°45'00", in SE¼ sec.11, T.2 N., R.3 E., Lee County, Hydrologic Unit 08020205, at bridge on U.S. Highway 79, 1.0 mi northeast of Marianna.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1110	9827	9827	355	8.0	22.0	7.2	1.4	180
30.	1010	9827	9827	1380	7.4	13.0	7.6	1.2	60
NOV									
27.	0830	9827	9827	192	7.7	12.0	7.1	1.8	120
JAN									
01.	1209	9827	9827	8410	7.2	4.0	10.3	1.5	38
FEB									
05.	0951	9827	9827	1060	7.4	9.0	8.6	5.9	46
MAR									
19.	1210	9827	9827	346	7.5	16.0	7.4	2.1	56
APR									
02.	1146	9827	9827	361	8.4	18.0	13.1	7.6	84
30.	1431	9827	9827	8200	7.0	19.0	5.3	0.5	26
JUN									
04.	1000	9827	9827	816	7.1	27.0	3.2	1.3	50
JUL									
16.	1208	9827	9827	14	8.4	31.0	12.4	4.5	190
SEP									
10.	0855	9827	9827	1000	7.9	27.0	5.4	0.8	180

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1110	--	26	268	99	0.020	<0.050	0.240
30.	1010	10	9.8	118	28	0.030	<0.050	0.130
NOV								
27.	0830	16	14	194	78	0.120	0.080	--
JAN								
01.	1209	8.0	6.5	142	60	0.140	<0.050	0.270
FEB								
05.	0951	10	3.3	123	20	1.30	0.120	0.740
MAR								
19.	1210	11	7.2	160	27	0.360	<0.050	0.220
APR								
02.	1146	8.0	7.3	141	18	<0.020	0.080	0.120
30.	1431	10	6.5	177	114	0.330	--	0.500
JUN								
04.	1000	9.0	5.4	139	38	0.300	--	--
JUL								
16.	1208	31	15	264	24	<0.020	0.080	--
SEP								
10.	0855	11	31	272	90	0.060	<0.050	0.190

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1110	0.070	10	<0.5	<1	<25	<2	<8
30.	1010	0.040	8.7	<0.5	<1	<25	<2	<8
NOV								
27.	0830	0.040	9.2	<0.5	<1	<25	<2	<8
JAN								
01.	1209	0.150	9.5	--	<1	<25	<2	<8
FEB								
05.	0951	0.520	18	<0.5	<1	<25	<2	<8
MAR								
19.	1210	0.120	12	<0.5	<1	<25	<2	--
APR								
02.	1146	0.030	11	<0.5	--	<25	2	--
30.	1431	0.350	11	<0.5	<1	<25	<2	<8
JUN								
04.	1000	0.140	10	<0.5	<1	<25	<2	<8
JUL								
16.	1208	<0.030	12	<0.5	<1	<25	<2	<8
SEP								
10.	0855	0.110	11	<0.5	<1	<25	<2	<8

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARKANSAS

LOCATION.--Lat 36°03'00", long 94°04'42", in NW¼ sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi north of State Highway 16, 1.4 mi upstream from White River, and 4.3 mi east of Fayetteville.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1426	9827	9827	--	8.0	13.0	9.4	1.0	100
NOV									
19.	1422	9827	9827	27	7.8	13.0	9.4	1.2	100
DEC									
18.	1420	9827	9827	2450	7.6	9.0	10.3	2.0	48
JAN									
29.	1414	9827	9827	700	7.7	9.0	12.0	--	68
FEB									
26.	1457	9827	9827	52	7.9	8.0	11.7	2.1	76
MAR									
26.	1355	9827	9827	290	7.8	18.0	9.2	1.3	50
APR									
23.	1424	9827	9827	255	7.7	16.0	9.7	0.9	54
MAY									
07.	1524	9827	9827	175	7.8	19.0	9.1	1.1	54
JUN									
25.	1421	9827	9827	5.5	7.8	--	6.7	1.4	120
JUL									
23.	1530	9827	9827	--	8.0	34.0	--	1.5	110
AUG									
27.	1315	9827	9827	1.3	7.7	27.0	5.5	1.4	110
SEP									
24.	1300	9827	9827	10	7.8	18.0	6.6	1.9	110

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
23.	1426	42	4.7	158	11	0.690	0.140	0.86	0.040
NOV									
19.	1422	31	6.7	131	9	--	<0.050	0.58	0.070
DEC									
18.	1420	14	3.5	85	43	--	<0.050	1.0	0.160
JAN									
29.	1414	16	3.6	82	6	0.730	<0.050	0.30	0.050
FEB									
26.	1457	30	4.7	104	8	0.270	<0.050	0.49	--
MAR									
26.	1355	10	2.8	80	17	0.410	<0.050	0.21	--
APR									
23.	1424	11	2.7	81	20	0.380	<0.050	0.41	0.060
MAY									
07.	1524	9.0	1.8	86	27	0.230	<0.050	0.28	0.120
JUN									
25.	1421	13	3.9	118	11	--	<0.050	0.52	--
JUL									
23.	1530	19	7.6	158	11	0.080	0.070	--	0.150
AUG									
27.	1315	40	4.8	140	15	0.810	<0.050	0.70	0.080
SEP									
24.	1300	54	4.5	188	78	1.30	0.140	--	0.140

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1426	--	3.9	<0.5	<1	<25	3	<8
NOV								
19.	1422	<0.030	4.2	<0.5	<1	--	<2	<8
DEC								
18.	1420	0.040	--	--	<1	<25	<2	<8
JAN								
29.	1414	<0.030	2.4	<0.5	<1	<25	<2	<8
FEB								
26.	1457	<0.030	2.5	<0.5	<1	<25	<2	<8
MAR								
26.	1355	<0.030	2.8	<0.5	<1	<25	<2	8
APR								
23.	1424	0.030	2.6	<0.5	<1	<25	3	--
MAY								
07.	1524	0.030	3.1	<0.5	--	<25	<2	<8
JUN								
25.	1421	0.050	3.9	<0.5	<1	<25	<2	--
JUL								
23.	1530	<0.030	5.5	<0.5	<1	<25	<2	<8
AUG								
27.	1315	0.060	5.7	<0.5	<1	<25	2	<8
SEP								
24.	1300	0.160	7.8	<0.5	<1	<25	<2	--

07048600 WHITE RIVER NEAR FAYETTEVILLE, ARKANSAS

LOCATION.--Lat 36°04'23", long 94°04'51", in NE¼SW¼ 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 mi^2.

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

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

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

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

AVERAGE DISCHARGE.--28 years, 551 ft^3/s, 18.71 in/yr, 399,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s Nov. 19, 1985, gage height, 30.45 ft, from rating curve extended above 35,400 ft^3/s; minimum, 0.10 ft^3/s Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 29	2300	*10,900	*15.91	Apr. 13	2300	*10,900	*15,91

Minimum discharge, 0.41 ft^3/s July 22-24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	35	534	1730	299	438	998	540	134	13	1.7	3.5
2	2.2	22	467	1530	274	1450	851	456	148	20	1.5	6.8
3	2.3	25	2720	1480	258	1050	1130	2570	117	22	1.5	7.8
4	17	65	1450	1200	251	834	2260	1620	104	27	1.6	4.1
5	11	97	964	1250	263	682	1560	1080	104	22	1.6	3.0
6	23	96	701	2370	276	548	1250	847	84	15	1.7	2.5
7	30	89	541	2280	264	466	1120	665	70	13	1.8	2.5
8	512	91	430	1660	249	402	1240	527	61	11	1.7	2.5
9	1730	106	356	1370	237	354	972	430	49	19	1.8	2.8
10	724	109	308	2000	227	316	778	361	42	26	1.8	3.6
11	372	106	279	1980	218	289	988	313	39	26	1.8	3.7
12	228	102	253	1530	213	267	3650	276	38	26	1.9	3.4
13	156	95	229	1250	220	250	4370	252	43	16	2.4	3.3
14	122	87	220	1090	236	240	6160	262	38	6.3	6.3	3.3
15	105	84	204	2680	225	224	4120	198	31	2.4	5.1	3.3
16	86	73	230	2570	217	215	2100	174	30	2.9	3.9	18
17	79	72	1030	1700	208	530	1540	145	30	2.3	43	12
18	122	68	2430	1370	212	929	4440	135	29	2.0	25	59
19	108	65	1720	1370	205	684	2350	128	26	1.8	8.2	39
20	88	68	1190	1240	201	569	1590	127	25	1.6	5.2	13
21	79	86	1200	987	192	557	1240	133	24	1.7	23	7.6
22	73	141	1190	824	183	3520	1100	127	22	1.6	11	40
23	64	175	919	730	175	2270	925	126	52	.41	5.6	88
24	56	196	707	644	166	1470	755	118	49	.47	4.7	57
25	51	164	607	564	194	1160	642	745	48	.52	14	43
26	49	162	541	504	194	973	552	652	29	1.0	5.1	32
27	42	2440	506	469	206	1240	585	402	25	1.3	4.2	27
28	40	2430	534	442	215	1310	670	292	20	1.2	5.9	22
29	37	1150	4490	401	---	1340	693	234	18	1.6	5.0	20
30	36	729	6300	367	---	1540	649	192	15	1.9	3.7	16
31	32	---	2430	328	---	1190	---	155	---	1.9	3.3	---
TOTAL	5081.5	9228	35680	39910	6278	27307	51278	14282	1544	288.90	205.0	549.7
MEAN	164	308	1151	1287	224	881	1709	461	51.5	9.32	6.61	18.3
MAX	1730	2440	6300	2680	299	3520	6160	2570	148	27	43	88
MIN	2.2	22	204	328	166	215	552	118	15	.41	1.5	2.5
AC-FT	10080	18300	70770	79160	12450	54160	101700	28330	3060	573	407	1090
CFSM	.41	.77	2.88	3.22	.56	2.20	4.27	1.15	.13	.02	.02	.05
IN.	.47	.86	3.32	3.71	.58	2.54	4.77	1.33	.14	.03	.02	.05

CAL YR 1990 TOTAL 364389.0 MEAN 998 MAX 45300 MIN 1.0 AC-FT 722800 CFSM 2.50 IN. 33.89
WTR YR 1991 TOTAL 191632.10 MEAN 525 MAX 6300 MIN .41 AC-FT 380100 CFSM 1.31 IN. 17.82

07048700 WHITE RIVER NEAR GOSHEN, ARKANSAS

LOCATION.--Lat 36°06'21", long 94°00'41", in NE¼NW¼ sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 45, 0.2 mi upstream from Richland Creek, and 1.2 mi west of Goshen.

DRAINAGE AREA.--412 mi^2.

PERIOD OF RECORD.--July 1969 to July 1973, April 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	0945	9827	9827	65	7.8	11.0	8.9	2.3	24
NOV									
19.	0900	9827	9827	72	7.6	12.0	9.1	2.4	28
DEC									
18.	0915	9827	9827	2270	7.6	9.0	10.4	1.5	13
JAN									
29.	0920	9827	9827	422	7.5	5.0	11.6	1.1	12
FEB									
26.	0905	9827	9827	207	7.8	7.0	10.8	3.6	20
APR									
02.	0725	9827	9827	889	7.4	12.0	9.7	2.7	5.0
23.	0820	9827	9827	958	7.6	12.0	9.7	2.5	6.0
MAY									
07.	0850	9827	9827	689	7.6	17.0	8.5	2.5	6.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0945	6.5	122	14	1.50	0.080	0.95	0.070
NOV								
19.	0900	9.0	116	10	1.30	<0.050	0.73	0.050
DEC								
18.	0915	3.6	82	50	0.810	<0.050	--	0.150
JAN								
29.	0920	3.7	59	5	0.880	0.320	0.39	0.030
FEB								
26.	0905	6.1	92	9	0.680	0.080	0.75	0.130
APR								
02.	0725	3.4	58	14	0.380	0.090	--	0.040
23.	0820	2.7	62	12	0.600	<0.050	0.45	0.040
MAY								
07.	0850	1.9	67	18	0.390	<0.050	0.41	0.080

07048700 WHITE RIVER NEAR GOSHEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0945	0.050	4.2	<0.5	<1	<25	<2	<8
NOV								
19.	0900	<0.030	--	<0.5	--	--	<2	--
DEC								
18.	0915	0.060	5.1	--	<1	<25	<2	<8
JAN								
29.	0920	0.040	1.8	<0.5	<1	<25	<2	<8
FEB								
26.	0905	0.060	3.1	<0.5	<1	<25	<2	--
APR								
02.	0725	0.040	2.4	<0.5	<1	<25	<2	<8
23.	0820	0.070	1.8	<0.5	<1	<25	<2	<8
MAY								
07.	0850	<0.030	2.8	<0.5	<1	<25	<2	<8

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
28...	1400	80513	80513	28.4	10.0	87	7.0	735	28.5	7.0	93
28...	1401	80513	80513	1.00	10.0	87	7.0	735	28.5	6.9	92
28...	1402	80513	80513	2.00	10.0	87	7.0	735	28.5	6.9	92
28...	1403	80513	80020	3.00	10.0	87	7.0	735	28.5	6.8	91
28...	1404	80513	80513	4.00	10.0	87	7.0	735	28.5	6.8	91
28...	1405	80513	81213	5.00	10.0	87	7.0	735	28.5	6.8	91
28...	1406	80513	80513	6.00	10.0	87	7.0	735	28.5	6.8	91
28...	1407	80513	80513	7.00	10.0	87	7.0	735	28.5	6.8	91
28...	1408	80513	80513	8.00	10.0	87	7.0	735	28.5	6.8	90
28...	1409	80513	80513	9.00	10.0	87	7.0	735	28.5	6.8	90
28...	1410	80513	80513	10.0	10.0	87	7.0	735	28.5	6.7	90

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
28...	1400	0.30	86	--	--	--	--	--	--
28...	1405	--	86	5	13	2.3	39	13	1.7

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
28...	1403	--	--	--	--	--	--	3.10	0.500
28...	1405	30	<0.010	0.220	0.010	0.030	0.020	--	--

07048700 WHITE RIVER NEAR GOSHEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUN									
25.	0850	9827	9827	53	7.6	27.0	7.4	3.9	8.0
JUL									
23.	0820	9827	9827	1.2	8.0	28.0	6.9	6.2	21

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JUN								
25.	0850	5.3	87	10	0.240	<0.050	0.76	0.040
JUL								
23.	0820	16	151	14	0.650	--	--	0.140

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JUN								
25.	0850	<0.030	4.2	<0.5	<1	<25	<2	--
JUL								
23.	0820	<0.030	6.6	<0.5	<1	<25	<2	<8

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
12...	1320	80513	80513	0.0	6.0	313	7.8	735	27.5	7.1	93
12...	1321	80513	80513	1.00	6.0	314	7.7	735	26.5	6.7	86
12...	1322	80513	81213	3.00	6.0	317	7.5	735	26.5	5.1	67
12...	1323	80513	80513	5.00	6.0	322	7.4	735	25.0	4.9	62
12...	1324	80513	80513	6.00	6.0	323	7.4	735	25.0	4.8	61

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
12...	1320	0.09	21	--	--	--	--	--	--
12...	1322	--	--	10	9.2	2.7	79	27	2.8

07048700 WHITE RIVER NEAR GOSHEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
12...	1322	80	0.010	<0.020	0.030	0.080	0.030	4.00	<0.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG									
27.	0900	9827	9827	11	8.8	25.0	6.8	2.1	41
SEP									
24.	0940	9827	9827	68	7.9	18.0	7.0	3.7	45

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
AUG								
27.	0900	21	186	17	2.10	0.050	1.2	0.110
SEP								
24.	0940	7.9	171	36	1.70	0.240	0.84	0.160

DATE	TIME	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
AUG								
27.	0900	0.100	7.2	<0.5	<1	<25	<2	<8
SEP								
24.	0940	0.050	6.9	<0.5	<1	<25	<2	<8

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARKANSAS

LOCATION.--Lat 36°07'25", long 93°44'02", in SW¼NE¼ sec.22, T.17 N., R.26 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 23, 2.5 mi north of Huntsville.

PERIOD OF RECORD.--October 1984 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	1020	9827	9827	7.9	10.0	10.1	2.1	110	13
NOV									
19.	1440	9827	9827	8.3	15.0	12.0	2.2	110	26
DEC									
18.	1430	9827	9827	7.6	10.0	10.1	2.8	44	11
JAN									
29.	1435	9827	9827	8.1	8.0	11.5	2.3	88	12
FEB									
26.	1200	9827	9827	8.9	9.0	13.8	7.3	140	23
APR									
02.	0800	9827	9827	7.6	10.0	9.9	2.7	76	11
23.	1400	9827	9827	7.8	17.0	8.9	2.3	70	10
JUN									
25.	1430	9827	9827	7.8	30.0	9.6	8.4	98	18
JUL									
23.	1350	9827	9827	7.9	31.0	8.6	5.2	140	26
AUG									
27.	1415	9827	9827	7.9	26.0	7.8	3.4	120	26
SEP									
24.	1510	9827	9827	8.3	20.0	8.6	3.2	150	27

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1020	16	166	2	2.50	<0.050	0.84	0.330
NOV								
19.	1440	34	221	2	5.30	0.060	0.86	0.900
DEC								
18.	1430	6.1	82	12	1.40	<0.050	--	0.180
JAN								
29.	1435	13	128	4	3.50	<0.050	0.37	0.400
FEB								
26.	1200	35	276	6	12.0	<0.050	0.85	1.15
APR								
02.	0800	12	127	6	2.70	0.090	--	0.100
23.	1400	5.7	108	6	1.50	<0.050	0.46	0.070
JUN								
25.	1430	38	214	10	3.10	0.260	0.76	1.68
JUL								
23.	1350	300	1130	15	12.0	--	--	5.00
AUG								
27.	1415	60	296	9	9.00	0.060	0.78	2.75
SEP								
24.	1510	51	303	13	9.20	0.060	0.69	2.20

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1020	0.310	5.7	<0.5	<1	<25	<2	<8
NOV								
19.	1440	0.810	--	<0.5	--	--	<2	--
DEC								
18.	1430	0.100	5.0	--	<1	<25	<2	<8
JAN								
29.	1435	0.340	3.2	<0.5	<1	<25	<2	<8
FEB								
26.	1200	1.16	6.8	<0.5	<1	<25	<2	--
APR								
02.	0800	0.070	2.0	<0.5	<1	<25	<2	13
23.	1400	0.040	3.3	<0.5	<1	<25	<2	<8
JUN								
25.	1430	1.50	4.7	0.8	<1	<25	<2	--
JUL								
23.	1350	4.08	6.8	<0.5	<1	<25	<2	<8
AUG								
27.	1415	2.36	5.5	<0.5	<1	<25	<2	<8
SEP								
24.	1510	1.77	4.6	<0.5	<1	<25	<2	12

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARKANSAS

LOCATION.--Lat 36°25'15", long 93°50'50", in NW¼NW¼ sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
19...	1030	80513	0.0	196	122	8.0	736	10.0	11.9	109	3.30
19...	1031	80513	10.0	196	121	8.1	736	9.0	11.8	106	--
19...	1032	80513	20.0	196	120	8.1	736	9.0	11.8	105	--
19...	1033	80513	30.0	196	119	8.1	736	8.5	11.6	103	--
19...	1034	80513	40.0	196	118	8.0	736	8.5	11.4	101	--
19...	1035	80513	50.0	196	118	8.0	736	8.5	11.3	100	--
19...	1036	80513	60.0	196	117	8.0	736	8.0	11.1	98	--
19...	1037	80513	70.0	196	116	8.0	736	8.0	11.0	96	--
19...	1038	80513	80.0	196	117	7.9	736	8.0	10.9	95	--
19...	1039	80513	90.0	196	115	7.9	736	8.0	10.8	94	--
19...	1040	80513	100	196	115	7.9	736	8.0	10.7	93	--
19...	1041	80513	110	196	114	7.9	736	7.5	10.3	89	--
19...	1042	80513	120	196	113	7.8	736	7.0	10	85	--
19...	1043	80513	130	196	111	7.8	736	7.0	9.7	83	--
19...	1044	80513	140	196	111	7.7	736	7.0	9.6	82	--
19...	1045	80513	150	196	111	7.7	736	7.0	9.3	79	--
19...	1046	80513	160	196	110	7.6	736	7.0	9.2	78	--
19...	1047	80513	170	196	110	7.6	736	7.0	8.9	75	--
19...	1048	80513	180	196	109	7.6	736	7.0	8.5	72	--
19...	1049	80513	190	196	111	7.5	736	7.0	8.2	70	--
19...	1050	80513	196	196	111	7.5	736	7.0	7.9	67	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
29...	1335	80513	80513	0.0	190	118	8.0	734	28.0	8.1	107
29...	1336	80513	80513	3.00	190	119	8.0	734	27.5	8.0	106
29...	1337	80513	80513	10.0	190	119	8.0	734	27.5	8.1	106
29...	1338	80513	80513	15.0	190	118	8.1	734	26.5	8.4	109
29...	1339	80513	80513	16.0	190	118	8.2	734	25.5	9.1	115
29...	1340	80513	80513	18.0	190	118	8.3	734	24.5	9.6	120
29...	1341	80513	80513	19.0	190	118	8.3	734	23.5	9.9	121
29...	1342	80513	80513	20.0	190	118	8.3	734	22.5	10.3	123
29...	1343	80513	80513	21.0	190	117	8.3	734	21.5	10.4	123
29...	1344	80513	80513	23.0	190	119	8.2	734	20.5	10.0	115
29...	1345	80513	80513	24.0	190	118	8.1	734	19.5	9.8	110
29...	1346	80513	80513	25.0	190	118	8.0	734	19.0	9.7	109
29...	1347	80513	80513	28.0	190	117	7.8	734	18.5	9.2	101
29...	1348	80513	80513	30.0	190	119	7.7	734	18.0	8.9	98
29...	1349	80513	80513	35.0	190	119	7.5	734	17.0	8.2	89
29...	1350	80513	80513	40.0	190	119	7.4	734	16.5	7.8	83
29...	1351	80513	80513	45.0	190	119	7.4	734	15.5	7.4	77
29...	1352	80513	80513	50.0	190	118	7.3	734	14.5	7.3	74
29...	1353	80513	80513	55.0	190	116	7.3	734	13.5	7.4	74
29...	1354	80513	80513	60.0	190	114	7.4	734	13.0	7.5	74
29...	1355	80513	80513	70.0	190	114	7.3	734	12.0	7.8	75
29...	1356	80513	80513	80.0	190	112	7.3	734	11.0	8.0	75
29...	1357	80513	80513	90.0	190	112	7.3	734	11.0	8.0	75
29...	1358	80513	80513	100	190	113	7.3	734	10.5	7.9	74
29...	1359	80513	80513	110	190	111	7.3	734	10.0	7.9	73
29...	1400	80513	80513	120	190	112	7.3	734	9.5	7.9	72
29...	1401	80513	80513	130	190	114	7.3	734	9.0	7.8	71
29...	1402	80513	80513	140	190	113	7.3	734	8.5	7.6	68
29...	1403	80513	80513	150	190	114	7.2	734	8.5	7.3	65
29...	1404	80513	80513	160	190	115	7.2	734	8.0	6.9	61
29...	1405	80513	80513	170	190	117	7.2	734	8.0	6.8	60
29...	1406	80513	80513	180	190	115	7.2	734	8.0	6.4	56

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
29...	1335	6.80	0	--	--	--	--	--	--
29...	1346	--	--	5	0.40	1.7	55	19	1.9
29...	1358	--	--	5	0.59	1.7	55	19	1.8

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	1336	--	--	--	--	--	--	<0.100	<0.100
29...	1346	32	<0.010	0.170	0.020	<0.010	<0.010	--	--
29...	1358	48	<0.010	0.320	0.020	<0.010	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JUL											
03...	1215	80513	0.0	185	128	8.3	734	25.5	7.8	99	4.80
03...	1216	80513	3.00	185	128	8.3	734	28.5	7.7	104	--
03...	1217	80513	10.0	185	128	8.3	734	28.5	7.7	103	--
03...	1218	80513	20.0	185	127	8.3	734	28.5	7.7	103	--
03...	1219	80513	25.0	185	127	8.3	734	28.5	7.6	102	--
03...	1220	80513	26.0	185	124	8.4	734	23.5	10.4	127	--
03...	1221	80513	27.0	185	122	8.4	734	22.0	10.1	121	--
03...	1222	80513	28.0	185	124	8.4	734	21.5	10.4	122	--
03...	1223	80513	29.0	185	123	8.3	734	20.5	10.2	118	--
03...	1224	80513	30.0	185	124	8.2	734	20.0	10	114	--
03...	1225	80513	32.0	185	124	7.8	734	19.0	9.2	103	--
03...	1226	80513	36.0	185	123	7.5	734	17.5	8.0	87	--
03...	1227	80513	40.0	185	124	7.3	734	16.5	7.3	78	--
03...	1228	80513	45.0	185	122	7.2	734	15.5	6.5	68	--
03...	1229	80513	50.0	185	123	7.2	734	14.5	6.1	62	--
03...	1230	80513	55.0	185	121	7.2	734	13.5	6.4	63	--
03...	1231	80513	60.0	185	120	7.2	734	12.5	6.4	63	--
03...	1232	80513	65.0	185	117	7.2	734	12.0	6.7	64	--
03...	1233	80513	70.0	185	117	7.2	734	11.5	7.0	67	--
03...	1234	80513	80.0	185	117	7.2	734	11.0	7.3	68	--
03...	1235	80513	90.0	185	117	7.2	734	10.5	7.2	67	--
03...	1236	80513	100	185	116	7.2	734	10.0	6.9	64	--
03...	1237	80513	110	185	118	7.2	734	9.5	7.2	66	--
03...	1238	80513	120	185	119	7.2	734	9.5	7.2	65	--
03...	1239	80513	130	185	120	7.2	734	9.0	6.9	62	--
03...	1240	80513	140	185	120	7.2	734	8.5	6.6	59	--
03...	1241	80513	150	185	120	7.2	734	8.5	6.3	56	--
03...	1242	80513	160	185	120	7.2	734	8.5	6.1	54	--
03...	1243	80513	170	185	121	7.2	734	8.0	5.7	50	--
03...	1244	80513	180	185	121	7.2	734	8.0	5.5	48	--
03...	1245	80513	185	185	124	7.1	734	8.0	3.7	32	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
13...	1245	80513	80513	0.0	192	133	8.5	735	27.5	8.2	107
13...	1246	80513	80020	3.00	192	135	8.5	735	27.5	8.1	106
13...	1247	80513	80513	10.0	192	134	8.5	735	27.5	8.0	105
13...	1248	80513	80513	20.0	192	134	8.5	735	27.5	8.0	105
13...	1249	80513	80513	23.0	192	133	8.5	735	26.5	9.0	117
13...	1250	80513	81213	25.0	192	132	8.6	735	25.5	9.7	124
13...	1251	80513	80513	26.0	192	131	8.6	735	25.0	10.3	129
13...	1252	80513	80513	27.0	192	132	8.5	735	23.5	10.4	128
13...	1253	80513	80513	28.0	192	131	8.6	735	23.0	10.6	127
13...	1254	80513	80513	30.0	192	130	8.5	735	22.0	10.4	123
13...	1255	80513	80513	31.0	192	130	8.2	735	20.0	10.0	115
13...	1256	80513	80513	34.0	192	129	8.1	735	19.0	9.1	103
13...	1257	80513	80513	36.0	192	128	7.6	735	18.0	8.3	91
13...	1258	80513	80513	40.0	192	129	7.5	735	17.0	7.5	81
13...	1259	80513	80513	43.0	192	127	7.4	735	16.0	6.7	70
13...	1300	80513	80513	47.0	192	126	7.3	735	15.0	6.3	65
13...	1301	80513	80513	50.0	192	129	7.3	735	14.5	6.4	65
13...	1302	80513	80513	55.0	192	126	7.3	735	13.5	6.2	62
13...	1303	80513	80513	60.0	192	126	7.3	735	13.0	6.3	61
13...	1304	80513	80513	70.0	192	124	7.3	735	12.0	6.7	64
13...	1305	80513	80513	80.0	192	121	7.3	735	11.0	7.1	67
13...	1306	80513	80513	90.0	192	120	7.3	735	10.5	7.3	68
13...	1308	80513	81213	100	192	120	7.3	735	10.0	7.4	68
13...	1309	80513	80513	110	172	122	7.3	735	9.5	7.3	67
13...	1310	80513	80513	120	192	123	7.3	735	9.5	7.3	66
13...	1311	80513	80513	130	192	126	7.3	735	9.0	7.1	64
13...	1312	80513	80513	140	192	129	7.3	735	9.0	6.9	61
13...	1313	80513	80513	150	192	128	7.3	735	8.5	6.4	56
13...	1314	80513	80513	160	192	124	7.3	735	8.0	5.9	52
13...	1315	80513	80513	170	192	129	7.2	735	8.0	5.1	45
13...	1316	80513	80513	180	192	129	7.1	735	8.0	4.3	38
13...	1317	80513	80513	190	192	132	7.2	735	8.0	3.7	32
13...	1318	80513	80513	192	192	133	7.2	735	8.0	3.6	32

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
13...	1245	7.30	0	--	--	--	--	--	--
13...	1250	--	--	5	0.33	0.5	60	21	1.8
13...	1308	--	--	5	0.37	0.4	57	20	1.7

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
13...	1246	--	--	--	--	--	--	0.600	<0.100
13...	1250	56	<0.010	0.020	0.010	0.010	<0.010	--	--
13...	1308	60	<0.010	0.360	0.010	0.020	<0.010	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
AUG											
19...	1255	80513	0.0	195	127	8.1	734	27.5	7.9	104	5.40
19...	1256	80513	3.00	195	127	8.2	734	27.5	7.9	103	--
19...	1257	80513	10.0	195	129	8.2	734	27.5	7.8	103	--
19...	1258	80513	20.0	195	128	8.2	734	27.5	7.8	103	--
19...	1259	80513	25.0	195	128	8.2	734	22.0	8.2	97	--
19...	1300	80513	26.0	195	125	8.3	734	25.5	9.8	124	--
19...	1301	80513	27.0	195	125	8.3	734	23.5	10.2	125	--
19...	1302	80513	28.0	195	124	8.3	734	22.0	10.4	124	--
19...	1303	80513	30.0	195	124	8.3	734	21.5	10.2	120	--
19...	1304	80513	33.0	195	123	8.1	734	20.5	9.5	109	--
19...	1305	80513	35.0	195	124	7.7	734	19.0	8.5	96	--
19...	1306	80513	38.0	195	122	7.4	734	18.0	7.5	83	--
19...	1307	80513	40.0	195	123	7.4	734	17.0	7.1	76	--
19...	1308	80513	45.0	195	122	7.3	734	16.0	6.2	65	--
19...	1309	80513	50.0	195	122	7.3	734	15.0	5.8	60	--
19...	1310	80513	55.0	195	120	7.3	734	13.5	5.8	58	--
19...	1311	80513	60.0	195	119	7.3	734	13.0	5.7	56	--
19...	1312	80513	70.0	195	119	7.3	734	12.0	6.1	59	--
19...	1313	80513	80.0	195	116	7.3	734	11.0	6.5	62	--
19...	1314	80513	90.0	195	117	7.3	734	10.5	6.7	63	--
19...	1315	80513	100	195	117	7.4	734	10.0	6.8	63	--
19...	1316	80513	110	195	117	7.3	734	10.0	6.9	63	--
19...	1317	80513	120	195	118	7.3	734	9.5	6.8	62	--
19...	1318	80513	130	195	121	7.3	734	9.0	6.6	59	--
19...	1319	80513	140	195	120	7.3	734	9.0	6.1	55	--
19...	1320	80513	150	195	123	7.3	734	8.5	5.9	52	--
19...	1321	80513	160	195	120	7.3	734	8.5	5.3	47	--
19...	1322	80513	170	195	123	7.2	734	8.0	4.8	42	--
19...	1323	80513	180	195	127	7.2	734	8.0	3.7	32	--
19...	1324	80513	190	195	131	7.1	734	8.0	2.7	24	--
19...	1325	80513	195	195	137	7.2	734	8.0	2.2	19	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP											
06...	1020	80513	0.0	190	127	8.5	736	26.5	8.3	107	5.50
06...	1021	80513	10.0	190	127	8.5	736	26.5	8.3	106	--
06...	1022	80513	20.0	190	127	8.5	736	26.5	8.2	106	--
06...	1023	80513	26.0	190	126	8.4	736	25.5	9.1	115	--
06...	1024	80513	27.0	190	125	8.4	736	24.5	9.6	119	--
06...	1025	80513	28.0	190	124	8.3	736	23.5	9.7	118	--
06...	1026	80513	30.0	190	124	8.1	736	23.0	9.3	113	--
06...	1027	80513	32.0	190	125	8.1	736	22.0	9.4	112	--
06...	1028	80513	34.0	190	125	7.9	736	21.0	7.7	90	--
06...	1029	80513	36.0	190	124	7.6	736	19.5	6.7	76	--
06...	1030	80513	38.0	190	124	7.4	736	18.5	6.1	68	--
06...	1031	80513	40.0	190	123	7.3	736	17.5	6.1	66	--
06...	1032	80513	43.0	190	124	7.2	736	17.5	5.1	55	--
06...	1033	80513	45.0	190	123	7.1	736	16.0	4.3	45	--
06...	1034	80513	50.0	190	123	7.0	736	15.0	3.6	37	--
06...	1035	80513	55.0	190	120	7.0	736	14.0	3.6	36	--
06...	1036	80513	60.0	190	118	7.0	736	13.5	3.7	36	--
06...	1037	80513	70.0	190	118	7.0	736	12.0	4.1	40	--
06...	1038	80513	80.0	190	116	7.1	736	11.5	4.9	46	--
06...	1039	80513	90.0	190	116	7.1	736	11.0	5.2	49	--
06...	1040	80513	100	190	117	7.1	736	10.5	5.2	48	--
06...	1041	80513	110	190	119	7.1	736	10.0	5.4	49	--
06...	1042	80513	120	190	121	7.1	736	9.5	5.2	47	--
06...	1043	80513	130	190	119	7.1	736	9.5	4.7	42	--
06...	1044	80513	140	190	119	7.1	736	9.0	4.4	40	--
06...	1045	80513	150	190	123	7.1	736	9.0	4.0	36	--
06...	1046	80513	160	190	126	7.1	736	8.5	3.6	32	--
06...	1047	80513	170	190	123	7.0	736	8.5	2.5	22	--
06...	1048	80513	180	190	125	7.0	736	8.5	1.2	11	--
06...	1049	80513	190	190	133	7.0	736	8.0	0.6	5	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP											
16...	1440	80513	0.0	188	132	9.2	734	27.5	8.0	105	5.40
16...	1441	80513	10.0	188	132	9.2	734	27.5	7.9	104	--
16...	1442	80513	20.0	188	132	9.1	734	27.5	7.9	103	--
16...	1443	80513	27.0	188	132	9.1	734	27.0	7.8	102	--
16...	1444	80513	29.0	188	132	9.1	734	26.0	8.1	103	--
16...	1445	80513	30.0	188	131	9.0	734	25.0	8.5	106	--
16...	1446	80513	31.0	188	134	8.9	734	23.5	8.7	107	--
16...	1447	80513	32.0	188	138	8.8	734	22.5	8.7	104	--
16...	1448	80513	33.0	188	141	8.6	734	22.0	8.5	100	--
16...	1449	80513	34.0	188	145	8.5	734	21.0	8.0	93	--
16...	1450	80513	35.0	188	148	8.3	734	20.0	7.3	83	--
16...	1451	80513	36.0	188	126	8.1	734	19.0	6.6	74	--
16...	1452	80513	38.0	188	125	8.0	734	18.0	5.7	63	--
16...	1453	80513	40.0	188	125	8.0	734	17.0	5.0	54	--
16...	1454	80513	42.0	188	123	7.9	734	16.0	4.1	43	--
16...	1455	80513	46.0	188	122	7.8	734	15.0	3.4	35	--
16...	1456	80513	50.0	188	122	7.8	734	14.5	3.5	36	--
16...	1457	80513	55.0	188	121	7.8	734	13.5	3.4	34	--
16...	1458	80513	60.0	188	120	7.8	734	13.0	3.9	38	--
16...	1459	80513	65.0	188	119	7.8	734	12.0	4.0	38	--
16...	1500	80513	70.0	188	118	7.8	734	11.5	4.2	40	--
16...	1501	80513	80.0	188	118	7.8	734	11.0	4.6	43	--
16...	1502	80513	90.0	188	117	7.8	734	10.5	5.0	46	--
16...	1503	80513	100	188	119	7.8	734	10.0	5.1	47	--
16...	1504	80513	110	188	121	7.8	734	10.0	5.1	47	--
16...	1505	80513	120	188	123	7.8	734	9.5	4.7	43	--
16...	1506	80513	130	188	124	7.8	734	9.0	4.1	37	--
16...	1507	80513	140	188	125	7.8	734	9.0	4.0	36	--
16...	1508	80513	150	188	126	7.7	734	8.5	3.1	28	--
16...	1509	80513	160	188	126	7.7	734	8.5	2.5	22	--
16...	1510	80513	170	188	127	7.7	734	8.5	1.5	13	--
16...	1511	80513	180	188	131	7.7	734	8.5	0.3	2	--
16...	1512	80513	188	188	137	7.7	734	8.5	0.1	1	--

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

LOCATION.--Lat 36°25'15", long 93°50'50", in NW¼NW¼ sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAR									
19...	1010	80513	80513	127	7.7	740	10.0	10.8	99
MAY									
29...	1435	80513	81213	115	7.3	739	10.0	8.1	74
JUL									
03...	1300	80513	80513	129	7.8	738	14.5	11.1	113
AUG									
13...	1400	80513	81213	134	7.7	740	11.0	11.3	106
19...	1340	80513	80513	125	7.1	738	10.0	8.5	78
SEP									
06...	1005	80513	80513	130	7.3	741	12.0	8.8	84
16...	1530	80513	80513	127	8.2	740	11.5	9.4	89

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY								
29...	1435	42	5	0.94	2.0	52	18	1.8
AUG								
13...	1400	34	5	0.96	0.8	60	21	1.9

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
MAY							
29...	1435	50	<0.010	0.350	0.010	<0.010	<0.010
AUG							
13...	1400	70	<0.010	0.380	0.020	0.040	0.010

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH, ARKANSAS

LOCATION.--Lat 36°25'15", long 90°29'05", in NW¼SE¼ sec.2, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Campground E, 2.2 mi downstream from Beaver Dam, and 2.5 mi south of Busch.

PERIOD OF RECORD.--May to September 1991.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May to September 1991.
WATER TEMPERATURES: May to September 1991.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL									
25...	1500	80513	80513	1.50	3.00	11.0	11.5	8.8	739
25...	1503	80513	80513	2.50	5.00	33.0	11.5	8.6	739
25...	1506	80513	80513	2.50	5.00	55.0	11.5	8.7	739
25...	1509	80513	80513	3.00	6.00	77.0	11.5	8.8	739
25...	1512	80513	80513	1.50	3.00	99.0	11.0	8.9	739
25...	1515	80513	80513	1.00	2.00	121	11.5	8.8	739
25...	1518	80513	80513	1.50	3.00	143	11.0	8.9	739
25...	1521	80513	80513	1.50	3.00	165	11.0	8.8	739
25...	1524	80513	80513	1.00	2.00	187	11.5	8.7	739
25...	1527	80513	80513	1.00	2.00	209	11.5	8.7	739
AUG									
08...	1400	80513	80513	4.00	8.00	12.0	10.0	6.6	739
08...	1402	80513	80513	6.00	12.0	37.0	9.5	6.8	739
08...	1404	80513	80513	5.00	10.0	62.0	9.0	6.7	739
08...	1408	80513	80513	5.00	10.0	87.0	9.5	6.6	739
08...	1410	80513	80513	4.50	9.00	112	9.5	6.8	739
08...	1412	80513	80513	4.00	8.00	137	9.5	7.0	739
08...	1414	80513	80513	3.50	7.00	162	9.5	6.9	739
08...	1416	80513	80513	3.50	7.00	187	9.5	6.8	739
08...	1418	80513	80513	4.00	8.00	212	9.5	6.7	739
08...	1420	80513	80513	4.00	8.00	237	10.0	6.8	739

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP									
06...	0910	80513	80513	0.50	1.00	7.00	11.5	7.4	742
06...	0912	80513	80513	1.00	2.00	22.0	11.5	7.8	742
06...	0914	80513	80513	1.00	2.00	37.0	11.0	7.7	742
06...	0916	80513	80513	1.00	2.00	52.0	11.0	7.6	742
06...	0918	80513	80513	1.00	2.00	67.0	11.0	7.6	742
06...	0920	80513	80513	1.00	2.00	82.0	11.0	7.6	742
06...	0922	80513	80513	1.50	3.00	97.0	11.0	7.5	742
06...	0923	80513	80513	1.50	3.00	112	11.0	7.5	742
06...	0924	80513	80513	1.50	3.00	127	11.0	7.5	742
06...	0926	80513	80513	1.00	2.00	142	11.0	7.5	742
16...	1550	80513	80513	0.50	1.00	7.00	12.5	8.5	740
16...	1552	80513	80513	1.00	2.00	22.0	12.5	8.5	740
16...	1554	80513	80513	1.00	2.00	37.0	12.0	8.5	740
16...	1556	80513	80513	1.00	2.00	52.0	12.0	8.4	740
16...	1558	80513	80513	1.00	2.00	67.0	12.0	8.4	740
16...	1600	80513	80513	1.50	3.00	82.0	12.0	8.3	740
16...	1602	80513	80513	1.50	3.00	97.0	12.0	8.3	740
16...	1604	80513	80513	1.00	2.00	112	12.0	8.3	740
16...	1606	80513	80513	1.00	2.00	127	12.0	8.2	740
16...	1608	80513	80513	0.50	1.00	142	12.0	8.2	740

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH, ARKANSAS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	15.1	9.0	12.2
18	---	---	---	---	---	---	---	---	---	9.7	9.0	9.3
19	---	---	---	---	---	---	---	---	---	10.1	8.9	9.4
20	---	---	---	---	---	---	---	---	---	9.7	8.8	9.2
21	---	---	---	---	---	---	---	---	---	9.3	8.9	9.1
22	---	---	---	---	---	---	---	---	---	10.0	8.9	9.2
23	---	---	---	---	---	---	---	---	---	13.6	9.1	10.2
24	---	---	---	---	---	---	---	---	---	13.3	9.7	10.4
25	---	---	---	---	---	---	---	---	---	14.4	9.7	11.4
26	---	---	---	---	---	---	---	---	---	13.8	9.7	10.7
27	---	---	---	---	---	---	---	---	---	14.1	8.9	10.7
28	---	---	---	---	---	---	---	---	---	10.9	8.9	9.3
29	---	---	---	---	---	---	---	---	---	10.1	9.0	9.3
30	---	---	---	---	---	---	---	---	---	10.0	9.1	9.3
31	---	---	---	---	---	---	---	---	---	10.5	9.2	9.4

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.3	9.4	10.1	14.9	9.6	10.7	13.8	9.5	10.1	12.1	10.1	10.7
2	12.9	10.0	11.1	12.3	9.3	10.3	12.0	9.5	10.0	13.3	10.7	11.3
3	13.9	9.2	10.9	12.5	9.4	10.4	13.8	9.7	10.4	13.9	10.2	11.3
4	12.1	9.2	9.9	14.3	9.9	10.8	14.5	10.0	11.0	12.5	10.3	10.9
5	10.9	9.5	9.8	14.1	9.7	10.6	15.9	10.3	11.5	13.7	10.7	11.4
6	14.2	9.6	10.6	14.7	9.1	10.3	13.7	9.5	10.7	13.9	10.1	11.3
7	12.6	9.5	10.2	14.3	9.5	10.6	12.9	9.6	10.1	14.4	10.2	11.5
8	13.4	9.5	10.4	13.6	9.3	10.8	12.5	9.7	10.2	14.6	10.4	11.6
9	13.1	10.0	11.0	15.2	9.6	10.8	12.8	10.1	10.9	15.3	10.5	11.5
10	13.6	9.5	12.1	16.6	9.8	11.1	12.0	10.2	11.5	13.1	10.8	11.7
11	11.1	9.1	9.9	14.3	9.6	10.6	13.0	10.5	11.4	13.0	9.9	11.3
12	12.1	9.3	10.4	14.1	9.9	10.7	13.4	10.3	11.1	12.2	9.9	10.6
13	16.1	9.4	12.3	13.7	10.3	11.2	11.6	9.6	10.6	10.8	9.9	10.2
14	14.7	9.5	10.6	13.1	10.1	10.7	13.3	9.7	10.5	15.5	10.2	12.5
15	13.6	9.5	10.9	13.0	10.3	10.8	14.1	9.6	11.0	15.3	9.9	11.3
16	13.3	9.7	10.7	13.4	9.3	10.7	12.2	9.7	10.1	12.5	10.0	11.4
17	13.3	9.8	10.6	11.9	9.2	9.8	15.8	10.1	11.4	12.2	9.9	10.6
18	13.0	9.5	10.4	10.8	9.3	9.7	14.8	9.9	11.2	11.6	9.9	10.5
19	14.5	9.6	10.7	13.8	9.6	10.3	12.4	9.8	10.3	11.9	9.3	10.1
20	13.6	9.5	10.5	16.5	9.9	11.8	13.6	9.4	10.3	12.1	8.9	9.9
21	14.5	9.4	10.5	---	---	---	13.2	9.8	10.6	11.8	9.3	10.0
22	14.7	9.5	10.5	13.3	9.5	10.3	13.0	9.7	10.4	10.4	9.7	10.1
23	14.2	9.6	10.5	13.6	9.4	10.3	14.5	9.7	10.8	13.1	10.0	10.7
24	13.0	9.6	10.5	13.6	10.0	11.1	13.3	10.1	11.0	11.1	10.1	10.5
25	13.2	9.4	10.4	12.0	9.4	10.6	13.7	10.1	11.0	13.0	9.1	10.5
26	13.9	9.7	10.6	14.7	9.5	10.6	12.1	9.6	10.5	13.1	9.2	10.4
27	12.8	9.9	10.6	11.7	9.4	10.4	13.7	9.8	10.5	13.4	8.8	10.3
28	13.3	10.2	11.2	12.1	9.7	10.5	13.4	9.8	10.7	13.5	9.5	10.5
29	15.4	10.2	11.7	11.8	9.4	10.5	12.1	9.8	10.2	12.4	9.3	10.4
30	16.4	9.7	11.4	14.1	9.5	10.2	14.7	10.1	11.0	11.6	9.6	10.2
31	---	---	---	12.4	9.4	9.9	12.7	9.9	10.8	---	---	---
MONTH	16.4	9.1	10.7	---	---	---	15.9	9.4	10.7	15.5	8.8	10.8

07049693 WHITE RIVER AT CAMPGROUND E NEAR BUSCH, ARKANSAS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	9.3	7.7	8.6
19	---	---	---	---	---	---	---	---	---	9.8	7.3	8.6
20	---	---	---	---	---	---	---	---	---	9.8	7.3	8.3
21	---	---	---	---	---	---	---	---	---	8.8	7.2	8.4
22	---	---	---	---	---	---	---	---	---	9.0	7.4	8.4
23	---	---	---	---	---	---	---	---	---	11.7	7.7	9.2
24	---	---	---	---	---	---	---	---	---	11.8	8.2	9.6
25	---	---	---	---	---	---	---	---	---	11.6	8.6	9.8
26	---	---	---	---	---	---	---	---	---	11.2	8.0	9.1
27	---	---	---	---	---	---	---	---	---	11.0	8.2	9.2
28	---	---	---	---	---	---	---	---	---	8.6	7.0	8.0
29	---	---	---	---	---	---	---	---	---	10.8	6.6	8.3
30	---	---	---	---	---	---	---	---	---	9.3	7.7	8.3
31	---	---	---	---	---	---	---	---	---	9.2	6.3	8.3

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	9.0	4.3	6.5	9.6	4.5	6.5	9.4	3.7	6.6
2	---	---	---	9.3	4.0	6.1	8.0	4.2	6.3	8.0	4.5	6.4
3	---	---	---	8.1	4.2	5.9	8.5	3.7	6.6	8.9	4.3	6.5
4	---	---	---	7.7	4.1	6.2	9.2	4.0	7.4	8.6	4.8	6.6
5	---	---	---	8.6	4.3	6.5	9.8	4.7	7.2	9.9	4.6	6.3
6	9.9	7.1	8.7	7.9	4.0	6.4	9.0	4.6	6.4	8.7	4.6	6.7
7	---	---	---	8.4	4.4	6.2	8.2	4.4	6.6	9.5	3.8	6.7
8	---	---	---	9.6	4.8	6.5	7.9	4.2	6.3	9.5	5.0	7.1
9	---	---	---	8.5	3.8	6.5	8.3	5.1	6.7	9.7	4.9	6.7
10	---	---	---	9.4	4.4	6.9	9.4	4.4	7.1	8.5	4.0	6.4
11	---	---	---	9.9	5.0	6.9	8.9	5.9	7.5	9.0	4.7	6.4
12	---	---	---	8.4	2.3	4.8	8.6	6.7	7.6	8.9	3.5	5.6
13	---	---	---	8.5	5.4	6.9	8.9	6.1	7.3	7.8	3.7	5.2
14	---	---	---	9.9	6.2	7.9	8.4	5.7	7.0	10.3	2.9	6.5
15	---	---	---	8.3	3.6	6.4	9.2	5.8	7.4	10.0	4.5	6.6
16	---	---	---	8.0	3.8	6.1	9.1	5.6	7.5	9.2	3.5	6.5
17	---	---	---	7.4	3.9	6.3	9.7	5.6	7.6	9.8	5.3	6.7
18	9.3	7.3	8.0	7.7	3.6	6.3	9.7	6.0	8.0	8.9	5.8	6.8
19	8.9	6.6	7.7	8.2	2.5	6.0	10.2	5.9	7.7	9.3	6.2	7.0
20	9.3	6.8	7.7	10.1	3.2	7.0	8.5	5.6	7.2	9.9	5.9	7.2
21	8.7	6.2	7.5	8.4	3.4	7.1	8.3	3.8	6.5	8.7	5.2	6.6
22	9.2	6.8	7.8	8.8	3.3	6.2	7.6	5.0	6.5	7.6	5.4	6.5
23	9.0	6.3	7.5	8.6	3.2	6.4	8.4	4.3	6.5	9.2	6.0	7.1
24	8.6	6.1	7.5	8.6	4.5	7.1	8.2	3.6	6.7	8.6	4.8	6.6
25	7.7	5.6	7.0	8.5	3.1	6.3	8.3	3.8	6.4	8.8	5.8	7.1
26	8.2	5.5	6.9	10.3	5.2	7.5	7.6	4.3	6.1	9.7	5.7	6.8
27	9.9	5.0	6.8	8.4	5.6	7.1	8.5	3.7	6.2	8.9	4.5	6.7
28	8.6	6.2	7.2	8.5	4.6	7.0	8.6	4.0	6.2	8.3	4.4	6.2
29	9.3	5.5	7.5	7.8	5.9	7.0	8.9	4.1	6.4	9.8	5.3	6.4
30	8.6	4.9	7.1	9.3	5.7	6.8	8.0	4.7	6.4	9.3	5.6	6.4
31	---	---	---	8.4	5.9	6.9	8.3	3.6	6.4	---	---	---
MONTH	---	---	---	10.3	2.3	6.6	10.2	3.6	6.8	10.3	2.9	6.6

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARKANSAS

LOCATION.--Lat 36°20'56", long 93°35'24", in SE¼SW¼ 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.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	1200	9827	9827	8.2	12.0	10.8	2.6	150	7.0
NOV									
19.	1110	9827	9827	8.0	11.0	9.3	1.7	150	10
DEC									
18.	1110	9827	9827	8.1	10.0	10.2	1.2	140	9.0
JAN									
29.	1110	9827	9827	8.1	7.0	11.6	1.1	120	6.0
FEB									
26.	1100	9827	9827	8.2	7.0	11.8	2.0	130	10
APR									
02.	0930	9827	9827	7.9	14.0	10.4	2.8	86	5.0
23.	1010	9827	9827	8.0	13.0	9.9	1.6	100	6.0
JUN									
25.	1045	9827	9827	7.9	28.0	6.3	3.1	150	5.0
JUL									
23.	1020	9827	9827	8.2	29.0	7.1	3.1	150	7.0
AUG									
27.	1050	9827	9827	8.1	26.0	7.4	2.5	150	5.0
SEP									
24.	1140	9827	9827	8.1	19.0	7.5	1.9	160	8.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1200	4.7	175	3	1.10	<0.050	0.72	<0.030
NOV								
19.	1110	6.8	171	4	0.300	<0.050	0.48	0.030
DEC								
18.	1110	4.1	156	11	1.40	<0.050	--	0.080
JAN								
29.	1110	4.1	127	4	1.30	0.070	0.23	0.010
FEB								
26.	1100	4.4	145	2	0.790	0.080	0.49	0.060
APR								
02.	0930	3.1	102	8	0.230	<0.050	--	<0.030
23.	1010	3.1	113	8	0.810	<0.050	0.49	0.050
JUN								
25.	1045	4.2	164	5	0.280	<0.050	0.50	<0.030
JUL								
23.	1020	5.7	178	10	0.150	--	--	0.100
AUG								
27.	1050	4.7	150	13	0.050	<0.050	0.56	0.030
SEP								
24.	1140	5.0	176	3	0.410	0.070	0.41	<0.030

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1200	<0.030	5.1	<0.5	<1	<25	<2	<8
NOV								
19.	1110	<0.030	--	<0.5	--	--	<2	--
DEC								
18.	1110	0.030	3.8	--	<1	<25	<2	<8
JAN								
29.	1110	<0.030	2.1	<0.5	<1	<25	<2	8
FEB								
26.	1100	<0.030	2.7	<0.5	<1	<25	<2	--
APR								
02.	0930	<0.030	1.8	<0.5	<1	<25	<2	8
23.	1010	0.030	2.1	<0.5	<1	<25	<2	<8
JUN								
25.	1045	<0.030	5.5	<0.5	<1	<25	<2	--
JUL								
23.	1020	0.040	6.7	<0.5	<1	<25	<2	<8
AUG								
27.	1050	--	8.5	<0.5	<1	<25	<2	<8
SEP								
24.	1140	<0.030	4.0	<0.5	<1	<25	<2	<8

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARKANSAS

LOCATION.--Lat 36°21'50", long 93°36'26", in SE¼SW¼ sec.26, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at north end of spur road off Highway 221, and 0.6 mi southwest of waterworks.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV									
19.	1045	9827	9827	8.3	12.0	11.3	1.5	150	28
DEC									
18.	1045	9827	9827	8.1	10.0	9.9	2.1	150	12
JAN									
29.	1045	9827	9827	8.0	7.0	11.1	0.8	120	10
FEB									
26.	1030	9827	9827	8.4	6.0	12.4	1.8	130	26
APR									
02.	0905	9827	9827	7.9	13.0	10.1	1.8	92	9.0
23.	0940	9827	9827	8.0	13.0	9.7	0.8	110	8.0
MAY									
07.	1020	9827	9827	8.1	16.0	9.6	1.5	100	6.0
JUN									
25.	1020	9827	9827	8.1	27.0	8.1	2.7	150	32
JUL									
23.	1000	9827	9827	8.3	27.0	6.3	2.6	160	91
AUG									
27.	1030	9827	9827	8.1	24.0	7.2	2.0	140	41
SEP									
24.	1115	9827	9827	8.3	19.0	7.7	1.2	160	36

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
NOV								
19.	1045	16	215	1	0.280	0.300	0.41	0.100
DEC								
18.	1045	5.8	169	16	1.60	<0.050	--	0.120
JAN								
29.	1045	5.7	139	3	1.50	0.290	0.33	0.020
FEB								
26.	1030	11	177	2	1.00	<0.050	0.40	0.100
APR								
02.	0905	5.3	120	10	0.330	0.070	--	0.030
23.	0940	3.8	133	9	0.900	<0.050	0.43	0.050
MAY								
07.	1020	3.1	125	9	0.440	<0.050	0.51	0.050
JUN								
25.	1020	16	222	4	0.330	<0.050	0.50	0.030
JUL								
23.	1000	54	405	4	0.110	--	--	0.230
AUG								
27.	1030	22	240	7	0.110	<0.050	0.66	0.170
SEP								
24.	1115	20	245	3	0.410	0.060	0.31	0.070

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV								
19.	1045	0.050	--	<0.5	--	--	<2	--
DEC								
18.	1045	0.040	4.0	--	<1	<25	<2	<8
JAN								
29.	1045	0.030	1.8	<0.5	<1	<25	<2	8
FEB								
26.	1030	0.050	1.9	<0.5	<1	<25	<2	--
APR								
02.	0905	0.030	2.1	<0.5	<1	<25	<2	<8
23.	0940	<0.030	2.6	<0.5	<1	<25	<2	11
MAY								
07.	1020	<0.030	5.7	<0.5	<1	<25	<2	<8
JUN								
25.	1020	0.040	4.1	<0.5	<1	<25	<2	--
JUL								
23.	1000	0.150	6.5	<0.5	<1	<25	<2	<8
AUG								
27.	1030	0.130	8.6	<0.5	<1	<25	<2	<8
SEP								
24.	1115	<0.030	4.2	<0.5	<1	<25	<2	<8

07050500 KINGS RIVER NEAR BERRYVILLE, ARKANSAS

LOCATION.--Lat 36°25'36", long 93°37'15", in SE¼NE¼ sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1.

DRAINAGE AREA.--527 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1120	9827	9827	150	8.4	12.0	10.9	2.1	130
NOV									
19.	1010	9827	9827	120	8.2	12.0	11.4	1.9	140
28.	1055	9827	9827	--	--	--	--	--	--
DEC									
18.	1020	9827	9827	740	8.1	9.0	10.3	2.4	130
JAN									
29.	1025	9827	9827	475	8.0	6.0	11.3	1.4	90
FEB									
26.	1005	9827	9827	190	8.6	7.0	12.7	3.7	120
APR									
02.	0845	9827	9827	630	8.0	12.0	9.9	3.6	82
23.	0920	9827	9827	1300	8.0	12.0	9.9	1.9	96
MAY									
07.	0955	9827	9827	790	8.1	16.0	9.2	4.0	96
JUN									
25.	1000	9827	9827	88	7.9	27.0	8.2	3.1	130
JUL									
23.	0935	9827	9827	25	8.2	29.0	6.3	4.0	130
AUG									
27.	1010	9827	9827	60	8.2	25.0	7.6	5.5	120
SEP									
24.	1055	9827	9827	78	8.4	20.0	8.4	2.2	130

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1120	8.0	5.0	157	2	0.730	<0.050	0.030
NOV								
19.	1010	19	10	171	1	0.070	<0.050	0.050
28.	1055	--	14	--	--	--	--	--
DEC								
18.	1020	10	4.7	163	14	0.950	<0.050	0.080
JAN								
29.	1025	7.0	4.1	118	3	1.10	<0.050	0.010
FEB								
26.	1005	12	4.4	135	2	0.490	<0.050	0.060
APR								
02.	0845	6.0	3.8	106	8	0.280	0.100	<0.030
23.	0920	6.0	2.7	113	8	0.900	<0.050	0.040
MAY								
07.	0955	4.0	2.1	116	7	0.390	<0.050	0.060
JUN								
25.	1000	11	7.9	159	4	0.170	<0.050	<0.030
JUL								
23.	0935	18	12	184	8	<0.020	--	0.120
AUG								
27.	1010	20	11	166	7	0.060	<0.050	0.060
SEP								
24.	1055	23	13	181	3	0.040	0.050	0.030

07050500 KINGS RIVER NEAR BERRYVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1120	0.060	2.2	<0.5	<1	<25	<2	<8
NOV								
19.	1010	<0.030	--	<0.5	--	--	<2	--
DEC								
18.	1020	0.060	3.8	--	<1	<25	<2	<8
JAN								
29.	1025	<0.030	1.7	<0.5	<1	<25	<2	<8
FEB								
26.	1005	<0.030	2.5	<0.5	<1	<25	<2	--
APR								
02.	0845	0.040	2.9	<0.5	<1	<25	<2	<8
23.	0920	0.090	2.4	<0.5	<1	<25	<2	<8
MAY								
07.	0955	0.030	2.9	<0.5	<1	<25	<2	<8
JUN								
25.	1000	<0.030	4.6	<0.5	<1	<25	<2	--
JUL								
23.	0935	0.060	6.6	<0.5	<1	<25	<2	<8
AUG								
27.	1010	--	4.9	<0.5	<1	<25	<2	<8
SEP								
24.	1055	0.030	2.3	<0.5	<1	<25	<2	<8

07053230 LONG CREEK NEAR DENVER, ARKANSAS

LOCATION.--Lat 36°25'46", long 93°18'22", in SE¼SW¼ sec.34, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on low-water bridge on county road off State Highway 311, 2.7 mi north of Denver.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
23...	1250	9827	9827	8.2	13.0	11.3	2.2	160
NOV								
19...	1200	9827	9827	8.2	13.0	12.2	1.1	170
DEC								
18...	1145	9827	9827	8.0	10.0	10.2	1.7	140
JAN								
29...	1150	9827	9827	8.1	9.0	11.2	0.9	140
FEB								
26...	1140	9827	9827	8.3	9.0	12.6	1.4	150
APR								
02...	1005	9827	9827	8.0	14.0	10.4	1.8	120
23...	1045	9827	9827	8.1	14.0	9.7	1.7	130
MAY								
07...	1120	9827	9827	8.1	17.0	10.4	1.0	120
JUN								
25...	1130	9827	9827	8.0	25.0	9.5	1.4	170
JUL								
23...	1105	9827	9827	8.2	27.0	8.5	2.2	160
AUG								
27...	1130	9827	9827	8.1	24.0	8.7	1.6	170
SEP								
24...	1225	9827	9827	8.3	19.0	9.0	1.2	170

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23...	1250	13	7.3	198	2	1.90	<0.050	0.030
NOV								
19...	1200	25	12	219	2	1.50	<0.050	0.050
DEC								
18...	1145	28	10	196	8	2.20	<0.050	0.100
JAN								
29...	1150	8.0	5.4	158	2	1.90	<0.050	0.030
FEB								
26...	1140	15	6.8	188	8	1.80	<0.050	0.070
APR								
02...	1005	9.0	4.9	147	6	0.830	0.060	<0.030
23...	1045	8.0	4.0	155	8	1.40	<0.050	0.030
MAY								
07...	1120	6.0	3.1	145	4	0.820	<0.050	0.060
JUN								
25...	1130	10	7.5	198	3	1.10	<0.050	0.060
JUL								
23...	1105	15	11	210	6	1.30	--	0.110
AUG								
27...	1130	15	11	211	6	1.50	<0.050	<0.030
SEP								
24...	1225	18	11	215	2	1.80	0.070	0.030

07053230 LONG CREEK NEAR DENVER, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23...	1250	0.030	4.6	<0.5	<1	<25	<2	<8
NOV								
19...	1200	<0.030	--	<0.5	--	--	<2	--
DEC								
18...	1145	0.040	1.7	--	<1	<25	<2	<8
JAN								
29...	1150	0.030	1.7	<0.5	<1	<25	<2	<8
FEB								
26...	1140	0.050	1.6	<0.5	<1	<25	<2	--
APR								
02...	1005	0.030	2.5	<0.5	<1	<25	<2	<8
23...	1045	<0.030	4.1	<0.5	<1	<25	<2	<8
MAY								
07...	1120	<0.030	3.7	<0.5	<1	<25	<2	<8
JUN								
25...	1130	0.040	2.7	<0.5	<1	<25	<2	--
JUL								
23...	1105	<0.030	3.2	<0.5	<1	<25	<2	<8
AUG								
27...	1130	--	5.3	<0.5	<1	<25	<2	<8
SEP								
24...	1225	0.090	3.1	<0.5	<1	<25	<2	<8

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI

LOCATION.--Lat 36°35'46", long 93°18'35", in NW¼, sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek, and 6.1 mi southwest of Branson.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
OCT											
02...	1130	80513	0.0	172	208	8.3	740	23.0	7.6	91	4.00
02...	1132	80513	10.0	172	208	8.3	740	23.0	7.4	89	--
02...	1134	80513	20.0	172	207	8.3	740	23.0	7.3	88	--
02...	1136	80513	30.0	172	207	8.3	740	23.0	7.3	88	--
02...	1138	80513	37.0	172	223	7.9	740	22.0	2.4	28	--
02...	1140	80513	40.0	172	236	7.7	740	21.0	0.5	6	--
02...	1142	80513	42.0	172	245	7.6	740	20.0	0.3	3	--
02...	1144	80513	44.0	172	246	7.5	740	19.0	0.2	2	--
02...	1146	80513	48.0	172	242	7.5	740	18.0	0.2	2	--
02...	1148	80513	50.0	172	241	7.5	740	18.0	0.2	2	--
02...	1150	80513	56.0	172	237	7.5	740	17.0	0.1	1	--
02...	1152	80513	60.0	172	233	7.5	740	17.0	0.1	1	--
02...	1154	80513	70.0	172	228	7.5	740	16.5	0.1	1	--
02...	1156	80513	80.0	172	221	7.5	740	16.0	0.1	1	--
02...	1158	80513	90.0	172	207	7.5	740	15.0	0.5	5	--
02...	1200	80513	100	172	194	7.5	740	15.0	1.0	10	--
02...	1202	80513	110	172	188	7.5	740	14.5	1.4	14	--
02...	1204	80513	120	172	176	7.5	740	14.0	1.7	17	--
02...	1206	80513	130	172	175	7.4	740	14.0	1.6	16	--
02...	1208	80513	140	172	174	7.4	740	13.5	0.9	9	--
02...	1210	80513	150	172	184	7.4	740	13.0	0.2	2	--
02...	1212	80513	160	172	190	7.3	740	13.0	0.1	1	--
02...	1214	80513	170	172	200	7.3	740	12.5	0.1	1	--
02...	1216	80513	172	172	205	7.3	740	12.0	0.1	1	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
OCT											
16...	1500	80513	0.0	173	213	8.2	758	21.0	7.8	88	5.20
16...	1501	80513	10.0	173	213	8.2	758	20.0	7.6	85	--
16...	1502	80513	20.0	173	212	8.2	758	20.0	7.5	83	--
16...	1503	80513	30.0	173	213	8.2	758	20.0	7.4	82	--
16...	1504	80513	40.0	173	214	8.1	758	20.0	7.2	80	--
16...	1506	80513	50.0	173	223	7.9	758	19.5	3.6	40	--
16...	1508	80513	52.0	173	240	7.7	758	18.5	0.3	3	--
16...	1509	80513	54.0	173	239	7.6	758	18.0	0.2	2	--
16...	1510	80513	58.0	173	237	7.6	758	17.0	0.1	1	--
16...	1512	80513	60.0	173	240	7.5	758	17.0	0.1	1	--
16...	1514	80513	70.0	173	231	7.5	758	16.5	0.1	1	--
16...	1515	80513	80.0	173	224	7.5	758	16.0	0.1	1	--
16...	1516	80513	90.0	173	216	7.5	758	15.5	0.1	1	--
16...	1517	80513	100	173	204	7.5	758	15.0	0.2	2	--
16...	1518	80513	110	173	192	7.5	758	15.0	0.4	4	--
16...	1519	80513	120	173	182	7.5	758	14.5	0.6	6	--
16...	1521	80513	130	173	175	7.5	758	14.0	0.6	6	--
16...	1522	80513	140	173	181	7.5	758	13.5	0.2	2	--
16...	1523	80513	150	173	186	7.4	758	13.0	0.1	1	--
16...	1524	80513	160	173	193	7.4	758	13.0	0.1	1	--
16...	1525	80513	170	173	204	7.4	758	12.5	0.1	1	--
16...	1526	80513	173	173	207	7.3	758	12.0	0.1	1	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
NOV											
01...	0845	80513	0.0	172	216	8.2	741	17.0	8.5	91	4.40
01...	0846	80513	10.0	172	218	8.1	741	17.5	8.2	88	--
01...	0847	80513	20.0	172	219	8.1	741	17.5	7.8	84	--
01...	0848	80513	30.0	172	218	8.0	741	17.0	7.5	80	--
01...	0849	80513	40.0	172	219	8.0	741	17.0	7.2	77	--
01...	0850	80513	50.0	172	219	8.0	741	17.0	7.1	76	--
01...	0851	80513	60.0	172	219	7.9	741	17.0	7.0	75	--
01...	0852	80513	70.0	172	221	7.7	741	17.0	4.6	48	--
01...	0853	80513	80.0	172	227	7.4	741	16.0	0.3	3	--
01...	0854	80513	90.0	172	218	7.4	741	15.5	0.2	2	--
01...	0856	80513	100	172	208	7.3	741	15.0	0.2	2	--
01...	0857	80513	110	172	195	7.3	741	14.5	0.2	2	--
01...	0858	80513	120	172	186	7.3	741	14.5	0.2	2	--
01...	0859	80513	130	172	184	7.2	741	14.0	0.2	2	--
01...	0900	80513	140	172	188	7.2	741	13.5	0.2	2	--
01...	0901	80513	150	172	185	7.2	741	13.5	0.2	2	--
01...	0902	80513	160	172	193	7.2	741	13.0	0.1	1	--
01...	0903	80513	170	172	204	7.2	741	12.5	0.1	1	--
01...	0904	80513	172	172	205	7.2	741	12.5	0.1	1	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
NOV											
06...	1145	80513	0.0	172	213	7.9	740	16.5	7.6	80	4.30
06...	1146	80513	10.0	172	213	7.9	740	16.5	7.4	78	--
06...	1147	80513	20.0	172	213	7.9	740	16.5	7.3	77	--
06...	1148	80513	30.0	172	213	7.9	740	16.5	7.2	76	--
06...	1149	80513	40.0	172	212	7.9	740	16.5	7.1	75	--
06...	1150	80513	50.0	172	213	7.9	740	16.5	7.0	74	--
06...	1151	80513	60.0	172	212	7.9	740	16.5	7.0	74	--
06...	1152	80513	70.0	172	212	7.8	740	16.5	6.3	67	--
06...	1153	80513	80.0	172	214	7.7	740	16.5	3.9	41	--
06...	1154	80513	90.0	172	210	7.6	740	15.5	0.4	4	--
06...	1155	80513	100	172	203	7.5	740	15.0	0.3	3	--
06...	1156	80513	110	172	189	7.5	740	14.5	0.3	3	--
06...	1157	80513	120	172	183	7.4	740	14.5	0.3	3	--
06...	1158	80513	130	172	187	7.4	740	14.0	0.3	3	--
06...	1159	80513	140	172	185	7.4	740	13.5	0.2	2	--
06...	1200	80513	150	172	181	7.3	740	13.5	0.2	2	--
06...	1201	80513	160	172	188	7.3	740	13.0	0.2	2	--
06...	1202	80513	170	172	201	7.3	740	12.5	0.2	2	--
06...	1203	80513	172	172	203	7.2	740	12.5	0.2	2	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV											
20...	0850	80513	0.0	170	213	7.7	740	15.0	6.8	69	6.20
20...	0852	80513	3.00	170	213	7.7	740	15.0	6.7	68	--
20...	0854	80513	10.0	170	213	7.7	740	15.0	6.6	68	--
20...	0856	80513	20.0	170	213	7.7	740	15.0	6.6	68	--
20...	0858	80513	30.0	170	213	7.7	740	15.0	6.6	68	--
20...	0900	80513	40.0	170	213	7.7	740	15.0	6.5	67	--
20...	0902	80513	50.0	170	211	7.7	740	15.0	6.5	67	--
20...	0904	80513	60.0	170	213	7.7	740	15.0	6.5	67	--
20...	0906	80513	70.0	170	213	7.6	740	15.0	6.4	65	--
20...	0908	80513	80.0	170	210	7.6	740	15.0	6.2	63	--
20...	0910	80513	90.0	170	211	7.6	740	15.0	5.2	53	--
20...	0912	80513	100	170	197	7.4	740	15.0	0.6	7	--
20...	0914	80513	110	170	188	7.2	740	14.5	0.2	2	--
20...	0916	80513	120	170	188	7.2	740	14.0	0.1	1	--
20...	0918	80513	130	170	184	7.1	740	14.0	0.1	1	--
20...	0920	80513	140	170	187	7.1	740	13.5	0.1	1	--
20...	0922	80513	150	170	190	7.1	740	13.0	0.1	1	--
20...	0924	80513	160	170	190	7.1	740	13.0	0.1	1	--
20...	0926	80513	170	170	205	7.1	740	12.5	0.1	1	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR											
19...	1300	80513	0.0	172	217	8.5	741	11.0	12.2	114	4.50
19...	1301	80513	10.0	172	218	8.6	741	10.0	12.3	112	--
19...	1302	80513	20.0	172	218	8.6	741	9.0	12.6	112	--
19...	1303	80513	30.0	172	217	8.6	741	8.5	12.2	106	--
19...	1304	80513	40.0	172	217	8.5	741	8.0	11.9	104	--
19...	1305	80513	50.0	172	216	8.5	741	8.0	11.8	102	--
19...	1306	80513	60.0	172	217	8.5	741	8.0	11.7	102	--
19...	1307	80513	70.0	172	216	8.6	741	8.0	11.6	101	--
19...	1308	80513	80.0	172	217	8.5	741	8.0	11.6	100	--
19...	1309	80513	90.0	172	216	8.5	741	8.0	11.5	100	--
19...	1310	80513	100	172	215	8.4	741	7.5	11.3	97	--
19...	1311	80513	110	172	216	8.3	741	7.5	10.9	93	--
19...	1312	80513	120	172	217	8.2	741	7.0	10.6	90	--
19...	1313	80513	130	172	216	8.2	741	7.0	10.4	88	--
19...	1314	80513	140	172	217	8.2	741	7.0	10.3	87	--
19...	1315	80513	150	172	220	8.1	741	6.5	9.9	84	--
19...	1316	80513	160	172	224	8.1	741	6.5	9.7	81	--
19...	1317	80513	170	172	224	8.0	741	6.5	9.3	77	--
19...	1318	80513	172	172	226	8.0	741	6.5	9.0	75	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
04...	0735	80513	80513	0.0	179	181	8.6	738	27.5	8.3	109
04...	0736	80513	80020	3.00	179	181	8.6	738	27.5	8.2	107
04...	0737	80513	80513	10.0	179	181	8.6	738	27.5	8.4	109
04...	0738	80513	80513	15.0	179	179	8.6	738	26.5	10.2	131
04...	0739	80513	80513	16.0	179	178	8.6	738	25.5	10.5	133
04...	0740	80513	80513	19.0	179	177	8.6	738	24.5	12.5	155
04...	0741	80513	80513	20.0	179	177	8.7	738	23.5	12.8	157
04...	0742	80513	80513	21.0	179	182	8.6	738	22.0	13.0	154
04...	0743	80513	80513	22.0	179	194	8.6	738	20.5	13.0	149
04...	0744	80513	80513	24.0	179	201	8.5	738	19.5	11.0	123
04...	0745	80513	81213	25.0	179	204	8.4	738	19.0	10.4	115
04...	0746	80513	80513	30.0	179	209	8.2	738	18.0	8.6	94
04...	0747	80513	80513	35.0	179	211	8.0	738	17.5	7.8	84
04...	0748	80513	80513	40.0	179	213	7.8	738	16.5	6.4	68
04...	0749	80513	80513	45.0	179	213	7.7	738	15.5	6.1	63
04...	0750	80513	80513	50.0	179	212	7.7	738	14.5	5.9	60
04...	0751	80513	80513	57.0	179	207	7.7	738	13.5	6.3	63
04...	0752	80513	80513	60.0	179	205	7.7	738	13.5	6.2	61
04...	0753	80513	80513	70.0	179	197	7.7	738	13.0	6.3	62
04...	0754	80513	80513	80.0	179	190	7.7	738	12.5	6.4	62
04...	0755	80513	80513	90.0	179	188	7.6	738	12.0	6.6	63
04...	0756	80513	81213	100	179	198	7.6	738	11.5	6.8	64
04...	0757	80513	80513	110	179	203	7.7	738	10.5	6.9	64
04...	0758	80513	80513	120	179	204	7.7	738	10.0	7.1	65
04...	0759	80513	80513	130	179	205	7.7	738	9.5	7.2	66
04...	0800	80513	80513	140	179	208	7.7	738	9.5	7.2	65
04...	0801	80513	80513	150	179	218	7.6	738	9.0	6.9	62
04...	0802	80513	80513	160	179	221	7.6	738	8.5	6.5	58
04...	0803	80513	80513	170	179	224	7.5	738	8.5	6.0	52
04...	0804	80513	80513	179	179	226	7.6	738	8.5	5.4	47

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
04...	0735	1.90	0	--	--	--	--	--	--
04...	0745	--	--	5	1.2	1.4	98	30	5.5
04...	0749	--	99	--	--	--	--	--	--
04...	0756	--	--	5	0.33	0.6	99	31	5.2

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	0736	--	--	--	--	--	--	1.90	0.100
04...	0745	78	0.010	0.070	<0.010	<0.010	0.020	--	--
04...	0756	98	<0.010	0.560	<0.010	<0.010	0.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL											
03...	0910	80513	0.0	175	183	8.5	738	28.5	8.2	110	2.50
03...	0911	80513	3.00	175	183	8.5	738	28.5	8.2	109	--
03...	0912	80513	10.0	175	183	8.5	738	28.5	8.1	109	--
03...	0913	80513	20.0	175	183	8.5	738	28.5	8.2	109	--
03...	0914	80513	22.0	175	189	8.5	738	27.5	10.3	135	--
03...	0915	80513	24.0	175	191	8.5	738	26.5	11.8	152	--
03...	0916	80513	25.0	175	200	8.5	738	25.5	12.1	154	--
03...	0917	80513	26.0	175	211	8.4	738	23.5	11.9	145	--
03...	0918	80513	27.0	175	216	8.4	738	22.0	11.1	132	--
03...	0919	80513	29.0	175	219	8.3	738	21.5	9.0	105	--
03...	0920	80513	30.0	175	223	8.1	738	20.5	8.0	93	--
03...	0921	80513	33.0	175	223	7.7	738	19.5	5.9	66	--
03...	0922	80513	35.0	175	221	7.6	738	18.5	5.1	56	--
03...	0923	80513	37.0	175	223	7.5	738	17.5	3.5	38	--
03...	0924	80513	40.0	175	225	7.5	738	17.0	3.1	33	--
03...	0925	80513	46.0	175	225	7.5	738	16.0	3.3	35	--
03...	0926	80513	50.0	175	223	7.5	738	15.5	3.6	37	--
03...	0927	80513	55.0	175	222	7.6	738	14.5	4.4	44	--
03...	0928	80513	60.0	175	218	7.6	738	14.0	4.8	48	--
03...	0929	80513	70.0	175	207	7.6	738	13.5	5.1	50	--
03...	0930	80513	80.0	175	193	7.6	738	12.5	5.5	53	--
03...	0931	80513	90.0	175	210	7.6	738	12.5	5.7	55	--
03...	0932	80513	100	175	214	7.7	738	12.0	5.9	56	--
03...	0933	80513	110	175	220	7.6	738	11.5	5.9	56	--
03...	0934	80513	120	175	217	7.7	738	10.5	6.3	58	--
03...	0935	80513	130	175	211	7.7	738	10.0	6.6	61	--
03...	0936	80513	140	175	215	7.7	738	10.0	6.6	60	--
03...	0937	80513	150	175	218	7.6	738	9.5	6.1	55	--
03...	0938	80513	160	175	227	7.6	738	9.0	5.2	46	--
03...	0939	80513	170	175	228	7.5	738	9.0	4.5	40	--
03...	0940	80513	175	--	229	7.5	738	8.5	4.1	36	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG											
15...	0735	80513	80513	0.0	175	186	8.7	739	27.0	7.4	96
15...	0736	80513	80020	3.00	175	187	8.7	739	27.0	7.3	95
15...	0738	80513	80513	10.0	175	187	8.7	739	27.0	7.3	95
15...	0739	80513	80513	20.0	175	187	8.6	739	27.0	7.3	95
15...	0740	80513	81213	25.0	175	187	8.6	739	27.0	7.3	95
15...	0741	80513	80513	26.0	175	200	8.4	739	25.5	6.8	86
15...	0742	80513	80513	27.0	175	211	8.2	739	24.0	6.3	78
15...	0743	80513	80513	30.0	175	223	7.8	739	23.0	3.9	47
15...	0744	80513	80513	31.0	175	220	7.7	739	22.5	4.8	57
15...	0745	80513	80513	32.0	175	222	7.6	739	21.0	3.9	45
15...	0746	80513	80513	40.0	175	229	7.5	739	20.5	1.9	22
15...	0747	80513	80513	41.0	175	228	7.5	739	18.0	1.2	13
15...	0748	80513	80513	45.0	175	228	7.4	739	16.5	1.3	14
15...	0749	80513	80513	50.0	175	225	7.4	739	15.5	1.5	16
15...	0750	80513	80513	60.0	175	221	7.5	739	14.5	2.5	25
15...	0751	80513	80513	70.0	175	208	7.5	739	13.5	3.6	36
15...	0752	80513	80513	80.0	175	198	7.6	739	13.0	4.1	40
15...	0753	80513	80513	90.0	175	188	7.6	739	12.5	4.6	44
15...	0754	80513	81213	100	175	192	7.6	739	12.0	4.8	46
15...	0755	80513	80513	110	175	207	7.6	739	12.0	4.9	47
15...	0756	80513	80513	120	175	211	7.6	739	11.5	5.0	47
15...	0757	80513	80513	130	175	212	7.6	739	11.0	5.2	48
15...	0758	80513	80513	140	175	225	7.6	739	10.5	4.4	41
15...	0759	80513	80513	150	175	225	7.6	739	9.5	3.9	35
15...	0800	80513	80513	160	175	231	7.5	739	9.5	3.7	33
15...	0801	80513	80513	170	175	234	7.4	739	9.0	2.2	20
15...	0802	80513	80513	175	175	231	7.4	739	9.0	1.9	17

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
15...	0735	3.30	0	--	--	--	--	--	--
15...	0740	--	--	10	0.68	0.4	92	28	5.4
15...	0754	--	--	5	0.34	0.3	94	30	4.7

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
15...	0736	--	--	--	--	--	--	2.30	<0.100
15...	0740	128	<0.010	<0.020	<0.010	0.050	<0.010	--	--
15...	0754	134	<0.010	0.490	0.010	0.030	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
AUG											
20...	0715	80513	0.0	202	188	8.4	739	26.5	7.4	95	3.10
20...	0716	80513	10.0	202	189	8.4	739	26.5	7.3	94	--
20...	0717	80513	20.0	202	189	8.4	739	26.5	7.2	93	--
20...	0718	80513	28.0	202	199	8.2	739	25.5	6.0	76	--
20...	0719	80513	29.0	202	210	7.9	739	24.5	5.5	68	--
20...	0720	80513	30.0	202	215	7.8	739	23.5	4.9	60	--
20...	0721	80513	33.0	202	222	7.6	739	22.5	3.5	42	--
20...	0722	80513	34.0	202	224	7.5	739	21.5	2.9	34	--
20...	0723	80513	36.0	202	225	7.4	739	20.5	2.2	25	--
20...	0724	80513	38.0	202	229	7.3	739	19.5	1.2	13	--
20...	0725	80513	40.0	202	229	7.3	739	19.0	1.0	11	--
20...	0726	80513	43.0	202	230	7.3	739	17.5	1.0	11	--
20...	0727	80513	46.0	202	228	7.3	739	17.0	1.0	11	--
20...	0728	80513	50.0	202	227	7.3	739	16.0	1.1	12	--
20...	0729	80513	56.0	202	226	7.4	739	15.0	1.6	16	--
20...	0730	80513	60.0	202	222	7.4	739	14.5	2.0	20	--
20...	0731	80513	70.0	202	212	7.5	739	13.5	3.0	30	--
20...	0732	80513	80.0	202	193	7.5	739	13.0	3.7	36	--
20...	0733	80513	90.0	202	183	7.6	739	12.5	4.2	41	--
20...	0734	80513	100	202	192	7.6	739	12.0	4.4	42	--
20...	0735	80513	110	202	190	7.6	739	11.5	4.6	44	--
20...	0736	80513	120	202	194	7.6	739	11.0	4.8	45	--
20...	0737	80513	130	202	211	7.6	739	11.0	4.8	45	--
20...	0738	80513	140	202	213	7.6	739	10.5	4.6	42	--
20...	0739	80513	150	202	218	7.5	739	10.0	3.9	35	--
20...	0740	80513	160	202	231	7.5	739	9.5	2.8	25	--
20...	0741	80513	170	202	233	7.4	739	9.0	1.7	15	--
20...	0742	80513	180	202	236	7.4	739	9.0	1.4	12	--
20...	0743	80513	190	202	240	7.4	739	9.0	1.3	12	--
20...	0744	80513	200	202	237	7.4	739	8.5	2.0	18	--
20...	0745	80513	202	202	237	7.4	739	8.5	1.3	12	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MISSOURI--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP											
06...	0655	80513	0.0	174	187	8.5	740	25.5	8.0	102	3.80
06...	0656	80513	10.0	174	187	8.5	740	26.0	8.0	101	--
06...	0657	80513	20.0	174	187	8.5	740	26.0	8.0	101	--
06...	0658	80513	26.0	174	211	7.6	740	24.5	2.0	25	--
06...	0659	80513	30.0	174	222	7.4	740	23.5	0.7	8	--
06...	0700	80513	34.0	174	225	7.4	740	22.5	0.4	4	--
06...	0701	80513	35.0	174	225	7.3	740	21.5	0.3	3	--
06...	0702	80513	36.0	174	228	7.3	740	20.5	0.4	5	--
06...	0703	80513	38.0	174	230	7.4	740	19.5	0.5	5	--
06...	0704	80513	40.0	174	230	7.4	740	18.5	0.4	4	--
06...	0705	80513	45.0	174	230	7.4	740	17.5	0.3	3	--
06...	0706	80513	50.0	174	227	7.4	740	16.5	0.3	3	--
06...	0707	80513	55.0	174	224	7.4	740	15.5	0.3	3	--
06...	0708	80513	60.0	174	222	7.4	740	15.0	0.4	4	--
06...	0709	80513	70.0	174	213	7.4	740	14.0	1.6	16	--
06...	0710	80513	80.0	174	202	7.4	740	13.5	2.4	24	--
06...	0711	80513	90.0	174	181	7.5	740	13.0	2.9	28	--
06...	0712	80513	100	174	172	7.5	740	12.5	3.2	31	--
06...	0713	80513	110	174	176	7.4	740	12.0	3.4	32	--
06...	0714	80513	120	174	180	7.5	740	11.5	3.5	33	--
06...	0715	80513	130	174	199	7.5	740	11.5	3.6	34	--
06...	0716	80513	140	174	209	7.5	740	10.5	3.4	31	--
06...	0717	80513	150	174	213	7.4	740	10.0	2.3	21	--
06...	0718	80513	160	174	223	7.4	740	10.0	0.8	7	--
06...	0719	80513	170	174	229	7.3	740	9.5	0.5	4	--
06...	0720	80513	174	174	232	7.4	740	9.5	0.4	4	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
SEP											
17...	0900	80513	0.0	177	200	8.6	741	26.5	8.0	102	3.30
17...	0902	80513	10.0	177	201	8.5	741	27.0	7.7	99	--
17...	0903	80513	20.0	177	202	8.5	741	27.0	7.6	97	--
17...	0904	80513	25.0	177	211	7.9	741	25.5	4.0	51	--
17...	0905	80513	30.0	177	222	7.7	741	25.0	1.8	23	--
17...	0906	80513	31.0	177	227	7.5	741	24.0	0.7	9	--
17...	0907	80513	35.0	177	231	7.5	741	22.5	0.3	4	--
17...	0908	80513	37.0	177	234	7.5	741	21.5	0.5	6	--
17...	0909	80513	39.0	177	237	7.5	741	20.5	0.4	5	--
17...	0910	80513	40.0	177	238	7.5	741	20.0	0.2	2	--
17...	0911	80513	43.0	177	244	7.4	741	18.5	0.1	1	--
17...	0912	80513	45.0	177	241	7.4	741	18.0	0.1	1	--
17...	0913	80513	50.0	177	241	7.4	741	17.0	0.1	1	--
17...	0914	80513	55.0	177	228	7.4	741	16.0	0.1	1	--
17...	0915	80513	60.0	177	232	7.4	741	15.0	0.1	1	--
17...	0916	80513	70.0	177	224	7.4	741	14.0	0.6	6	--
17...	0918	80513	80.0	177	203	7.4	741	13.5	1.5	14	--
17...	0919	80513	90.0	177	186	7.4	741	13.0	2.2	22	--
17...	0920	80513	100	177	195	7.4	741	12.5	2.8	27	--
17...	0921	80513	110	177	183	7.4	741	12.0	3.0	29	--
17...	0922	80513	120	177	189	7.4	741	12.0	3.1	30	--
17...	0923	80513	130	177	190	7.4	741	11.5	3.3	31	--
17...	0924	80513	140	177	208	7.3	741	11.0	2.9	27	--
17...	0925	80513	150	177	232	7.3	741	10.5	0.8	7	--
17...	0926	80513	160	177	226	7.3	741	10.0	0.2	1	--
17...	0927	80513	170	177	234	7.3	741	9.5	0.1	1	--
17...	0928	80513	177	177	250	7.3	741	9.5	0.1	1	--

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

LOCATION.--Lat 36°35'40", long 93°18'33", in NW¼ sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi upstream from Fall Creek and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
02...	1100	80513	80020	191	7.7	745	14.5	6.3	63
16...	1435	80513	80020	191	7.8	758	15.0	5.1	50
NOV									
01...	0800	80513	80020	200	7.4	746	14.0	5.0	50
06...	1130	80513	80020	201	7.0	746	15.0	6.6	67
20...	0940	80513	80020	191	7.6	745	14.0	7.9	78
MAR									
19...	1230	80513	80513	221	7.8	746	7.5	12.3	105
JUN									
04...	0710	80513	81213	224	7.5	743	10.0	8.1	74
JUL									
03...	1000	80513	80513	225	7.7	743	11.0	9.0	84
AUG									
15...	0710	80513	81213	223	7.6	743	11.0	6.5	60
20...	0800	80513	80513	224	7.7	743	11.0	6.5	60
SEP									
06...	0630	80513	80513	213	7.3	746	11.5	4.8	45
17...	0840	80513	80513	210	7.3	745	12.5	5.2	50

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN								
04...	0710	27	5	0.33	1.1	110	34	5.6
AUG								
15...	0710	1	5	0.40	1.0	110	36	5.9

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN							
04...	0710	108	<0.010	0.780	<0.010	<0.010	0.020
AUG							
15...	0710	126	<0.010	0.620	0.020	0.030	0.010

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS

LOCATION.--Lat 36°21'56", long 92°34'29", in NW¼ 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 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT											
22...	1125	80513	0.0	170	252	7.9	749	19.0	5.7	63	5.20
22...	1126	80513	10.0	170	253	7.9	749	19.0	5.7	63	--
22...	1127	80513	20.0	170	254	7.8	749	19.0	5.8	63	--
22...	1128	80513	30.0	170	254	7.8	749	19.0	5.7	63	--
22...	1129	80513	40.0	170	252	7.8	749	19.0	5.4	60	--
22...	1130	80513	50.0	170	253	7.8	749	19.0	5.4	59	--
22...	1131	80513	60.0	170	253	7.8	749	19.0	5.5	61	--
22...	1132	80513	70.0	170	251	7.7	749	19.0	5.1	56	--
22...	1133	80513	75.0	170	248	7.5	749	19.0	4.9	54	--
22...	1134	80513	76.0	170	250	7.6	749	19.0	4.6	51	--
22...	1135	80513	78.0	170	241	7.5	749	19.0	1.8	20	--
22...	1136	80513	80.0	170	230	7.4	749	18.5	0.2	2	--
22...	1137	80513	87.0	170	232	7.3	749	17.5	0.1	1	--
22...	1138	80513	90.0	170	234	7.3	749	17.5	0.1	1	--
22...	1139	80513	100	170	235	7.3	749	16.5	0.1	1	--
22...	1140	80513	110	170	239	7.3	749	16.0	0.4	4	--
22...	1141	80513	120	170	237	7.3	749	15.5	0.5	6	--
22...	1142	80513	130	170	234	7.3	749	15.0	0.2	2	--
22...	1143	80513	140	170	238	7.2	749	14.5	0.1	1	--
22...	1144	80513	150	170	254	7.3	749	13.5	0.1	1	--
22...	1145	80513	160	170	260	7.3	749	12.5	0.1	1	--
22...	1146	80513	170	170	265	7.4	749	11.0	0.1	1	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
NOV											
01...	1315	80513	0.0	166	251	7.2	747	18.5	6.7	73	4.90
01...	1316	80513	10.0	166	253	7.5	747	18.0	6.4	69	--
01...	1317	80513	20.0	166	252	7.6	747	18.0	6.3	68	--
01...	1318	80513	30.0	166	252	7.6	747	18.0	6.2	67	--
01...	1319	80513	40.0	166	251	7.6	747	18.0	6.1	66	--
01...	1320	80513	50.0	166	252	7.7	747	18.0	6.1	66	--
01...	1321	80513	60.0	166	252	7.7	747	18.0	5.9	64	--
01...	1322	80513	70.0	166	253	7.7	747	18.0	5.8	63	--
01...	1323	80513	80.0	166	250	7.6	747	18.0	3.7	39	--
01...	1324	80513	85.0	166	235	7.3	747	17.5	0.2	2	--
01...	1325	80513	90.0	166	233	7.4	747	17.0	0.3	3	--
01...	1326	80513	100	166	234	7.3	747	16.0	0.2	2	--
01...	1327	80513	110	166	237	7.3	747	16.0	0.1	1	--
01...	1328	80513	120	166	237	7.3	747	15.5	0.2	2	--
01...	1329	80513	130	166	238	7.2	747	15.0	0.2	2	--
01...	1330	80513	140	166	243	7.2	747	14.0	0.2	2	--
01...	1331	80513	150	166	251	7.3	747	13.5	0.2	2	--
01...	1332	80513	160	166	263	7.3	747	12.5	0.2	1	--
01...	1333	80513	166	166	265	7.3	747	11.5	0.2	1	--
19...	1400	80513	0.0	167	242	7.7	746	16.5	7.4	77	6.40
19...	1402	80513	3.00	167	243	7.6	746	16.5	7.1	74	--
19...	1404	80513	10.0	167	244	7.6	746	16.0	6.9	72	--
19...	1406	80513	20.0	167	243	7.6	746	16.0	6.7	69	--
19...	1408	80513	30.0	167	243	7.6	746	16.0	6.7	69	--
19...	1410	80513	40.0	167	243	7.6	746	16.0	6.6	69	--
19...	1412	80513	50.0	167	243	7.6	746	16.0	6.6	68	--
19...	1414	80513	60.0	167	243	7.6	746	16.0	6.5	68	--
19...	1416	80513	70.0	167	243	7.6	746	16.0	6.5	68	--
19...	1418	80513	80.0	167	243	7.6	746	16.0	6.3	66	--
19...	1420	80513	90.0	167	242	7.5	746	16.0	5.6	58	--
19...	1422	80513	100	167	241	7.4	746	15.5	3.4	35	--
19...	1424	80513	110	167	238	7.3	746	15.5	1.8	18	--
19...	1426	80513	120	167	233	7.2	746	15.0	0.2	2	--
19...	1428	80513	130	167	237	7.1	746	14.5	0.2	2	--
19...	1430	80513	140	167	240	7.1	746	14.0	0.1	1	--
19...	1432	80513	150	167	246	7.1	746	13.5	0.1	1	--
19...	1434	80513	160	167	257	7.1	746	12.5	0.1	1	--
19...	1436	80513	167	167	264	7.2	746	11.5	0.1	1	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
MAR											
18...	1345	80513	0.0	170	242	8.6	749	9.0	12.8	114	3.80
18...	1346	80513	10.0	170	242	8.6	749	9.0	12.4	108	--
18...	1347	80513	20.0	170	241	8.6	749	8.5	12.3	107	--
18...	1348	80513	30.0	170	241	8.7	749	8.5	12.2	106	--
18...	1349	80513	40.0	170	240	8.7	749	8.5	12.1	105	--
18...	1350	80513	50.0	170	240	8.7	749	8.5	12.1	105	--
18...	1351	80513	60.0	170	239	8.6	749	8.5	12.0	104	--
18...	1352	80513	70.0	170	240	8.6	749	8.5	11.9	103	--
18...	1353	80513	80.0	170	239	8.6	749	8.0	11.8	102	--
18...	1354	80513	70.0	170	238	8.6	749	8.0	11.7	101	--
18...	1355	80513	100	170	236	8.6	749	8.0	11.7	100	--
18...	1356	80513	110	170	236	8.6	749	8.0	11.5	98	--
18...	1357	80513	120	170	238	8.5	749	8.0	11.5	98	--
18...	1358	80513	130	170	236	8.5	749	7.5	11.4	97	--
18...	1359	80513	140	170	236	8.5	749	7.5	11.2	95	--
18...	1400	80513	150	170	234	8.4	749	7.0	10.5	88	--
18...	1401	80513	160	170	234	8.3	749	6.5	10.1	84	--
18...	1402	80513	170	170	233	8.2	749	6.5	9.8	81	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
05...	0820	80513	80513	0.0	190	233	8.3	748	28.5	7.9	104
05...	0821	80513	80020	3.00	190	234	8.3	748	28.5	7.9	103
05...	0822	80513	80513	10.0	190	233	8.4	748	28.0	9.1	119
05...	0823	80513	80513	12.0	190	233	8.3	748	27.5	9.3	120
05...	0824	80513	80513	15.0	190	231	8.4	748	26.5	10.1	129
05...	0825	80513	80513	16.0	190	230	8.4	748	25.0	11.2	139
05...	0826	80513	80513	17.0	190	228	8.4	748	23.0	12.3	146
05...	0827	80513	80513	18.0	190	229	8.4	748	22.5	12.4	146
05...	0828	80513	80513	20.0	190	231	8.4	748	21.5	12.4	143
05...	0829	80513	80513	22.0	190	233	8.4	748	21.0	11.1	126
05...	0830	80513	80513	24.0	190	234	8.4	748	19.5	11.2	124
05...	0831	80513	81213	25.0	190	236	8.4	748	19.5	11.0	122
05...	0832	80513	80513	27.0	190	237	8.4	748	19.0	10.4	114
05...	0833	80513	80513	30.0	190	237	8.4	748	18.5	9.9	108
05...	0834	80513	80513	35.0	190	238	8.2	748	17.5	9.2	98
05...	0835	80513	80513	40.0	190	239	8.0	748	16.5	8.3	86
05...	0836	80513	80513	45.0	190	242	7.9	748	15.0	7.9	80
05...	0837	80513	80513	50.0	190	240	7.9	748	14.5	7.6	76
05...	0838	80513	80513	55.0	190	241	7.8	748	14.0	7.5	73
05...	0839	80513	80513	60.0	190	240	7.8	748	13.5	7.5	73
05...	0840	80513	80513	70.0	190	241	7.8	748	12.5	6.9	66
05...	0841	80513	80513	80.0	190	240	7.7	748	12.0	6.8	64
05...	0842	80513	80513	90.0	190	239	7.7	748	11.0	7.2	67
05...	0843	80513	81213	100	190	239	7.7	748	10.5	7.4	68
05...	0844	80513	80513	110	190	237	7.7	748	10.0	7.3	66
05...	0845	80513	80513	120	190	237	7.7	748	10.0	7.3	65
05...	0846	80513	80513	130	190	236	7.7	748	9.5	7.5	66
05...	0847	80513	80513	140	190	236	7.7	748	8.5	7.8	68
05...	0848	80513	80513	150	190	236	7.7	748	8.5	7.7	67
05...	0849	80513	80513	160	190	235	7.7	748	8.0	7.6	66
05...	0850	80513	80513	170	190	237	7.7	748	8.0	7.7	66
05...	0851	80513	80513	180	190	238	7.7	748	8.0	6.9	59
05...	0852	80513	80513	190	190	238	7.6	748	7.5	5.9	50

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
05...	0820	4.40	0	--	--	--	--	--	--
05...	0831	--	--	5	1.0	0.6	120	34	9.4
05...	0843	--	--	5	0.27	0.5	130	36	9.0

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
05...	0821	--	--	--	--	--	--	0.700	<0.200
05...	0831	108	<0.010	0.060	<0.010	<0.010	0.010	--	--
05...	0843	108	<0.010	0.330	<0.010	<0.010	0.010	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL											
02...	1445	80513	0.0	183	231	8.2	745	29.5	7.8	105	3.00
02...	1446	80513	3.00	183	231	8.2	745	29.0	7.8	105	--
02...	1447	80513	10.0	183	230	8.2	745	29.0	7.9	106	--
02...	1448	80513	20.0	183	231	8.2	745	29.0	7.9	105	--
02...	1449	80513	21.0	183	227	8.2	745	26.5	11.8	150	--
02...	1450	80513	23.0	183	226	8.2	745	25.5	12.5	155	--
02...	1451	80513	25.0	183	228	8.2	745	24.5	12.5	154	--
02...	1452	80513	26.0	183	227	8.3	745	22.5	12.6	150	--
02...	1453	80513	28.0	183	226	8.3	745	21.5	12.4	145	--
02...	1454	80513	30.0	183	228	8.3	745	21.0	12.0	138	--
02...	1455	80513	33.0	183	235	8.2	745	20.0	10.5	117	--
02...	1456	80513	35.0	183	238	8.2	745	19.0	9.5	105	--
02...	1457	80513	40.0	183	242	8.1	745	18.0	8.2	89	--
02...	1458	80513	45.0	183	243	8.0	745	17.0	7.6	81	--
02...	1459	80513	50.0	183	242	7.9	745	16.5	6.9	73	--
02...	1500	80513	60.0	183	245	7.7	745	15.5	5.9	60	--
02...	1501	80513	70.0	183	249	7.6	745	14.5	5.8	57	--
02...	1502	80513	80.0	183	247	7.6	745	13.5	5.7	56	--
02...	1503	80513	90.0	183	248	7.6	745	12.5	5.5	53	--
02...	1504	80513	100	183	245	7.6	745	12.5	5.4	52	--
02...	1505	80513	110	183	245	7.6	745	11.5	5.6	53	--
02...	1506	80513	120	183	243	7.6	745	11.0	5.9	54	--
02...	1507	80513	130	183	244	7.6	745	10.0	6.0	54	--
02...	1508	80513	140	183	243	7.6	745	9.5	6.1	55	--
02...	1509	80513	150	183	244	7.6	745	9.0	5.8	52	--
02...	1510	80513	160	183	243	7.6	745	9.0	5.4	48	--
02...	1511	80513	170	183	243	7.6	745	8.5	4.8	42	--
02...	1512	80513	180	183	244	7.5	745	8.5	4.3	38	--
02...	1513	80513	183	183	244	7.6	745	8.5	3.9	34	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG											
01...	0800	80513	80513	0.0	173	241	8.5	750	28.5	9.8	128
01...	0801	80513	80020	3.00	173	241	8.5	750	28.5	9.7	127
01...	0802	80513	80513	10.0	173	240	8.5	750	28.5	9.9	129
01...	0803	80513	80513	20.0	173	239	8.5	750	28.0	9.9	129
01...	0804	80513	80020	25.0	173	242	8.4	750	27.0	13.1	168
01...	0805	80513	80513	26.0	173	241	8.4	750	26.0	14.2	178
01...	0806	80513	80513	27.0	173	240	8.4	750	25.0	14.7	182
01...	0807	80513	80513	28.0	173	239	8.4	750	24.5	14.8	181
01...	0808	80513	80513	30.0	173	240	8.4	750	23.5	14.7	177
01...	0809	80513	80513	31.0	173	239	8.4	750	22.5	14.3	168
01...	0810	80513	80513	34.0	173	242	8.4	750	21.5	13.6	158
01...	0811	80513	80513	37.0	173	247	8.3	750	20.5	12.0	135
01...	0812	80513	80513	40.0	173	250	8.3	750	19.5	10.8	119
01...	0813	80513	80513	45.0	173	254	8.1	750	18.5	9.0	98
01...	0814	80513	80513	50.0	173	258	7.9	750	17.5	7.2	77
01...	0815	80513	80513	55.0	173	264	7.8	750	17.0	5.6	58
01...	0816	80513	80513	60.0	173	267	7.7	750	16.0	4.9	51
01...	0817	80513	80513	70.0	173	266	7.7	750	15.0	5.1	52
01...	0818	80513	80513	80.0	173	263	7.7	750	14.0	5.8	57
01...	0819	80513	80513	90.0	173	261	7.7	750	13.5	6.1	59
01...	0820	80513	80020	100	173	260	7.8	750	12.5	5.8	56
01...	0821	80513	80513	110	173	261	7.8	750	12.0	5.6	53
01...	0822	80513	80513	120	173	264	7.8	750	11.5	5.5	51
01...	0823	80513	80513	130	173	259	7.8	750	10.5	5.4	49
01...	0824	80513	80513	140	173	260	7.8	750	10.0	4.7	42
01...	0825	80513	80513	150	173	262	7.7	750	9.5	3.9	35
01...	0826	80513	80513	160	173	258	7.7	750	9.0	3.1	27
01...	0827	80513	80513	170	173	259	7.6	750	9.0	2.5	22
01...	0828	80513	80513	173	173	262	7.6	750	8.5	1.7	14

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
01...	0800	6.20	0	--	--	--	--	--	--
01...	0804	--	--	1	0.60	1.2	120	30	10
01...	0820	--	--	2	0.60	0.8	130	36	8.7

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
01...	0801	--	--	--	--	--	--	5.00	<0.100
01...	0804	122	<0.010	<0.050	<0.010	0.020	<0.010	--	--
01...	0820	126	<0.010	0.450	<0.010	<0.010	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
AUG											
20...	1212	80513	0.0	174	228	8.2	753	28.0	8.4	109	5.60
20...	1213	80513	10.0	174	229	8.3	753	28.0	8.4	109	--
20...	1214	80513	20.0	174	230	8.3	753	28.0	8.4	108	--
20...	1215	80513	30.0	174	230	8.3	753	28.0	8.3	107	--
20...	1216	80513	31.0	174	230	8.2	753	27.5	9.1	117	--
20...	1217	80513	32.0	174	234	8.2	753	26.0	11.4	143	--
20...	1218	80513	33.0	174	233	8.2	753	25.0	11.9	146	--
20...	1219	80513	34.0	174	234	8.2	753	24.0	11.9	144	--
20...	1220	80513	35.0	174	235	8.2	753	23.5	11.6	138	--
20...	1221	80513	37.0	174	238	8.1	753	22.5	10.8	127	--
20...	1222	80513	40.0	174	240	8.1	753	21.5	10.3	118	--
20...	1223	80513	45.0	174	244	7.9	753	20.5	8.7	98	--
20...	1224	80513	48.0	174	246	7.7	753	19.5	7.3	80	--
20...	1225	80513	50.0	174	248	7.6	753	18.5	6.6	72	--
20...	1226	80513	55.0	174	255	7.5	753	17.5	5.1	54	--
20...	1227	80513	60.0	174	257	7.4	753	16.5	4.3	45	--
20...	1228	80513	70.0	174	259	7.4	753	15.5	4.3	43	--
20...	1229	80513	80.0	174	257	7.4	753	14.5	4.9	48	--
20...	1230	80513	90.0	174	254	7.5	753	13.5	5.2	51	--
20...	1231	80513	100	174	255	7.5	753	13.0	5.3	51	--
20...	1232	80513	110	174	254	7.5	753	12.0	5.3	50	--
20...	1233	80513	120	174	253	7.5	753	11.5	5.0	46	--
20...	1234	80513	130	174	253	7.5	753	11.0	4.6	42	--
20...	1235	80513	140	174	254	7.5	753	10.5	4.1	37	--
20...	1236	80513	150	174	255	7.5	753	10.0	3.8	34	--
20...	1237	80513	160	174	257	7.5	753	9.5	3.2	28	--
20...	1238	80513	170	174	254	7.5	753	9.0	2.5	21	--
20...	1239	80513	174	174	256	7.5	753	8.5	2.0	17	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP											
05...	1525	80513	0.0	173	229	8.4	745	27.0	9.0	116	5.50
05...	1530	80513	10.0	173	229	8.5	745	27.0	9.1	117	--
05...	1531	80513	20.0	173	228	8.5	745	27.0	9.1	117	--
05...	1532	80513	27.0	173	245	8.3	745	26.0	10.4	131	--
05...	1533	80513	29.0	173	241	8.3	745	24.5	11.6	143	--
05...	1534	80513	30.0	173	236	8.3	745	24.5	11.9	145	--
05...	1535	80513	33.0	173	239	8.2	745	23.5	10.9	132	--
05...	1536	80513	36.0	173	239	8.1	745	22.5	10.5	124	--
05...	1537	80513	40.0	173	240	8.0	745	22.0	9.6	112	--
05...	1538	80513	45.0	173	243	7.9	745	20.5	7.4	84	--
05...	1539	80513	50.0	173	247	7.7	745	19.5	5.8	65	--
05...	1540	80513	55.0	173	250	7.6	745	18.5	4.5	49	--
05...	1541	80513	60.0	173	254	7.5	745	18.0	3.1	33	--
05...	1542	80513	70.0	173	259	7.5	745	16.5	2.4	25	--
05...	1543	80513	80.0	173	260	7.5	745	15.5	2.7	28	--
05...	1544	80513	90.0	173	256	7.5	745	14.5	3.5	35	--
05...	1545	80513	100	173	251	7.5	745	13.5	3.9	39	--
05...	1546	80513	110	173	252	7.5	745	13.0	3.9	38	--
05...	1547	80513	120	173	253	7.5	745	12.0	3.5	34	--
05...	1548	80513	130	173	252	7.5	745	11.5	2.9	27	--
05...	1549	80513	140	173	252	7.5	745	11.0	2.4	22	--
05...	1550	80513	150	173	251	7.5	745	10.0	1.8	16	--
05...	1551	80513	160	173	251	7.4	745	9.5	1.0	9	--
05...	1552	80513	170	173	252	7.4	745	9.5	0.6	5	--
05...	1553	80513	173	173	256	7.5	745	9.0	0.5	4	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP											
17...	1215	80513	0.0	170	239	8.7	747	27.0	9.1	117	3.70
17...	1216	80513	10.0	170	240	9.0	747	27.0	8.9	115	--
17...	1217	80513	20.0	170	238	8.7	747	27.0	8.7	113	--
17...	1218	80513	30.0	170	235	8.6	747	27.0	8.7	112	--
17...	1219	80513	32.0	170	255	8.5	747	27.0	9.5	121	--
17...	1220	80513	33.0	170	259	8.3	747	25.5	9.3	116	--
17...	1221	80513	34.0	170	269	8.3	747	25.0	9.0	111	--
17...	1222	80513	35.0	170	297	8.1	747	24.0	8.3	101	--
17...	1223	80513	37.0	170	320	8.2	747	23.0	8.7	104	--
17...	1224	80513	40.0	170	351	8.1	747	22.0	8.0	93	--
17...	1225	80513	43.0	170	333	8.0	747	21.0	6.8	77	--
17...	1226	80513	47.0	170	259	7.8	747	20.0	5.2	58	--
17...	1227	80513	50.0	170	255	7.8	747	19.5	5.0	56	--
17...	1228	80513	55.0	170	261	7.7	747	18.5	3.2	35	--
17...	1229	80513	60.0	170	267	7.7	747	18.0	2.3	24	--
17...	1230	80513	65.0	170	271	7.6	747	17.0	1.6	17	--
17...	1231	80513	70.0	170	274	7.6	747	16.5	1.3	14	--
17...	1232	80513	75.0	170	275	7.6	747	16.0	1.4	14	--
17...	1233	80513	80.0	170	275	7.6	747	15.5	1.7	17	--
17...	1234	80513	90.0	170	268	7.6	747	15.0	2.4	24	--
17...	1235	80513	100	170	264	7.6	747	14.0	3.0	30	--
17...	1236	80513	110	170	261	7.6	747	13.0	3.1	30	--
17...	1237	80513	120	170	269	7.6	747	12.5	2.8	27	--
17...	1238	80513	130	170	266	7.6	747	11.5	1.7	16	--
17...	1239	80513	140	170	265	7.6	747	10.5	0.9	8	--
17...	1240	80513	150	170	269	7.5	747	10.0	0.7	6	--
17...	1241	80513	160	170	278	7.5	747	9.5	0.3	3	--
17...	1242	80513	170	170	272	7.5	747	9.0	0.1	1	--

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, ARKANSAS

LOCATION.--Lat 36°21'56", long 92°34'29", in NW¼ 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 to September 1991.
DISSOLVED OXYGEN: May to September 1991.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT									
22...	1055	80513	80020	244	7.5	755	16.5	2.9	30
NOV									
01...	1400	80513	80020	244	7.4	751	16.0	3.2	33
19...	1445	80513	80020	242	7.5	751	16.0	5.4	55
MAR									
18...	1325	80513	80513	242	8.6	754	9.0	13.7	120

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN									
05...	0730	80513	81213	249	7.5	753	9.5	8.6	77
JUL									
02...	1530	80513	80513	248	7.6	750	11.0	6.6	61

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN								
05...	0730	5	5	0.15	1.1	120	35	9.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN							
05...	0730	128	<0.010	0.250	<0.010	<0.010	0.010

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL									
24...	1640	80513	80513	0.40	0.80	11.0	750	17.5	13.0
24...	1642	80513	80513	0.50	1.00	34.0	750	15.5	12.4
24...	1644	80513	80513	0.50	1.00	57.0	750	13.0	10.9
24...	1646	80513	80513	0.40	0.80	80.0	750	13.0	10.8
24...	1648	80513	80513	0.50	1.00	103	750	12.5	10.6
24...	1650	80513	80513	1.00	2.00	126	750	12.5	9.9
24...	1652	80513	80513	0.50	1.00	149	750	12.0	9.2
24...	1654	80513	80513	0.25	0.50	172	750	12.0	9.2
24...	1656	80513	80513	0.25	0.50	195	750	12.0	9.1
24...	1658	80513	80513	1.00	2.00	218	750	12.0	8.9
25...	0710	80513	80513	0.50	1.00	209	750	11.5	5.6
25...	0712	80513	80513	0.50	1.00	187	750	11.5	5.7
25...	0714	80513	80513	0.50	1.00	165	750	11.5	5.6
25...	0716	80513	80513	1.00	2.00	143	750	11.0	5.6
25...	0720	80513	80513	0.50	1.00	121	750	11.0	5.5
25...	0723	80513	80513	0.30	0.60	99.0	750	11.0	5.7
25...	0726	80513	80513	0.30	0.60	77.0	750	11.0	5.6
25...	0729	80513	80513	0.30	0.60	55.0	750	11.0	5.7
25...	0732	80513	80513	0.30	0.60	33.0	750	11.0	5.6
25...	0735	80513	80513	0.50	1.00	11.0	750	11.5	5.3

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG									
01...	1010	80513	80020	266	7.6	754	12.5	8.1	76

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG								
01...	1010	10	1	0.30	1.4	120	35	9.0

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
AUG							
01...	1010	120	<0.010	0.410	<0.010	<0.010	<0.010

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG									
07...	1530	80513	80513	3.00	6.00	12.0	754	12.0	5.1
07...	1532	80513	80513	3.00	6.00	37.0	754	11.0	5.1
07...	1534	80513	80513	3.00	6.00	62.0	754	11.0	5.3
07...	1536	80513	80513	3.00	6.00	87.0	754	12.0	5.2
07...	1538	80513	80513	3.00	6.00	112	754	11.5	5.1
07...	1540	80513	80513	3.00	6.00	137	754	11.0	5.3
07...	1542	80513	80513	2.50	5.00	162	754	11.5	5.4
07...	1544	80513	80513	2.00	4.00	187	754	12.0	5.3
07...	1546	80513	80513	2.00	4.00	212	754	12.0	5.3
07...	1548	80513	80513	1.50	3.00	237	754	12.0	5.4

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG									
20...	1341	80513	80513	258	7.4	753	13.0	7.6	72

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
SEP							
05.	0810	80513	80513	0.50	1.00	10.0	--
05.	0812	80513	80513	0.50	1.00	30.0	--
05.	0813	80513	80513	0.50	0.50	50.0	--
05.	0815	80513	80513	0.50	1.00	70.0	--
05.	0818	80513	80513	0.50	1.00	90.0	--
05.	0820	80513	80513	0.50	0.50	110	--
05.	0822	80513	80513	0.50	0.50	130	--
05.	0824	80513	80513	0.50	0.50	150	--
05.	0826	80513	80513	0.30	0.60	170	--
05.	0828	80513	80513	0.50	1.00	190	--
05.	1505	80513	80513	--	--	--	255
17.	1300	80513	80513	0.50	1.00	10.0	--
17.	1302	80513	80513	0.50	1.00	31.0	--
17.	1304	80513	80513	0.25	0.50	52.0	--
17.	1306	80513	80513	0.50	1.00	73.0	--
17.	1308	80513	80513	1.00	2.00	94.0	--
17.	1310	80513	80513	0.50	1.00	115	--
17.	1312	80513	80513	0.30	0.60	136	--
17.	1314	80513	80513	0.50	1.00	157	--
17.	1316	80513	80513	0.30	0.60	178	--
17.	1318	80513	80513	0.50	1.00	199	--
17.	1321	80513	80513	--	--	--	269

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
SEP						
05.	0810	--	750	12.0	5.4	--
05.	0812	--	750	12.0	5.3	--
05.	0813	--	750	12.0	5.3	--
05.	0815	--	750	12.0	5.1	--
05.	0818	--	750	12.0	5.0	--
05.	0820	--	450	12.0	5.1	--
05.	0822	--	750	12.0	5.2	--
05.	0824	--	750	12.0	5.2	--
05.	0826	--	750	12.0	5.2	--
05.	0828	--	750	12.0	5.0	--
05.	1505	7.5	751	13.0	4.9	47
17.	1300	--	753	14.0	7.7	--
17.	1302	--	753	13.5	6.4	--
17.	1304	--	753	13.0	5.9	--
17.	1306	--	753	13.5	5.9	--
17.	1308	--	753	13.0	5.5	--
17.	1310	--	753	13.0	5.3	--
17.	1312	--	753	13.0	5.8	--
17.	1314	--	753	13.0	5.4	--
17.	1316	--	753	13.0	5.4	--
17.	1318	--	753	13.5	6.3	--
17.	1321	8.0	753	13.5	6.4	62

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	7.0	6.3	6.7
4	---	---	---	---	---	---	---	---	---	7.0	6.3	6.7
5	---	---	---	---	---	---	---	---	---	7.5	6.2	6.9
6	---	---	---	---	---	---	---	---	---	7.2	5.9	6.8
7	---	---	---	---	---	---	---	---	---	7.2	6.0	6.8
8	---	---	---	---	---	---	---	---	---	7.4	6.2	6.8
9	---	---	---	---	---	---	---	---	---	8.9	6.4	7.9
10	---	---	---	---	---	---	---	---	---	8.8	8.2	8.6
11	---	---	---	---	---	---	---	---	---	8.8	8.0	8.6
12	---	---	---	---	---	---	---	---	---	8.9	8.3	8.6
13	---	---	---	---	---	---	---	---	---	9.0	8.2	8.8
14	---	---	---	---	---	---	---	---	---	8.9	8.0	8.5
15	---	---	---	---	---	---	---	---	---	8.8	8.1	8.5
16	---	---	---	---	---	---	---	---	---	9.0	8.3	8.7
17	---	---	---	---	---	---	---	---	---	8.8	8.2	8.6
18	---	---	---	---	---	---	---	---	---	8.9	8.2	8.6
19	---	---	---	---	---	---	---	---	---	9.0	8.3	8.7
20	---	---	---	---	---	---	---	---	---	9.1	8.4	8.8
21	---	---	---	---	---	---	---	---	---	8.9	8.1	8.6
22	---	---	---	---	---	---	---	---	---	8.9	8.2	8.7
23	---	---	---	---	---	---	---	---	---	9.1	8.4	8.8
24	---	---	---	---	---	---	---	---	---	9.2	8.6	8.9
25	---	---	---	---	---	---	---	---	---	10.6	8.7	9.1
26	---	---	---	---	---	---	---	---	---	9.0	7.7	8.7
27	---	---	---	---	---	---	---	---	---	10.6	7.7	8.8
28	---	---	---	---	---	---	---	---	---	9.7	7.7	8.7
29	---	---	---	---	---	---	---	---	---	12.0	8.2	9.3
30	---	---	---	---	---	---	---	---	---	12.1	8.6	9.3
31	---	---	---	---	---	---	---	---	---	10.7	8.4	9.1

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.5	8.5	9.6	11.3	10.0	10.6	13.7	11.2	13.2	13.0	11.9	12.6
2	11.5	8.6	9.2	11.2	10.0	10.7	16.0	12.4	13.6	14.0	12.3	12.8
3	9.2	8.5	9.0	11.3	10.3	10.8	---	---	---	14.8	12.1	12.8
4	10.7	8.4	9.0	11.1	10.3	10.9	---	---	---	14.0	12.2	12.9
5	9.3	8.5	8.9	11.1	10.1	10.8	---	---	---	13.6	12.1	12.6
6	9.4	8.6	9.1	11.3	9.7	10.9	---	---	---	14.7	12.0	12.7
7	9.4	8.5	9.1	11.3	9.2	10.8	---	---	---	14.3	12.1	12.8
8	9.5	8.5	9.1	11.6	8.9	10.8	15.3	11.6	12.5	15.6	12.2	13.0
9	9.5	8.7	9.1	11.7	10.5	11.4	16.0	11.5	13.2	13.4	12.1	12.8
10	9.5	8.5	9.2	13.6	10.7	12.3	13.3	12.0	12.5	13.3	12.3	12.9
11	9.5	8.7	9.2	14.9	12.5	13.4	13.2	11.5	12.2	13.3	12.3	12.9
12	9.6	8.6	9.2	13.3	12.4	12.8	15.7	11.4	12.6	13.2	12.4	13.0
13	9.5	8.8	9.2	12.6	11.7	12.3	12.8	11.4	12.1	13.3	12.4	13.0
14	9.6	8.7	9.2	12.5	11.3	12.1	14.0	11.4	12.2	13.5	12.3	12.9
15	9.6	8.5	9.2	12.0	10.5	11.6	14.2	11.4	12.3	15.1	12.2	13.0
16	9.7	8.5	9.3	12.1	11.2	11.8	12.8	11.5	12.3	14.1	12.3	13.0
17	9.6	6.2	9.2	13.8	11.1	11.8	12.8	11.7	12.2	14.2	12.3	12.9
18	9.7	8.6	9.0	12.2	10.9	11.7	16.1	11.2	13.0	13.6	12.1	12.7
19	9.7	8.4	9.1	---	---	---	14.2	11.6	12.5	14.1	11.6	12.6
20	10.6	8.7	9.7	---	---	---	14.6	11.4	12.3	13.9	11.6	12.4
21	11.1	10.0	10.6	---	---	---	14.9	12.0	12.7	14.2	11.6	12.5
22	11.4	10.2	10.9	---	---	---	13.0	11.9	12.6	13.4	12.2	12.7
23	11.0	10.0	10.6	---	---	---	13.5	12.0	12.7	14.1	12.3	12.8
24	10.6	9.7	10.1	---	---	---	16.0	11.8	12.9	13.3	12.0	12.7
25	10.7	9.5	10.2	---	---	---	15.5	11.6	12.7	15.0	11.8	13.0
26	11.2	8.8	10.1	13.9	12.1	13.0	13.0	11.8	12.5	14.9	11.6	12.8
27	10.5	6.2	9.7	14.4	12.0	13.1	13.8	12.2	12.7	14.7	11.7	12.7
28	10.8	9.6	10.4	15.3	12.5	13.3	14.4	12.2	12.8	14.9	11.8	12.9
29	10.9	9.9	10.5	16.9	10.9	13.8	14.2	12.1	12.8	14.9	11.9	12.9
30	10.9	9.9	10.6	17.6	12.3	13.9	14.2	12.0	12.7	13.5	11.9	13.0
31	---	---	---	17.7	12.4	13.9	12.8	12.1	12.4	---	---	---
MONTH	12.5	6.2	9.6	---	---	---	---	---	---	15.6	11.6	12.8

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	10.6	8.7	9.4
4	---	---	---	---	---	---	---	---	---	10.9	8.4	9.2
5	---	---	---	---	---	---	---	---	---	9.7	8.3	9.0
6	---	---	---	---	---	---	---	---	---	10.5	8.4	9.2
7	---	---	---	---	---	---	---	---	---	9.9	8.2	8.9
8	---	---	---	---	---	---	---	---	---	10.4	7.9	8.8
9	---	---	---	---	---	---	---	---	---	9.5	7.8	8.6
10	---	---	---	---	---	---	---	---	---	9.5	8.1	8.6
11	---	---	---	---	---	---	---	---	---	9.7	8.1	8.6
12	---	---	---	---	---	---	---	---	---	9.3	8.1	8.5
13	---	---	---	---	---	---	---	---	---	9.5	8.3	8.8
14	---	---	---	---	---	---	---	---	---	9.8	8.0	8.8
15	---	---	---	---	---	---	---	---	---	8.9	7.9	8.4
16	---	---	---	---	---	---	---	---	---	9.4	7.6	8.3
17	---	---	---	---	---	---	---	---	---	9.3	7.6	8.3
18	---	---	---	---	---	---	---	---	---	10.7	7.5	8.4
19	---	---	---	---	---	---	---	---	---	10.2	7.7	8.4
20	---	---	---	---	---	---	---	---	---	10.0	7.7	8.3
21	---	---	---	---	---	---	---	---	---	9.2	7.7	8.3
22	---	---	---	---	---	---	---	---	---	10.1	7.6	8.4
23	---	---	---	---	---	---	---	---	---	10.7	7.7	8.4
24	---	---	---	---	---	---	---	---	---	9.7	7.6	8.4
25	---	---	---	---	---	---	---	---	---	10.5	7.6	8.5
26	---	---	---	---	---	---	---	---	---	9.5	7.8	8.3
27	---	---	---	---	---	---	---	---	---	12.6	7.6	8.9
28	---	---	---	---	---	---	---	---	---	11.2	7.6	8.6
29	---	---	---	---	---	---	---	---	---	12.5	7.5	8.9
30	---	---	---	---	---	---	---	---	---	12.4	7.4	8.7
31	---	---	---	---	---	---	---	---	---	12.0	7.4	8.7

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.3	7.4	9.2	11.7	6.5	7.2	6.6	4.7	5.6	5.2	3.9	4.4
2	12.5	7.3	8.4	9.6	6.4	6.9	11.0	4.6	6.1	7.2	4.0	5.0
3	9.6	7.4	7.9	7.8	6.2	6.7	10.4	4.3	5.8	7.1	4.0	5.0
4	11.8	7.4	8.5	7.8	6.3	6.7	10.9	4.3	6.4	7.5	3.9	5.3
5	9.0	7.3	7.8	7.5	6.3	6.6	10.3	4.2	6.6	6.7	4.0	4.7
6	9.8	7.5	8.1	7.4	6.3	6.6	9.9	4.3	5.5	7.9	3.3	4.9
7	9.2	7.5	8.0	8.9	6.2	6.7	11.0	4.1	5.5	7.1	3.4	4.8
8	9.6	7.3	7.8	10.6	6.2	6.8	12.4	4.3	7.3	7.7	3.8	5.0
9	9.4	7.3	7.8	7.6	6.2	6.6	---	---	---	6.6	3.5	4.1
10	9.4	7.3	7.8	8.3	5.2	6.1	---	---	---	7.3	3.9	5.0
11	8.9	7.3	7.7	7.0	5.3	5.6	---	---	---	6.0	3.9	4.8
12	8.2	7.3	7.5	7.1	5.3	5.7	---	---	---	6.3	3.9	4.9
13	10.0	7.2	7.8	7.7	5.3	5.8	---	---	---	6.5	3.8	4.7
14	9.8	7.1	7.8	7.7	5.4	5.8	---	---	---	6.0	3.6	4.4
15	9.9	7.1	7.6	9.7	5.4	6.4	---	---	---	6.6	3.5	4.6
16	12.8	7.1	8.6	7.1	5.5	6.0	7.8	4.6	5.9	7.9	3.4	4.6
17	12.6	7.2	8.3	12.0	5.5	6.8	---	---	---	7.0	3.5	4.7
18	13.3	7.0	8.6	12.2	5.5	6.5	---	---	---	6.6	3.2	4.8
19	13.4	7.0	8.3	8.7	5.6	6.2	---	---	---	7.2	4.0	5.4
20	12.8	6.7	7.8	11.4	5.7	7.2	---	---	---	8.8	3.5	5.1
21	8.8	6.6	7.1	12.4	5.5	7.1	8.5	4.0	5.6	6.4	3.4	4.5
22	11.8	6.6	7.4	7.9	5.6	6.1	7.7	2.6	4.6	5.9	3.5	4.3
23	9.7	6.6	7.0	12.1	5.7	7.1	---	---	---	6.1	3.0	4.3
24	10.4	6.5	7.2	12.4	4.6	7.5	8.0	3.8	5.2	5.9	3.3	4.2
25	10.4	6.7	7.3	9.7	4.6	6.6	7.6	3.6	5.1	7.0	3.5	4.9
26	12.2	6.5	7.6	12.0	4.7	7.1	7.1	3.3	4.1	6.9	3.7	4.9
27	11.0	6.5	7.2	11.2	4.6	6.5	7.2	3.6	4.9	6.5	3.4	4.7
28	11.0	6.6	7.1	11.7	4.5	6.7	7.6	4.0	5.1	6.6	3.5	5.0
29	9.6	6.5	6.9	11.9	4.5	6.8	7.4	3.7	4.8	6.0	3.5	4.4
30	9.4	6.5	6.8	11.6	4.7	7.4	7.4	3.9	5.2	6.0	3.4	4.8
31	---	---	---	11.3	4.5	7.1	6.7	3.9	4.8	---	---	---
MONTH	13.4	6.5	7.8	12.4	4.5	6.6	---	---	---	8.8	3.0	4.7

07055565 CROOKED CREEK AT HARRISON, ARKANSAS

LOCATION.--Lat 36°14'04", long 93°05'26", in SW¼SE¼ sec.3, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 bypass in Harrison.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
09.	0930	9827	9827	7.7	15.0	8.6	1.6	94	5.0
23.	1330	9827	9827	7.8	14.0	10.6	3.0	180	5.0
NOV									
19.	1240	9827	9827	7.8	15.0	11.7	1.3	180	6.0
DEC									
18.	1225	9827	9827	7.9	12.0	9.9	1.2	160	6.0
JAN									
29.	1230	9827	9827	7.9	10.0	11.4	1.3	160	4.0
FEB									
26.	1220	9827	9827	8.1	10.0	12.4	1.9	160	7.0
APR									
02.	1045	9827	9827	7.8	16.0	11.2	2.8	140	5.0
23.	1215	9827	9827	7.8	15.0	10.4	2.2	140	7.0
MAY									
07.	1210	9827	9827	7.8	17.0	10.3	2.4	140	4.0
JUN									
25.	1220	9827	9827	7.8	23.0	9.4	2.8	200	3.0
JUL									
23.	1150	9827	9827	7.9	25.0	8.1	2.6	180	3.0
AUG									
27.	1220	9827	9827	7.7	22.0	8.6	2.8	180	4.0
SEP									
24.	1310	9827	9827	7.8	18.0	8.4	1.6	180	6.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0930	3.9	135	31	0.300	--	0.50	0.150
23.	1330	5.8	211	4	1.60	<0.050	0.46	0.040
NOV								
19.	1240	8.0	211	5	1.20	<0.050	0.48	0.060
DEC								
18.	1225	5.6	179	7	1.50	<0.050	--	0.070
JAN								
29.	1230	5.4	170	4	1.40	<0.050	0.23	0.010
FEB								
26.	1220	6.6	194	4	1.30	0.060	0.49	0.070
APR								
02.	1045	5.3	163	10	0.780	0.050	--	<0.030
23.	1215	4.8	170	8	1.20	<0.050	0.61	0.050
MAY								
07.	1210	3.8	173	7	1.10	<0.050	0.43	0.050
JUN								
25.	1220	5.4	207	5	1.10	<0.050	0.41	<0.030
JUL								
23.	1150	6.1	203	8	1.20	--	--	0.120
AUG								
27.	1220	6.3	212	5	1.40	<0.050	0.50	<0.030
SEP								
24.	1310	6.1	201	4	1.50	0.050	0.36	0.040

07055565 CROOKED CREEK AT HARRISON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0930	0.060	5.9	<0.5	<1	<25	<2	<8
23.	1330	0.040	4.6	<0.5	<1	<25	<2	<8
NOV								
19.	1240	<0.030	--	<0.5	--	--	<2	--
DEC								
18.	1225	0.040	2.4	--	<1	<25	<2	<8
JAN								
29.	1230	<0.030	1.8	<0.5	<1	<25	<2	<8
FEB								
26.	1220	0.030	1.9	<0.5	<1	<25	<2	--
APR								
02.	1045	0.070	2.4	<0.5	<1	<25	<2	16
23.	1215	0.030	2.6	<0.5	<1	<25	<2	17
MAY								
07.	1210	<0.030	4.2	<0.5	<1	<25	<2	<8
JUN								
25.	1220	<0.030	5.1	<0.5	<1	<25	<2	--
JUL								
23.	1150	0.040	2.8	<0.5	<1	<25	<2	<8
AUG								
27.	1220	--	7.1	<0.5	<1	<25	<2	<8
SEP								
24.	1310	<0.030	3.1	<0.5	<1	<25	<2	8

07055569 CROOKED CREEK NEAR HARRISON, ARKANSAS

LOCATION.--Lat 36°14'38", long 93°04'38", in SE¼NW¼ sec.2, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 near Harrison.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	1355	9827	9827	8.1	14.0	11.4	2.2	180	12
NOV									
19.	1255	9827	9827	8.3	15.0	12.9	1.9	190	31
DEC									
18.	1240	9827	9827	8.0	12.0	10.5	1.3	160	11
JAN									
29.	1240	9827	9827	8.1	10.0	12.1	1.5	160	7.0
FEB									
26.	1230	9827	9827	8.3	10.0	13.2	1.1	160	18
APR									
02.	1100	9827	9827	8.1	16.0	12.4	2.3	150	8.0
23.	1230	9827	9827	7.9	16.0	10.5	1.5	140	8.0
MAY									
07.	1225	9827	9827	7.9	17.0	10.6	1.0	150	6.0
JUN									
25.	1235	9827	9827	8.0	24.0	9.6	2.5	190	8.0
JUL									
23.	1200	9827	9827	8.2	31.0	8.6	1.8	180	18
AUG									
27.	1235	9827	9827	8.1	24.0	9.5	2.2	180	9.0
SEP									
24.	1320	9827	9827	8.2	19.0	8.7	1.5	180	15

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1355	15	249	4	3.70	<0.050	0.68	0.580
NOV								
19.	1255	17	269	2	4.40	<0.050	0.67	0.390
DEC								
18.	1240	10	205	7	2.90	<0.050	--	0.330
JAN								
29.	1240	7.9	184	6	2.00	<0.050	0.26	0.150
FEB								
26.	1230	11	225	3	3.20	0.050	0.66	0.430
APR								
02.	1100	8.0	186	7	1.30	<0.050	--	0.180
23.	1230	5.7	178	8	1.40	<0.050	0.35	0.090
MAY								
07.	1225	4.8	175	8	1.30	<0.050	0.43	0.100
JUN								
25.	1235	13	231	4	2.40	<0.050	0.52	0.250
JUL								
23.	1200	14	236	7	2.40	--	--	0.540
AUG								
27.	1235	18	236	7	1.40	<0.050	0.72	0.180
SEP								
24.	1320	18	240	4	2.40	0.090	0.39	0.110

07055569 CROOKED CREEK NEAR HARRISON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1355	0.580	5.0	<0.5	<1	<25	<2	<8
NOV								
19.	1255	--	--	<0.5	--	--	<2	--
DEC								
18.	1240	0.240	2.6	--	<1	<25	<2	<8
JAN								
29.	1240	0.130	1.8	<0.5	<1	<25	<2	<8
FEB								
26.	1230	0.420	3.1	<0.5	<1	<25	<2	--
APR								
02.	1100	0.170	2.2	<0.5	<1	<25	<2	<8
23.	1230	0.070	2.1	<0.5	<1	<25	<2	11
MAY								
07.	1225	0.060	3.1	<0.5	<1	<25	<2	<8
JUN								
25.	1235	0.210	3.6	<0.5	<1	<25	<2	--
JUL								
23.	1200	0.400	3.6	<0.5	<1	<25	<2	<8
AUG								
27.	1235	0.140	8.2	<0.5	<1	<25	<2	<8
SEP								
24.	1320	0.070	4.0	<0.5	<1	<25	<2	8

07055608 CROOKED CREEK AT YELLVILLE, ARKANSAS

LOCATION.--Lat 33°13'23", long 92°40'47", in NW¼NE¼ 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.--406 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional measurements, water years 1978-88, and annual maximum, water years 1985-88. July 1988 to current year. Fragmentary record 1939-43, in files of the Geological Survey.

REVISED RECORDS.--WRD Ark. 1990: 1989(M).

GAGE.--Water-stage recorder. Datum of gage is 541.60 ft above National Geodetic Vertical Datum of 1929. Oct. 7, 1939 to June 30, 1943, nonrecording gage at present site at datum 5.59 ft higher. March 1978 to Feb. 23, 1984, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Water-discharge records fair, and poor below 2.0 ft^3/s because of loss of flow to underground strata at extreme low flows.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft^3/s May 3, 1990, gage height, 25.20 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 27, 1942, reached a stage of 25.7 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 14	0600	*4,520	*11.35				

No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	34	188	586	290	143	321	986	424	87	27	27
2	117	31	165	520	272	142	298	810	380	74	22	48
3	90	30	259	466	259	129	313	842	352	76	17	57
4	174	30	261	418	256	129	415	1040	324	168	14	73
5	174	37	245	401	257	129	436	805	324	147	10	67
6	121	42	207	693	254	129	428	687	317	108	8.0	45
7	139	38	184	1290	234	117	412	610	265	84	9.8	31
8	463	32	165	968	222	111	390	554	245	77	7.1	31
9	799	33	147	800	207	101	361	510	228	65	4.1	37
10	570	34	131	1040	202	100	319	483	208	61	.53	31
11	385	32	117	1830	192	103	300	505	212	55	.00	21
12	296	29	113	1600	188	109	427	471	227	49	.00	14
13	242	27	101	1170	198	93	1640	463	225	50	.00	7.9
14	206	24	88	974	176	84	3530	413	200	50	.00	2.4
15	177	23	87	931	158	84	2330	382	177	48	.00	.00
16	157	19	76	1040	160	93	1540	669	188	40	.00	.00
17	141	16	105	938	168	109	1200	589	168	36	.00	.00
18	130	14	276	822	173	119	1420	502	151	32	1.0	2.7
19	111	18	353	758	167	110	1350	582	138	28	9.1	19
20	103	18	346	694	151	109	1080	511	128	23	1.4	26
21	93	21	337	604	146	106	914	454	137	20	.00	22
22	82	43	329	547	137	594	823	424	167	17	.00	18
23	73	44	314	512	134	971	753	407	122	14	.00	23
24	60	41	291	471	129	707	669	377	186	78	.00	26
25	48	37	255	435	130	570	616	1620	145	71	.00	25
26	44	49	231	413	127	505	566	1320	120	73	.00	17
27	43	338	224	393	125	490	702	897	106	53	.00	11
28	39	418	211	374	129	447	899	711	96	51	.00	5.6
29	38	299	401	354	---	421	1860	603	90	53	1.7	1.7
30	37	229	718	329	---	383	1270	529	90	44	25	.00
31	36	---	696	310	---	344	---	471	---	36	29	---
TOTAL	5368	2080	7621	22681	5241	7781	27582	20227	6140	1868	186.73	689.30
MEAN	173	69.3	246	732	187	251	919	652	205	60.3	6.02	23.0
MAX	799	418	718	1830	290	971	3530	1620	424	168	29	73
MIN	36	14	76	310	125	84	298	377	90	14	.00	.00
AC-FT	10650	4130	15120	44990	10400	15430	54710	40120	12180	3710	370	1370

CAL YR 1990 TOTAL 188808.30 MEAN 517 MAX 22100 MIN .00 AC-FT 374500
WTR YR 1991 TOTAL 107465.03 MEAN 294 MAX 3530 MIN .00 AC-FT 213200

07055608 CROOKED CREEK AT YELLVILLE, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1215	9827	9827	67	8.4	14.0	12.6	0.7	170
NOV									
19.	1210	9827	9827	21	8.2	12.0	11.6	1.2	170
DEC									
18.	1430	9827	9827	368	8.4	<1.0	11.8	0.9	390
JAN									
29.	1430	9827	9827	355	8.4	7.0	12.3	1.1	190
FEB									
26.	1445	9827	9827	139	8.5	10.0	12.8	0.7	170
MAR									
19.	1500	9827	9827	118	8.4	16.0	11.5	1.9	170
APR									
23.	1400	9827	9827	758	8.3	17.0	10.6	0.6	170
MAY									
14.	1500	9827	9827	414	8.6	25.0	13.0	1.9	160
JUN									
25.	1445	9827	9827	142	8.5	28.0	10.7	0.8	180
JUL									
23.	1500	9827	9827	14	8.5	32.0	10.5	1.1	130
AUG									
27.	1430	9827	9827	0.0	8.1	28.0	--	1.7	130
SEP									
24.	1500	9827	9827	--	8.6	20.0	10.5	0.4	150

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1215	6.0	5.4	194	2	0.560	<0.050	<0.030
NOV								
19.	1210	6.0	8.6	196	2	0.100	<0.050	<0.030
DEC								
18.	1430	35	28	205	6	0.950	0.470	0.480
JAN								
29.	1430	6.0	5.1	201	1	1.10	<0.050	0.010
FEB								
26.	1445	6.0	5.6	187	1	0.440	0.110	<0.030
MAR								
19.	1500	7.0	5.9	189	4	0.280	0.070	0.060
APR								
23.	1400	5.0	4.0	196	6	0.770	<0.050	0.030
MAY								
14.	1500	5.0	4.3	151	3	0.230	0.080	0.090
JUN								
25.	1445	5.0	4.8	171	3	0.380	0.060	<0.030
JUL								
23.	1500	4.0	6.1	159	4	<0.020	<0.050	0.090
AUG								
27.	1430	5.0	7.8	156	3	0.040	<0.050	0.060
SEP								
24.	1500	9.0	6.0	166	<1	0.060	<0.050	0.050

07055608 CROOKED CREEK AT YELLVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1215	<0.030	3.9	<0.5	<1	<25	<2	--
NOV								
19.	1210	<0.030	4.7	<0.5	<1	<25	<2	<8
DEC								
18.	1430	0.350	9.5	<25	<1	<25	<2	--
JAN								
29.	1430	<0.030	1.4	--	<1	<25	<2	<8
FEB								
26.	1445	<0.030	3.9	<0.5	<1	<25	<2	<8
MAR								
19.	1500	<0.030	4.6	<0.5	--	<25	<2	--
APR								
23.	1400	0.050	3.4	0.6	<1	<25	<2	9
MAY								
14.	1500	0.040	2.2	<0.5	<1	<25	<2	<8
JUN								
25.	1445	<0.030	4.8	<0.5	<1	<25	<2	--
JUL								
23.	1500	<0.030	3.6	<0.5	<1	<25	<2	<8
AUG								
27.	1430	0.060	4.1	<0.5	--	<25	<2	<8
SEP								
24.	1500	<0.030	2.8	<0.5	<1	<25	<2	<8

07056000 BUFFALO RIVER NEAR ST. JOE, ARKANSAS

LOCATION.--Lat 35°59'00", long 92°44'47", in SW¼SW¼ sec.36, T.16 N., R.17 W., Searcy County, Hydrologic Unit 11010005, near right bank on downstream side of bridge on U.S. Highway 65, 1.2 mi downstream from Mill Creek, 4.0 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft above National Geodetic Vertical Datum 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. Satellite telemeter at station.

AVERAGE DISCHARGE.--52 years, 1,039 ft³/s, 17.02 in/yr, 752,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft³/s Dec. 3, 1982, gage height, 53.75 ft from rating curve extended above 91,000 ft³/s; minimum, 6.6 ft³/s Sept. 16, 17, 20, 1954.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Apr. 14	0745	*26,000	*21.45	Apr. 18	2200	20,500	19.13

Minimum discharge, 37 ft³/s Aug. 28-29, gage height, 3.09 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	111	1120	3950	571	356	1850	3610	759	125	65	53
2	60	108	1000	3000	530	438	1640	2660	654	120	64	75
3	61	104	1400	2560	e520	661	1600	3020	582	129	62	58
4	61	106	2100	2200	e520	660	3910	5260	516	135	60	70
5	60	107	1550	1920	e530	611	3600	3200	473	142	58	67
6	61	109	1280	2480	546	582	2700	2520	463	142	57	59
7	1320	109	1130	6740	635	551	2250	2000	427	127	55	59
8	3980	107	e1000	4540	600	509	2120	1670	393	116	58	59
9	3690	113	e960	3310	563	469	2040	1440	362	108	55	58
10	2170	110	e890	4110	535	439	1670	1320	333	100	51	59
11	991	109	e810	8110	509	420	1480	1360	312	96	49	61
12	610	106	750	7310	486	408	2750	1380	302	95	47	62
13	446	103	710	4260	483	397	11400	1230	297	93	47	61
14	360	102	684	3000	534	387	21800	1050	286	88	47	61
15	300	100	650	2670	521	374	e10000	945	268	83	44	60
16	257	98	631	4120	494	356	e6300	1310	256	78	42	60
17	230	95	646	3220	470	358	e4000	1380	240	78	43	60
18	226	93	1050	2480	471	433	10800	1150	229	76	42	73
19	221	162	2280	2030	466	595	9980	1260	213	73	41	71
20	206	253	1950	1790	445	563	4860	1280	216	80	43	63
21	195	139	2150	1490	421	529	3470	1190	222	71	47	64
22	186	107	2440	1250	403	1550	2830	1200	208	69	47	70
23	181	104	2030	1110	391	5230	2370	1150	194	71	44	72
24	173	132	1630	1020	377	3110	1960	1030	248	75	43	72
25	160	220	1420	930	372	2250	1690	5910	194	80	41	71
26	146	215	1280	858	365	1840	1520	4720	174	77	43	70
27	135	231	1230	803	357	2090	2120	2360	161	75	42	69
28	128	2350	1190	763	350	3510	e2900	1540	152	77	39	65
29	123	1910	2900	721	---	2690	e6800	1210	143	75	43	62
30	119	1350	e8900	672	---	2490	5360	1040	134	71	48	60
31	115	---	6550	622	---	2160	---	890	---	68	49	---
TOTAL	17031	9063	54311	84039	13465	37016	137770	61285	9411	2893	1516	1924
MEAN	549	302	1752	2711	481	1194	4592	1977	314	93.3	48.9	64.1
MAX	3980	2350	8900	8110	635	5230	21800	5910	759	142	65	75
MIN	60	93	631	622	350	356	1480	890	134	68	39	53
AC-FT	33780	17980	107700	166700	26710	73420	273300	121600	18670	5740	3010	3820
CFSM	.66	.36	2.11	3.27	.58	1.44	5.54	2.38	.38	.11	.06	.08
IN.	.76	.41	2.44	3.77	.60	1.66	6.18	2.75	.42	.13	.07	.09

CAL YR 1990 TOTAL 608914 MEAN 1668 MAX 65900 MIN 32 AC-FT 1208000 CFSM 2.01 IN. 27.32
WTR YR 1991 TOTAL 429724 MEAN 1177 MAX 21800 MIN 39 AC-FT 852400 CFSM 1.42 IN. 19.28

e Estimated

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

WATER-QUALITY RECORDS

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1330	9827	9827	187	8.3	16.0	10.5	2.7	130
NOV									
19.	1300	9827	9827	91	8.2	14.0	--	1.5	130
DEC									
18.	1330	9827	9827	1150	8.1	12.0	10.2	1.8	120
JAN									
29.	1315	9827	9827	719	8.1	10.0	11.5	0.4	98
FEB									
26.	1345	9827	9827	365	8.5	9.0	12.5	3.1	100
MAR									
19.	1400	9827	9827	614	8.4	15.0	10.8	0.7	88
APR									
23.	1245	9827	9827	2340	8.0	16.0	9.7	0.7	84
MAY									
14.	1400	9827	9827	1030	8.5	24.0	10.7	0.7	110
JUN									
25.	1345	9827	9827	196	8.2	25.0	9.4	1.8	130
JUL									
23.	1400	9827	9827	72	8.6	31.0	11.6	1.3	120
AUG									
27.	1300	9827	9827	41	8.2	28.0	--	1.3	130
SEP									
24.	1400	9827	9827	73	8.4	20.0	9.6	1.6	130

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1330	5.0	2.9	144	2	0.120	<0.050	<0.030
NOV								
19.	1300	7.0	5.6	151	<1	<0.020	<0.050	<0.030
DEC								
18.	1330	8.0	3.2	137	28	0.180	0.050	0.090
JAN								
29.	1315	5.0	2.7	105	2	0.220	<0.050	0.00
FEB								
26.	1345	6.0	2.9	115	3	0.060	0.080	<0.030
MAR								
19.	1400	5.0	3.0	105	2	<0.020	<0.050	0.060
APR								
23.	1245	4.0	2.1	101	5	0.270	0.060	0.030
MAY								
14.	1400	5.0	2.3	97	1	<0.020	0.080	0.110
JUN								
25.	1345	4.0	2.6	138	5	0.080	<0.050	<0.030
JUL								
23.	1400	3.0	3.0	128	2	0.040	<0.050	0.090
AUG								
27.	1300	4.0	3.2	135	1	0.020	<0.050	<0.030
SEP								
24.	1400	6.0	1.7	134	<1	0.020	<0.050	0.040

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1330	<0.030	3.0	<0.5	<1	<25	<2	--
NOV								
19.	1300	<0.030	4.6	<0.5	<1	<25	<2	<8
DEC								
18.	1330	<0.030	3.8	--	<1	<25	<2	--
JAN								
29.	1315	<0.030	1.1	--	<1	<25	<2	<8
FEB								
26.	1345	<0.030	2.6	<0.5	<1	<25	<2	<8
MAR								
19.	1400	<0.030	1.7	<0.5	--	<25	<2	--
APR								
23.	1245	0.040	2.3	<0.5	<1	<25	<2	<8
MAY								
14.	1400	0.030	2.2	<0.5	<1	<25	<2	<8
JUN								
25.	1345	<0.030	3.5	<0.5	<1	<25	<2	--
JUL								
23.	1400	<0.030	2.8	<0.5	<1	<25	<2	<8
AUG								
27.	1300	--	5.3	<0.5	--	<25	<2	<8
SEP								
24.	1400	<0.030	1.8	<0.5	<1	<25	<2	<8

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARKANSAS

LOCATION.--Lat 36°17'32", long 92°22,34", in NE¼,NE¼, sec.28, T.19 N., R.13 W., Baxter County, Hydrologic Unit 11010004, at downstream side of low-water bridge on the Heritage Estate Subdivision Road, 3.0 mi south of Baxter County fairgrounds, and 0.9 mi from Highway 201 cutoff.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	1040	9827	9827	8.2	11.0	9.8	1.7	230	22
NOV									
19.	1105	9827	9827	8.4	18.0	12.9	1.6	220	28
DEC									
18.	1035	9827	9827	8.0	9.0	10.3	3.4	100	12
JAN									
29.	0900	9827	9827	8.3	6.0	10.9	3.2	240	20
FEB									
26.	0915	9827	9827	8.5	4.0	12.9	3.5	240	20
MAR									
19.	0930	9827	9827	8.3	11.0	11.7	2.8	220	18
APR									
23.	0915	9827	9827	8.4	13.0	10.6	1.8	250	17
MAY									
14.	0945	9827	9827	8.0	20.0	7.3	3.3	170	15
JUN									
25.	0945	9827	9827	8.1	23.0	7.5	2.5	180	15
JUL									
23.	0950	9827	9827	8.3	26.0	7.6	2.3	230	16
AUG									
27.	0900	9827	9827	8.1	24.0	--	1.8	210	19
SEP									
24.	0930	9827	9827	8.3	18.0	7.6	2.6	180	22

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1040	46	379	6	12.0	<0.050	1.1	2.70
NOV								
19.	1105	52	404	2	15.0	<0.050	1.5	3.80
DEC								
18.	1035	6.9	144	39	0.810	0.160	1.7	0.290
JAN								
29.	0900	17	277	4	3.70	0.150	0.46	0.800
FEB								
26.	0915	31	330	1	6.00	0.060	0.94	1.60
MAR								
19.	0930	32	323	4	6.30	<0.050	0.39	2.10
APR								
23.	0915	12	286	4	1.80	0.050	0.49	0.590
MAY								
14.	0945	12	207	16	2.20	0.180	0.72	0.730
JUN								
25.	0945	13	222	7	2.60	0.050	0.80	0.700
JUL								
23.	0950	49	363	3	10.0	<0.050	--	2.85
AUG								
27.	0900	52	369	1	12.0	<0.050	0.70	3.40
SEP								
24.	0930	39	290	<1	9.70	<0.050	0.79	2.95

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1040	--	7.6	<0.5	<1	<25	<2	--
NOV								
19.	1105	3.20	9.4	<0.5	<1	<25	<2	15
DEC								
18.	1035	0.180	11	--	<1	<25	<2	--
JAN								
29.	0900	0.740	3.6	--	<1	<25	<2	<8
FEB								
26.	0915	1.57	7.8	<0.5	<1	<25	<2	8
MAR								
19.	0930	1.68	5.4	<0.5	--	<25	<2	--
APR								
23.	0915	0.460	5.2	<0.5	<1	<25	<2	<8
MAY								
14.	0945	0.550	5.8	<0.5	<1	<25	<2	<8
JUN								
25.	0945	0.600	8.4	<0.5	<1	<25	<2	--
JUL								
23.	0950	2.48	5.4	<0.5	<1	<25	<2	10
AUG								
27.	0900	3.08	7.7	<0.5	--	<25	<2	14
SEP								
24.	0930	2.07	6.0	<0.5	<1	<25	<2	13

07057370 WHITE RIVER NEAR NORFORK, ARKANSAS

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1010	9827	9827	3000	7.9	14.0	6.7	0.5	120
NOV									
19.	1030	9827	9827	1510	8.1	14.0	9.8	0.9	130
DEC									
18.	1000	9827	9827	1400	8.0	12.0	8.8	0.9	130
JAN									
29.	0920	9827	9827	4300	8.1	7.0	10.5	0.8	130
FEB									
26.	1015	9827	9827	0700	8.3	6.0	11.5	0.8	120
MAR									
19.	1000	9827	9827	3230	8.3	11.0	10.5	0.6	130
APR									
23.	0945	9827	9827	8890	8.2	13.0	9.9	0.8	110
MAY									
14.	1015	9827	9827	1400	8.1	15.0	9.1	0.9	130
JUN									
25.	1030	9827	9827	9050	8.0	15.0	8.2	1.1	140
JUL									
23.	1015	9827	9827	9740	8.0	16.0	8.2	1.2	130
AUG									
27.	0930	9827	9827	7820	7.9	16.0	--	0.5	130
SEP									
24.	1010	9827	9827	380	8.4	18.0	8.1	0.8	140

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1010	6.0	4.0	136	2	0.170	<0.050	<0.030
NOV								
19.	1030	7.0	6.5	148	1	0.120	<0.050	<0.030
DEC								
18.	1000	5.0	4.0	137	6	0.160	<0.050	0.040
JAN								
29.	0920	6.0	4.3	139	5	0.260	<0.050	0.010
FEB								
26.	1015	6.0	4.2	140	4	0.180	0.050	0.030
MAR								
19.	1000	5.0	4.2	138	2	0.080	<0.050	0.070
APR								
23.	0945	5.0	2.8	132	7	0.260	0.050	0.040
MAY								
14.	1015	6.0	3.7	120	2	0.130	0.050	0.100
JUN								
25.	1030	6.0	4.3	146	8	0.250	0.060	<0.030
JUL								
23.	1015	6.0	4.7	146	2	0.330	<0.050	0.110
AUG								
27.	0930	6.0	4.7	146	1	0.390	<0.050	<0.030
SEP								
24.	1010	8.0	3.7	151	<1	0.270	<0.050	0.050

07057370 WHITE RIVER NEAR NORFORK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1010	<0.030	4.2	<0.5	<1	<25	<2	--
NOV								
19.	1030	<0.030	3.8	<0.5	<1	<25	<2	8
DEC								
18.	1000	<0.030	3.7	--	<1	<25	<2	--
JAN								
29.	0920	<0.030	2.5	--	<1	<25	<2	<8
FEB								
26.	1015	<0.030	2.5	<0.5	<1	<25	<2	<8
MAR								
19.	1000	<0.030	2.0	<0.5	--	<25	<2	--
APR								
23.	0945	0.060	1.5	<0.5	<1	<25	<2	<8
MAY								
14.	1015	0.040	3.1	<0.5	<1	<25	<2	<8
JUN								
25.	1030	<0.030	2.6	<0.5	<1	<25	<2	--
JUL								
23.	1015	0.030	5.3	<0.5	<1	<25	<2	<8
AUG								
27.	0930	--	4.7	<0.5	--	<25	3	<8
SEP								
24.	1010	0.030	4.2	<0.5	<1	<25	<2	<8

07059500 NORFORK LAKE NEAR NORFORK, ARKANSAS

LOCATION.--Lat 36°14'57", long 92°14'16", in SE¼ 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, and at mile 4.8.

DRAINAGE AREA.--1,808 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
19...	1120	80513	0.0	162	300	7.7	750	16.0	5.9	61	3.40
19...	1122	80513	3.00	162	301	7.7	750	16.0	5.7	59	--
19...	1124	80513	10.0	162	301	7.7	750	16.0	5.5	56	--
19...	1126	80513	20.0	162	301	7.7	750	16.0	5.4	56	--
19...	1128	80513	30.0	162	300	7.7	750	16.0	5.4	55	--
19...	1130	80513	40.0	162	300	7.7	750	16.0	5.3	55	--
19...	1132	80513	50.0	162	300	7.7	750	16.0	5.3	55	--
19...	1134	80513	60.0	162	302	7.6	750	16.0	5.0	52	--
19...	1136	80513	70.0	162	308	7.6	750	16.0	2.0	20	--
19...	1138	80513	80.0	162	298	7.5	750	15.5	0.6	6	--
19...	1140	80513	90.0	162	315	7.4	750	15.5	0.2	2	--
19...	1142	80513	100	162	326	7.4	750	15.5	0.2	2	--
19...	1144	80513	110	162	324	7.4	750	15.0	0.2	2	--
19...	1146	80513	120	162	296	7.3	750	15.0	0.2	2	--
19...	1148	80513	125	162	305	7.3	750	14.0	0.1	1	--
19...	1150	80513	130	162	313	7.2	750	13.5	0.1	1	--
19...	1152	80513	140	162	325	7.3	750	12.5	0.1	1	--
19...	1154	80513	150	162	337	7.3	750	11.5	0.1	1	--
19...	1156	80513	160	162	341	7.3	750	11.0	0.1	1	--
19...	1158	80513	162	162	342	7.3	750	11.0	0.1	1	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
18...	1210	80513	0.0	163	299	8.5	752	9.0	13.0	114	4.00
18...	1211	80513	10.0	163	299	8.6	752	8.5	12.4	108	--
18...	1212	80513	20.0	163	300	8.6	752	8.5	12.2	106	--
18...	1213	80513	30.0	163	299	8.6	752	8.5	12.1	105	--
18...	1214	80513	40.0	163	299	8.6	752	8.5	12.0	104	--
18...	1215	80513	50.0	163	299	8.6	752	8.5	11.9	103	--
18...	1216	80513	60.0	163	298	8.6	752	8.5	11.9	103	--
18...	1217	80513	70.0	163	297	8.6	752	8.5	11.9	102	--
18...	1218	80513	80.0	163	297	8.6	752	8.5	11.9	102	--
18...	1219	80513	90.0	163	297	8.6	752	8.5	11.8	102	--
18...	1220	80513	100	163	296	8.6	752	8.5	11.8	102	--
18...	1221	80513	110	163	296	8.6	752	8.5	11.8	101	--
18...	1222	80513	120	163	295	8.6	752	8.5	11.7	101	--
18...	1223	80513	130	163	296	8.6	752	8.0	11.4	97	--
18...	1224	80513	140	163	296	8.5	752	7.5	11.2	95	--
18...	1225	80513	150	163	295	8.5	752	7.5	10.9	92	--
18...	1226	80513	160	163	296	8.5	752	7.5	10.6	90	--
18...	1227	80513	163	163	295	8.5	752	7.5	10.5	89	--

07059500 NORFORK LAKE NEAR NORFORK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
19...	1340	80513	80513	0.0	187	287	8.5	752	29.5	9.0	119
19...	1341	80513	80020	3.00	187	288	8.5	752	29.5	9.0	119
19...	1342	80513	80513	10.0	187	287	8.5	752	29.0	9.1	120
19...	1343	80513	80513	16.0	187	283	8.5	752	28.0	9.9	128
19...	1344	80513	80513	18.0	187	282	8.5	752	27.0	10.3	131
19...	1345	80513	80513	20.0	187	288	8.5	752	26.0	11.1	139
19...	1346	80513	80513	21.0	187	293	8.5	752	25.0	12.1	149
19...	1347	80513	80513	22.0	187	296	8.4	752	24.0	11.9	143
19...	1348	80513	80513	24.0	187	296	8.4	752	23.0	12.0	142
19...	1349	80513	81213	25.0	187	296	8.4	752	22.5	11.4	134
19...	1350	80513	80513	27.0	187	298	8.3	752	22.0	10.3	120
19...	1351	80513	80513	30.0	187	298	8.2	752	21.0	9.1	104
19...	1352	80513	80513	34.0	187	300	8.0	752	20.0	7.8	87
19...	1353	80513	80513	38.0	187	302	7.9	752	19.0	7.0	77
19...	1354	80513	80513	40.0	187	301	7.9	752	19.0	6.8	74
19...	1355	80513	80513	45.0	187	304	7.7	752	18.0	5.7	61
19...	1356	80513	80513	50.0	187	303	7.6	752	17.0	5.1	53
19...	1357	80513	80513	55.0	187	305	7.7	752	16.0	5.3	54
19...	1358	80513	80513	60.0	187	308	7.7	752	15.0	5.8	58
19...	1359	80513	80513	65.0	187	302	7.8	752	14.0	6.0	59
19...	1400	80513	80513	70.0	187	307	7.7	752	13.5	6.0	58
19...	1401	80513	80513	80.0	187	306	7.8	752	12.5	6.5	62
19...	1402	80513	80513	90.0	187	307	7.8	752	11.5	6.9	64
19...	1403	80513	81213	100	187	308	7.8	752	11.0	7.0	64
19...	1404	80513	80513	110	187	310	7.8	752	10.5	6.8	62
19...	1405	80513	80513	120	187	312	7.8	752	10.5	6.4	58
19...	1406	80513	80513	130	187	316	7.7	752	10.0	6.0	54
19...	1407	80513	80513	140	187	316	7.6	752	10.0	5.4	48
19...	1408	80513	80513	150	187	315	7.6	752	10.0	5.3	47
19...	1409	80513	80513	160	187	313	7.6	752	9.5	5.1	45
19...	1410	80513	80513	170	187	312	7.6	752	9.5	4.6	41
19...	1411	80513	80513	180	187	310	7.6	752	9.5	3.3	29
19...	1412	80513	80513	187	187	313	7.6	752	9.5	2.0	17

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
19...	1340	46.0	3	--	--	--	--	--	--
19...	1349	--	--	5	0.44	0.8	160	33	19
19...	1403	--	--	5	0.29	0.6	170	36	20

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1341	--	--	--	--	--	--	1.20	<0.100
19...	1349	156	0.010	0.060	<0.010	0.050	0.020	--	--
19...	1403	172	<0.010	0.380	0.010	0.050	0.020	--	--

07059500 NORFORK LAKE NEAR NORFORK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL											
02...	1245	80513	0.0	160	276	8.4	748	29.0	8.6	114	3.00
02...	1246	80513	3.00	160	275	8.4	748	29.0	8.6	113	--
02...	1247	80513	10.0	160	276	8.4	748	29.0	8.6	115	--
02...	1248	80513	19.0	160	277	8.5	748	28.0	10.3	134	--
02...	1249	80513	20.0	160	281	8.4	748	27.0	11.7	150	--
02...	1250	80513	22.0	160	293	8.3	748	26.0	11.3	141	--
02...	1251	80513	23.0	160	294	8.3	748	25.0	11.2	138	--
02...	1252	80513	26.0	160	296	8.2	748	24.0	10.5	127	--
02...	1253	80513	28.0	160	295	8.2	748	23.0	9.9	117	--
02...	1254	80513	30.0	160	295	8.1	748	22.0	9.0	106	--
02...	1255	80513	33.0	160	296	8.1	748	21.0	8.1	93	--
02...	1256	80513	38.0	160	296	7.9	748	20.0	6.5	73	--
02...	1257	80513	40.0	160	296	7.8	748	19.5	6.1	69	--
02...	1258	80513	47.0	160	298	7.6	748	18.5	4.4	48	--
02...	1259	80513	50.0	160	298	7.6	748	18.0	4.1	44	--
02...	1300	80513	55.0	160	301	7.6	748	17.0	3.9	41	--
02...	1301	80513	60.0	160	303	7.6	748	16.0	4.2	43	--
02...	1302	80513	65.0	160	305	7.6	748	15.0	4.5	46	--
02...	1303	80513	70.0	160	304	7.6	748	14.5	4.6	46	--
02...	1304	80513	80.0	160	305	7.6	748	13.5	4.8	47	--
02...	1305	80513	90.0	160	307	7.7	748	12.5	5.2	50	--
02...	1306	80513	100	160	307	7.8	748	11.5	5.7	54	--
02...	1307	80513	110	160	306	7.8	748	11.0	6.0	55	--
02...	1308	80513	120	160	308	7.7	748	10.5	5.5	51	--
02...	1309	80513	130	160	311	7.7	748	10.5	4.4	40	--
02...	1310	80513	140	160	316	7.6	748	10.0	3.7	34	--
02...	1311	80513	150	160	316	7.6	748	10.0	3.5	32	--
02...	1312	80513	160	160	317	7.6	748	10.0	2.7	24	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL											
30...	0945	80513	80513	0.0	179	280	8.3	752	28.0	8.7	113
30...	0946	80513	80020	3.00	179	281	8.3	752	28.0	8.6	112
30...	0947	80513	80513	10.0	179	282	8.3	752	28.0	8.6	112
30...	0948	80513	80513	20.0	179	282	8.3	752	28.0	8.6	111
30...	0949	80513	80020	25.0	179	291	8.3	752	28.0	10.1	131
30...	0950	80513	80513	29.0	179	291	8.2	752	27.5	10.1	129
30...	0951	80513	80513	30.0	179	308	8.1	752	25.0	10.3	127
30...	0952	80513	80513	31.0	179	310	8.0	752	24.5	9.2	112
30...	0953	80513	80513	33.0	179	310	7.9	752	23.5	8.2	98
30...	0954	80513	80513	36.0	179	311	7.8	752	22.5	6.9	81
30...	0955	80513	80513	40.0	179	308	7.7	752	21.5	5.5	63
30...	0956	80513	80513	45.0	179	308	7.6	752	20.5	4.3	49
30...	0957	80513	80513	50.0	179	308	7.5	752	19.5	3.1	35
30...	0958	80513	80513	55.0	179	306	7.4	752	19.0	2.5	28
30...	0959	80513	80513	60.0	179	308	7.4	752	18.5	2.1	23
30...	1000	80513	80513	65.0	179	313	7.4	752	17.5	1.8	19
30...	1001	80513	80513	70.0	179	311	7.5	752	16.5	1.9	20
30...	1002	80513	80513	75.0	179	313	7.5	752	16.0	2.2	22
30...	1003	80513	80513	80.0	179	318	7.6	752	15.5	2.4	24
30...	1004	80513	80513	85.0	179	320	7.6	752	14.0	2.7	26
30...	1005	80513	80513	90.0	179	320	7.6	752	13.5	3.2	31
30...	1006	80513	80513	95.0	179	321	7.7	752	12.5	3.4	33
30...	1007	80513	80020	100	179	325	7.7	752	12.0	3.5	33
30...	1008	80513	80513	110	179	326	7.7	752	11.5	3.6	33
30...	1009	80513	80513	120	179	321	7.7	752	11.0	2.8	25
30...	1010	80513	80513	130	179	327	7.7	752	10.5	2.4	22
30...	1011	80513	80513	140	179	330	7.6	752	10.5	1.7	15
30...	1012	80513	80513	150	179	332	7.6	752	10.0	0.8	7
30...	1013	80513	80513	160	179	327	7.6	752	10.0	0.4	3
30...	1014	80513	80513	170	179	331	7.6	752	9.5	0.3	3
30...	1015	80513	80513	179	179	337	7.7	752	9.5	0.3	2

07059500 NORFORK LAKE NEAR NORFORK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL									
30...	0945	4.70	0	--	--	--	--	--	--
30...	0949	--	--	1	0.50	1.3	150	27	19
30...	1007	--	--	3	0.40	1.3	180	36	22

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
30...	0946	--	--	--	--	--	--	1.10	<0.100
30...	0949	136	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
30...	1007	162	<0.010	0.440	<0.010	<0.010	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
AUG											
20...	1730	80513	0.0	159	272	8.5	753	29.0	8.4	111	4.10
20...	1731	80513	10.0	159	273	8.5	753	29.0	8.2	108	--
20...	1732	80513	20.0	159	274	8.5	753	28.0	8.4	108	--
20...	1733	80513	30.0	159	274	8.5	753	28.0	8.2	106	--
20...	1734	80513	32.0	159	277	8.4	753	27.5	8.1	104	--
20...	1735	80513	33.0	159	301	8.1	753	26.0	7.7	97	--
20...	1736	80513	34.0	159	304	8.0	753	25.0	7.4	90	--
20...	1737	80513	37.0	159	303	7.9	753	24.0	6.1	73	--
20...	1738	80513	40.0	159	303	7.6	753	23.0	4.7	55	--
20...	1739	80513	43.0	159	301	7.5	753	22.0	3.0	35	--
20...	1740	80513	46.0	159	302	7.5	753	21.0	2.5	28	--
20...	1741	80513	50.0	159	299	7.5	753	20.0	2.2	24	--
20...	1742	80513	55.0	159	301	7.5	753	19.0	1.9	21	--
20...	1743	80513	60.0	159	302	7.5	753	18.0	1.9	20	--
20...	1744	80513	65.0	159	305	7.5	753	17.0	2.0	21	--
20...	1745	80513	70.0	159	307	7.5	753	16.5	2.1	22	--
20...	1746	80513	80.0	159	310	7.5	753	15.5	2.7	27	--
20...	1747	80513	85.0	159	311	7.5	753	14.5	3.1	31	--
20...	1748	80513	90.0	159	312	7.5	753	14.0	3.8	37	--
20...	1749	80513	100	159	313	7.5	753	13.0	3.6	34	--
20...	1750	80513	110	159	315	7.6	753	12.0	3.6	34	--
20...	1751	80513	120	159	321	7.5	753	11.5	3.5	32	--
20...	1752	80513	130	159	324	7.5	753	11.0	2.4	22	--
20...	1753	80513	140	159	325	7.5	753	10.5	2.0	18	--
20...	1754	80513	150	159	324	7.5	753	10.5	1.9	17	--
20...	1755	80513	159	159	329	7.5	753	10.0	1.9	17	--

07059500 NORFORK LAKE NEAR NORFORK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP											
05...	1340	80513	0.0	164	272	8.4	749	27.5	8.1	105	4.40
05...	1341	80513	10.0	164	273	8.4	749	27.0	8.3	106	--
05...	1342	80513	20.0	164	271	8.4	749	27.0	8.2	105	--
05...	1343	80513	30.0	164	271	8.4	749	27.0	8.1	103	--
05...	1344	80513	35.0	164	309	7.6	749	25.0	3.6	45	--
05...	1345	80513	37.0	164	308	7.5	749	24.0	2.9	35	--
05...	1346	80513	40.0	164	306	7.4	749	23.5	1.8	22	--
05...	1348	80513	43.0	164	303	7.3	749	22.5	0.3	4	--
05...	1349	80513	47.0	164	302	7.3	749	21.5	0.3	4	--
05...	1350	80513	50.0	164	300	7.3	749	20.5	0.3	4	--
05...	1351	80513	55.0	164	298	7.4	749	19.5	0.3	3	--
05...	1352	80513	60.0	164	300	7.4	749	18.5	0.3	3	--
05...	1353	80513	70.0	164	304	7.4	749	17.5	0.4	4	--
05...	1354	80513	75.0	164	303	7.4	749	16.5	0.5	5	--
05...	1355	80513	80.0	164	304	7.4	749	16.0	0.7	7	--
05...	1356	80513	90.0	164	308	7.4	749	14.5	1.3	13	--
05...	1357	80513	100	164	311	7.5	749	13.0	1.7	17	--
05...	1358	80513	110	164	316	7.5	749	12.5	1.5	14	--
05...	1359	80513	120	164	322	7.5	749	11.5	0.4	4	--
05...	1400	80513	130	164	323	7.5	749	11.0	0.4	4	--
05...	1401	80513	140	164	327	7.5	749	11.0	0.4	4	--
05...	1402	80513	150	164	323	7.5	749	10.5	0.4	4	--
05...	1403	80513	160	164	323	7.5	749	10.5	0.4	4	--
05...	1404	80513	164	164	326	7.5	749	10.0	0.4	4	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP											
17...	1640	80513	0.0	164	292	8.3	749	27.5	8.0	103	4.00
17...	1641	80513	10.0	164	291	8.3	749	27.5	7.9	102	--
17...	1642	80513	20.0	164	291	8.3	749	27.5	7.8	100	--
17...	1643	80513	30.0	164	303	8.1	749	27.0	5.5	70	--
17...	1644	80513	31.0	164	312	7.8	749	26.5	4.1	51	--
17...	1645	80513	35.0	164	316	7.6	749	25.5	2.6	33	--
17...	1646	80513	38.0	164	316	7.5	749	24.5	1.3	16	--
17...	1647	80513	40.0	164	330	7.4	749	24.0	0.7	9	--
17...	1648	80513	43.0	164	326	7.4	749	23.5	0.1	1	--
17...	1649	80513	45.0	164	322	7.4	749	22.5	0.1	1	--
17...	1650	80513	47.0	164	316	7.4	749	21.5	0.1	1	--
17...	1651	80513	50.0	164	318	7.4	749	21.0	0.0	1	--
17...	1652	80513	55.0	164	314	7.4	749	19.5	0.1	1	--
17...	1653	80513	60.0	164	316	7.4	749	19.0	0.1	1	--
17...	1654	80513	65.0	164	308	7.4	749	18.0	0.0	1	--
17...	1655	80513	70.0	164	314	7.4	749	17.5	0.0	1	--
17...	1656	80513	75.0	164	320	7.4	749	16.5	0.0	1	--
17...	1657	80513	80.0	164	319	7.4	749	16.0	0.1	1	--
17...	1658	80513	85.0	164	328	7.4	749	15.0	0.3	3	--
17...	1659	80513	90.0	164	318	7.4	749	15.0	0.4	4	--
17...	1700	80513	100	164	328	7.4	749	13.5	0.7	7	--
17...	1701	80513	110	164	332	7.4	749	12.5	0.7	7	--
17...	1702	80513	120	164	338	7.4	749	12.0	0.2	2	--
17...	1703	80513	130	164	341	7.4	749	11.5	0.1	1	--
17...	1704	80513	140	164	339	7.4	749	11.0	0.1	1	--
17...	1705	80513	150	164	340	7.4	749	10.5	0.1	1	--
17...	1706	80513	160	164	339	7.4	749	10.0	0.1	1	--
17...	1707	80513	164	164	342	7.4	749	10.0	0.1	1	--

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

LOCATION.--Lat 36°14'18", long 92°14'18", in SE¼SW¼ 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 September 1991.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Water years 1967-71, July to September 1991.
DISSOLVED OXYGEN: May to September 1991.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV								
19...	1050	80513	307	7.5	754	15.0	3.3	33
MAR								
18...	1145	80513	300	8.4	755	9.0	12.4	108

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN									
19...	1315	80513	81213	319	7.7	756	13.0	7.1	67

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN								
19...	1315	7	5	0.51	1.3	170	36	20

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN							
19...	1315	174	<0.010	0.380	0.020	0.040	0.020

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUL								
02...	1230	80513	307	7.4	753	12.5	6.1	58

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUL									
24...	1345	80513	80513	3.50	7.00	27.0	13.5	4.5	752
24...	1348	80513	80513	4.00	8.00	81.0	13.5	4.4	752
24...	1350	80513	80513	4.00	8.00	135	13.5	4.5	752
24...	1352	80513	80513	4.00	8.00	189	13.5	4.4	752
24...	1354	80513	80513	4.50	9.00	243	13.0	4.3	752
24...	1356	80513	80513	4.50	9.00	279	13.0	4.4	752
24...	1358	80513	80513	3.50	7.00	351	13.0	4.4	752
24...	1400	80513	80513	3.50	7.00	405	13.0	4.4	752
24...	1402	80513	80513	3.00	6.00	459	13.0	4.4	752
24...	1404	80513	80513	3.00	6.00	513	13.0	4.4	752

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL									
29...	1230	80513	80020	322	7.3	755	13.0	8.1	78

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL								
29...	1230	3	<1	1.8	1.3	150	31	18

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUL							
29...	1230	168	0.010	0.420	0.030	0.020	<0.010

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
AUG									
08...	0720	80513	80513	1.00	2.00	11.0	12.5	3.9	753
08...	0722	80513	80513	1.50	3.00	34.0	12.5	3.9	753
08...	0724	80513	80513	2.00	4.00	57.0	13.0	4.1	753
08...	0726	80513	80513	1.50	3.00	80.0	13.0	4.1	753
08...	0728	80513	80513	1.50	3.00	103	13.0	4.2	753
08...	0730	80513	80513	1.00	2.00	126	13.0	4.2	753
08...	0732	80513	80513	1.00	2.00	149	13.0	4.2	753
08...	0734	80513	80513	1.00	2.00	172	13.0	4.3	753
08...	0736	80513	80513	1.00	2.00	195	13.0	4.3	753
08...	0738	80513	80513	1.00	2.00	218	13.0	4.1	753

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG								
20...	1815	80513	319	7.7	752	13.5	7.3	70

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
SEP							
05...	1050	80513	80513	1.50	3.00	11.0	--
05...	1052	80513	80513	1.00	2.00	33.0	--
05...	1054	80513	80513	1.50	3.00	55.0	--
05...	1056	80513	80513	2.00	4.00	77.0	--
05...	1058	80513	80513	2.00	4.00	99.0	--
05...	1100	80513	80513	1.00	2.00	121	--
05...	1102	80513	80513	1.00	2.00	143	--
05...	1104	80513	80513	1.00	2.00	165	--
05...	1106	80513	80513	1.00	2.00	187	--
05...	1108	80513	80513	1.00	2.00	209	--
05...	1420	80513	80513	--	--	--	330
17...	1725	80513	80513	--	--	--	335
18...	0710	80513	80513	1.50	3.00	11.0	--
18...	0712	80513	80513	1.50	3.00	33.0	--
18...	0714	80513	80513	1.50	3.00	55.0	--
18...	0716	80513	80513	1.00	2.00	77.0	--
18...	0718	80513	80513	1.00	2.00	99.0	--
18...	0720	80513	80513	1.00	2.00	121	--
18...	0722	80513	80513	1.00	2.00	143	--
18...	0724	80513	80513	0.50	1.00	165	--
18...	0726	80513	80513	1.00	2.00	187	--
18...	0728	80513	80513	0.50	1.00	209	--

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
SEP						
05...	1050	--	13.5	4.3	--	752
05...	1052	--	13.5	4.4	--	752
05...	1054	--	13.0	4.6	--	752
05...	1056	--	13.5	4.6	--	752
05...	1058	--	13.5	5.1	--	752
05...	1100	--	13.5	5.2	--	752
05...	1102	--	14.0	5.0	--	752
05...	1104	--	13.5	5.3	--	752
05...	1106	--	13.5	4.5	--	752
05...	1108	--	13.5	5.3	--	752
05...	1420	8.1	15.0	11.8	117	753
17...	1725	8.0	13.0	8.6	83	753
18...	0710	--	13.0	1.8	--	760
18...	0712	--	13.0	1.8	--	760
18...	0714	--	13.0	2.0	--	760
18...	0716	--	13.0	2.0	--	760
18...	0718	--	13.0	2.0	--	760
18...	0720	--	13.0	2.0	--	760
18...	0722	--	13.5	2.1	--	760
18...	0724	--	13.5	2.0	--	760
18...	0726	--	13.0	1.7	--	760
18...	0728	--	13.0	1.6	--	760

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	15.6	9.3	10.3
4	---	---	---	---	---	---	---	---	---	13.9	9.3	10.7
5	---	---	---	---	---	---	---	---	---	16.5	8.9	10.8
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	10.5	9.2	9.7
10	---	---	---	---	---	---	---	---	---	10.3	9.5	9.8
11	---	---	---	---	---	---	---	---	---	9.7	9.5	9.6
12	---	---	---	---	---	---	---	---	---	9.7	9.4	9.6
13	---	---	---	---	---	---	---	---	---	11.1	9.5	9.9
14	---	---	---	---	---	---	---	---	---	10.6	9.5	10.0
15	---	---	---	---	---	---	---	---	---	9.8	9.5	9.6
16	---	---	---	---	---	---	---	---	---	11.6	9.6	9.9
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	11.0	9.6	10.0
20	---	---	---	---	---	---	---	---	---	11.4	9.5	10.0
21	---	---	---	---	---	---	---	---	---	10.0	9.5	9.7
22	---	---	---	---	---	---	---	---	---	9.9	9.6	9.7
23	---	---	---	---	---	---	---	---	---	9.9	9.7	9.8
24	---	---	---	---	---	---	---	---	---	10.0	9.6	9.8
25	---	---	---	---	---	---	---	---	---	10.6	9.8	10.0
26	---	---	---	---	---	---	---	---	---	10.0	9.8	9.9
27	---	---	---	---	---	---	---	---	---	10.1	9.7	9.9
28	---	---	---	---	---	---	---	---	---	10.8	9.7	10.1
29	---	---	---	---	---	---	---	---	---	11.5	9.9	10.3
30	---	---	---	---	---	---	---	---	---	10.4	9.9	10.1
31	---	---	---	---	---	---	---	---	---	10.4	10.0	10.2

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.6	10.3	11.4	11.9	11.3	11.7	13.8	12.8	13.3	14.5	13.2	13.8
2	13.6	10.4	11.2	12.1	11.3	11.8	13.7	13.4	13.6	14.3	13.3	13.9
3	12.9	10.3	11.1	12.4	11.7	12.0	13.8	13.0	13.6	14.3	13.3	13.9
4	12.1	10.2	10.9	12.2	11.7	12.0	---	---	---	14.9	13.4	14.0
5	10.8	10.0	10.3	12.3	11.9	12.1	13.8	13.1	13.5	15.1	13.3	13.9
6	10.4	10.0	10.2	12.5	12.0	12.3	13.7	12.3	13.5	15.6	13.1	13.8
7	10.4	10.1	10.2	12.7	12.3	12.5	15.8	13.2	13.7	14.6	13.1	13.8
8	10.5	10.1	10.3	12.8	12.3	12.5	14.5	13.5	13.9	16.8	13.4	14.2
9	10.4	10.1	10.3	12.7	12.2	12.6	15.1	13.1	13.9	15.2	13.9	14.3
10	10.4	10.1	10.3	12.8	12.3	12.6	15.2	13.7	14.3	16.1	13.3	14.1
11	10.5	10.3	10.4	12.9	12.4	12.7	13.9	12.8	13.5	14.9	13.3	14.0
12	10.6	10.4	10.5	13.9	12.6	12.9	---	---	---	14.3	13.1	13.9
13	10.6	10.5	10.5	13.2	12.8	13.0	14.2	12.8	13.6	14.3	13.1	14.0
14	10.7	10.5	10.5	13.3	12.7	12.9	16.5	12.6	13.6	15.4	13.5	14.2
15	10.9	10.5	10.7	13.0	12.5	12.8	14.6	12.5	13.6	14.6	13.3	14.2
16	11.2	10.7	10.9	13.2	12.7	13.0	15.9	12.5	13.7	14.8	13.3	14.2
17	11.0	10.8	10.9	13.3	12.8	13.1	14.9	12.9	13.7	15.4	13.4	14.2
18	11.0	10.8	10.9	14.7	12.9	13.2	20.8	12.9	14.7	14.5	13.3	14.0
19	11.4	10.8	11.0	13.8	12.7	13.1	20.3	12.8	14.6	16.2	11.9	13.6
20	11.1	10.4	10.9	13.3	12.8	13.1	19.6	12.2	14.3	14.3	11.6	13.1
21	11.3	10.8	11.1	---	---	---	13.9	12.8	13.5	16.0	11.6	13.3
22	11.4	11.1	11.2	13.7	12.5	13.3	16.1	12.8	13.8	14.5	13.1	13.8
23	11.5	11.1	11.3	13.8	12.8	13.2	16.5	13.2	14.0	16.5	13.7	14.5
24	11.4	11.1	11.3	14.1	13.1	13.3	16.6	13.0	14.1	14.5	13.2	14.1
25	11.5	11.1	11.3	13.6	12.9	13.2	18.2	12.7	14.0	14.7	14.0	14.4
26	11.5	11.1	11.3	14.9	12.3	13.1	13.9	13.0	13.6	15.9	14.1	14.4
27	11.5	11.2	11.4	13.3	13.1	13.2	14.1	13.2	13.8	14.5	14.1	14.3
28	11.8	11.4	11.7	13.6	13.2	13.3	15.3	13.2	13.9	14.6	14.2	14.4
29	11.9	11.6	11.7	13.5	13.2	13.3	14.3	13.3	13.9	15.0	14.4	14.7
30	11.9	11.4	11.7	13.5	12.8	13.3	14.4	13.6	14.0	15.0	14.6	14.7
31	---	---	---	13.5	13.0	13.2	14.3	13.2	13.7	---	---	---
MONTH	14.6	10.0	10.9	---	---	---	---	---	---	16.8	11.6	14.1

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	10.3	7.9	9.3
4	---	---	---	---	---	---	---	---	---	10.1	8.6	9.7
5	---	---	---	---	---	---	---	---	---	11.1	9.0	9.8
6	---	---	---	---	---	---	---	---	---	13.7	8.0	11.3
7	---	---	---	---	---	---	---	---	---	14.0	9.7	12.0
8	---	---	---	---	---	---	---	---	---	12.5	8.8	10.8
9	---	---	---	---	---	---	---	---	---	12.5	8.9	10.6
10	---	---	---	---	---	---	---	---	---	10.9	6.9	9.8
11	---	---	---	---	---	---	---	---	---	10.5	6.3	9.6
12	---	---	---	---	---	---	---	---	---	10.9	6.0	9.7
13	---	---	---	---	---	---	---	---	---	12.6	8.7	10.7
14	---	---	---	---	---	---	---	---	---	12.0	4.9	8.1
15	---	---	---	---	---	---	---	---	---	10.4	4.7	8.6
16	---	---	---	---	---	---	---	---	---	10.4	5.2	8.1
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	10.7	5.4	8.6
22	---	---	---	---	---	---	---	---	---	10.2	5.5	8.5
23	---	---	---	---	---	---	---	---	---	9.9	5.7	8.4
24	---	---	---	---	---	---	---	---	---	10.2	5.3	8.5
25	---	---	---	---	---	---	---	---	---	10.5	6.3	8.5
26	---	---	---	---	---	---	---	---	---	10.4	5.0	8.3
27	---	---	---	---	---	---	---	---	---	10.1	5.1	8.1
28	---	---	---	---	---	---	---	---	---	10.4	3.9	8.0
29	---	---	---	---	---	---	---	---	---	10.0	3.8	7.3
30	---	---	---	---	---	---	---	---	---	9.4	5.1	7.8
31	---	---	---	---	---	---	---	---	---	10.3	5.0	7.6

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.3	5.1	5.7	6.3	4.1	4.8	7.1	2.3	4.3
2	---	---	---	7.7	4.5	5.5	5.1	4.4	4.5	5.3	3.0	4.5
3	---	---	---	7.3	4.6	5.2	4.8	3.1	4.3	4.7	2.4	4.0
4	---	---	---	7.4	4.6	5.4	---	---	---	5.7	1.6	3.6
5	8.5	4.2	7.1	6.5	4.3	5.0	---	---	---	6.4	1.2	3.9
6	9.4	4.5	7.6	5.9	4.1	4.7	4.7	3.5	4.4	7.3	2.1	4.0
7	9.1	4.7	7.2	5.7	3.8	4.6	5.9	2.7	4.1	8.5	2.4	4.3
8	8.5	5.8	7.6	5.5	3.8	4.3	6.6	3.2	5.0	9.8	2.6	4.6
9	8.2	4.9	7.2	5.2	3.7	4.3	6.9	2.9	4.6	6.5	3.6	4.9
10	9.1	7.5	8.0	6.4	4.0	4.7	8.6	3.2	5.3	8.1	2.1	4.1
11	7.7	7.3	7.5	5.7	1.7	4.3	6.3	2.4	4.3	7.2	2.6	4.3
12	7.7	7.3	7.4	7.9	.3	2.9	---	---	---	5.9	1.9	3.8
13	7.6	7.2	7.4	5.5	.4	4.0	8.0	3.8	5.4	4.5	2.2	3.9
14	7.6	7.0	7.3	5.8	.6	3.8	7.0	2.8	4.8	8.2	2.0	3.9
15	7.4	7.1	7.2	6.2	.4	2.9	7.8	3.4	5.6	5.5	1.6	3.9
16	7.7	6.9	7.2	5.2	.8	3.9	8.7	2.9	5.3	4.8	1.6	3.6
17	7.4	6.9	7.1	5.6	1.2	3.5	7.5	3.2	4.8	4.6	1.6	3.6
18	7.4	6.9	7.1	7.6	.7	3.9	9.2	2.9	5.5	6.9	1.4	3.7
19	9.7	4.6	7.7	6.8	.5	3.6	10.0	2.8	5.7	6.9	2.5	4.7
20	8.4	1.0	6.1	6.6	.3	3.8	10.3	3.4	5.5	9.0	3.2	5.0
21	9.2	6.6	7.6	---	---	---	6.4	4.3	4.9	9.2	2.3	4.5
22	6.9	6.4	6.6	---	---	---	7.8	3.3	5.1	5.3	1.9	3.8
23	6.7	6.2	6.4	5.0	.3	3.2	7.7	3.2	5.4	8.2	2.6	4.5
24	8.4	5.1	6.7	6.1	1.2	3.7	8.6	3.2	6.1	4.9	2.2	4.1
25	7.5	2.4	5.6	5.8	3.3	4.6	8.9	2.6	5.5	5.2	4.5	4.8
26	7.8	2.9	5.5	7.0	3.4	4.7	7.8	3.2	4.6	9.4	4.3	5.0
27	6.9	1.3	5.0	5.6	4.3	5.0	5.3	3.0	4.3	5.3	4.3	4.6
28	7.0	5.5	5.8	5.5	4.4	5.1	6.1	2.7	4.2	5.3	4.4	4.7
29	7.1	4.7	6.1	5.8	4.7	5.4	5.4	3.5	4.3	5.2	4.4	4.7
30	8.1	5.2	6.0	5.8	4.2	5.1	5.5	2.9	4.3	5.3	4.3	4.7
31	---	---	---	5.7	4.1	4.9	4.7	2.5	3.9	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.8	1.2	4.3

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS

LOCATION.--Lat 36°06'58", long 92°08'35", in SE¼NE¼ sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

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

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--52 years, 10,120 ft^3/s, 7,332,000 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,000 ft^3/s Apr. 15, gage height, 14.13 ft; minimum daily, 892 ft^3/s Nov. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4150	6090	9340	12900	31900	7900	7600	16300	8140	17900	3070	1970
2	14700	6240	5850	11800	33700	5840	16800	13700	3050	17600	12700	3420
3	15700	3900	5000	10800	33800	4350	10300	12200	6370	18700	6760	2500
4	14100	1750	14800	9770	34000	6260	14200	13000	8600	18900	4870	3680
5	8890	1390	17100	9900	30100	8930	17300	13900	6420	20000	2500	2180
6	9460	4280	11100	6390	23700	3710	11700	12300	11500	18700	2360	3350
7	8820	4420	8320	9070	23000	4290	10100	11500	14600	19600	5260	4820
8	8870	6450	4720	16800	23300	13000	8990	10400	13600	19100	7960	4810
9	14900	5790	2200	10800	21000	7710	11500	10000	14400	19800	2950	2100
10	13600	5050	2370	12400	17800	7100	11300	10700	14900	20200	1700	7250
11	9170	1570	2450	15100	7290	4910	9860	11900	17300	19700	2270	5910
12	9460	1190	2380	18100	17300	5240	13600	13600	15800	17400	4110	6890
13	8340	2780	3330	13800	17400	7880	17600	14300	15600	18300	2070	6920
14	2550	5460	5820	10100	16000	19000	34200	12800	14900	16900	2340	6450
15	2720	7390	4730	9770	23800	12300	32300	8760	15300	17400	6560	5310
16	13900	6880	2870	12000	22900	3820	23600	8900	15000	12500	8360	3870
17	13500	7910	3500	12400	10300	2360	16500	8860	13000	13500	9470	2970
18	13400	6650	13100	13800	8380	2130	17000	9430	10900	11000	6180	1560
19	9800	2750	9250	16000	16100	3810	22900	9320	10800	12000	1590	1370
20	5110	2900	8820	13800	18100	2380	16800	9600	9620	13400	2510	1350
21	4210	3890	9790	17900	10100	2470	13500	10700	14700	5450	3630	1500
22	6290	8120	20900	21300	9820	3610	11000	9940	18000	5280	7090	1120
23	15200	2980	10500	22200	17900	9580	10500	9550	16800	11400	9170	1090
24	6840	1120	9380	22200	7440	15100	10800	10500	16300	5340	5500	1160
25	4100	892	9280	26200	10200	6340	9240	11100	13200	3150	1490	1690
26	4510	1440	8620	28200	13000	19200	10500	18300	14400	2100	1620	1670
27	3490	6680	15500	28700	9840	20900	12100	15700	14200	5810	8740	1790
28	6340	9170	12700	29600	9870	24400	11900	12200	16800	4700	6020	1750
29	4050	10500	9890	29400	---	14300	27500	9140	17100	3390	3180	1760
30	4570	10700	26000	31000	---	12600	23400	8530	17300	5080	4400	1690
31	5610	---	20000	30800	---	9950	---	6980	---	3430	2630	---
TOTAL	266350	146332	289610	533000	518040	271370	464590	354110	398600	397730	149060	93900
MEAN	8592	4878	9342	17190	18500	8754	15490	11420	13290	12830	4808	3130
MAX	15700	10700	26000	31000	34000	24400	34200	18300	18000	20200	12700	7250
MIN	2550	892	2200	6390	7290	2130	7600	6980	3050	2100	1490	1090
AC-FT	528300	290200	574400	1057000	1028000	538300	921500	702400	790600	788900	295700	186300

CAL YR 1990 TOTAL 5472178 MEAN 14990 MAX 96300 MIN 728 AC-FT 10850000
WTR YR 1991 TOTAL 3882692 MEAN 10640 MAX 34200 MIN 892 AC-FT 7701000

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Water years 1967-1981, May to September 1991.
DISSOLVED OXYGEN: May to September 1991.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
OCT											
26...	0845	4060	K1700	120	0.6	150	36	15	1.8	2	0.1
DEC											
11...	1000	1980	3200	96	1.7	150	39	12	1.9	3	0.1
FEB											
13...	0925	1300	8	22	1.8	120	34	9.4	2.6	4	0.1
APR											
09...	1445	4500	70	23	0.9	140	37	12	2.3	3	0.1
JUN											
24...	1430	7700	460	280	1.5	140	37	12	2.5	4	0.1

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT											
26...	0845	1.4	141	5.4	5.4	<0.10	--	150	1650	0.20	<0.010
DEC											
11...	1000	1.3	148	5.1	5.2	0.30	5.1	160	853	0.22	<0.010
FEB											
13...	0925	1.5	116	7.2	6.0	<0.10	3.1	135	7750	0.18	<0.010
APR											
09...	1445	1.2	128	5.7	4.4	0.10	3.7	144	5630	0.20	<0.010
JUN											
24...	1430	1.5	124	4.6	5.1	<0.10	3.8	142	6810	0.19	<0.010

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT											
26...	0845	0.200	0.200	0.030	0.030	1.7	1.7	<0.010	<0.010	<0.010	<0.010
DEC											
11...	1000	0.200	0.200	0.030	0.020	0.17	0.20	<0.010	<0.010	<0.010	<0.010
FEB											
13...	0925	0.200	0.300	<0.010	0.020	--	0.30	<0.010	0.030	<0.010	<0.010
APR											
09...	1445	0.170	0.150	<0.010	<0.010	--	0.30	<0.010	<0.010	0.010	<0.010
JUN											
24...	1430	0.350	0.350	0.030	0.030	--	<0.20	<0.010	<0.010	<0.010	<0.010

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
FEB										
13...	0925	30	<1	<1	<1	<1	1	70	<1	30

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	BORON, DISSOLVED (UG/L AS B) (01020)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
26...	0845	--	--	--	--	--	10	2	22	100
DEC										
11...	1000	--	--	--	--	--	<10	1	5.3	100
FEB										
13...	0925	<1	<0.10	<1	<1	<10	<10	2	115	100
APR										
09...	1445	--	--	--	--	--	10	18	705	85
JUN										
24...	1430	--	--	--	--	--	<10	7	335	48

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SPECIFIC CONDUCTANCE (US/CM) (00095)
OCT							
26.	0845	80513	80020	--	--	--	288
DEC							
11.	1000	80513	80020	--	--	--	295
FEB							
13.	0925	80513	80020	--	--	--	245
APR							
09.	1445	80513	80020	--	--	--	269
09.	1500	80513	80513	2.00	4.00	600	277
09.	1502	80513	80513	2.00	8.00	550	277
09.	1503	80513	80513	6.00	8.00	550	278
09.	1504	80513	80513	2.00	10.0	500	275
09.	1505	80513	80513	8.00	10.0	500	276
09.	1506	80513	80513	2.00	8.00	450	272
09.	1507	80513	80513	6.00	8.00	450	272
09.	1508	80513	80513	2.00	8.00	400	269
09.	1509	80513	80513	6.00	8.00	400	267
09.	1510	80513	80513	2.00	8.00	350	268
09.	1511	80513	80513	6.00	8.00	350	268
09.	1512	80513	80513	3.00	5.00	300	269
09.	1514	80513	80513	3.00	5.00	250	265
09.	1516	80513	80513	3.00	5.00	200	262
09.	1518	80513	80513	3.00	5.00	150	260
JUN							
24.	1430	80513	80020	--	--	--	275

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT						
26.	0845	8.1	12.5	9.1	86	760
DEC						
11.	1000	8.0	9.0	10.9	95	758
FEB						
13.	0925	8.1	8.0	10.4	91	738
APR						
09.	1445	8.4	14.5	10.7	106	755
09.	1500	8.2	14.0	10.7	105	755
09.	1502	8.4	14.0	11.0	108	755
09.	1503	8.4	14.0	10.5	103	755
09.	1504	8.3	14.0	10.6	104	755
09.	1505	8.4	14.0	10.5	103	755
09.	1506	8.4	14.0	10.7	105	755
09.	1507	8.4	14.0	10.6	104	755
09.	1508	8.4	14.0	10.6	104	755
09.	1509	8.4	14.0	10.5	103	755
09.	1510	8.4	14.0	10.6	104	755
09.	1511	8.4	14.0	10.6	104	755
09.	1512	8.4	14.5	10.4	103	755
09.	1514	8.4	14.5	10.2	101	755
09.	1516	8.4	15.0	9.9	99	755
09.	1518	8.4	15.5	9.9	100	755
JUN						
24.	1430	8.0	12.0	8.0	75	756

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUL									
23...	1030	80513	80513	3.50	7.00	150	15.0	8.0	755
23...	1033	80513	80513	4.50	9.00	200	14.5	7.9	755
23...	1036	80513	80513	4.00	8.00	250	14.5	7.8	755
23...	1040	80513	80513	4.50	9.00	300	14.5	7.8	755
23...	1042	80513	80513	4.50	9.00	350	14.5	7.8	755
23...	1045	80513	80513	4.00	8.00	400	14.5	7.8	755
23...	1048	80513	80513	3.50	7.00	450	14.5	8.0	755
23...	1052	80513	80513	3.50	7.00	500	14.5	8.0	755
23...	1055	80513	80513	3.00	6.00	550	15.0	8.1	755
23...	1057	80513	80513	2.00	4.00	600	15.0	8.1	755
AUG									
07...	0915	80513	80513	3.50	7.00	24.0	19.0	7.3	758
07...	0916	80513	80513	3.00	6.00	73.0	20.0	7.2	758
07...	0917	80513	80513	3.00	6.00	122	21.0	6.9	758
07...	0918	80513	80513	3.00	6.00	171	21.5	6.9	758
07...	0919	80513	80513	3.00	6.00	220	23.0	6.8	758
07...	0920	80513	80513	3.00	6.00	269	23.0	6.9	758
07...	0921	80513	80513	2.00	4.00	318	22.0	7.0	758
07...	0922	80513	80513	2.50	5.00	367	21.5	7.1	758
07...	0923	80513	80513	2.50	5.00	416	21.0	7.3	758
07...	0924	80513	80513	2.00	4.00	465	21.0	7.4	758

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP									
04...	1440	80513	80513	1.50	3.00	150	20.5	9.1	754
04...	1442	80513	80513	3.00	6.00	200	20.0	8.8	754
04...	1444	80513	80513	2.50	5.00	250	20.0	8.7	754
04...	1446	80513	80513	2.00	4.00	300	20.0	8.7	754
04...	1448	80513	80513	2.00	4.00	350	20.0	8.7	754
04...	1450	80513	80513	2.00	4.00	400	19.5	8.7	754
04...	1452	80513	80513	2.50	5.00	450	19.5	8.7	754
04...	1454	80513	80513	2.50	5.00	500	19.5	8.6	754
04...	1456	80513	80513	4.00	8.00	550	19.5	8.6	754
04...	1458	80513	80513	2.00	4.00	600	19.5	8.7	754

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
SEP										
05.	1300	1910	290	170	0.8	150	37	14	2.2	3

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
SEP									
05.	1300	0.1	1.4	147	6.0	5.1	<0.10	5.8	161

DATE	TIME	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
SEP									
05.	1300	832	0.22	<0.010	0.360	0.380	<0.010	<0.010	0.40

DATE	TIME	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BORON, DISSOLVED (UG/L AS B) (01020)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP									
05.	1300	0.020	<0.010	<0.010	<0.010	<10	6	31	84

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
SEP									
18...	1020	80513	80513	0.50	1.00	148	18.0	8.7	754
18...	1022	80513	80513	0.50	1.00	195	17.5	8.8	754
18...	1024	80513	80513	1.00	2.00	242	17.5	8.6	754
18...	1026	80513	80513	1.00	2.00	289	17.5	8.5	754
18...	1028	80513	80513	1.50	3.00	336	17.0	8.5	754
18...	1030	80513	80513	2.00	4.00	383	17.0	8.5	754
18...	1032	80513	80513	1.50	3.00	430	17.0	8.5	754
18...	1034	80513	80513	2.00	4.00	477	17.0	8.5	754
18...	1036	80513	80513	1.50	3.00	524	17.0	8.5	754
18...	1038	80513	80513	1.00	2.00	571	17.0	8.5	754

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	16.6	14.9	15.7
16	---	---	---	---	---	---	---	---	---	17.6	14.5	16.1
17	---	---	---	---	---	---	---	---	---	18.7	15.6	17.0
18	---	---	---	---	---	---	---	---	---	17.5	15.5	16.8
19	---	---	---	---	---	---	---	---	---	17.1	13.7	15.8
20	---	---	---	---	---	---	---	---	---	17.2	14.9	15.9
21	---	---	---	---	---	---	---	---	---	17.3	14.2	15.5
22	---	---	---	---	---	---	---	---	---	17.4	14.1	15.8
23	---	---	---	---	---	---	---	---	---	17.2	13.7	15.4
24	---	---	---	---	---	---	---	---	---	16.2	14.6	15.1
25	---	---	---	---	---	---	---	---	---	17.6	14.4	15.9
26	---	---	---	---	---	---	---	---	---	21.5	15.5	18.2
27	---	---	---	---	---	---	---	---	---	19.7	15.7	17.5
28	---	---	---	---	---	---	---	---	---	20.7	15.2	16.8
29	---	---	---	---	---	---	---	---	---	19.8	16.3	17.9
30	---	---	---	---	---	---	---	---	---	22.0	15.2	18.0
31	---	---	---	---	---	---	---	---	---	21.3	14.8	18.0

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.8	13.9	16.5	14.4	11.5	13.1	24.8	16.6	19.9	21.7	17.9	19.5
2	24.4	18.1	21.4	14.8	11.7	12.9	20.6	13.8	16.0	21.8	19.5	20.8
3	24.2	16.0	20.2	13.4	11.4	12.2	18.0	15.2	17.0	21.4	18.4	20.0
4	17.9	15.0	16.2	14.4	11.1	12.6	20.4	15.4	18.1	20.7	18.9	19.9
5	19.7	12.9	17.0	14.4	11.7	13.2	22.7	18.8	20.1	22.6	18.5	20.4
6	14.2	11.6	13.1	14.8	11.9	13.4	24.5	17.0	20.0	23.2	20.3	22.0
7	14.4	11.3	12.6	14.8	12.0	13.5	22.4	18.3	20.1	21.7	18.4	19.9
8	12.9	11.7	12.5	15.3	12.0	13.6	17.9	15.2	16.4	19.4	17.8	19.0
9	13.3	11.3	12.4	15.0	12.0	13.5	22.1	16.3	18.9	23.7	19.0	20.9
10	13.4	11.2	11.9	14.8	12.1	13.5	21.1	18.7	20.0	23.6	18.3	20.1
11	12.6	10.4	11.2	15.6	12.1	13.7	24.0	20.8	22.2	19.6	17.5	19.0
12	13.0	10.5	11.7	15.6	12.4	14.1	20.1	17.5	18.9	19.1	17.6	18.5
13	13.3	11.0	12.1	15.9	12.6	14.1	19.0	17.4	18.1	18.6	17.2	18.2
14	13.5	11.4	12.5	15.8	12.4	14.0	21.6	17.2	19.5	19.2	17.3	18.5
15	13.7	11.4	12.5	15.3	12.4	13.8	20.3	15.6	17.4	20.2	17.7	19.4
16	13.6	11.3	12.4	15.6	13.0	14.4	18.0	14.4	16.2	21.5	18.7	20.2
17	14.0	11.6	12.7	15.7	12.8	14.5	---	---	---	20.2	18.4	19.4
18	14.6	11.7	13.1	16.5	13.7	14.9	---	---	---	18.9	17.0	17.9
19	13.9	11.4	13.0	16.4	13.0	14.7	---	---	---	19.1	16.4	17.6
20	16.2	12.3	13.8	16.4	13.0	14.7	---	---	---	17.5	15.9	16.7
21	13.9	11.4	12.2	19.0	15.1	17.6	---	---	---	17.6	15.2	16.4
22	13.6	11.1	12.2	19.4	18.2	18.9	20.5	17.0	18.0	17.3	16.6	16.9
23	13.6	11.5	12.2	17.7	14.0	15.7	18.3	16.2	17.3	20.6	16.9	18.5
24	13.1	11.0	12.0	20.3	15.1	17.2	19.8	16.9	18.6	19.6	18.8	19.3
25	15.5	12.7	13.5	18.3	14.7	16.3	23.2	18.7	20.9	19.3	16.4	17.9
26	14.4	11.9	13.2	23.1	14.9	18.3	23.4	21.5	22.5	19.4	16.6	17.9
27	13.4	11.8	12.5	22.8	15.3	17.7	22.3	16.1	18.5	19.1	16.2	17.5
28	13.6	11.5	12.7	16.6	14.2	15.2	19.4	17.2	18.0	19.5	16.4	17.8
29	14.2	11.5	13.0	18.1	15.0	16.5	20.4	16.4	18.3	20.3	17.0	18.5
30	14.5	11.7	13.0	20.7	16.0	18.4	20.1	17.4	19.0	20.7	17.5	19.0
31	---	---	---	20.1	15.2	17.6	20.2	17.5	18.5	---	---	---
MONTH	24.4	10.4	13.5	23.1	11.1	15.0	---	---	---	23.7	15.2	18.9

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	9.5	8.5	8.9
4	---	---	---	---	---	---	---	---	---	9.8	8.6	9.2
5	---	---	---	---	---	---	---	---	---	9.6	8.7	9.0
6	---	---	---	---	---	---	---	---	---	10.7	8.9	9.8
7	---	---	---	---	---	---	---	---	---	11.1	10.1	10.6
8	---	---	---	---	---	---	---	---	---	12.4	10.0	10.7
9	---	---	---	---	---	---	---	---	---	10.8	9.6	10.1
10	---	---	---	---	---	---	---	---	---	10.7	9.6	10.1
11	---	---	---	---	---	---	---	---	---	10.6	9.4	10.1
12	---	---	---	---	---	---	---	---	---	11.0	9.3	10.1
13	---	---	---	---	---	---	---	---	---	11.1	9.5	10.2
14	---	---	---	---	---	---	---	---	---	11.7	9.4	10.5
15	---	---	---	---	---	---	---	---	---	11.2	9.8	10.6
16	---	---	---	---	---	---	---	---	---	11.1	9.4	10.1
17	---	---	---	---	---	---	---	---	---	12.0	9.9	10.8
18	---	---	---	---	---	---	---	---	---	11.2	9.4	10.5
19	---	---	---	---	---	---	---	---	---	10.6	9.0	9.8
20	---	---	---	---	---	---	---	---	---	11.1	8.9	10.2
21	---	---	---	---	---	---	---	---	---	12.1	9.6	10.8
22	---	---	---	---	---	---	---	---	---	12.3	9.6	11.0
23	---	---	---	---	---	---	---	---	---	12.5	9.6	11.1
24	---	---	---	---	---	---	---	---	---	11.6	9.8	10.6
25	---	---	---	---	---	---	---	---	---	10.8	9.2	9.7
26	---	---	---	---	---	---	---	---	---	9.8	7.6	8.5
27	---	---	---	---	---	---	---	---	---	10.2	8.1	9.0
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	11.4	9.3	10.4
30	---	---	---	---	---	---	---	---	---	11.4	8.4	10.0
31	---	---	---	---	---	---	---	---	---	12.4	9.0	10.3

07060500 WHITE RIVER AT CALICO ROCK, ARKANSAS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.7	9.1	10.6	9.6	8.5	9.0	9.6	7.6	8.8	9.7	8.2	8.9
2	12.8	9.2	10.7	9.1	8.1	8.8	9.0	7.3	8.1	9.8	8.2	9.0
3	11.2	8.4	10.0	8.8	8.0	8.4	9.3	7.6	8.6	9.6	8.2	9.1
4	12.3	9.9	11.0	9.5	7.9	8.6	9.3	7.6	8.6	9.1	8.0	8.4
5	11.7	9.1	10.4	9.0	7.9	8.5	9.1	8.2	8.7	9.9	7.7	8.7
6	11.9	9.3	10.5	9.1	7.9	8.4	---	---	---	10.0	8.0	9.1
7	11.4	9.5	10.3	8.6	7.7	8.2	9.3	7.3	8.5	9.5	7.9	8.9
8	11.2	9.7	10.4	8.9	7.4	8.1	9.1	7.6	8.5	9.5	7.9	8.9
9	11.5	9.5	10.4	8.8	6.9	8.0	9.5	7.9	8.8	10.1	8.4	9.2
10	10.8	9.4	10.1	8.6	7.6	8.1	9.3	7.8	8.5	9.5	8.0	8.8
11	10.3	9.2	9.8	9.2	7.7	8.2	9.4	7.4	8.4	9.8	7.9	9.1
12	11.1	9.2	10.0	9.5	8.0	8.6	9.6	8.0	8.9	9.7	8.1	9.1
13	10.8	9.3	10.0	9.8	7.7	8.5	9.7	8.8	9.2	9.9	8.2	9.2
14	10.9	9.2	9.9	9.7	8.1	8.9	9.7	8.2	9.2	9.9	8.2	9.2
15	10.3	9.0	9.6	9.7	8.1	8.8	9.6	8.0	8.8	9.8	8.1	9.2
16	10.8	8.5	9.5	10.0	7.3	8.8	9.0	7.6	8.5	9.7	8.2	9.1
17	10.8	8.5	9.7	10.0	8.2	9.1	9.1	7.6	8.5	9.7	8.6	9.1
18	10.8	8.5	9.7	9.9	7.6	8.9	9.4	8.2	8.9	9.3	7.7	8.8
19	10.6	8.4	9.5	9.8	8.1	8.9	9.9	8.4	9.1	10.0	8.5	9.3
20	10.5	9.3	9.9	9.8	8.0	8.8	9.6	8.2	9.0	10.5	9.2	9.8
21	10.1	8.3	9.2	9.9	8.3	9.4	9.6	8.0	9.0	10.4	9.5	9.9
22	9.4	8.2	8.8	9.9	8.1	9.2	9.5	8.2	8.8	9.8	8.9	9.4
23	9.7	7.3	8.9	9.3	7.8	8.5	9.3	8.0	8.7	10.3	8.6	9.3
24	10.0	8.3	8.9	9.0	7.4	8.2	9.8	8.1	9.1	9.5	8.6	9.1
25	9.7	7.9	9.1	8.6	7.1	8.0	10.0	8.2	9.1	10.2	8.7	9.4
26	9.9	8.6	9.4	9.4	7.5	8.5	9.2	7.9	8.5	10.2	9.0	9.5
27	10.5	8.4	9.1	9.1	7.5	8.2	9.1	7.5	8.2	10.2	9.1	9.6
28	9.8	8.5	9.1	9.1	7.6	8.3	9.3	8.1	8.7	10.1	9.1	9.6
29	9.7	8.7	9.2	9.4	7.8	8.6	9.8	8.1	9.0	10.1	9.0	9.5
30	9.7	8.5	9.1	9.9	7.8	8.9	9.6	8.1	8.9	10.1	9.0	9.5
31	---	---	---	9.9	7.8	8.8	9.5	8.2	8.9	---	---	---
MONTH	12.8	7.3	9.8	10.0	6.9	8.6	---	---	---	10.5	7.7	9.2

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

LOCATION.--Lat 35°59'30", long 92°12'50", in ¼NW¼ sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, on right bank 30 ft upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft above National Geodetic Vertical datum of 1929.

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

AVERAGE DISCHARGE.--25 years, 46.9 ft^3/s, 10.96 in/yr, 33,980 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft^3/s Dec. 3, 1982, gage height, 20.60 ft, from rating curve extended above 3,700 ft^3/s on basis of step-backwater computations; minimum, 1.6 ft^3/s Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 13	2230	3,860	9.22	Apr. 29	0100	*6,890	*11.77

Minimum discharge, 2.6 ft^3/s Aug. 15, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	5.1	16	92	13	15	26	137	22	6.1	5.9	7.2
2	7.4	5.2	14	63	12	19	23	94	19	5.9	4.9	9.5
3	6.4	5.5	43	43	12	17	348	73	17	6.3	4.2	8.5
4	6.6	6.7	43	31	12	15	527	57	16	7.7	3.8	21
5	5.6	9.0	26	27	14	15	187	47	32	6.8	3.3	25
6	5.0	8.3	18	114	20	15	131	37	49	6.6	3.2	12
7	13	6.9	14	222	22	14	102	30	24	6.6	3.3	6.9
8	39	6.3	12	129	19	13	87	26	16	6.8	3.2	6.0
9	85	7.2	11	88	17	12	71	23	12	6.8	3.2	5.1
10	72	7.8	10	102	16	11	57	23	11	6.7	3.2	4.5
11	38	7.3	9.2	224	15	12	46	21	11	6.3	3.0	4.1
12	19	6.7	9.0	170	14	13	98	18	30	6.3	2.9	3.7
13	13	6.4	8.5	109	17	13	940	16	14	6.3	2.9	3.7
14	11	6.2	8.0	80	17	12	922	15	11	6.5	3.0	3.6
15	9.0	6.1	7.8	67	15	12	248	15	10	6.3	2.9	3.2
16	8.0	6.0	7.8	95	14	12	157	113	33	6.1	2.8	3.2
17	7.6	6.0	11	80	14	14	109	67	29	5.8	3.6	3.2
18	7.8	6.0	96	62	15	17	151	37	17	5.8	4.7	4.4
19	7.4	6.2	103	52	14	15	156	31	12	5.7	3.7	6.0
20	6.7	6.1	64	44	13	12	105	49	9.8	6.0	3.2	4.7
21	6.4	6.2	118	34	12	13	83	175	9.7	5.8	2.9	4.0
22	6.4	12	134	28	12	548	73	111	9.6	5.7	3.1	3.7
23	5.7	13	81	26	12	278	61	76	8.5	5.7	3.1	4.1
24	5.3	10	48	23	11	145	49	54	7.8	7.7	3.0	4.2
25	5.2	8.7	30	20	11	94	42	369	7.4	8.3	2.9	4.1
26	5.1	9.0	24	19	11	72	38	200	6.9	8.6	6.2	3.7
27	5.1	20	24	18	11	60	91	108	6.2	7.6	6.5	3.5
28	5.0	75	26	17	11	48	202	70	6.2	8.2	4.7	3.3
29	5.0	41	203	17	---	40	1630	47	6.1	8.1	4.1	3.2
30	5.0	22	295	15	---	33	233	35	6.1	6.8	3.9	3.2
31	5.2	---	147	14	---	26	---	28	---	6.3	5.3	---
TOTAL	436.4	347.9	1661.3	2125	396	1635	6993	2202	469.3	206.2	116.6	182.5
MEAN	14.1	11.6	53.6	68.5	14.1	52.7	233	71.0	15.6	6.65	3.76	6.08
MAX	85	75	295	224	22	548	1630	369	49	8.6	6.5	25
MIN	5.0	5.1	7.8	14	11	11	23	15	6.1	5.7	2.8	3.2
AC-FT	866	690	3300	4210	785	3240	13870	4370	931	409	231	362
CFSM	.24	.20	.92	1.18	.24	.91	4.01	1.22	.27	.11	.06	.10
IN.	.28	.22	1.06	1.36	.25	1.05	4.48	1.41	.30	.13	.07	.12

CAL YR 1990 TOTAL 21536.6 MEAN 59.0 MAX 3340 MIN 3.1 AC-FT 42720 CFSM 1.02 IN. 13.79
WTR YR 1991 TOTAL 16771.2 MEAN 45.9 MAX 1630 MIN 2.8 AC-FT 33270 CFSM .79 IN. 10.74

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)
OCT										
26...	0935	80513	80020	272	8.3	7.5	9.6	80	6.3	0.50
DEC										
11...	1100	80513	80020	282	7.8	6.5	12.2	100	9.8	0.30
FEB										
13...	1030	80513	80020	232	8.2	10.0	11.2	103	12	0.40

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
OCT										
26...	0935	34	72	150	5	48	6.3	1.7	2	0.1
DEC										
11...	1100	1400	K32	150	10	50	6.5	1.4	2	0.0
FEB										
13...	1030	8	42	140	13	47	5.6	1.4	2	0.0

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT										
26...	0935	0.80	140	0	172	141	5.2	3.7	<0.10	6.6
DEC										
11...	1100	0.70	139	0	173	142	5.4	2.9	0.30	6.7
FEB										
13...	1030	0.70	126	0	156	128	5.6	3.0	<0.10	5.9

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT										
26...	0935	153	157	2.60	0.21	<0.010	<0.010	<0.100	<0.100	<0.010
DEC										
11...	1100	158	159	4.18	0.21	<0.010	<0.010	<0.100	<0.100	0.020
FEB										
13...	1030	141	146	4.57	0.19	<0.010	<0.010	0.100	0.100	0.020

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
OCT										
26...	0935	0.020	<0.20	<0.010	<0.010	0.010	<0.010	--	--	--
DEC										
11...	1100	0.020	<0.20	<0.010	<0.010	<0.010	<0.010	<10	<1	23
FEB										
13...	1030	0.020	<0.20	<0.010	<0.010	0.020	<0.010	<10	<1	19

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
DEC										
11...	1100	<0.5	<1.0	1	<3	1	4	<1	<4	1
FEB										
13...	1030	<0.5	<1.0	<1	<3	2	<3	<1	4	<1

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
DEC										
11...	1100	<0.1	<10	1	<1	<1.0	39	<6	<3	--
FEB										
13...	1030	<0.1	<10	<1	<1	<1.0	34	<6	9	0.7

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
26...	0935	--	--	--	--	--	--	5	0.08	100
DEC										
11...	1100	--	--	--	--	--	--	3	0.08	100
FEB										
13...	1030	<0.6	0.8	<0.6	0.6	<0.6	0.04	1	0.03	100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
APR											
10...	0900	80513	80513	2.00	0.25	0.50	215	8.3	12.0	11.1	104
10...	0902	80513	80513	6.00	0.25	0.50	215	8.3	12.0	11.0	102
10...	0904	80513	80513	10.0	0.25	0.50	215	8.3	12.0	10.7	99
10...	0906	80513	80513	14.0	0.25	0.50	215	8.3	12.0	10.6	99
10...	0908	80513	80513	18.0	0.25	0.50	214	8.3	12.0	10.5	98
10...	0910	80513	80513	22.0	0.25	0.50	214	8.3	12.0	10.5	98
10...	0912	80513	80513	26.0	0.25	0.50	213	8.3	12.0	10.5	97
10...	0914	80513	80513	30.0	0.25	0.50	212	8.3	12.0	10.5	97
10...	0916	80513	80513	34.0	1.00	2.00	212	8.3	12.0	10.4	97
10...	0918	80513	80513	38.0	1.00	2.00	212	8.3	12.0	10.4	97
10...	0930	80513	80020	--	--	--	212	8.2	12.0	11.0	103
JUN											
24...	1530	80513	80020	--	--	--	260	8.1	23.5	8.0	96
SEP											
05...	1445	80513	80020	--	--	--	255	8.3	23.0	8.4	100

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
APR											
10...	0930	59	1.0	10	49	120	6	41	5.1	1.2	2
JUN											
24...	1530	13	0.30	20	27	140	17	49	5.3	1.2	2
SEP											
05...	1445	36	1.0	24	61	150	10	50	5.9	1.8	3

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
APR											
10...	0930	0.0	0.70	115	0	143	117	5.0	2.5	<0.10	7.2
JUN											
24...	1530	0.0	0.70	122	0	155	127	4.3	0.70	<0.10	8.5
SEP											
05...	1445	0.1	0.80	136	0	170	139	4.7	0.90	<0.10	8.3

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
APR										
10...	0930	156	133	24.9	0.21	<0.010	<0.010	0.051	0.079	<0.010
JUN										
24...	1530	148	146	5.19	0.20	<0.010	<0.010	0.058	0.056	<0.010
SEP										
05...	1445	150	157	14.6	0.20	<0.010	<0.010	0.074	0.060	<0.010

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
APR										
10...	0930	<0.010	0.20	<0.010	0.010	<0.010	<0.010	--	--	--
JUN										
24...	1530	<0.010	<0.20	<0.010	0.020	<0.010	<0.010	<10	<1	25
SEP										
05...	1445	<0.010	0.20	<0.010	<0.010	<0.010	<0.010	<10	<1	30

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN										
24...	1530	<0.5	<1.0	<1	<3	1	6	<1	4	5
SEP										
05...	1445	<0.5	1.0	<1	<3	<1	250	<1	4	11

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
JUN										
24...	1530	<0.1	<10	2	<1	<1.0	38	<6	18	<0.6
SEP										
05...	1445	<0.1	<10	<1	<1	<1.0	43	<6	440	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR										
10...	0930	--	--	--	--	--	--	1	0.16	75
JUN										
24...	1530	<0.6	1.4	<0.6	1.1	<0.6	0.06	3	0.11	44
SEP										
05...	1445	--	--	--	--	--	--	1	0.10	100

07060839 WHITE RIVER ABOVE LOCK AND DAM 3 NEAR ST. JAMES, ARKANSAS

LOCATION.--Lat 35°50'38", long 91°51'05", in NW¼ sec.16, T.14 N., R.8 W., Stone County, Hydrologic Unit 11010004, 200 ft above Dam No. 3 on White River near St. James.

PERIOD OF RECORD.--January 1989 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
14...	1450	80513	80513	0.0	175	755	23.0	8.7
14...	1451	80513	80513	2.00	175	755	22.0	9.0
14...	1452	80513	80513	5.00	175	755	21.5	9.0
14...	1453	80513	80513	8.00	175	755	21.5	9.0
14...	1454	80513	80513	10.0	175	755	21.5	9.0
15...	0330	80513	80513	0.0	175	755	21.0	9.1
15...	0331	80513	80513	2.00	175	755	21.0	9.1
15...	0332	80513	80513	5.00	175	755	21.0	9.1
15...	0333	80513	80513	8.00	175	755	21.0	9.1
15...	0334	80513	80513	10.0	175	755	21.0	9.0
26...	1500	80513	80513	0.0	175	757	22.0	8.6
26...	1501	80513	80513	2.00	175	757	21.0	8.9
26...	1502	80513	80513	5.00	175	757	21.0	8.8
26...	1503	80513	80513	8.00	175	757	21.0	8.6
26...	1504	80513	80513	10.0	175	757	20.5	8.5
27...	0445	80513	80513	0.0	175	758	21.5	8.8
27...	0446	80513	80513	2.00	175	758	21.5	8.8
27...	0447	80513	80513	5.00	175	758	21.5	8.8
27...	0448	80513	80513	8.00	175	758	21.5	8.8
27...	0449	80513	80513	10.0	175	758	21.5	8.8

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP								
10...	1510	80513	80513	0.0	175	758	24.5	8.9
10...	1511	80513	80513	2.00	175	758	23.5	9.0
10...	1512	80513	80513	5.00	175	758	23.0	9.1
10...	1513	80513	80513	8.00	175	758	23.0	9.1
10...	1514	80513	80513	11.0	175	758	23.0	9.1
11...	0415	80513	80513	0.0	175	758	22.5	7.8
11...	0416	80513	80513	2.00	175	758	22.5	7.8
11...	0417	80513	80513	5.00	175	758	22.5	7.9
11...	0418	80513	80513	8.00	175	758	22.5	7.6
11...	0419	80513	80513	11.0	175	758	22.5	7.7
23...	1515	80513	80513	0.0	175	762	20.0	9.3
23...	1516	80513	80513	2.00	175	762	18.5	9.3
23...	1517	80513	80513	5.00	175	762	18.0	9.5
23...	1518	80513	80513	8.00	175	762	18.0	9.5
23...	1519	80513	80513	10.0	175	762	18.0	9.5
24...	0440	80513	80513	0.0	175	757	18.0	9.6
24...	0441	80513	80513	2.00	175	757	18.0	9.5
24...	0442	80513	80513	5.00	175	757	18.0	9.5
24...	0443	80513	80513	8.00	175	757	18.0	9.4
24...	0444	80513	80513	10.0	175	757	18.0	9.4

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP								
30...	1445	80513	80513	0.0	175	761	20.5	9.3
30...	1446	80513	80513	2.00	175	761	20.5	9.3
30...	1447	80513	80513	5.00	175	761	19.5	9.3
30...	1448	80513	80513	8.00	175	761	19.5	9.3
30...	1449	80513	80513	10.0	175	761	19.5	9.3

07060839 WHITE RIVER ABOVE LOCK AND DAM 3 NEAR ST. JAMES, ARKANSAS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	23.2	22.4	22.7	---	---	---
2	---	---	---	---	---	---	24.0	19.4	22.7	---	---	---
3	---	---	---	---	---	---	19.6	17.5	18.3	---	---	---
4	---	---	---	---	---	---	21.2	19.5	20.4	---	---	---
5	---	---	---	---	---	---	23.4	21.2	21.9	22.0	21.4	21.7
6	---	---	---	---	---	---	25.6	22.6	24.0	22.7	21.6	22.2
7	---	---	---	---	---	---	27.0	24.8	25.3	24.2	22.6	23.4
8	---	---	---	---	---	---	25.2	21.0	23.9	23.9	21.7	22.5
9	---	---	---	---	---	---	20.7	19.3	19.7	23.1	20.8	21.6
10	---	---	---	---	---	---	22.5	19.7	21.2	24.1	21.7	22.7
11	---	---	---	---	---	---	26.1	21.4	23.3	23.9	21.1	22.0
12	---	---	---	---	---	---	24.3	22.6	23.7	21.6	20.8	21.2
13	---	---	---	---	---	---	24.4	21.5	23.1	21.2	20.3	20.5
14	---	---	---	---	---	---	23.1	20.8	21.9	20.6	19.9	20.2
15	---	---	---	---	---	---	23.4	21.1	22.3	21.0	20.0	20.5
16	---	---	---	---	---	---	22.1	19.7	20.4	21.4	20.7	21.0
17	---	---	---	---	---	---	19.7	17.4	18.0	21.7	21.3	21.5
18	---	---	---	---	---	---	19.2	16.7	17.5	21.5	19.9	21.0
19	---	---	---	---	---	---	20.0	19.2	19.5	19.9	18.9	19.4
20	---	---	---	---	---	---	24.1	18.2	21.1	18.8	17.7	18.3
21	---	---	---	---	---	---	22.9	21.2	22.2	18.5	17.0	17.7
22	---	---	---	---	---	---	22.5	19.8	22.1	17.6	17.1	17.4
23	---	---	---	---	---	---	21.6	19.2	19.8	19.5	17.4	18.3
24	---	---	---	---	---	---	19.3	17.9	18.5	18.7	18.2	18.4
25	---	---	---	---	---	---	20.9	19.2	19.8	19.5	18.6	19.0
26	---	---	---	---	---	---	23.8	20.4	21.5	19.3	18.5	19.0
27	---	---	---	---	---	---	23.9	21.0	22.4	19.8	18.2	18.8
28	---	---	---	---	---	---	21.2	18.4	19.0	20.3	17.9	18.6
29	---	---	---	---	---	---	19.9	19.1	19.6	20.1	18.2	19.0
30	---	---	---	---	---	---	---	---	---	20.8	19.0	19.8
31	---	---	---	22.9	21.7	22.2	---	---	---	---	---	---

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	9.5	8.8	9.1	8.7	8.0	8.3
2	---	---	---	---	---	---	9.3	8.1	8.6	9.1	8.2	8.7
3	---	---	---	---	---	---	9.1	8.0	8.4	8.7	8.4	8.6
4	---	---	---	---	---	---	9.0	8.4	8.6	10.0	7.4	8.3
5	---	---	---	---	---	---	8.8	8.1	8.6	8.2	7.4	7.9
6	---	---	---	---	---	---	8.6	7.7	8.2	8.0	7.6	7.9
7	---	---	---	---	---	---	8.2	7.5	7.8	8.6	7.7	8.4
8	---	---	---	---	---	---	8.3	7.3	7.6	8.8	8.3	8.5
9	---	---	---	---	---	---	7.9	7.5	7.7	8.9	8.5	8.7
10	---	---	---	---	---	---	8.4	7.4	8.0	9.3	8.5	8.9
11	---	---	---	---	---	---	8.6	7.3	7.9	9.0	8.1	8.4
12	---	---	---	---	---	---	8.8	8.0	8.2	9.2	8.8	9.0
13	---	---	---	---	---	---	8.1	7.7	7.9	9.4	8.8	9.0
14	---	---	---	---	---	---	8.4	7.7	8.1	9.4	9.0	9.2
15	---	---	---	---	---	---	8.6	8.1	8.3	9.4	8.9	9.0
16	---	---	---	---	---	---	8.3	7.6	7.9	9.3	8.8	9.0
17	---	---	---	---	---	---	8.0	7.4	7.7	9.2	8.4	8.9
18	---	---	---	---	---	---	8.5	7.6	7.9	8.7	8.3	8.5
19	---	---	---	---	---	---	8.4	7.7	7.9	9.4	8.2	8.5
20	---	---	---	---	---	---	9.1	6.7	8.2	9.1	8.4	8.7
21	---	---	---	---	---	---	8.3	7.7	8.0	9.3	9.1	9.1
22	---	---	---	---	---	---	8.8	7.4	8.1	9.4	9.2	9.3
23	---	---	---	---	---	---	8.9	8.4	8.6	9.3	8.8	9.1
24	---	---	---	---	---	---	9.3	8.4	8.6	9.0	8.9	8.9
25	---	---	---	---	---	---	9.3	8.5	8.9	8.9	8.6	8.8
26	---	---	---	---	---	---	9.0	8.3	8.6	9.0	8.6	8.8
27	---	---	---	---	---	---	8.9	7.7	8.3	9.1	8.8	8.9
28	---	---	---	---	---	---	8.6	7.6	7.9	9.3	8.9	9.1
29	---	---	---	---	---	---	8.9	8.3	8.5	9.2	8.9	9.1
30	---	---	---	---	---	---	8.9	8.4	8.6	9.1	8.8	9.0
31	---	---	---	13.0	8.8	10.7	8.8	8.1	8.5	---	---	---
MONTH	---	---	---	---	---	---	9.5	6.7	8.2	10.0	7.4	8.7

07060892 SULLIVAN CREEK AT SANDTOWN, ARKANSAS

LOCATION.--Lat 35°54'14", long 91°38'05", in SW¼NE¼ sec.33, T.15 N., R.6 W., Independence County, Hydrologic Unit 11010004, at left bank on downstream side of bridge on county road at Sandtown, 0.4 mi downstream from Dry Creek.

DRAINAGE AREA.--27.2 mi².

PERIOD OF RECORD.--November 1990 to September 1991 (discontinued).

GAGE.--Water-stage recorder.

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

EXTREMES FOR CURRENT PERIOD.--November 1990 to September 1991: Peak discharge greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Mar. 22	0930	*a928	*9.07				

a from rating curve extended above 90 ft³/s.

Minimum daily discharge, 4.7 ft³/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	28	30	17	22	40	e120	34	14	8.5	11
2	---	---	26	28	17	23	39	e80	32	13	8.3	12
3	---	---	35	24	17	22	61	51	36	15	8.1	27
4	---	---	31	23	16	16	e70	51	33	14	8.1	12
5	---	---	25	21	16	17	e65	50	31	13	8.0	10
6	---	---	e25	121	16	22	e55	45	30	13	7.6	9.4
7	---	---	e20	71	16	20	e45	43	28	13	8.4	9.2
8	---	---	e20	47	16	22	e60	42	25	12	8.5	8.9
9	---	---	e15	38	16	21	e58	42	25	12	8.2	8.4
10	---	---	e15	66	15	21	55	45	25	12	7.8	8.9
11	---	---	e15	77	15	21	53	42	20	11	7.5	8.7
12	---	---	e12	40	14	22	59	41	22	12	7.4	8.8
13	---	---	13	43	18	20	177	41	39	13	7.4	8.2
14	---	---	16	38	16	20	128	39	38	19	13	8.2
15	---	---	18	44	18	21	74	39	48	17	8.5	8.5
16	---	---	20	38	18	21	62	40	52	9.6	9.4	7.6
17	---	---	20	35	19	22	e70	38	40	9.6	13	7.4
18	---	---	60	33	16	20	143	37	32	9.7	10	8.5
19	---	---	43	30	15	20	84	49	26	9.6	9.7	7.8
20	---	---	36	28	16	20	67	50	25	9.8	9.6	7.3
21	---	---	91	25	16	20	e65	51	31	9.4	9.8	6.8
22	---	19	52	26	15	98	e60	44	29	9.1	9.8	6.8
23	---	15	30	26	15	71	e55	42	27	9.0	9.7	6.8
24	---	15	25	23	15	59	e50	42	24	9.8	9.4	7.1
25	---	15	21	23	14	53	e45	45	28	11	9.3	5.6
26	---	14	18	22	14	50	40	41	21	9.4	12	5.1
27	---	25	19	22	14	50	158	39	19	12	11	4.8
28	---	41	18	19	14	47	83	39	17	10	11	5.1
29	---	29	67	19	---	45	148	39	15	9.5	11	4.8
30	---	28	95	17	---	45	e160	36	15	9.7	14	4.7
31	---	---	e70	18	---	42	---	35	---	8.6	12	---
TOTAL	---	---	999	1115	444	993	2329	1438	867	358.8	296.0	255.4
MEAN	---	---	32.2	36.0	15.9	32.0	77.6	46.4	28.9	11.6	9.55	8.51
MAX	---	---	95	121	19	98	177	120	52	19	14	27
MIN	---	---	12	17	14	16	39	35	15	8.6	7.4	4.7
AC-FT	---	---	1980	2210	881	1970	4620	2850	1720	712	587	507
CFSM	---	---	1.18	1.32	.58	1.18	2.85	1.71	1.06	.43	.35	.31
IN.	---	---	1.37	1.52	.61	1.36	3.19	1.97	1.19	.49	.40	.35

e Estimated

07061000 WHITE RIVER AT BATESVILLE, ARKANSAS

LOCATION.--Lat 35°45'35", long 91°38'28", in NE¼NW¼ 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.

WATER-DISCHARGE RECORDS

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

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

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

AVERAGE DISCHARGE.--26 years (water years 1937-58, 1986-91), 12,530 ft³/s, 9,078,000 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 72,500 ft³/s Apr. 14, gage height, 15.49 ft; minimum, 1,630 ft³/s Sept. 23, gage height, 6.46 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11800	7270	12600	22700	34600	11000	10000	24600	9790	19400	4770	4050
2	10000	7020	10700	16300	36300	8160	14900	18300	8330	18900	8450	3230
3	17000	6960	7400	15400	37300	7150	16300	16800	4920	21400	10600	4870
4	15600	5060	11000	14700	37400	6700	20400	14800	9410	22800	7640	4490
5	11800	3200	21200	13200	37600	9960	22300	17700	8550	21900	6000	5530
6	9490	2720	16300	19300	31300	7490	18300	14800	10000	20800	3990	3560
7	11600	5670	13100	19200	27200	5390	14200	14200	15300	21500	3780	4690
8	11100	6610	9690	21100	25100	9240	13200	14100	15600	21100	7550	6150
9	17700	7270	6480	19000	24900	12500	12200	12400	16000	21100	8360	5770
10	16900	6420	4270	17600	21700	7890	15100	11800	15300	23100	4260	4110
11	14400	6120	4200	25500	13800	8050	13400	14200	18700	21100	2710	7720
12	11700	2960	4350	24500	13700	6830	14300	14900	18900	20300	3410	7170
13	11100	2220	4200	22700	19800	5990	36400	14800	16900	20900	5220	8140
14	7160	4100	5260	17100	18900	15400	64000	16700	16900	18700	3200	7990
15	3860	7930	8080	14100	19200	17800	49600	11800	17500	18600	4190	7270
16	8330	8250	6250	16300	26800	9270	34100	13900	18500	16100	8370	6100
17	15100	8630	4960	16100	20200	5210	26900	12000	16200	14600	10900	4930
18	14700	8430	12800	17000	9800	3680	27300	11700	13800	13000	9080	4080
19	11900	7380	14600	18400	14900	3580	26100	11700	12800	13700	6900	2560
20	10100	4320	13400	18900	19000	4850	29100	11500	11300	15600	2800	2170
21	5430	4370	18600	16700	16300	3660	18400	15600	14000	10900	3540	2080
22	5390	7120	27500	21700	9360	11900	14700	12200	19200	6900	5200	2210
23	12700	8230	19300	23900	18300	14800	15400	12200	20600	10100	9300	1930
24	12100	4650	12500	26500	12400	18500	12900	12800	19000	10300	9190	1810
25	7040	2640	12600	25900	8990	14100	13700	15300	14400	7490	6240	1870
26	5160	2210	12000	30200	14100	14200	11700	18400	17500	4690	2730	2400
27	5960	3290	16000	31100	12600	24000	19400	18400	14000	3760	4190	2420
28	4900	10700	17500	32000	11800	23200	18100	18400	18400	7640	8610	2560
29	6580	11900	17100	32600	---	24200	34100	18400	18700	6270	7240	2550
30	5380	13500	35500	33100	---	15100	36800	14600	19000	5040	4560	2530
31	5670	---	32100	33900	---	14400	---	10100	---	6880	5940	---
TOTAL	317650	187150	411540	676700	593350	344200	673300	459100	449500	464570	188920	126940
MEAN	10250	6238	13280	21830	21190	11100	22440	14810	14980	14990	6094	4231
MAX	17700	13500	35500	33900	37600	24200	64000	24600	20600	23100	10900	8140
MIN	3860	2210	4200	13200	8990	3580	10000	10100	4920	3760	2710	1810
AC-FT	630100	371200	816300	1342000	1177000	682700	1335000	910600	891600	921500	374700	251800

CAL YR 1990 TOTAL 6532252 MEAN 17900 MAX 118000 MIN 841 AC-FT 12960000
WTR YR 1991 TOTAL 4892920 MEAN 13410 MAX 64000 MIN 1810 AC-FT 9705000

07061000 WHITE RIVER AT BATESVILLE, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
15...	1615	80513	80513	0.0	200	758	26.5	9.1
15...	1616	80513	80513	3.00	200	758	25.5	9.2
15...	1617	80513	80513	6.00	200	758	25.0	9.2
15...	1618	80513	80513	9.00	200	758	25.0	9.1
15...	1619	80513	80513	12.0	200	758	25.0	9.1
16...	0430	80513	80513	0.0	200	759	22.5	9.0
16...	0431	80513	80513	3.00	200	759	22.5	9.0
16...	0432	80513	80513	6.00	200	759	22.5	8.9
16...	0433	80513	80513	9.00	200	759	22.5	8.8
16...	0434	80513	80513	12.0	200	759	22.5	8.8
27...	1600	80513	80513	0.0	200	759	23.5	9.2
27...	1601	80513	80513	3.00	200	759	23.5	9.1
27...	1602	80513	80513	7.00	200	759	22.0	9.1
27...	1603	80513	80513	10.0	200	759	22.0	9.1
27...	1604	80513	80513	13.0	200	759	22.0	9.0
27...	1605	80513	80513	15.0	200	759	22.0	9.0
28...	0530	80513	80513	0.0	200	760	23.0	9.0
28...	0531	80513	80513	3.00	200	760	23.0	8.8
28...	0532	80513	80513	7.00	200	760	23.0	8.8
28...	0533	80513	80513	10.0	200	760	23.0	8.7
28...	0534	80513	80513	13.0	200	760	23.0	8.7
28...	0535	80513	80513	15.0	200	760	23.0	8.7

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP								
11...	1515	80513	80513	0.0	200	759	25.5	8.3
11...	1516	80513	80513	3.00	200	759	25.0	8.0
11...	1517	80513	80513	8.00	200	759	25.0	7.8
11...	1518	80513	80513	12.0	200	759	25.0	7.6
11...	1519	80513	80513	16.0	200	759	24.5	7.9
12...	0500	80513	80513	0.0	200	758	23.5	7.7
12...	0501	80513	80513	3.00	200	758	23.5	7.6
12...	0502	80513	80513	8.00	200	758	23.5	7.5
12...	0503	80513	80513	12.0	200	758	23.5	7.3
12...	0504	80513	80513	16.0	200	758	23.5	7.8
24...	1530	80513	80513	0.0	200	756	19.5	10.0
24...	1531	80513	80513	3.00	200	756	19.5	10.0
24...	1532	80513	80513	7.00	200	756	19.5	9.9
24...	1533	80513	80513	12.0	200	756	19.0	9.8
24...	1534	80513	80513	15.0	200	756	19.0	9.6
25...	0600	80513	80513	0.0	200	756	18.0	9.5
25...	0601	80513	80513	3.00	200	756	18.0	9.5
25...	0602	80513	80513	7.00	200	756	18.0	9.5
25...	0603	80513	80513	12.0	200	756	18.0	9.4
25...	0604	80513	80513	15.0	200	756	18.0	9.4

07061001 WHITE RIVER AT LOCK AND DAM 1 AT BATESVILLE, ARKANSAS

LOCATION.--Lat 35°45'12", long 91°37'54", in NW¼SW¼ sec.22, T.13 N., R.6 W., Independence County, Hydrologic Unit 11010004, 2000 ft below Dam No. 1 on White River at Batesville.

PERIOD OF RECORD.--May 1990 to current year.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	24.5	22.9	23.5	22.1	20.9	21.4
2	---	---	---	---	---	---	25.3	24.2	24.5	22.3	22.0	22.1
3	---	---	---	---	---	---	24.2	20.5	22.3	22.1	21.8	22.0
4	---	---	---	---	---	---	21.5	19.2	20.1	23.2	22.1	22.4
5	---	---	---	---	---	---	23.1	21.3	22.2	23.5	22.6	23.1
6	---	---	---	---	---	---	24.7	22.9	23.5	23.4	22.8	23.1
7	---	---	---	---	---	---	25.5	24.8	25.1	23.8	22.9	23.3
8	---	---	---	---	---	---	26.6	25.6	26.1	---	---	---
9	---	---	---	---	---	---	26.1	23.4	24.5	24.6	23.7	24.0
10	---	---	---	---	---	---	---	---	---	24.1	23.2	23.6
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	23.8	21.7	22.6	---	---	---
13	---	---	---	---	---	---	24.3	23.7	23.9	22.3	21.8	22.0
14	---	---	---	---	---	---	24.9	23.6	24.2	21.9	21.2	21.4
15	---	---	---	---	---	---	24.9	24.0	24.5	21.7	21.0	21.3
16	---	---	---	---	---	---	24.1	22.7	23.5	22.0	21.0	21.6
17	---	---	---	---	---	---	---	---	---	22.0	21.4	21.7
18	---	---	---	---	---	---	19.9	18.1	18.9	21.9	21.1	21.5
19	---	---	---	---	---	---	20.3	18.7	19.3	21.0	20.1	20.6
20	---	---	---	---	---	---	22.0	20.4	21.0	20.0	19.3	19.7
21	---	---	---	---	---	---	21.7	21.1	21.4	19.2	18.7	19.0
22	---	---	---	---	---	---	24.0	21.1	21.9	19.2	18.4	18.8
23	---	---	---	---	---	---	24.0	22.1	23.3	19.3	18.6	18.9
24	---	---	---	---	---	---	21.8	19.7	20.6	19.1	18.7	18.9
25	---	---	---	---	---	---	20.9	19.8	20.2	19.3	18.0	18.6
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	22.4	21.0	21.6	18.8	18.0	18.4
28	---	---	---	---	---	---	23.1	22.1	22.7	19.4	18.5	18.9
29	---	---	---	---	---	---	22.0	19.7	20.3	20.1	18.9	19.4
30	---	---	---	---	---	---	21.1	19.9	20.5	20.2	19.3	19.7
31	---	---	---	---	---	---	21.0	20.2	20.5	---	---	---

07061001 WHITE RIVER AT LOCK AND DAM 1 AT BATESVILLE, ARKANSAS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	8.8	8.4	8.6	8.5	8.2	8.4
2	---	---	---	---	---	---	9.0	8.4	8.7	8.5	8.2	8.3
3	---	---	---	---	---	---	9.2	8.4	8.7	8.7	8.3	8.5
4	---	---	---	---	---	---	9.3	9.0	9.2	8.6	8.3	8.4
5	---	---	---	---	---	---	9.0	8.6	8.8	8.7	8.3	8.4
6	---	---	---	---	---	---	8.9	8.5	8.7	8.4	8.0	8.2
7	---	---	---	---	---	---	8.8	8.5	8.6	8.5	8.2	8.4
8	---	---	---	---	---	---	9.0	8.2	8.6	---	---	---
9	---	---	---	---	---	---	9.1	8.7	8.9	8.5	8.1	8.3
10	---	---	---	---	---	---	---	---	---	8.8	8.2	8.4
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	9.2	8.1	8.8	---	---	---
13	---	---	---	---	---	---	9.0	8.7	8.9	8.9	8.6	8.7
14	---	---	---	---	---	---	8.8	8.4	8.6	9.1	8.6	8.9
15	---	---	---	---	---	---	9.5	8.4	8.9	9.0	8.7	8.8
16	---	---	---	---	---	---	9.4	8.9	9.2	9.0	8.6	8.8
17	---	---	---	---	---	---	---	---	---	8.8	8.5	8.7
18	---	---	---	---	---	---	9.9	9.6	9.8	8.7	8.3	8.5
19	---	---	---	---	---	---	9.9	9.6	9.8	9.0	8.3	8.6
20	---	---	---	---	---	---	9.7	9.1	9.4	9.6	8.5	9.0
21	---	---	---	---	---	---	9.7	9.0	9.4	9.9	8.9	9.3
22	---	---	---	---	---	---	9.7	8.7	9.2	9.8	8.9	9.4
23	---	---	---	---	---	---	8.9	8.4	8.7	10.0	9.1	9.5
24	---	---	---	---	---	---	9.1	8.7	9.0	9.5	9.1	9.3
25	---	---	---	---	---	---	9.1	8.8	8.9	9.8	9.0	9.4
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	9.0	8.1	8.5	10.1	9.4	9.7
28	---	---	---	---	---	---	8.7	8.3	8.5	10.1	9.6	9.8
29	---	---	---	---	---	---	9.1	8.6	8.8	10.1	9.5	9.8
30	---	---	---	---	---	---	8.9	8.6	8.7	10.1	9.5	9.8
31	---	---	---	---	---	---	8.8	8.5	8.6	---	---	---

07061105 WHITE RIVER AT OIL TROUGH, ARKANSAS

LOCATION.--Lat 35°38′36", long 92°27′42", in NW¼NE¼ sec.30, T.12 N., R.4 W., Independence County, Hydrologic Unit 11010004, at Oil Trough Ferry on State Highway 122, and 0.8 mi north of Oil Trough.

DRAINAGE AREA.--11,234 mi².

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

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
09...	1235	9827	9827	8.0	17.0	8.7	1.5	140
NOV								
06...	1145	9827	9827	8.0	15.0	10.6	2.4	140
DEC								
04...	1145	9827	9827	8.2	10.0	10.9	0.9	130
FEB								
05...	1030	9827	9827	8.2	8.0	11.6	0.6	140
MAR								
26...	1030	9827	9827	8.1	16.0	9.6	2.7	130
APR								
02...	1130	9827	9827	8.1	14.0	10.2	0.7	140
30...	1145	9827	9827	8.0	18.0	9.0	7.6	100
JUN								
11...	1100	9827	9827	8.3	17.0	9.7	1.3	140
JUL								
09...	1200	9827	9827	8.3	19.0	9.5	1.2	140
AUG								
13...	1045	9827	9827	8.5	24.0	9.0	2.0	150
SEP								
03...	1030	9827	9827	8.2	24.0	8.6	1.6	150

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09...	1235	8.0	4.2	147	40	0.240	--	0.100
NOV								
06...	1145	8.0	4.5	155	4	0.180	0.050	0.070
DEC								
04...	1145	8.0	4.1	161	23	0.270	<0.050	--
FEB								
05...	1030	6.0	3.8	148	21	0.290	<0.050	0.040
MAR								
26...	1030	8.0	3.4	143	47	0.220	0.080	0.100
APR								
02...	1130	5.0	4.1	145	36	0.110	<0.050	0.060
30...	1145	5.0	3.3	130	52	0.070	<0.050	0.070
JUN								
11...	1100	5.0	4.0	156	8	0.180	<0.050	<0.030
JUL								
09...	1200	5.0	4.6	160	10	0.240	<0.050	<0.030
AUG								
13...	1045	6.0	4.9	170	6	0.270	<0.050	<0.030
SEP								
03...	1030	7.0	10	170	9	0.330	<0.050	0.050

07061105 WHITE RIVER AT OIL TROUGH, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09...	1235	<0.030	5.4	<0.5	<1	<25	<2	<8
NOV								
06...	1145	<0.030	3.8	<0.5	<1	<25	<2	--
DEC								
04...	1145	0.030	3.5	<0.5	<1	<25	<2	21
FEB								
05...	1030	<0.030	2.6	<0.5	--	<25	<2	--
MAR								
26...	1030	--	4.5	<0.5	<1	<25	<2	<8
APR								
02...	1130	<0.030	3.6	<0.5	<1	<25	<2	<8
30...	1145	<0.030	6.4	<0.5	--	<25	<2	--
JUN								
11...	1100	<0.030	3.9	<0.5	<1	<25	<2	<8
JUL								
09...	1200	<0.030	4.5	<0.5	<1	<25	<2	<8
AUG								
13...	1045	0.030	4.9	<0.5	<1	<25	<2	<8
SEP								
03...	1030	<0.030	3.9	<0.5	<1	<25	<2	<8

07064000 BLACK RIVER NEAR CORNING, ARKANSAS

LOCATION.--Lat 36°24′07", long 90°32′29", in SW¼NE¼ sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2.

DRAINAGE AREA.--1,749 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected January 1925 to December 1929 at site 7.0 mi downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft above mean Gulf level (U.S. Army Corps of Engineers bench mark). Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft downstream at present datum.

REMARKS.--Records good, except for estimated daily discharges Oct. 5-16, which are fair. Satellite telemeter at station. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--53 years, 1,845 ft^3/s, 1,337,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s June 13, 1945; maximum gage height, 16.92 ft June 13, 1945; minimum discharge, 224 ft^3/s Sept. 22-27, 1941; minimum gage height observed, -0.52 ft Sept. 26, 1941.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,300 ft^3/s Apr. 17, gage height, 13.34 ft; minimum, 351 ft^3/s Sept. 18, gage height, 1.97 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	492	1880	10400	2480	1120	3360	7310	3030	714	432	536
2	590	494	1850	9750	2210	1170	3250	6380	2590	655	422	525
3	590	494	1840	7830	2000	1270	2970	5440	2230	614	411	538
4	614	493	1860	6220	1810	1290	2780	4810	1990	587	401	547
5	e760	502	1890	5230	1630	1240	2750	4500	1810	579	397	590
6	e860	503	1920	5160	1560	1180	2760	4360	1640	616	395	716
7	e980	534	1930	7110	1680	1170	2620	4330	1470	647	391	697
8	e1100	554	1940	8800	1770	1200	2390	4300	1350	639	405	612
9	e1150	543	1950	8160	1750	1160	2180	4290	1290	580	438	569
10	e1100	549	1960	7160	1710	1110	2010	4280	1220	523	457	604
11	e1000	598	1970	6940	1710	1100	1870	4230	1110	496	472	596
12	e880	688	1980	7880	1630	1090	1940	4330	1010	483	496	551
13	e800	752	1990	8000	1520	1070	2780	4620	960	486	501	485
14	e750	778	1990	7110	1680	1060	4790	4670	992	536	485	429
15	e720	790	2020	6380	1900	1030	8800	4540	1070	584	444	395
16	e715	794	2030	5940	1900	991	12000	4310	1090	574	410	375
17	718	781	2080	5680	1780	978	13100	4040	1080	511	404	363
18	724	731	2290	5400	1620	979	11400	3990	1040	462	439	354
19	764	682	2780	5090	1520	995	9740	4210	949	440	529	357
20	794	650	3690	4830	1470	1010	9080	4480	862	438	579	387
21	740	627	4380	4640	1430	1090	7780	4610	800	482	580	422
22	667	623	5780	4510	1380	1470	6440	4660	e760	526	553	437
23	613	633	9400	4430	1330	2680	5390	4600	e710	530	482	448
24	584	664	11000	4350	1280	4780	4720	4360	691	521	432	449
25	562	656	9740	4270	1240	6030	4340	4290	758	598	410	457
26	535	633	7440	4210	1200	5680	4210	4830	802	582	402	466
27	515	662	5810	4140	1180	4960	4300	5380	832	542	404	478
28	504	872	4840	3870	1140	4190	4500	5390	843	535	449	484
29	496	1560	4460	3460	---	3600	5150	4960	827	565	505	503
30	493	1850	5450	3100	---	3410	6790	4300	780	530	564	518
31	491	---	8960	2780	---	3360	---	3580	---	463	573	---
TOTAL	22400	21182	119100	182830	45510	63463	156190	144380	36586	17038	14262	14888
MEAN	723	706	3842	5898	1625	2047	5206	4657	1220	550	460	496
MAX	1150	1850	11000	10400	2480	6030	13100	7310	3030	714	580	716
MIN	491	492	1840	2780	1140	978	1870	3580	691	438	391	354
AC-FT	44430	42010	236200	362600	90270	125900	309800	286400	72570	33790	28290	29530

CAL YR 1990 TOTAL 830903 MEAN 2276 MAX 11000 MIN 395 AC-FT 1648000
WTR YR 1991 TOTAL 837829 MEAN 2295 MAX 13100 MIN 354 AC-FT 1662000

e Estimated

07068850 CURRENT RIVER NEAR POCAHONTAS, ARKANSAS

LOCATION.--Lat 36°17'55", long 90°51'30", in SE¼SE¼ sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^2.

PERIOD OF RECORD.--Water years 1955-58, October 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0730	9827	9827	2480	8.0	18.0	7.8	1.6	130
NOV									
06.	1030	9827	9827	2440	8.3	14.0	9.7	0.7	180
DEC									
18.	0845	9827	9827	3100	8.1	9.0	10.5	0.7	150
FEB									
12.	1030	9827	9827	2870	8.2	12.0	10.7	0.4	140
MAR									
12.	0900	9827	9827	2420	8.2	12.0	10.3	0.5	160
APR									
09.	1100	9827	9827	3830	8.1	18.0	8.3	0.2	130
30.	1030	9827	9827	1000	7.9	20.0	7.8	0.7	98
JUN									
11.	0930	9827	9827	3340	8.2	24.0	8.9	1.5	150
JUL									
09.	0915	9827	9827	2470	8.3	28.0	7.7	0.7	170
AUG									
13.	0930	9827	9827	2140	8.5	22.0	8.0	0.8	180
SEP									
10.	1045	9827	9827	1870	8.4	27.0	7.8	0.1	180

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0730	5.0	4.3	152	53	0.180	--	0.130
NOV								
06.	1030	4.0	2.9	182	--	0.100	<0.050	0.070
DEC								
18.	0845	6.0	3.3	149	14	0.340	<0.050	0.110
FEB								
12.	1030	--	2.9	140	6	0.270	<0.050	--
MAR								
12.	0900	4.0	2.7	160	6	0.220	<0.050	0.060
APR								
09.	1100	7.0	3.2	133	18	0.080	<0.050	0.060
30.	1030	6.0	2.9	118	--	0.080	0.390	0.100
JUN								
11.	0930	6.0	2.7	160	5	0.110	<0.050	0.040
JUL								
09.	0915	4.0	3.1	171	13	0.140	<0.050	<0.030
AUG								
13.	0930	4.0	2.8	183	30	0.120	0.050	0.030
SEP								
10.	1045	3.0	3.4	180	14	0.140	<0.050	0.050

07068850 CURRENT RIVER NEAR POCAHONTAS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0730	0.040	4.8	<0.5	<1	<25	<2	<8
NOV								
06.	1030	<0.030	1.0	<0.5	<1	<25	<2	<8
DEC								
18.	0845	<0.030	2.0	--	<1	<25	<2	8
FEB								
12.	1030	<0.030	3.0	<0.5	<1	<25	<2	14
MAR								
12.	0900	0.030	--	<0.5	<1	<25	<2	<8
APR								
09.	1100	0.040	2.9	<0.5	<1	<25	<2	27
30.	1030	<0.030	4.0	<0.5	<1	<25	<2	<8
JUN								
11.	0930	<0.030	--	<0.5	<1	<25	<2	<8
JUL								
09.	0915	0.030	--	<0.5	<1	<25	<2	<8
AUG								
13.	0930	<0.030	1.2	<0.5	<1	<25	<2	--
SEP								
10.	1045	0.080	6.0	<0.5	<1	<25	<2	12

07069000 BLACK RIVER AT POCAHONTAS, ARKANSAS

LOCATION.--Lat 36°15'14", long 90°58'12", in SW¼ SW¼ sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi downstream from Fourche Creek, 6.1 mi downstream from Current River, 18.1 mi upstream from Spring River, and at mile 90.1.

DRAINAGE AREA.--4,845 mi^2.

PERIOD OF RECORD.--October 1965 to September 1966, October 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0815	9827	9827	3760	8.0	18.0	7.6	1.6	120
NOV									
06.	1100	9827	9827	2600	8.1	14.0	9.1	1.3	170
DEC									
18.	0915	9827	9827	5180	8.0	9.0	10.0	1.5	120
FEB									
12.	1100	9827	9827	5380	8.0	11.0	10.0	0.9	120
MAR									
12.	0930	9827	9827	3950	8.1	12.0	10.4	0.8	150
APR									
09.	1130	9827	9827	9670	7.8	18.0	7.2	0.8	110
30.	1130	9827	9827	8000	7.7	20.0	7.0	1.6	88
JUN									
11.	1000	9827	9827	4690	8.0	24.0	7.0	1.2	140
JUL									
09.	0945	9827	9827	2460	8.3	29.0	7.6	1.0	160
AUG									
13.	0950	9827	9827	1900	8.5	25.0	8.0	1.3	170
SEP									
10.	1145	9827	9827	2220	8.3	27.0	7.8	1.0	170

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0815	4.0	4.2	151	64	0.230	--	0.140
NOV								
06.	1100	5.0	2.9	174	--	0.060	<0.050	0.080
DEC								
18.	0915	9.0	3.5	142	40	0.300	<0.050	0.130
FEB								
12.	1100	--	3.1	136	27	0.240	0.060	--
MAR								
12.	0930	5.0	3.0	148	14	0.130	<0.050	0.050
APR								
09.	1130	8.0	3.0	126	22	0.020	<0.050	0.080
30.	1130	6.0	2.8	117	--	0.020	0.070	0.060
JUN								
11.	1000	5.0	3.1	148	37	0.120	0.050	0.060
JUL								
09.	0945	3.0	3.2	162	23	0.120	<0.050	0.030
AUG								
13.	0950	3.0	3.5	175	20	0.070	<0.050	0.030
SEP								
10.	1145	3.0	4.0	166	32	0.080	<0.050	0.070

07069000 BLACK RIVER AT POCAHONTAS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0815	0.030	5.7	<0.5	1	<25	<2	<8
NOV								
06.	1100	<0.030	4.3	<0.5	<1	<25	<2	<8
DEC								
18.	0915	0.030	4.4	--	<1	<25	<2	31
FEB								
12.	1100	<0.030	5.5	<0.5	<1	<25	<2	<8
MAR								
12.	0930	<0.030	--	<0.5	<1	<25	<2	<8
APR								
09.	1130	0.040	4.8	<0.5	<1	<25	<2	<8
30.	1130	0.030	4.9	<0.5	<1	<25	<2	<8
JUN								
11.	1000	<0.030	--	<0.5	<1	<25	<2	--
JUL								
09.	0945	<0.030	--	<0.5	<1	<25	<2	<8
AUG								
13.	0950	<0.030	5.6	<0.5	--	<25	<2	--
SEP								
10.	1145	<0.030	9.6	<0.5	<1	<25	<2	<8

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, ARKANSAS

LOCATION.--Lat 36°29′53", long 91°32′08", in SE¼SW¼ sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for estimated dialy discharges, which are fair.

AVERAGE DISCHARGE.--10 years, 368 ft^3/s, 266,600 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 706 ft^3/s Apr. 13, 1991, gage height, 5.13 ft; minimum, 182 ft^3/s Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 706 ft^3/s Apr. 13, gage height, 5.13 ft; minimum daily, 230 ft^3/s Nov. 15-19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	302	e390	494	464	408	484	616	525	452	372	328
2	302	298	e390	491	461	408	481	616	523	452	371	328
3	302	296	e400	487	458	408	479	611	521	452	368	328
4	302	e310	e390	482	456	408	486	609	516	450	365	361
5	302	e320	e390	480	453	408	492	605	512	443	364	378
6	302	e310	e380	482	452	408	494	601	511	438	363	369
7	309	e300	383	493	449	408	494	595	507	435	358	360
8	325	e280	376	498	447	408	494	592	503	435	353	351
9	357	e270	371	498	447	402	494	588	500	434	353	345
10	368	e260	365	500	443	401	494	583	494	424	353	342
11	368	e260	362	513	441	399	494	579	494	420	353	338
12	363	e250	358	516	439	397	500	574	490	420	353	335
13	351	e240	353	516	439	397	689	573	490	420	350	332
14	347	e240	348	516	439	394	666	569	490	420	348	329
15	342	e230	345	516	435	393	640	569	485	420	346	325
16	332	e230	341	512	435	390	624	568	485	416	345	325
17	331	e230	340	508	435	390	612	564	485	412	343	322
18	328	e230	375	506	433	390	610	559	485	412	352	322
19	325	e230	406	503	428	390	610	559	485	412	353	322
20	324	e240	410	499	425	390	610	553	484	405	353	319
21	315	e240	442	495	424	390	610	544	481	404	353	318
22	315	e250	468	493	421	443	605	544	477	397	351	315
23	315	e250	467	490	417	507	600	544	477	397	347	315
24	312	e250	468	487	416	507	596	544	473	393	346	315
25	308	e260	465	485	411	505	590	540	468	386	342	315
26	302	e270	461	485	408	498	586	539	467	384	340	312
27	302	e310	456	482	406	494	584	535	464	382	339	311
28	302	e340	452	478	407	494	594	535	464	381	336	308
29	302	e380	462	476	---	491	616	531	457	379	335	308
30	302	e400	491	471	---	490	616	530	455	378	332	305
31	302	---	494	468	---	487	---	529	---	375	332	---
TOTAL	9959	8276	12599	15320	12189	13303	16944	17598	14668	12828	10869	9881
MEAN	321	276	406	494	435	429	565	568	489	414	351	329
MAX	368	400	494	516	464	507	689	616	525	452	372	378
MIN	302	230	340	468	406	390	479	529	455	375	332	305
AC-FT	19750	16420	24990	30390	24180	26390	33610	34910	29090	25440	21560	19600

CAL YR 1990 TOTAL 145020 MEAN 397 MAX 590 MIN 226 AC-FT 287600
WTR YR 1991 TOTAL 154434 MEAN 423 MAX 689 MIN 230 AC-FT 306300

e Estimated

07069220 SPRING RIVER NEAR MAMMOTH SPRING, ARKANSAS

LOCATION.--Lat 36°27'37", long 91°03'36", in NW¼SW¼ sec.21, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, on left bank in Burlington Northern Railroad right of way, 0.55 mi downstream from railroad crossing at Dam no. 3 on Spring River, 3.2 mi south of Mammoth Spring, and at mile 3.4.

DRAINAGE AREA.--280 mi^2.

PERIOD OF RECORD.--March 1988 to current year.

GAGE.--Water-stage recorder.

REMARKS.--March to September 1988: Records fair, except for estimated daily discharges, which are poor.

Water year 1989: Records good, except for estimated daily discharges, which are fair.

Water year 1990: Records good, except for estimated daily discharges which are fair.

Water year 1991: Records good. Satellite telemeter at station.

EXTREMES FOR CURRENT PERIOD.--March to September 1988: Maximum discharge during period, 5,220 ft^3/s Mar. 29, gage height, 6.38 ft; minimum daily, 335 ft^3/s Aug. 31.

Water year 1989: Maximum discharge, 4,500 ft^3/s, Feb. 13, gage height, 6.30 ft; minimum, 167 ft^3/s, July 7, gage height 1.65 ft.

Water year 1990: Maximum discharge, 4,680 ft^3/s, May 3, gage height, 6.42 ft; minimum, 149 ft^3/s, Jan. 22, gage height, 1.54 ft.

Water year 1991: Maximum discharge, 18,000 ft^3/s, Apr. 14, gage height 12.17 ft from rating curve extended above 6,900 ft^3/s; minimum, 205 ft^3/s, Mar. 5, gage height, 1.65 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e1600	e590	629	e660	e425	342
2	---	---	---	---	---	---	e1300	e590	623	e640	e420	e400
3	---	---	---	---	---	---	e1200	e590	606	e560	e430	e800
4	---	---	---	---	---	---	938	e580	584	e485	e405	e640
5	---	---	---	---	---	---	896	e570	567	e450	e435	e520
6	---	---	---	---	---	---	862	e550	562	e425	e430	e490
7	---	---	---	---	---	---	815	e540	540	e405	e410	e470
8	---	---	---	---	---	---	776	e550	529	e395	e400	e440
9	---	---	---	---	---	---	770	e540	513	e390	e390	e420
10	---	---	---	---	---	---	750	e530	492	e385	e380	e400
11	---	---	---	---	---	---	732	e530	487	e380	e375	e420
12	---	---	---	---	---	---	694	e520	477	e390	e370	e405
13	---	---	---	---	---	---	e760	e520	467	386	e365	e395
14	---	---	---	---	---	---	e740	e520	452	e395	e360	e390
15	---	---	---	---	---	---	e720	e510	438	e390	e355	e385
16	---	---	---	---	---	---	e710	e500	433	e385	e350	e380
17	---	---	---	---	---	572	e880	e480	423	e380	e345	e375
18	---	---	---	---	---	618	e1200	452	409	e460	e375	e370
19	---	---	---	---	---	635	e1150	452	395	e595	e460	e365
20	---	---	---	---	---	719	e1000	442	386	e650	e395	e360
21	---	---	---	---	---	707	e890	457	377	e650	e365	e370
22	---	---	---	---	---	682	e820	802	395	e615	e360	e375
23	---	---	---	---	---	658	e790	889	e390	e550	e370	e375
24	---	---	---	---	---	635	e760	822	e390	e515	e360	e390
25	---	---	---	---	---	641	e730	763	e380	e490	e350	e380
26	---	---	---	---	---	612	e700	719	e370	e470	e350	e375
27	---	---	---	---	---	600	e680	701	e370	e455	e350	e370
28	---	---	---	---	---	595	e660	682	e370	e470	e355	e365
29	---	---	---	---	---	2360	e630	670	e410	e500	e350	e370
30	---	---	---	---	---	e2500	e610	653	e460	e460	e340	e380
31	---	---	---	---	---	e1900	---	641	---	e440	e335	---
TOTAL	---	---	---	---	---	---	25763	18355	13924	14821	11760	12517
MEAN	---	---	---	---	---	---	859	592	464	478	379	417
MAX	---	---	---	---	---	---	1600	889	629	660	460	800
MIN	---	---	---	---	---	---	610	442	370	380	335	342
AC-FT	---	---	---	---	---	---	51100	36410	27620	29400	23330	24830

e Estimated

07069220 SPRING RIVER NEAR MAMMOTH SPRING, ARKANSAS--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e450	e285	709	555	e690	913	1030	632	706	540	469	346
2	e400	e285	688	546	e670	893	965	621	690	531	462	347
3	e380	e290	659	548	e1600	881	974	622	676	525	451	347
4	e380	e300	638	530	e1300	902	1230	613	632	512	443	337
5	e370	e310	617	581	e1100	1160	1020	608	928	508	433	337
6	e350	e300	603	653	e880	1040	971	592	788	503	425	341
7	e340	e295	e600	644	e800	990	940	583	720	494	421	339
8	e330	e295	e590	618	e750	988	916	582	698	493	416	339
9	e325	e290	e570	597	e720	1010	881	584	675	486	411	349
10	e320	e300	e550	577	e690	1040	856	566	650	482	409	368
11	e315	e300	e530	565	e670	1060	835	557	635	479	403	342
12	e305	e305	517	552	e660	1030	820	551	656	485	397	e350
13	296	e315	505	532	e1500	1000	806	544	796	498	391	363
14	293	e335	500	526	3480	967	791	539	684	474	387	348
15	291	e450	474	513	2870	934	781	535	671	469	385	e340
16	298	e580	438	497	2120	900	767	526	652	466	382	336
17	e300	e500	433	482	1590	878	756	526	634	461	378	335
18	e295	e800	428	470	1390	855	719	539	621	465	377	335
19	e290	e1500	428	462	1270	835	709	524	581	462	373	311
20	e285	e1200	424	451	1280	832	717	515	571	454	483	326
21	e285	e960	417	e445	1290	808	709	508	565	457	552	323
22	e290	852	422	e435	1170	785	700	2010	573	e455	387	321
23	e305	783	428	e425	1100	768	695	1900	572	451	374	317
24	e295	723	424	e420	1050	755	691	918	623	446	389	312
25	e290	702	411	e480	1020	743	676	779	587	479	367	311
26	e290	908	402	e760	992	732	668	873	570	490	362	306
27	e285	900	439	e710	985	728	661	916	564	469	358	304
28	e295	829	600	e670	941	724	656	830	555	456	355	305
29	e290	743	578	e810	---	732	654	789	553	449	359	303
30	e285	755	570	e760	---	867	647	759	543	451	351	e310
31	e285	---	561	e720	---	1490	---	729	---	559	347	---
TOTAL	9808	17390	16153	17534	34578	28240	24241	22370	19369	14949	12497	9948
MEAN	316	580	521	566	1235	911	808	722	646	482	403	332
MAX	450	1500	709	810	3480	1490	1230	2010	928	559	552	368
MIN	285	285	402	420	660	724	647	508	543	446	347	303
AC-FT	19450	34490	32040	34780	68590	56010	48080	44370	38420	29650	24790	19730

WTR YR 1989 TOTAL 227077 MEAN 622 MAX 3480 MIN 285 AC-FT 450400

e Estimated

07069220 SPRING RIVER NEAR MAMMOTH SPRING, ARKANSAS--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	e275	e243	220	634	524	782	1040	803	556	393	302
2	323	274	e243	220	683	540	728	1260	779	547	395	301
3	320	269	e248	219	561	552	690	3150	750	542	421	301
4	318	268	e243	221	524	542	679	1910	773	532	438	299
5	316	283	e243	214	497	535	657	1320	755	521	404	305
6	313	e298	e238	213	474	518	630	1200	746	517	382	296
7	312	e303	237	218	439	518	602	1100	717	515	375	311
8	308	e298	235	211	433	578	591	1030	715	502	371	330
9	308	e293	e231	214	422	599	585	1020	704	485	371	340
10	306	e283	e226	212	510	605	866	903	687	485	370	321
11	292	e278	e226	204	533	594	919	937	675	507	367	324
12	295	e278	e226	196	505	594	693	1040	670	503	389	304
13	297	e278	e221	200	504	653	665	1320	668	497	390	304
14	294	e293	e221	209	480	590	658	1060	682	486	367	295
15	e290	e303	e216	211	731	1090	662	966	659	472	389	285
16	e305	e293	e216	211	761	717	618	966	646	455	399	277
17	e300	e283	e216	230	654	649	1040	845	640	449	367	281
18	e295	e278	e216	220	637	628	839	904	624	455	359	280
19	e290	e273	e215	372	584	609	808	862	623	453	353	293
20	288	e273	214	575	549	592	827	812	631	453	356	302
21	287	e293	212	383	555	587	860	848	636	466	345	353
22	286	e308	e212	302	578	588	843	790	645	492	339	327
23	284	e308	e212	329	573	577	844	787	610	449	343	292
24	284	e298	211	304	536	569	834	760	595	438	340	287
25	280	e288	211	288	502	559	843	752	615	429	337	282
26	276	e278	e215	272	512	542	804	792	600	431	334	284
27	e276	e263	219	266	533	547	812	907	586	431	322	282
28	276	e253	218	264	522	564	832	1330	576	417	321	283
29	e280	247	251	257	---	569	814	905	565	415	314	282
30	e280	e243	238	252	---	828	751	874	556	409	306	345
31	e276	---	223	250	---	810	---	792	---	393	302	---
TOTAL	9180	8453	6996	7957	15426	18967	22776	33182	19931	14702	11259	9068
MEAN	296	282	226	257	551	612	759	1070	664	474	363	302
MAX	325	308	251	575	761	1090	1040	3150	803	556	438	353
MIN	276	243	211	196	422	518	585	752	556	393	302	277
AC-FT	18210	16770	13880	15780	30600	37620	45180	65820	39530	29160	22330	17990

CAL YR 1989 TOTAL 208355 MEAN 571 MAX 3480 MIN 211 AC-FT 413300
WTR YR 1990 TOTAL 177897 MEAN 487 MAX 3150 MIN 196 AC-FT 352900

e Estimated

07069220 SPRING RIVER NEAR MAMMOTH SPRING, ARKANSAS--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	313	444	793	578	536	547	1240	680	508	373	333
2	289	310	461	754	567	520	494	1120	677	504	385	330
3	e287	308	506	709	565	495	590	1090	658	511	383	345
4	286	338	485	702	574	483	869	1060	651	517	383	534
5	279	348	469	733	625	448	746	1020	591	496	382	499
6	281	327	458	834	595	505	688	914	637	488	385	419
7	485	322	436	1020	565	461	689	904	577	483	386	391
8	503	312	421	893	549	456	700	880	599	479	381	376
9	630	e308	407	856	543	449	653	893	596	500	372	367
10	617	304	394	904	535	440	602	915	588	484	367	342
11	531	295	385	1090	526	436	610	858	623	479	361	350
12	487	288	405	1040	527	450	705	902	616	477	354	344
13	459	284	379	943	584	433	1840	866	617	486	351	339
14	441	e282	374	905	551	429	7570	833	590	469	353	335
15	426	279	368	903	540	425	1680	822	617	461	354	331
16	422	280	359	887	536	421	1310	868	691	457	351	328
17	428	272	400	814	554	444	1140	818	636	452	376	326
18	385	274	580	770	587	425	1980	1070	592	452	408	352
19	362	275	641	804	555	427	2060	941	576	444	385	335
20	367	293	602	780	535	428	1410	872	570	441	373	325
21	383	291	884	700	525	431	1210	831	552	438	366	321
22	372	313	1020	687	514	1170	1070	810	565	429	361	323
23	356	307	781	677	508	914	1040	780	591	420	355	322
24	352	301	702	661	501	718	966	773	590	447	350	317
25	344	298	661	643	500	670	932	799	558	433	346	315
26	338	325	631	635	495	649	955	767	543	430	345	311
27	336	348	616	666	491	645	1020	732	533	413	341	307
28	329	589	651	642	487	605	1270	714	528	415	340	304
29	323	513	838	662	---	597	4830	719	518	422	338	301
30	320	473	1230	623	---	576	1540	707	513	403	334	302
31	316	---	917	595	---	558	---	695	---	394	333	---
TOTAL	12042	9770	17905	24325	15212	16644	41716	27213	17873	14232	11272	10424
MEAN	388	326	578	785	543	537	1391	878	596	459	364	347
MAX	630	589	1230	1090	625	1170	7570	1240	691	517	408	534
MIN	279	272	359	595	487	421	494	695	513	394	333	301
AC-FT	23890	19380	35510	48250	30170	33010	82740	53980	35450	28230	22360	20680

CAL YR 1990 TOTAL 192985 MEAN 529 MAX 3150 MIN 196 AC-FT 382800
WTR YR 1991 TOTAL 218628 MEAN 599 MAX 7570 MIN 272 AC-FT 433600

e Estimated

07069266 SPRING RIVER NEAR HARDY, ARKANSAS

LOCATION.--Lat 36°20'00", long 91°30'30", in SW¼SW¼ 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.

PERIOD OF RECORD.--March 1974 to September 1983, October 1990 to September 1991.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
FEB								
05...	1330	9827	9827	8.3	11.0	10.5	0.3	230
MAR								
26...	1310	9827	9827	8.3	17.0	9.8	1.6	220
APR								
02...	1500	9827	9827	8.4	16.0	11.7	3.7	220
30...	1350	9827	9827	8.1	18.0	9.2	0.9	160
JUN								
11...	1405	9827	9827	8.2	19.0	9.0	1.5	230
JUL								
09...	1445	9827	9827	8.4	24.0	9.5	1.4	230
AUG								
13...	1410	9827	9827	8.5	21.0	9.0	1.2	240
SEP								
03...	1500	9827	9827	8.3	22.0	9.4	1.8	220

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB								
05...	1330	4.0	3.3	226	6	0.980	<0.050	0.040
MAR								
26...	1310	6.0	3.0	225	16	0.560	<0.050	0.070
APR								
02...	1500	2.0	3.7	216	9	0.480	<0.050	0.060
30...	1350	3.0	3.1	181	50	0.280	<0.050	0.080
JUN								
11...	1405	4.0	3.5	228	5	0.580	<0.050	0.040
JUL								
09...	1445	2.0	3.2	231	6	0.540	0.060	<0.030
AUG								
13...	1410	3.0	2.9	249	4	0.500	<0.050	<0.030
SEP								
03...	1500	3.0	8.7	240	6	0.600	<0.050	0.050

DATE	TIME	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
FEB								
05...	1330	<0.030	6.3	<0.5	--	<25	<2	--
MAR								
26...	1310	--	2.0	<0.5	<1	<25	<2	<8
APR								
02...	1500	<0.030	2.1	<0.5	<1	<25	<2	<8
30...	1350	0.030	4.3	<0.5	--	<25	<2	--
JUN								
11...	1405	<0.030	4.0	<0.5	<1	<25	<2	<8
JUL								
09...	1445	0.030	1.5	<0.5	<1	<25	<2	<8
AUG								
13...	1410	<0.030	2.0	<0.5	<1	<25	<2	<8
SEP								
03...	1500	<0.030	1.8	<0.5	<1	<25	<2	<8

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARKANSAS

LOCATION.--Lat 36°21'00", long 91°38'00", in NW¼NW¼ sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0905	9827	9827	53	8.2	11.0	9.6	0.8	220
NOV									
19.	0830	9827	9827	28	8.1	10.0	9.3	0.9	240
DEC									
18.	0830	9827	9827	257	8.2	9.0	10.2	0.8	200
FEB									
05.	0845	9827	9827	142	8.3	8.0	11.1	0.3	200
MAR									
26.	0845	9827	9827	465	8.1	16.0	9.1	1.1	160
APR									
02.	0930	9827	9827	220	8.3	14.0	11.3	0.9	180
30.	1010	9827	9827	1980	7.7	18.0	7.9	1.6	90
JUN									
11.	0845	9827	9827	--	8.2	24.0	7.3	1.6	220
JUL									
09.	0830	9827	9827	49	8.2	28.0	6.3	<0.1	210
AUG									
13.	0900	9827	9827	18	8.2	28.0	7.2	0.9	210
SEP									
03.	0820	9827	9827	23	8.1	25.0	6.4	1.0	200

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0905	4.0	3.9	209	3	0.120	<0.050	<0.030
NOV								
19.	0830	2.0	6.1	235	1	0.020	<0.050	<0.030
DEC								
18.	0830	4.0	3.5	195	8	0.370	<0.050	0.050
FEB								
05.	0845	4.0	3.3	194	5	0.610	<0.050	0.030
MAR								
26.	0845	6.0	3.0	163	13	0.420	<0.050	0.060
APR								
02.	0930	3.0	3.6	176	2	0.040	<0.050	0.040
30.	1010	4.0	2.9	128	121	0.110	<0.050	0.110
JUN								
11.	0845	3.0	2.9	226	2	0.130	<0.050	0.030
JUL								
09.	0830	2.0	3.2	216	5	0.020	<0.050	<0.030
AUG								
13.	0900	3.0	3.2	232	3	0.030	<0.050	<0.030
SEP								
03.	0820	2.0	9.0	209	4	0.020	<0.050	0.040

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0905	<0.030	3.0	<0.5	<1	<25	<2	--
NOV								
19.	0830	<0.030	5.5	<0.5	<1	<25	<2	<8
DEC								
18.	0830	<0.030	3.8	--	<1	<25	<2	--
FEB								
05.	0845	<0.030	4.9	<0.5	--	<25	<2	--
MAR								
26.	0845	--	2.6	<0.5	<1	<25	<2	<8
APR								
02.	0930	<0.030	2.5	<0.5	<1	<25	<2	<8
30.	1010	0.030	6.5	<0.5	--	<25	<2	--
JUN								
11.	0845	<0.030	4.9	<0.5	<1	<25	<2	<8
JUL								
09.	0830	<0.030	4.7	<0.5	<1	<25	<2	<8
AUG								
13.	0900	<0.030	2.5	<0.5	<1	<25	<2	<8
SEP								
03.	0820	<0.030	2.8	<0.5	<1	<25	3	<8

07069370 SPRING RIVER AT RAVENDEN, ARKANSAS

LOCATION.--Lat 36°13'30", long 91°15'03", in SE¼NW¼ sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft upstream from Starling Creek, and 0.5 mi south of Ravenden.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0945	9827	9827	2220	8.2	18.0	8.2	1.1	330
NOV									
06.	1200	9827	9827	830	8.3	13.0	10.1	0.9	240
DEC									
18.	1000	9827	9827	1990	8.3	10.0	10.0	2.7	210
FEB									
12.	1200	9827	9827	1200	8.5	12.0	11.5	0.7	230
MAR									
12.	1030	9827	9827	1020	8.5	13.0	9.8	0.9	240
APR									
09.	1245	9827	9827	2370	8.3	18.0	8.7	0.7	210
30.	1215	9827	9827	0300	7.8	21.0	6.2	3.3	72
JUN									
11.	1100	9827	9827	905	8.4	23.0	8.3	1.4	230
JUL									
09.	1045	9827	9827	704	8.4	28.0	8.0	1.5	230
AUG									
13.	1045	9827	9827	487	8.6	25.0	7.6	<0.1	230
SEP									
10.	1245	9827	9827	553	8.4	27.0	7.9	0.3	230

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0945	4.0	3.2	206	44	0.210	--	0.080
NOV								
06.	1200	5.0	2.8	236	--	0.320	<0.050	0.060
DEC								
18.	1000	5.0	3.1	207	44	0.570	<0.050	0.080
FEB								
12.	1200	--	3.1	223	6	0.540	<0.050	--
MAR								
12.	1030	4.0	2.9	235	9	0.340	<0.050	0.040
APR								
09.	1245	7.0	2.9	218	24	0.240	<0.050	<0.030
30.	1215	7.0	3.8	149	--	0.050	0.090	0.250
JUN								
11.	1100	4.0	3.5	233	6	0.400	<0.050	<0.030
JUL								
09.	1045	3.0	3.1	226	10	0.320	<0.050	<0.030
AUG								
13.	1045	3.0	2.7	241	14	0.320	<0.050	<0.030
SEP								
10.	1245	3.0	2.8	220	14	0.370	<0.050	0.050

07069370 SPRING RIVER AT RAVENDEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0945	<0.030	6.3	<0.5	<1	<25	<2	<8
NOV								
06.	1200	<0.030	3.2	<0.5	<1	<25	<2	<8
DEC								
18.	1000	<0.030	4.2	--	<1	<25	<2	<8
FEB								
12.	1200	<0.030	3.5	<0.5	<1	<25	<2	<8
MAR								
12.	1030	<0.030	--	<0.5	<1	<25	<2	<8
APR								
09.	1245	<0.030	3.1	<0.5	<1	<25	<2	<8
30.	1215	0.150	13	<0.5	<1	<25	<2	<8
JUN								
11.	1100	<0.030	--	<0.5	<1	<25	<2	<8
JUL								
09.	1045	<0.030	--	<0.5	<1	<25	<2	<8
AUG								
13.	1045	0.030	1.6	<0.5	<1	<25	<2	--
SEP								
10.	1245	<0.030	4.8	<0.5	<1	<25	<2	<8

07069500 SPRING RIVER AT IMBODEN, ARKANSAS

LOCATION.--Lat 36°12'19", long 91°10'19", in SE¼NE¼ sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi upstream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1.

DRAINAGE AREA.--1,183 mi².

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft above National Geodetic Vertical Datum of 1929. Prior to July 17,1937, nonrecording gage at site 200 ft downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--55 years, 1,384 ft³/s, 15.89 in/yr, 1,003,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft³/s Dec. 3, 1982, gage height, 38.12 ft from floodmarks, from rating curve extended above 78,000 ft³/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 ft³/s Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft, from information by U.S. Army Corps of Engineers, discharge, about 125,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 30	1700	11,400	16.31	Apr. 19	0200	12,100	16.81
Mar. 23	0700	11,200	16.14	Apr. 30	0945	20,600	19.90
Apr. 14	1600	*40,200	*23.68				

Minimum discharge, 450 ft³/s Sept. 30, gage height, 3.00 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	635	560	1300	3650	1400	1160	1650	5550	1380	820	535	471
2	569	551	1160	2920	1360	1280	1580	4120	1310	796	518	481
3	545	546	1180	2550	1320	1250	1550	3620	1260	777	517	485
4	561	559	1500	2290	1300	1220	6830	3360	1210	790	519	537
5	532	863	1420	2150	1290	1190	4960	3210	1160	775	518	987
6	516	840	1240	5070	1360	1140	3160	2970	1060	751	512	834
7	669	731	1140	6090	1360	1140	2730	2730	1080	734	526	708
8	1530	680	1060	4340	1330	1100	2680	2590	1010	718	517	624
9	2430	664	996	3270	1300	1070	2380	2480	1020	704	515	584
10	2840	639	948	3940	1270	1040	2130	2460	998	693	575	553
11	1820	615	908	6070	1240	1020	1980	2440	993	681	504	516
12	1380	599	882	5780	1210	1020	2100	2390	1080	671	493	510
13	1150	587	854	4040	1500	1010	5270	2880	1090	683	487	499
14	1020	577	828	3310	1960	988	28600	2510	1030	660	485	487
15	927	568	813	3000	1740	972	15500	2370	975	644	484	478
16	859	559	789	2970	1600	958	6690	2360	1610	635	475	470
17	814	551	897	2680	1540	984	4760	2180	2090	624	506	463
18	803	546	2790	2440	1510	1050	7080	2030	1350	615	576	464
19	762	546	3510	2290	1460	1020	10900	3130	1120	605	549	519
20	715	540	2480	2200	1410	1020	6330	2370	1050	607	536	504
21	705	539	5030	2070	1360	1020	4780	2190	1040	594	526	504
22	692	568	6930	1960	1300	5970	4100	2040	1020	582	513	491
23	670	577	3880	1890	1260	9360	3650	1900	997	598	503	518
24	648	585	2710	1810	1230	3850	3320	1790	1020	638	488	518
25	629	593	2250	1730	1190	2810	3050	1910	1170	603	482	499
26	610	599	2000	1670	1160	2430	2920	2050	1010	583	477	484
27	597	691	1940	1630	1140	2210	5090	1870	951	571	482	471
28	587	2130	1870	1590	1120	2030	4800	1680	905	568	491	464
29	576	2080	2820	1540	---	1960	10700	1570	876	572	489	459
30	569	1540	9890	1500	---	1880	16700	1510	848	558	478	452
31	564	---	6440	1440	---	1740	---	1440	---	547	476	---
TOTAL	27924	22223	72455	89880	38220	56892	177970	77700	33713	20397	15752	16034
MEAN	901	741	2337	2899	1365	1835	5932	2506	1124	658	508	534
MAX	2840	2130	9890	6090	1960	9360	28600	5550	2090	820	576	987
MIN	516	539	789	1440	1120	958	1550	1440	848	547	475	452
AC-FT	55390	44080	143700	178300	75810	112800	353000	154100	66870	40460	31240	31800
CFSM	.76	.63	1.98	2.45	1.15	1.55	5.01	2.12	.95	.56	.43	.45
IN.	.88	.70	2.28	2.83	1.20	1.79	5.60	2.44	1.06	.64	.50	.50

CAL YR 1990 TOTAL 589233 MEAN 1614 MAX 15300 MIN 375 AC-FT 1169000 CFSM 1.36 IN. 18.53
WTR YR 1991 TOTAL 649160 MEAN 1779 MAX 28600 MIN 452 AC-FT 1288000 CFSM 1.50 IN. 20.41

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, ARKANSAS

LOCATION.--Lat 36°20'48", long 91°06'48", in SE¼SE¼ sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on right bank at upstream side of bridge on State Highway 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs, and at mile 21.2.

DRAINAGE AREA.--1,134 mi^2.

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to current year. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

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

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

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

AVERAGE DISCHARGE.--60 years, 1,138 ft^3/s, 13.63 in/yr, 824,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 29.06 ft from flood-marks, from rating curve extended above 23,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum observed, 226 ft^3/s Sept. 9, 1936, gage height, 2.13 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 30	1515	6,120	10.23	Apr. 19	1800	7,790	12.00
Mar. 19	2130	6,550	10.73	Apr. 30	0900	8,520	12.68
Apr. 15	0700	*16,000	*16.48				

Minimum discharge, 552 ft^3/s Nov. 21, gage height, 3.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	638	582	977	2710	1160	991	2070	4430	1490	1020	801	693
2	609	582	907	2290	1120	970	1990	3580	1460	1000	794	693
3	604	578	890	2040	1100	962	e1920	3180	1470	993	785	696
4	619	592	934	1830	1110	965	e2500	2990	1520	989	785	793
5	597	897	928	1720	1120	940	e2350	2850	1440	981	779	811
6	586	780	880	3290	1100	915	e2200	2650	1390	968	808	770
7	696	702	851	3130	1080	888	e2100	2460	1350	953	808	730
8	884	661	816	2750	1060	874	e1950	2330	1330	944	778	711
9	1160	649	786	2370	1040	869	e1860	2250	1310	937	771	701
10	1150	636	763	2750	1030	871	1700	2210	1280	929	763	690
11	928	618	748	3670	1180	868	1610	2120	1280	926	760	674
12	833	606	729	3750	1210	857	2310	2080	1320	914	749	671
13	774	599	714	3100	1180	832	4140	2260	1270	909	734	662
14	744	592	701	2690	1130	823	10500	2410	1270	896	731	661
15	715	586	693	2470	1120	855	13400	2140	1230	887	737	652
16	694	581	678	2340	1130	877	6020	2080	1250	883	729	649
17	679	565	759	2130	1100	902	4260	2060	1260	877	755	649
18	706	564	1970	1970	1060	908	5380	1950	1210	871	777	652
19	664	564	1900	1860	1030	4330	7580	2030	1170	867	795	666
20	651	564	1570	1800	1010	3170	6050	2130	1150	857	751	648
21	646	562	3540	1690	988	2170	4370	2030	1170	853	731	637
22	641	594	3120	1600	974	1920	3750	1920	1170	843	727	641
23	622	613	2480	1550	955	1670	3380	1850	1120	905	722	658
24	618	617	1940	1500	936	1570	3060	1780	1100	871	710	654
25	607	602	1650	1430	927	1460	2820	1870	1090	852	705	649
26	601	594	1470	1380	921	1380	2690	1840	1080	842	702	635
27	600	670	1410	1350	980	1330	3630	1740	1060	827	705	631
28	594	1500	1330	1330	1010	1270	3260	1650	1050	812	721	627
29	592	1410	2150	1290	---	2330	5890	1590	1040	825	709	625
30	586	1110	5100	1250	---	2620	7570	1560	1030	813	705	619
31	582	---	3810	1200	---	2310	---	1520	---	803	694	---
TOTAL	21620	20770	47194	66230	29761	43697	122310	69540	37360	27847	23221	20248
MEAN	697	692	1522	2136	1063	1410	4077	2243	1245	898	749	675
MAX	1160	1500	5100	3750	1210	4330	13400	4430	1520	1020	808	811
MIN	582	562	678	1200	921	823	1610	1520	1030	803	694	619
AC-FT	42880	41200	93610	131400	59030	86670	242600	137900	74100	55230	46060	40160
CFSM	.62	.61	1.34	1.88	.94	1.24	3.60	1.98	1.10	.79	.66	.60
IN.	.71	.68	1.55	2.17	.98	1.43	4.01	2.28	1.23	.91	.76	.66

CAL YR 1990 TOTAL 470583 MEAN 1289 MAX 6620 MIN 389 AC-FT 933400 CFSM 1.14 IN. 15.44
WTR YR 1991 TOTAL 529798 MEAN 1452 MAX 13400 MIN 562 AC-FT 1051000 CFSM 1.28 IN. 17.38

e Estimated

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARKANSAS

LOCATION.--Lat 36°14'13", long 91°05'05", in NW¼SE¼ sec.33. T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.0 mi west of Pocahontas.

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0845	9827	9827	1220	8.0	17.0	7.8	1.3	140
NOV									
06.	1145	9827	9827	819	8.2	12.0	9.6	1.1	190
DEC									
18.	0930	9827	9827	2070	8.1	9.0	9.9	1.5	180
FEB									
12.	1136	9827	9827	1270	8.3	11.0	11.1	0.3	160
MAR									
12.	1000	9827	9827	901	8.3	13.0	9.7	2.1	200
APR									
09.	1200	9827	9827	1950	8.2	18.0	8.6	0.3	170
30.	1145	9827	9827	7950	7.8	--	7.3	1.6	90
JUN									
11.	1025	9827	9827	1340	8.2	21.0	8.5	1.1	180
JUL									
09.	1015	9827	9827	984	8.3	24.0	7.9	0.8	190
AUG									
13.	1015	9827	9827	771	8.5	24.0	8.2	0.8	210
SEP									
10.	1215	9827	9827	724	8.4	25.0	8.2	0.3	210

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0845	4.0	3.2	162	47	0.370	--	0.110
NOV								
06.	1145	3.0	2.6	191	--	0.340	<0.050	0.060
DEC								
18.	0930	6.0	2.9	175	36	0.510	<0.050	0.090
FEB								
12.	1136	--	2.7	181	6	0.630	<0.050	--
MAR								
12.	1000	2.0	2.6	203	18	0.450	<0.050	0.040
APR								
09.	1200	6.0	2.7	176	22	0.270	<0.050	0.040
30.	1145	5.0	3.0	134	--	0.090	<0.050	0.130
JUN								
11.	1025	4.0	3.0	188	8	0.360	0.050	<0.030
JUL								
09.	1015	3.0	2.7	191	11	0.360	0.060	<0.030
AUG								
13.	1015	2.0	2.7	209	11	0.360	<0.050	<0.030
SEP								
10.	1215	2.0	2.6	201	8	0.340	<0.050	0.050

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0845	<0.030	7.6	<0.5	<1	<25	<2	<8
NOV								
06.	1145	<0.030	2.3	<0.5	<1	<25	<2	<8
DEC								
18.	0930	<0.030	4.2	--	<1	<25	<2	<8
FEB								
12.	1136	<0.030	5.0	<0.5	<1	<25	<2	<8
MAR								
12.	1000	<0.030	--	<0.5	1	<25	<2	<8
APR								
09.	1200	<0.030	1.7	<0.5	<1	<25	<2	8
30.	1145	0.070	8.2	<0.5	<1	<25	<2	<8
JUN								
11.	1025	<0.030	--	<0.5	<1	<25	<2	<8
JUL								
09.	1015	<0.030	--	<0.5	<1	<25	<2	<8
AUG								
13.	1015	<0.030	1.0	<0.5	<1	<25	<2	--
SEP								
10.	1215	0.040	7.8	<0.5	<1	<25	<2	17

07072500 BLACK RIVER AT BLACK ROCK, ARKANSAS

LOCATION.--Lat 36°06'15", long 91°05'50", in NW¼ sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank beneath U.S. Highway 63 bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

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

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

REMARKS.--Water-discharge records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--54 years, 8,616 ft^3/s, 6,242,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s Dec. 4, 1982, gage height, 31.51 ft, from flood-marks, from rating curve extended above 105,000 ft^3/s; minimum daily discharge, 1,730 ft^3/s in September, October, and November 1956.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54,300 ft^3/s Apr. 19, gage height, 24.64 ft; minimum daily, 3,050 ft^3/s Sept. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3610	3250	8950	26000	11400	6670	13700	40400	12300	5040	3540	3880
2	3500	3220	8210	24800	10900	7110	12800	32300	11900	4930	3460	3770
3	3420	3180	7580	24100	10500	7320	12000	28700	11500	4780	3370	3600
4	3430	3180	7270	23500	10100	7330	16600	26600	11100	4680	3310	3530
5	3410	3620	7190	24000	9780	7210	19900	25200	10600	4590	3300	3900
6	3390	4050	6980	25500	9680	7070	18800	23900	10000	4470	3250	4180
7	3590	4010	6860	27200	9610	7010	17500	22500	9460	4360	3310	4020
8	4870	3790	6610	26700	9370	6820	16800	21100	8850	4290	3410	3790
9	6980	3660	6320	25900	8990	6490	15900	20000	8340	4240	3330	3730
10	9660	3590	6080	26000	8620	6310	14600	18900	7870	4190	3330	3610
11	9090	3510	6030	27400	8490	6190	13300	17800	7420	4130	3340	3510
12	7850	3440	6030	27700	8240	6100	12800	16800	7180	4060	3300	3440
13	6900	3390	5790	27200	8280	6060	15900	16500	7080	4020	3300	3380
14	6130	3380	5500	27200	9630	6010	31500	16300	6810	3940	3260	3300
15	5550	3400	5440	27300	9640	5880	52000	16500	6530	3880	3240	3220
16	5140	3410	5370	27000	9300	5760	47100	16800	6410	3830	3220	3140
17	4790	3400	5500	27100	8870	5720	38500	17300	7120	3830	3210	3080
18	4510	3390	7990	26500	8630	5770	39600	17600	6640	3810	3420	3050
19	4290	3370	12700	25000	8450	5800	52000	18100	6260	3760	3520	3070
20	4130	3370	13100	23600	8280	6000	53200	18200	6060	3680	3500	3080
21	4010	3340	16700	22200	8080	6380	49200	18200	5950	3640	3410	3090
22	3930	3360	22600	20900	7840	10900	45800	17900	5840	3590	3370	3100
23	3860	3430	22900	19800	7610	21000	42800	17300	5810	3580	3320	3160
24	3770	3480	21800	18600	7420	21600	39500	16600	5580	3930	3280	3230
25	3650	3490	21500	17400	7240	19900	35800	16000	5700	3830	3220	3260
26	3540	3500	21200	16100	7030	18700	32600	16000	5570	3770	3170	3250
27	3470	3660	21200	15000	6830	17800	32100	15800	5450	3770	3150	3220
28	3410	6770	21200	14000	6680	16900	32400	15200	5330	3760	3330	3180
29	3350	8820	21700	13100	---	15900	33800	14400	5220	3550	3770	3160
30	3310	9190	26100	12400	---	15200	42000	13600	5130	3640	4060	3140
31	3280	---	27600	11800	---	14500	---	12800	---	3590	4070	---
TOTAL	143820	118650	390000	701000	245490	307410	900500	605300	225010	125160	105070	102070
MEAN	4639	3955	12580	22610	8767	9916	30020	19530	7500	4037	3389	3402
MAX	9660	9190	27600	27700	11400	21600	53200	40400	12300	5040	4070	4180
MIN	3280	3180	5370	11800	6680	5720	12000	12800	5130	3550	3150	3050
AC-FT	285300	235300	773600	1390000	486900	609700	1786000	1201000	446300	248300	208400	202500

CAL YR 1990 TOTAL 3633550 MEAN 9955 MAX 30800 MIN 2730 AC-FT 7207000
WTR YR 1991 TOTAL 3969480 MEAN 10880 MAX 53200 MIN 3050 AC-FT 7873000

07072500 BLACK RIVER AT BLACK ROCK, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT											
25...	1515	80513	80020	--	--	--	340	8.2	12.5	9.8	92
DEC											
10...	1245	80513	80020	--	--	--	305	8.1	8.0	11.0	93
FEB											
12...	1330	80513	80020	--	--	--	270	8.0	11.0	11.8	108
APR											
09...	1130	80513	80020	--	--	--	244	8.0	18.5	8.3	89
09...	1135	80513	80513	12.0	2.00	4.00	240	7.6	18.5	7.8	84
09...	1137	80513	80513	37.0	2.00	10.0	242	7.6	18.5	7.8	84
09...	1138	80513	80513	37.0	8.00	10.0	243	7.7	18.5	7.7	83
09...	1139	80513	80513	62.0	3.00	15.0	242	7.7	18.5	7.6	82
09...	1140	80513	80513	62.0	12.0	15.0	242	7.7	18.5	7.6	82
09...	1141	80513	80513	87.0	3.00	15.0	242	7.7	18.5	7.6	82
09...	1142	80513	80513	87.0	12.0	15.0	242	7.8	18.5	7.6	82
09...	1143	80513	80513	112	3.00	15.0	242	7.7	18.5	7.6	82
09...	1144	80513	80513	112	12.0	15.0	242	7.8	18.5	7.6	82
09...	1145	80513	80513	137	4.00	18.0	243	7.8	18.5	7.6	82
09...	1146	80513	80513	137	11.0	18.0	243	7.8	18.5	7.6	82
09...	1147	80513	80513	162	4.00	18.0	243	7.8	18.5	7.6	82
09...	1148	80513	80513	162	11.0	18.0	243	7.8	18.5	7.6	82
09...	1149	80513	80513	187	4.00	18.0	242	7.8	18.5	7.6	82
09...	1150	80513	80513	187	11.0	18.0	242	7.9	18.5	7.6	82
09...	1151	80513	80513	212	4.00	18.0	242	7.9	18.5	7.6	82
09...	1152	80513	80513	212	11.0	18.0	242	7.9	18.5	7.6	82
09...	1153	80513	80513	237	2.00	10.0	242	7.8	18.5	7.6	82
09...	1154	80513	80513	237	8.00	10.0	242	7.9	18.5	7.6	82

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)
OCT											
25...	1515	3600	0.7	23	32	180	38	21	2.4	3	0.1
DEC											
10...	1245	6150	4.2	4200	100	150	32	18	1.8	2	0.1
FEB											
12...	1330	6680	1.4	12	20	140	31	16	2.1	3	0.1
APR											
09...	1130	15700	1.3	180	200	130	27	15	1.8	3	0.1

DATE	TIME	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT											
25...	1515	1.2	193	4.6	4.9	<0.10	7.7	197	1910	0.27	<0.010
DEC											
10...	1245	1.2	139	5.2	4.6	0.30	7.4	155	2580	0.21	<0.010
FEB											
12...	1330	1.2	143	5.8	4.7	<0.10	6.4	154	2780	0.21	0.010
APR											
09...	1130	1.2	115	4.8	3.3	<0.10	6.0	129	5460	0.18	0.020

07072500 BLACK RIVER AT BLACK ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
OCT											
25...	1515	<0.010	0.200	0.300	0.020	0.010	0.18	0.20	0.010	<0.010	0.010
DEC											
10...	1245	<0.010	0.300	0.300	0.030	0.020	--	<0.20	0.030	0.020	0.010
FEB											
12...	1330	<0.010	0.300	0.300	0.010	0.020	--	<0.20	0.040	0.030	0.030
APR											
09...	1130	<0.010	0.200	0.180	0.030	<0.010	0.27	0.30	0.050	0.040	0.010

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BORON, DISSOLVED (UG/L AS B) (01020)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT											
25...	1515	<0.010	<10	--	--	--	--	--	--	--	--
DEC											
10...	1245	<0.010	<10	--	--	--	--	--	--	--	--
FEB											
12...	1330	<0.010	<10	--	--	--	--	--	--	--	--
APR											
09...	1130	<0.010	<10	640	<1	<1	<1	1	4	850	5

DATE	TIME	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
25...	1515	--	--	--	--	--	--	16	156	79
DEC										
10...	1245	--	--	--	--	--	--	18	299	73
FEB										
12...	1330	--	--	--	--	--	--	25	451	90
APR										
09...	1130	80	<1	<0.10	2	<1	10	46	1950	72

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
JUN										
24...	1100	80513	80020	312	8.2	25.5	6.2	76	5440	5.2
SEP										
05...	1030	80513	80020	329	8.2	25.5	6.5	80	3890	3.0

07072500 BLACK RIVER AT BLACK ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
JUN										
24...	1100	180	87	170	37	18	2.5	3	0.1	0.60
SEP										
05...	1030	K850	K3600	190	39	22	2.9	3	0.1	1.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUN										
24...	1100	153	3.7	4.1	<0.10	8.5	168	2460	0.23	0.340
SEP										
05...	1030	174	3.5	2.1	<0.10	8.9	186	1950	0.25	--

DATE	TIME	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
JUN									
24...	1100	<0.010	0.020	0.370	0.360	0.030	0.030	--	<0.20
SEP									
05...	1030	0.010	<0.010	0.320	0.330	0.020	<0.010	0.28	0.30

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BORON, DIS-SOLVED (UG/L AS B) (01020)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUN									
24...	1100	0.060	0.010	0.020	0.010	20	42	617	96
SEP									
05...	1030	0.080	0.030	<0.010	<0.010	<10	72	756	81

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, ARKANSAS

LOCATION.--Lat 36°06'37", long 91°26'59", in SE¼NW¼ sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on left bank 250 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9.

DRAINAGE AREA.--473 mi^2.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 877: 1938. WSP 1211: 1938-39. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 298.07 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum. Prior to Jan. 11, 1983, recording gage 250 ft downstream at present datum.

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

AVERAGE DISCHARGE.--55 years, 497 ft^3/s, 14.27 in/yr, 360,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 35.9 ft, from flood-mark, site then in use, from rating curve extended above 27,000 ft^3/s on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Mar. 22	1200	9,410	12.88	Apr. 18	1900	8,890	12.50
Apr. 14	0215	*19,400	*18.76				

Minimum discharge, 54 ft^3/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	88	240	1310	297	224	408	1520	268	130	85	69
2	77	81	212	1090	283	273	371	1150	243	118	82	73
3	69	78	213	901	271	321	467	974	232	111	77	108
4	81	80	338	761	260	285	3980	871	224	109	73	114
5	69	117	270	665	258	267	1900	798	209	108	71	102
6	63	133	223	1900	292	259	1180	723	196	104	69	89
7	136	120	201	1910	330	245	961	617	183	101	67	116
8	299	117	185	1770	323	232	881	548	174	96	67	97
9	1030	114	170	1350	296	220	797	505	168	92	69	85
10	1260	107	160	2000	278	210	666	532	161	98	66	78
11	548	102	151	3000	265	204	576	540	154	104	64	72
12	334	98	144	1900	253	202	628	533	168	98	61	69
13	248	95	137	1470	305	200	4210	546	178	109	59	66
14	207	93	131	1230	434	193	16300	463	178	105	59	64
15	178	91	129	1110	416	187	5550	412	211	112	59	62
16	157	89	126	1310	360	182	2240	403	589	110	59	61
17	144	87	139	1040	339	189	1570	388	580	97	66	59
18	137	85	1400	863	332	191	5000	347	308	90	77	62
19	125	85	1620	767	318	190	3890	464	233	91	75	65
20	118	83	780	709	298	186	1950	987	202	91	66	63
21	114	82	1910	631	287	180	1470	1240	194	85	70	62
22	110	94	1720	563	267	4580	1220	800	203	82	70	60
23	105	93	1350	519	253	3400	1040	588	179	79	66	67
24	107	89	849	485	243	1370	901	478	234	90	64	70
25	105	88	685	447	237	975	794	794	340	595	60	66
26	102	88	572	417	229	801	732	797	265	314	62	63
27	100	118	551	396	220	690	2770	555	194	165	67	61
28	97	374	555	377	214	594	2270	437	165	128	67	59
29	94	513	2010	358	---	532	5100	387	150	113	67	59
30	91	303	2090	338	---	506	3270	343	139	100	84	57
31	91	---	1130	315	---	455	---	303	---	90	86	---
TOTAL	6492	3785	20391	31902	8158	18543	73092	20043	6922	3915	2134	2198
MEAN	209	126	658	1029	291	598	2436	647	231	126	68.8	73.3
MAX	1260	513	2090	3000	434	4580	16300	1520	589	595	86	116
MIN	63	78	126	315	214	180	371	303	139	79	59	57
AC-FT	12880	7510	40450	63280	16180	36780	145000	39760	13730	7770	4230	4360
CFSM	.44	.27	1.39	2.18	.62	1.26	5.15	1.37	.49	.27	.15	.15
IN.	.51	.30	1.60	2.51	.64	1.46	5.75	1.58	.54	.31	.17	.17

CAL YR 1990 TOTAL 183632 MEAN 503 MAX 7820 MIN 51 AC-FT 364200 CFSM 1.06 IN. 14.44
WTR YR 1991 TOTAL 197575 MEAN 541 MAX 16300 MIN 57 AC-FT 391900 CFSM 1.14 IN. 15.54

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARKANSAS

LOCATION.--Lat 36°01'40", long 91°19'31", in NW¼SE¼ sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi upstream from Reeds Creek, and Cooper Creek, and 3.9 mi southwest of Smithville.

DRAINAGE AREA.--539 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1015	9827	9827	1170	8.0	18.0	7.5	1.8	120
NOV									
06.	1300	9827	9827	152	8.2	13.0	9.7	1.5	220
DEC									
18.	1100	9827	9827	1600	8.2	9.0	10.2	1.4	190
FEB									
12.	1415	9827	9827	288	8.4	12.0	11.4	0.7	210
MAR									
12.	1110	9827	9827	230	8.3	13.0	10.0	0.7	220
APR									
09.	1315	9827	9827	909	8.2	18.0	8.4	0.6	170
30.	1330	9827	9827	3730	7.8	20.0	7.6	2.3	74
MAY									
07.	1040	9827	9827	703	8.2	17.0	9.8	1.6	94
JUN									
11.	1200	9827	9827	176	8.3	25.0	8.4	1.9	210
JUL									
09.	1200	9827	9827	105	8.4	31.0	7.5	1.3	210
AUG									
13.	1100	9827	9827	67	8.5	25.0	8.2	1.7	210
SEP									
10.	1330	9827	9827	89	8.4	29.0	7.9	0.3	220

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	1015	5.0	3.7	159	188	0.230	--	--	0.220
NOV									
06.	1300	5.0	2.8	213	--	<0.020	<0.050	--	0.070
DEC									
18.	1100	7.0	3.1	192	44	0.200	<0.050	--	0.100
FEB									
12.	1415	--	3.1	193	5	0.240	<0.050	--	--
MAR									
12.	1110	6.0	2.8	213	2	0.090	<0.050	--	<0.030
APR									
09.	1315	9.0	2.9	183	30	0.100	<0.050	--	0.040
30.	1330	5.0	3.5	135	--	<0.020	0.050	--	0.210
MAY									
07.	1040	4.0	2.1	112	9	0.370	<0.050	0.41	0.040
JUN									
11.	1200	5.0	3.0	214	11	0.060	<0.050	--	0.040
JUL									
09.	1200	4.0	3.0	203	13	<0.020	<0.050	--	<0.030
AUG									
13.	1100	4.0	2.8	206	20	<0.020	<0.050	--	<0.030
SEP									
10.	1330	3.0	2.9	215	14	<0.020	<0.050	--	0.050

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1015	0.060	11	<0.5	<1	<25	<2	<8
NOV								
06.	1300	<0.030	4.4	<0.5	<1	<25	<2	<8
DEC								
18.	1100	<0.030	4.7	--	<1	<25	<2	<8
FEB								
12.	1415	<0.030	3.0	<0.5	<1	<25	<2	<8
MAR								
12.	1110	<0.030	--	<0.5	<1	<25	<2	<8
APR								
09.	1315	<0.030	3.6	<0.5	<1	<25	<2	<8
30.	1330	0.090	11	<0.5	<1	<25	<2	<8
MAY								
07.	1040	<0.030	2.2	<0.5	<1	<25	<2	<8
JUN								
11.	1200	<0.030	--	<0.5	<1	<25	<2	<8
JUL								
09.	1200	<0.030	--	<0.5	<1	<25	<2	<8
AUG								
13.	1100	<0.030	4.9	<0.5	<1	<25	<2	--
SEP								
10.	1330	<0.030	5.1	<0.5	<1	<25	<2	<8

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

LOCATION.--Lat 35°36'18", long 91°17'19", in NE¼NE¼ sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft downstream from bridge on U.S. Highway 67 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi².

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--58 years, 22,840 ft³/s, 16,550,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft³/s Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 ft³/s Sept. 27-30, 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 81,000 ft³/s Apr. 19, gage height, 26.78 ft; minimum daily, 5,870 ft³/s Sept. 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20800	9520	20200	58400	47700	20100	33400	71200	27300	24600	10600	10400
2	15700	10600	19900	55600	47500	19700	29600	69000	26300	25200	9230	9300
3	16400	10300	18300	53100	47800	17700	31200	65800	22900	25200	13400	8530
4	20000	9950	16200	51400	47900	16100	32600	61800	20800	27400	13100	9170
5	19100	8710	20000	49800	48000	16300	36700	57900	22000	27500	11300	9270
6	15400	7790	24300	50800	47200	18300	38900	54700	20700	27200	9540	9680
7	14300	7980	21600	56100	44600	15800	38100	50500	22300	26500	8300	8940
8	15900	9740	19300	56900	41900	14500	36700	47600	24800	26500	8560	9990
9	17800	10800	16500	59200	39800	18000	35500	44800	24700	26200	11300	10600
10	27100	10800	13700	59700	38100	18200	35200	42400	25000	26400	10400	9610
11	28200	10200	11600	61100	35200	16300	34900	40600	25100	26800	8450	9770
12	26100	9370	10900	63800	28500	15200	33500	39600	26800	26200	7010	10900
13	23400	7390	10700	63700	29100	14400	37300	39000	26700	25200	7830	11100
14	21000	6690	10400	61200	30900	14400	53100	38100	26700	25100	8370	11500
15	16700	8450	11500	58200	30700	21300	65100	37100	26300	24000	7200	11400
16	13200	10800	12500	54600	33400	21400	71100	34600	26900	23400	8880	10600
17	16500	11100	11700	52800	35400	16300	76000	34100	27200	20900	11500	9420
18	19700	e10000	14000	50800	31100	13000	78800	32700	26400	20000	13300	8460
19	19700	e9100	24300	50200	25500	11100	78900	32300	24000	18400	12100	7680
20	17300	e8200	26300	49800	27100	11100	78000	31900	22600	18500	9950	6500
21	14800	7610	31300	48200	28800	11400	79100	31900	21200	19600	7650	6210
22	11600	7610	42800	47500	26200	12400	77600	33500	23500	15400	7880	5990
23	10900	10100	e50000	48100	22500	24800	73700	32700	27000	12600	9750	6130
24	16600	9640	e49000	48400	26500	29300	69200	32800	27700	15200	12200	5870
25	14600	7760	47700	48400	22100	34500	64700	33300	27000	14300	11500	5890
26	11400	6480	46700	48700	20000	33700	60500	34700	24700	13000	9380	6010
27	10000	6220	45700	49500	22100	37000	58200	36700	24100	12100	7220	6320
28	9890	9480	47100	49500	20900	40000	59400	37300	22200	12100	9440	6290
29	9800	15900	47600	49300	---	41600	61200	35200	23800	11700	11000	6320
30	9580	18600	e52000	48500	---	39900	69100	32300	24400	10600	10500	6340
31	9430	---	e61000	48100	---	36600	---	29400	---	10000	10300	---
TOTAL	512900	286890	854800	1651400	946500	670400	1627300	1295500	741100	637800	307140	254190
MEAN	16550	9563	27570	53270	33800	21630	54240	41790	24700	20570	9908	8473
MAX	28200	18600	61000	63800	48000	41600	79100	71200	27700	27500	13400	11500
MIN	9430	6220	10400	47500	20000	11100	29600	29400	20700	10000	7010	5870
AC-FT	1017000	569000	1695000	3276000	1877000	1330000	3228000	2570000	1470000	1265000	609200	504200

CAL YR 1990 TOTAL 10653920 MEAN 29190 MAX 101000 MIN 4180 AC-FT 21130000
WTR YR 1991 TOTAL 9785920 MEAN 26810 MAX 79100 MIN 5870 AC-FT 19410000

e Estimated

07074500 WHITE RIVER AT NEWPORT, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January to August 1978, November 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1961, November 1978 to September 1981.
WATER TEMPERATURES: October 1945 to September 1961, November 1978 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
25.	1200	80513	80020	270	8.0	14.0	9.9	96	14600	4.6	30
DEC											
10.	1045	80513	80020	298	8.0	8.0	11.1	93	13800	7.7	2100
FEB											
12.	1030	80513	80020	275	8.0	10.0	10.4	92	28600	8.7	7
APR											
18.	1000	80513	80020	163	8.1	18.5	7.2	78	78900	49	84
JUN											
25.	0900	80513	80020	280	7.8	19.5	8.6	94	26000	13	28
AUG											
06.	0745	80513	80020	295	8.0	25.0	8.3	101	8810	8.2	23

DATE	TIME	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT											
25.	1200	29	130	0	34	12	2.9	4	0.1	1.5	134
DEC											
10.	1045	84	150	1	35	15	2.4	3	0.1	1.4	147
FEB											
12.	1030	8	150	11	35	14	2.6	4	0.1	1.5	133
APR											
18.	1000	460	83	7	22	6.7	1.5	4	0.1	1.5	75
JUN											
25.	0900	65	150	2	36	14	2.6	4	0.1	1.4	145
AUG											
06.	0745	14	160	15	40	15	4.0	5	0.1	1.4	146

DATE	TIME	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
OCT											
25.	1200	0	165	135	6.3	5.9	<0.10	6.1	149	151	5870
DEC											
10.	1045	0	181	148	5.9	4.2	0.30	6.7	155	161	5780
FEB											
12.	1030	0	164	134	7.1	5.6	<0.10	5.5	130	153	10000
APR											
18.	1000	0	92	75	3.7	2.4	<0.10	5.4	95	89	20200
JUN											
25.	0900	0	178	146	5.4	4.7	<0.10	5.8	173	159	12100
AUG											
06.	0745	0	179	147	6.9	6.6	<0.10	5.9	168	169	4000

07074500 WHITE RIVER AT NEWPORT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT											
25.	1200	0.20	--	<0.010	<0.010	0.300	0.200	<0.010	0.010	--	<0.20
DEC											
10.	1045	0.21	--	<0.010	<0.010	0.300	0.300	0.030	0.010	0.27	0.30
FEB											
12.	1030	0.18	0.290	<0.010	0.010	0.300	0.300	0.010	0.010	--	<0.20
APR											
18.	1000	0.13	--	0.040	<0.010	0.190	0.190	0.070	0.050	0.63	0.70
JUN											
25.	0900	0.24	--	<0.010	<0.010	0.390	0.310	0.050	0.040	0.25	0.30
AUG											
06.	0745	0.23	--	<0.010	<0.010	0.140	0.170	0.010	<0.010	0.39	0.40

DATE	TIME	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT											
25.	1200	--	0.040	<0.010	<0.010	<0.010	--	--	--	--	--
DEC											
10.	1045	--	0.030	0.010	0.010	<0.010	30	<1	36	<0.5	<1.0
FEB											
12.	1030	--	0.100	0.030	0.080	0.010	<10	<1	38	<0.5	<1.0
APR											
18.	1000	--	0.120	0.030	0.050	0.020	--	--	--	--	--
JUN											
25.	0900	--	0.040	0.010	0.020	<0.010	20	<1	35	<0.5	1.0
AUG											
06.	0745	0.20	0.050	0.010	<0.010	<0.010	10	<1	41	<0.5	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC										
10.	1045	<1	<3	1	17	<1	4	6	<0.1	<10
FEB										
12.	1030	<1	<3	2	13	<1	4	22	<0.1	<10
JUN										
25.	0900	<1	<3	3	12	<1	<4	1	<0.1	<10
AUG										
06.	0745	2	<3	5	5	<1	<4	1	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
25.	1200	--	--	--	--	--	--	9	355	100
DEC										
10.	1045	1	<2	<1.0	34	<6	<3	15	559	100
FEB										
12.	1030	1	<1	<1.0	34	<6	6	27	2080	100
APR										
18.	1000	--	--	--	--	--	--	86	18300	78
JUN										
25.	0900	<1	<1	<1.0	35	<6	29	39	2740	87
AUG										
06.	0745	<1	<1	<1.0	43	<6	<3	26	618	84

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARKANSAS

LOCATION.--Lat 35°39'06", long 92°19'20", in NE¼ sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi south of Shirley, and at mile 124.4.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1100	9827	9827	6.1	7.6	18.0	7.9	1.0	44
NOV									
06.	1015	9827	9827	5.5	7.7	13.0	8.7	0.7	46
DEC									
04.	1015	9827	9827	315	7.8	8.0	10.9	1.3	50
JAN									
29.	1115	9827	9827	332	7.8	6.0	12.0	0.6	28
FEB									
26.	1220	9827	9827	260	7.7	7.0	11.3	0.6	30
MAR									
19.	1240	9827	9827	350	7.7	13.0	10.3	0.5	38
APR									
23.	1130	9827	9827	676	7.6	14.0	10.1	0.4	34
MAY									
14.	1245	9827	9827	242	7.5	24.0	8.1	1.3	38
JUN									
25.	1235	9827	9827	336	7.6	27.0	7.7	1.2	54
JUL									
23.	1230	9827	9827	9.7	7.8	29.0	8.1	1.9	44
AUG									
27.	1145	9827	9827	1.8	7.8	27.0	--	2.6	48
SEP									
24.	1245	9827	9827	0.0	7.7	20.0	8.9	1.4	34

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1100	10	3.2	76	24	0.080	--	0.120
NOV								
06.	1015	5.0	2.5	66	4	<0.020	<0.050	0.060
DEC								
04.	1015	13	3.4	91	26	0.130	<0.050	--
JAN								
29.	1115	6.0	2.8	53	4	0.030	0.140	0.020
FEB								
26.	1220	5.0	2.8	51	2	<0.020	0.090	0.030
MAR								
19.	1240	5.0	3.1	61	4	<0.020	<0.050	0.080
APR								
23.	1130	4.0	1.9	52	4	0.050	0.070	0.050
MAY								
14.	1245	6.0	2.2	35	1	<0.020	0.270	0.120
JUN								
25.	1235	7.0	2.3	68	8	0.090	0.050	0.050
JUL								
23.	1230	5.0	2.2	64	5	0.020	0.050	0.140
AUG								
27.	1145	4.0	2.4	56	7	0.030	<0.050	0.050
SEP								
24.	1245	7.0	1.3	43	2	<0.020	<0.050	0.060

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1100	<0.030	4.9	<0.5	<1	<25	<2	<8
NOV								
06.	1015	<0.030	2.2	<0.5	<1	<25	<2	--
DEC								
04.	1015	0.070	6.4	<0.5	<1	<25	<2	<8
JAN								
29.	1115	<0.030	1.3	--	<1	<25	<2	<8
FEB								
26.	1220	<0.030	1.2	<0.5	<1	<25	<2	<8
MAR								
19.	1240	<0.030	1.3	<0.5	--	<25	<2	--
APR								
23.	1130	0.080	1.3	<0.5	<1	<25	<2	<8
MAY								
14.	1245	0.040	1.6	<0.5	<1	<25	<2	<8
JUN								
25.	1235	0.050	4.1	<0.5	<1	<25	<2	--
JUL								
23.	1230	0.050	3.9	<0.5	<1	<25	<2	<8
AUG								
27.	1145	--	4.3	<0.5	--	<25	--	<8
SEP								
24.	1245	0.050	3.6	<0.5	<1	<25	<2	<8

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, ARKANSAS

LOCATION.--Lat 35°35'29", long 92°27'20", in SW¼ sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi upstream from Archey Creek, and at mile 23.7.

DRAINAGE AREA.--148 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--30 years, 238 ft^3/s, 21.84 in/yr, 172,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft^3/s Dec. 3, 1982, gage height, 34.27 ft, from flood-marks, from rating curve extended above 24,000 ft^3/s on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Mar. 22	1200	5,430	12.19	Apr. 14	0200	*9,250	*14.45

No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	11	101	545	101	267	170	523	e120	102	1.6	100
2	.49	10	88	410	95	478	156	384	e120	86	1.1	439
3	.42	9.3	505	332	90	328	319	346	115	73	.80	166
4	1.1	11	315	277	87	274	1450	326	103	63	e.60	349
5	1.2	14	202	244	88	242	666	286	118	56	e.40	285
6	1.2	13	159	777	123	221	463	242	203	48	e.20	159
7	15	13	131	1210	147	192	372	202	126	42	e.00	118
8	99	15	110	656	128	170	318	176	100	36	e.00	96
9	175	17	95	465	121	153	272	157	84	32	e.00	79
10	156	16	84	1080	117	139	226	150	72	28	e.00	66
11	105	16	75	1240	111	130	197	181	65	24	e.00	54
12	76	16	68	772	92	125	439	165	60	20	e.00	45
13	58	17	64	528	102	118	3450	143	56	18	e.00	39
14	47	18	59	414	174	110	4520	124	52	16	e.00	34
15	39	18	57	414	154	101	1280	109	85	14	e.00	29
16	33	18	55	507	142	93	774	109	188	12	e.00	26
17	30	18	64	384	139	101	563	133	265	10	e.00	24
18	31	18	426	323	139	138	498	121	174	9.9	e.00	28
19	26	18	458	293	131	130	420	116	131	8.8	e.00	27
20	23	18	287	267	113	120	344	121	170	7.8	e.00	22
21	21	18	1180	229	123	117	300	116	133	6.8	e.00	20
22	19	24	1100	202	117	2320	279	112	128	5.8	e.00	18
23	14	22	552	186	108	1260	248	112	147	5.1	e.00	18
24	18	21	351	172	100	617	185	109	1550	4.4	e.00	19
25	16	21	276	156	93	439	179	e110	727	5.3	e.00	16
26	15	21	229	147	87	354	161	e110	347	5.5	e.00	15
27	14	31	222	140	84	317	447	e110	241	4.4	e.00	13
28	14	272	220	135	79	290	690	e110	189	3.6	e.00	12
29	13	179	768	127	---	247	2380	e120	151	3.4	.00	10
30	12	126	2210	119	---	214	833	e120	124	2.5	.48	9.2
31	12	---	897	109	---	188	---	e120	---	2.1	119	---
TOTAL	1086.10	1039.3	11408	12860	3185	9993	22599	5363	6144	755.4	124.18	2335.2
MEAN	35.0	34.6	368	415	114	322	753	173	205	24.4	4.01	77.8
MAX	175	272	2210	1240	174	2320	4520	523	1550	102	119	439
MIN	.42	9.3	55	109	79	93	156	109	52	2.1	.00	9.2
AC-FT	2150	2060	22630	25510	6320	19820	44830	10640	12190	1500	246	4630
CFSM	.24	.23	2.49	2.80	.77	2.18	5.09	1.17	1.38	.16	.03	.53
IN.	.27	.26	2.87	3.23	.80	2.51	5.68	1.35	1.54	.19	.03	.59

CAL YR 1990 TOTAL 114180.94 MEAN 313 MAX 10200 MIN .00 AC-FT 226500 CFSM 2.11 IN. 28.70
WTR YR 1991 TOTAL 76892.18 MEAN 211 MAX 4520 MIN .00 AC-FT 152500 CFSM 1.42 IN. 19.33

e Estimated

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARKANSAS

LOCATION.--Lat 35°31'15", long 91°59'42", in SE¼ 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 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
NOV											
19...	0815	80513	80513	0.0	150	37	8.0	752	15.5	7.8	80
19...	0817	80513	80513	3.00	150	37	7.9	752	15.5	7.7	78
19...	0819	80513	80513	10.0	150	37	7.8	752	15.5	7.6	78
19...	0821	80513	80513	20.0	150	37	7.7	752	15.5	7.6	78
19...	0823	80513	80513	30.0	150	37	7.6	752	15.5	7.6	78
19...	0825	80513	80513	40.0	150	37	7.6	752	15.5	7.5	77
19...	0827	80513	80513	50.0	150	37	7.5	752	15.5	7.5	77
19...	0829	80513	80513	60.0	150	37	7.5	752	15.5	7.5	76
19...	0831	80513	80513	70.0	150	38	7.2	752	14.5	2.3	22
19...	0833	80513	80513	80.0	150	39	7.1	752	13.5	3.0	29
19...	0835	80513	80513	90.0	150	39	7.1	752	12.5	3.4	33
19...	0837	80513	80513	100	150	39	7.0	752	11.5	3.7	34
19...	0839	80513	80513	110	150	39	7.0	752	11.0	3.4	31
19...	0841	80513	80513	120	150	41	6.9	752	10.5	2.2	20
19...	0843	80513	80020	130	150	43	6.9	752	10.0	1.0	9
19...	0845	80513	80513	140	150	45	6.8	752	9.5	0.5	4
19...	0847	80513	80513	150	150	46	6.8	752	9.5	0.2	2

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAR											
18...	0930	80513	80513	0.0	150	54	8.8	755	10.0	12.0	107
18...	0931	80513	80513	10.0	150	52	8.5	755	10.0	11.6	103
18...	0932	80513	80513	20.0	150	51	8.5	755	9.5	11.5	102
18...	0933	80513	80513	30.0	150	50	8.5	755	9.5	11.4	101
18...	0934	80513	80513	40.0	150	49	8.4	755	9.5	11.3	101
18...	0935	80513	80513	50.0	150	48	8.3	755	9.5	11.3	100
18...	0936	80513	80513	60.0	150	47	8.3	755	9.5	11.2	99
18...	0937	80513	80513	70.0	150	47	8.3	755	9.5	11.2	99
18...	0938	80513	80513	80.0	150	47	8.2	755	9.0	11.2	97
18...	0939	80513	80513	90.0	150	46	8.2	755	8.5	10.7	93
18...	0940	80513	80513	100	150	46	8.1	755	8.0	10.5	90
18...	0941	80513	80513	110	150	46	8.1	755	8.0	10.3	88
18...	0942	80513	80513	120	150	45	8.0	755	8.0	10.1	85
18...	0943	80513	80513	130	150	45	8.0	755	7.5	9.9	83
18...	0944	80513	80513	140	150	48	8.0	755	7.5	9.7	81
18...	0945	80513	80513	150	150	46	7.9	755	7.5	9.4	79

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	0850	80513	80513	0.0	155	39	7.1	753	27.5	8.0	103
19...	0852	80513	80020	3.00	155	39	7.1	753	27.5	7.9	102
19...	0854	80513	80513	10.0	155	39	7.1	753	28.0	7.9	102
19...	0856	80513	80513	18.0	155	38	7.1	753	27.0	8.1	103
19...	0858	80513	80513	20.0	155	38	7.1	753	26.5	8.7	110
19...	0900	80513	80513	21.0	155	38	7.6	753	25.0	10	122
19...	0902	80513	80513	22.0	155	38	8.0	753	23.5	10.3	123
19...	0904	80513	80513	23.0	155	38	8.1	753	22.5	10.4	122
19...	0906	80513	80513	24.0	155	38	8.0	753	22.0	10.2	118
19...	0908	80513	81213	25.0	155	38	7.9	753	21.5	10	114
19...	0910	80513	80513	26.0	155	38	7.6	753	20.5	9.4	106
19...	0912	80513	80513	28.0	155	37	7.2	753	20.0	8.3	92
19...	0914	80513	80513	30.0	155	37	7.1	753	19.5	8.0	88
19...	0916	80513	80513	33.0	155	37	6.9	753	18.5	6.7	72
19...	0918	80513	80513	37.0	155	37	6.7	753	17.5	6.0	64
19...	0920	80513	80513	40.0	155	37	6.6	753	17.0	5.9	61
19...	0922	80513	80513	44.0	155	37	6.5	753	16.0	5.8	60
19...	0924	80513	80513	48.0	155	37	6.5	753	15.5	6.2	63
19...	0926	80513	80513	50.0	155	38	6.6	753	15.0	6.3	63
19...	0928	80513	80513	55.0	155	38	6.5	753	14.0	6.7	66
19...	0930	80513	80513	60.0	155	38	6.6	753	13.5	7.1	69
19...	0932	80513	80513	70.0	155	38	6.6	753	12.5	7.9	75
19...	0934	80513	80513	80.0	155	39	6.7	753	11.5	8.3	78
19...	0936	80513	80513	90.0	155	39	6.7	753	11.0	8.6	79
19...	0938	80513	81213	100	155	40	6.8	753	10.5	8.8	80
19...	0940	80513	80513	110	155	39	6.8	753	10.0	8.8	79
19...	0942	80513	80513	120	155	40	6.8	753	9.5	8.5	76
19...	0944	80513	80513	130	155	40	6.8	753	9.0	7.6	67
19...	0946	80513	80513	140	155	41	6.7	753	9.0	7.4	64
19...	0948	80513	80513	150	155	41	6.6	753	9.0	7.1	62
19...	0950	80513	80513	155	155	42	6.7	753	9.0	7.1	61

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	0850	3.70	1	--	--	--	--	--	--
19...	0908	--	--	5	0.89	1.2	14	4.3	0.90
19...	0938	--	--	5	0.79	0.9	16	4.9	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	0852	--	--	--	--	--	--	0.300	<0.100
19...	0908	13	<0.010	<0.020	<0.010	0.060	0.020	--	--
19...	0938	13	<0.010	0.160	<0.010	0.050	0.010	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL											
02...	1000	80513	80513	0.0	157	37	6.7	751	30.5	7.3	99
02...	1001	80513	80513	3.00	157	37	6.7	751	30.5	7.3	99
02...	1002	80513	80513	10.0	157	37	6.7	751	30.5	7.2	98
02...	1003	80513	80513	16.0	157	37	6.7	751	30.0	7.5	100
02...	1004	80513	80513	17.0	157	36	6.9	751	29.0	7.7	102
02...	1005	80513	80513	19.0	157	37	6.9	751	28.0	7.7	100
02...	1006	80513	80513	20.0	157	36	6.8	751	28.0	7.8	101
02...	1007	80513	80513	22.0	157	36	6.9	751	27.0	8.6	109
02...	1008	80513	80513	25.0	157	37	7.5	751	26.0	9.3	116
02...	1009	80513	80513	26.0	157	36	7.7	751	25.0	9.6	118
02...	1010	80513	80513	27.0	157	36	7.5	751	24.0	9.6	116
02...	1011	80513	80513	28.0	157	36	7.4	751	23.5	9.5	113
02...	1012	80513	80513	29.0	157	36	7.1	751	22.0	9.1	106
02...	1013	80513	80513	30.0	157	36	6.9	751	21.5	8.7	101
02...	1014	80513	80513	31.0	157	36	6.6	751	20.5	7.6	85
02...	1015	80513	80513	34.0	157	37	6.3	751	20.0	6.3	70
02...	1016	80513	80513	36.0	157	36	6.2	751	19.0	5.6	62
02...	1017	80513	80513	38.0	157	36	6.1	751	18.0	5.3	57
02...	1018	80513	80513	39.0	157	35	6.0	751	18.0	5.2	55
02...	1019	80513	80513	40.0	157	35	6.0	751	17.5	5.1	54
02...	1020	80513	80513	44.0	157	36	6.0	751	16.5	5.1	53
02...	1021	80513	80513	48.0	157	36	6.0	751	16.0	5.2	53
02...	1022	80513	80513	50.0	157	36	6.0	751	15.5	5.3	54
02...	1023	80513	80513	57.0	157	36	6.1	751	14.5	5.8	58
02...	1024	80513	80513	60.0	157	37	6.1	751	14.5	6.0	60
02...	1025	80513	80513	70.0	157	38	6.2	751	13.5	6.6	65
02...	1026	80513	80513	80.0	157	38	6.3	751	13.0	7.2	69
02...	1027	80513	80513	90.0	157	38	6.4	751	12.0	7.6	72
02...	1028	80513	80513	100	157	38	6.4	751	11.5	7.9	74
02...	1029	80513	80513	110	157	39	6.5	751	10.5	7.9	72
02...	1030	80513	80513	120	157	39	6.4	751	10.0	7.8	70
02...	1031	80513	80513	130	157	39	6.4	751	9.5	7.3	65
02...	1032	80513	80513	140	157	42	6.4	751	9.5	6.5	58
02...	1033	80513	80513	150	157	41	6.4	751	9.0	6.2	54
02...	1034	80513	80513	157	157	41	6.4	751	9.0	6.0	53

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG											
08...	0700	80513	80513	0.0	150	45	7.1	753	29.5	7.5	100
08...	0701	80513	80020	3.00	150	45	7.0	753	29.5	7.5	100
08...	0702	80513	80513	10.0	150	45	7.0	753	29.5	7.5	100
08...	0703	80513	80513	20.0	150	45	7.0	753	28.5	7.6	100
08...	0704	80513	80513	23.0	150	45	6.8	753	27.5	8.0	104
08...	0705	80513	81213	25.0	150	44	6.8	753	26.5	8.6	109
08...	0706	80513	80513	26.0	150	43	6.8	753	25.0	9.0	110
08...	0707	80513	80513	28.0	150	43	6.7	753	24.0	7.9	95
08...	0708	80513	80513	30.0	150	42	6.6	753	23.5	7.4	87
08...	0709	80513	80513	31.0	150	42	6.4	753	22.5	6.9	81
08...	0710	80513	80513	34.0	150	44	6.3	753	21.5	5.9	68
08...	0711	80513	80513	36.0	150	42	6.2	753	20.5	5.0	56
08...	0712	80513	80513	38.0	150	41	6.2	753	19.5	4.4	48
08...	0713	80513	80513	40.0	150	40	6.1	753	19.0	4.1	45
08...	0714	80513	80513	43.0	150	40	6.1	753	18.0	3.5	38
08...	0715	80513	80513	46.0	150	40	6.1	753	17.0	3.4	36
08...	0716	80513	80513	50.0	150	39	6.1	753	16.0	3.6	37
08...	0717	80513	80513	57.0	150	40	6.3	753	15.0	4.9	49
08...	0718	80513	80513	60.0	150	40	6.2	753	14.5	5.1	51
08...	0719	80513	80513	70.0	150	42	6.3	753	14.0	5.7	56
08...	0720	80513	80513	80.0	150	41	6.4	753	13.0	6.4	62
08...	0721	80513	80513	90.0	150	43	6.5	753	12.0	7.2	67
08...	0722	80513	81213	100	150	40	6.5	753	11.5	7.4	68
08...	0723	80513	80513	110	150	40	6.6	753	11.0	7.3	67
08...	0724	80513	80513	120	150	40	6.6	753	10.5	7.0	64
08...	0725	80513	80513	130	150	41	6.5	753	10.0	6.1	54
08...	0726	80513	80513	140	150	42	6.5	753	9.5	5.3	47
08...	0727	80513	80513	150	150	43	6.5	753	9.5	4.8	43

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
08...	0700	4.70	2	--	--	--	--	--	--
08...	0705	--	--	5	0.54	0.5	14	4.1	0.90
08...	0722	--	--	10	1.8	0.5	15	4.5	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	0701	--	--	--	--	--	--	0.500	<0.100
08...	0705	12	<0.010	<0.020	<0.010	0.010	0.010	--	--
08...	0722	11	<0.010	0.190	0.010	0.060	<0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
SEP											
03...	1130	80513	80513	0.0	149	39	6.8	758	26.5	7.8	98
03...	1131	80513	80513	10.0	149	39	6.8	758	26.5	7.8	98
03...	1132	80513	80513	20.0	149	39	6.8	758	26.5	7.8	97
03...	1133	80513	80513	26.0	149	39	6.5	758	26.0	7.3	90
03...	1134	80513	80513	30.0	149	39	6.3	758	25.0	7.0	85
03...	1135	80513	80513	31.0	149	39	6.1	758	23.5	6.3	75
03...	1136	80513	80513	33.0	149	39	6.0	758	22.5	5.1	59
03...	1137	80513	80513	34.0	149	39	6.0	758	21.5	4.5	52
03...	1138	80513	80513	36.0	149	39	5.9	758	20.5	3.4	38
03...	1139	80513	80513	38.0	149	39	5.8	758	19.5	2.8	30
03...	1140	80513	80513	40.0	149	39	5.8	758	19.0	2.6	29
03...	1141	80513	80513	43.0	149	39	5.8	758	18.0	2.2	23
03...	1142	80513	80513	46.0	149	39	5.8	758	17.0	2.1	22
03...	1143	80513	80513	50.0	149	39	5.8	758	16.5	2.5	26
03...	1144	80513	80513	60.0	149	39	5.9	758	15.5	3.9	39
03...	1145	80513	80513	65.0	149	40	6.0	758	14.5	4.6	45
03...	1146	80513	80513	70.0	149	40	6.1	758	14.0	5.0	49
03...	1147	80513	80513	80.0	149	41	6.2	758	13.5	5.8	56
03...	1148	80513	80513	90.0	149	42	6.3	758	12.5	6.4	60
03...	1149	80513	80513	100	149	41	6.3	758	11.5	6.5	60
03...	1150	80513	80513	110	149	40	6.3	758	11.0	6.1	56
03...	1151	80513	80513	120	149	41	6.3	758	10.5	5.3	48
03...	1152	80513	80513	130	149	44	6.3	758	10.0	4.3	38
03...	1153	80513	80513	140	149	43	6.3	758	10.0	3.5	31
03...	1154	80513	80513	149	149	44	6.3	758	10.0	3.0	26

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
SEP											
19...	1140	80513	80513	0.0	147	35	7.1	758	26.5	8.3	104
19...	1141	80513	80513	10.0	147	35	7.2	758	26.5	8.2	102
19...	1142	80513	80513	20.0	147	35	7.2	758	26.5	8.0	101
19...	1143	80513	80513	30.0	147	35	7.1	758	26.5	6.9	86
19...	1144	80513	80513	31.0	147	35	6.5	758	23.0	3.9	45
19...	1145	80513	80513	32.0	147	35	6.4	758	21.5	2.8	32
19...	1146	80513	80513	35.0	147	35	6.4	758	20.5	2.2	25
19...	1147	80513	80513	37.0	147	34	6.3	758	19.5	1.9	20
19...	1148	80513	80513	40.0	147	34	6.3	758	18.5	1.2	13
19...	1149	80513	80513	45.0	147	34	6.3	758	17.5	1.2	13
19...	1150	80513	80513	50.0	147	34	6.3	758	17.0	1.4	15
19...	1151	80513	80513	55.0	147	35	6.3	758	16.0	2.4	24
19...	1152	80513	80513	60.0	147	35	6.3	758	15.0	3.0	30
19...	1153	80513	80513	65.0	147	35	6.4	758	14.5	3.9	39
19...	1154	80513	80513	70.0	147	35	6.4	758	14.0	4.5	43
19...	1155	80513	80513	80.0	147	36	6.4	758	13.0	5.0	48
19...	1156	80513	80513	90.0	147	36	6.5	758	12.0	5.9	55
19...	1157	80513	80513	100	147	36	6.5	758	11.5	6.0	55
19...	1158	80513	80513	110	147	36	6.5	758	11.0	5.5	50
19...	1159	80513	80513	120	147	36	6.4	758	10.5	4.6	42
19...	1200	80513	80513	130	147	37	6.4	758	10.0	3.3	30
19...	1201	80513	80513	140	147	38	6.3	758	10.0	2.7	23
19...	1202	80513	80513	147	147	38	6.3	758	9.5	1.9	17

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
SEP											
30...	1210	80513	80513	0.0	146	36	8.2	755	24.0	7.8	93
30...	1211	80513	80513	10.0	146	42	8.1	755	23.0	7.7	90
30...	1212	80513	80513	20.0	146	42	8.0	755	23.0	7.5	88
30...	1213	80513	80513	30.0	146	42	7.9	755	23.0	7.5	87
30...	1214	80513	80513	36.0	146	35	7.3	755	22.0	4.6	53
30...	1215	80513	80513	38.0	146	35	7.0	755	21.5	1.6	19
30...	1216	80513	80513	40.0	146	35	6.9	755	20.0	1.1	12
30...	1217	80513	80513	41.0	146	35	6.8	755	19.5	0.8	9
30...	1218	80513	80513	43.0	146	35	6.8	755	18.5	0.6	7
30...	1219	80513	80513	46.0	146	34	6.8	755	17.5	0.9	10
30...	1220	80513	80513	50.0	146	35	6.8	755	16.5	1.2	13
30...	1221	80513	80513	55.0	146	35	6.8	755	16.0	2.3	24
30...	1222	80513	80513	60.0	146	36	6.8	755	15.0	3.2	32
30...	1223	80513	80513	65.0	146	36	6.8	755	14.5	3.6	36
30...	1224	80513	80513	65.0	146	36	6.8	755	14.5	3.6	36
30...	1225	80513	80513	70.0	146	38	6.9	755	14.0	4.3	42
30...	1226	80513	80513	80.0	146	37	6.9	755	13.0	5.2	50
30...	1227	80513	80513	100	146	37	7.0	755	11.5	5.7	53
30...	1228	80513	80513	110	146	36	7.0	755	11.0	4.9	45
30...	1229	80513	80513	120	146	37	6.9	755	10.5	4.1	37
30...	1230	80513	80513	130	146	37	6.9	755	10.0	2.8	25
30...	1231	80513	80513	140	146	38	6.8	755	10.0	2.3	20
30...	1232	80513	80513	146	146	40	6.8	755	9.5	1.8	16

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARKANSAS

LOCATION.--Lat 35°31'02", long 91°59'50", in NE¼ sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi².

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71, May to September 1991.
DISSOLVED OXYGEN: May to September 1991.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
NOV								
19...	0855	80513	46	7.1	757	12.0	8.7	81
MAR								
18...	1030	80513	53	7.8	759	9.5	11.5	101

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN									
19...	1000	80513	81213	43	6.9	763	12.5	10.0	93

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN								
19...	1000	34	5	0.90	0.9	16	4.9	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN							
19...	1000	13	<0.010	0.180	0.030	0.060	0.020

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL								
02...	1045	80513	40	6.6	756	11.5	8.5	78

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUL									
22...	1545	80513	80513	5.00	10.0	12.0	11.0	8.7	760
22...	1548	80513	80513	5.25	10.5	36.0	11.0	8.6	760
22...	1550	80513	80513	5.00	10.0	60.0	11.0	8.6	760
22...	1552	80513	80513	5.50	11.0	84.0	11.0	8.7	760
22...	1554	80513	80513	5.50	11.0	108	11.0	8.6	760
22...	1556	80513	80513	5.50	11.0	132	11.5	8.8	760
22...	1558	80513	80513	5.00	10.0	156	11.5	8.6	760
22...	1600	80513	80513	5.00	10.0	180	11.5	8.6	760
22...	1603	80513	80513	4.00	8.00	204	11.5	8.7	760
22...	1605	80513	80513	3.50	7.00	228	12.0	8.9	760
AUG									
05...	1330	80513	80513	1.00	2.00	11.0	10.5	8.2	756
05...	1333	80513	80513	3.00	6.00	33.0	10.5	9.0	756
05...	1336	80513	80513	3.00	6.00	55.0	10.5	9.0	756
05...	1340	80513	80513	3.00	6.00	77.0	10.5	9.0	756
05...	1343	80513	80513	4.00	8.00	99.0	10.5	9.0	756
05...	1346	80513	80513	3.00	6.00	121	10.5	9.0	756
05...	1350	80513	80513	3.00	6.00	143	10.5	9.0	756
05...	1353	80513	80513	2.50	5.00	165	11.0	8.8	756
05...	1356	80513	80513	2.00	4.00	187	11.0	8.6	756
05...	1400	80513	80513	2.00	4.00	209	11.0	8.6	756

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG									
08...	0800	80513	81213	52	6.9	758	12.5	9.3	88

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG								
08...	0800	74	5	2.4	1.1	16	4.7	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
AUG							
08...	0800	11	<0.010	0.220	0.050	0.050	0.020

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG								
21...	1525	80513	43	6.4	752	11.0	11.0	101

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
SEP							
03.	1145	80513	80513	0.50	1.00	11.0	--
03.	1147	80513	80513	1.00	2.00	33.0	--
03.	1149	80513	80513	1.00	2.00	55.0	--
03.	1152	80513	80513	1.50	3.00	77.0	--
03.	1154	80513	80513	1.00	2.00	99.0	--
03.	1156	80513	80513	1.00	2.00	121	--
03.	1158	80513	80513	0.50	1.00	143	--
03.	1200	80513	80513	0.50	1.00	165	--
03.	1202	80513	80513	0.50	1.00	187	--
03.	1204	80513	80513	0.50	1.00	209	--
03.	1510	80513	80513	--	--	--	43
19.	1200	80513	80513	4.50	9.00	11.0	--
19.	1202	80513	80513	4.00	8.00	33.0	--
19.	1204	80513	80513	4.50	9.00	55.0	--
19.	1206	80513	80513	4.00	8.00	77.0	--
19.	1208	80513	80513	3.50	7.00	99.0	--
19.	1210	80513	80513	4.00	8.00	121	--
19.	1212	80513	80513	3.50	7.00	143	--
19.	1214	80513	80513	3.00	6.00	165	--
19.	1216	80513	80513	2.50	5.00	187	--
19.	1218	80513	80513	2.00	4.00	209	--
19.	1240	80513	80513	--	--	--	37

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
SEP						
03.	1145	--	11.5	6.4	--	756
03.	1147	--	11.5	6.3	--	756
03.	1149	--	11.5	6.4	--	756
03.	1152	--	11.0	6.5	--	756
03.	1154	--	11.5	6.6	--	756
03.	1156	--	11.5	6.6	--	756
03.	1158	--	11.5	6.7	--	756
03.	1200	--	12.0	6.9	--	756
03.	1202	--	12.0	6.9	--	756
03.	1204	--	12.5	7.1	--	756
03.	1510	6.4	13.0	7.0	67	756
19.	1200	--	11.5	7.1	--	763
19.	1202	--	11.5	7.1	--	763
19.	1204	--	11.5	7.0	--	763
19.	1206	--	11.5	7.0	--	763
19.	1208	--	11.5	7.0	--	763
19.	1210	--	11.0	7.0	--	763
19.	1212	--	11.0	7.0	--	763
19.	1214	--	11.0	7.1	--	763
19.	1216	--	11.5	7.0	--	763
19.	1218	--	11.5	7.0	--	763
19.	1240	6.7	11.5	7.1	64	763

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
SEP									
30...	1500	80513	80513	37	6.9	760	11.5	5.2	48

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	11.8	8.6	9.3
4	---	---	---	---	---	---	---	---	---	12.8	8.6	9.6
5	---	---	---	---	---	---	---	---	---	14.4	8.8	10.2
6	---	---	---	---	---	---	---	---	---	9.4	3.7	8.4
7	---	---	---	---	---	---	---	---	---	9.1	6.5	8.6
8	---	---	---	---	---	---	---	---	---	10.5	8.7	9.1
9	---	---	---	---	---	---	---	---	---	13.0	8.8	9.6
10	---	---	---	---	---	---	---	---	---	13.7	8.9	10.0
11	---	---	---	---	---	---	---	---	---	9.2	9.0	9.0
12	---	---	---	---	---	---	---	---	---	9.2	8.8	9.0
13	---	---	---	---	---	---	---	---	---	9.1	8.8	9.0
14	---	---	---	---	---	---	---	---	---	9.2	8.8	9.0
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	12.4	8.9	9.8
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	14.6	12.2	14.0
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	13.6	9.6	10.1
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	11.4	10.5	11.1	12.0	11.0	11.6	14.4	11.3	12.1
2	---	---	---	11.3	10.5	11.0	12.6	10.9	11.6	12.6	11.5	12.0
3	---	---	---	11.5	10.6	11.1	14.2	11.0	11.8	13.6	11.4	12.1
4	12.3	10.1	10.5	11.3	10.5	11.0	14.8	10.9	11.9	13.9	11.3	12.2
5	14.3	10.0	11.2	11.4	10.5	11.1	13.0	11.0	11.8	13.3	11.6	12.1
6	14.1	10.1	11.1	11.4	10.5	11.0	12.5	11.5	12.1	13.2	11.3	12.0
7	---	---	---	11.5	10.6	11.1	13.4	11.6	12.1	15.2	11.3	12.4
8	---	---	---	11.4	10.6	11.1	13.8	11.3	12.1	14.4	11.3	12.2
9	11.8	10.2	11.0	12.7	10.2	11.2	14.8	11.3	12.2	13.9	11.3	12.0
10	11.8	10.4	11.4	12.9	10.8	11.4	13.1	11.8	12.2	15.3	12.0	12.9
11	---	---	---	11.5	10.6	11.1	13.4	11.5	12.2	14.8	12.0	12.6
12	---	---	---	11.9	10.6	11.2	13.8	11.0	11.9	15.1	12.1	12.7
13	---	---	---	11.6	10.7	11.2	12.7	11.0	11.7	13.7	12.0	12.4
14	---	---	---	11.6	10.7	11.2	14.8	10.9	12.0	14.9	12.0	12.6
15	---	---	---	11.4	10.6	11.1	13.9	11.0	11.9	14.1	12.1	12.7
16	14.8	11.1	12.4	11.7	10.6	11.2	13.9	11.0	11.9	14.4	12.2	12.7
17	---	---	---	11.8	11.0	11.6	13.5	11.3	12.0	13.0	12.1	12.4
18	---	---	---	11.8	11.0	11.6	15.0	11.2	12.1	13.7	11.5	12.4
19	12.5	10.5	11.1	11.8	10.8	11.5	14.8	11.0	12.1	13.0	11.2	12.0
20	11.2	10.5	10.9	14.5	10.9	11.8	14.3	10.9	11.8	14.0	11.4	12.3
21	12.5	10.6	11.1	14.8	10.7	11.9	12.4	11.1	11.5	14.9	11.6	12.5
22	11.3	10.3	10.9	12.6	10.8	11.5	13.4	11.1	11.8	13.9	11.6	12.4
23	12.0	10.5	11.1	12.1	11.0	11.6	13.7	11.1	11.9	13.8	11.7	12.3
24	12.4	10.5	11.0	11.9	11.1	11.5	14.0	11.1	11.8	12.7	11.4	11.9
25	13.3	10.5	11.1	12.0	11.0	11.4	14.2	11.0	12.0	14.3	11.1	12.1
26	11.2	10.4	10.9	14.4	10.9	11.7	12.3	11.3	11.8	14.2	11.1	12.2
27	11.2	10.4	10.8	13.2	10.8	11.5	12.4	11.3	11.9	14.4	10.9	12.0
28	11.2	10.4	10.9	12.0	10.8	11.2	12.2	11.4	11.8	14.4	11.1	12.3
29	11.2	10.3	10.9	11.7	10.7	11.3	13.3	11.3	12.0	14.4	11.1	12.1
30	11.2	10.4	10.9	11.8	11.3	11.5	12.8	11.4	11.9	---	---	---
31	---	---	---	12.0	10.7	11.5	13.3	11.5	12.1	---	---	---
MONTH	---	---	---	14.8	10.2	11.3	15.0	10.9	11.9	---	---	---

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARKANSAS--CONTINUED

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	11.1	8.3	9.7
8	---	---	---	---	---	---	---	---	---	12.8	8.4	10.4
9	---	---	---	---	---	---	---	---	---	9.9	7.8	8.7
10	---	---	---	---	---	---	---	---	---	9.8	7.9	8.4
11	---	---	---	---	---	---	---	---	---	10.1	7.6	9.2
12	---	---	---	---	---	---	---	---	---	11.1	7.8	9.0
13	---	---	---	---	---	---	---	---	---	11.1	7.4	8.8
14	---	---	---	---	---	---	---	---	---	10.8	8.0	9.7
15	---	---	---	---	---	---	---	---	---	10.0	7.8	9.1
16	---	---	---	---	---	---	---	---	---	10.2	8.0	9.0
17	---	---	---	---	---	---	---	---	---	10.3	7.6	8.6
18	---	---	---	---	---	---	---	---	---	8.8	7.4	8.3
19	---	---	---	---	---	---	---	---	---	10.0	7.7	8.4
20	---	---	---	---	---	---	---	---	---	9.4	7.2	8.2
21	---	---	---	---	---	---	---	---	---	10.3	8.1	8.9
22	---	---	---	---	---	---	---	---	---	10.2	7.2	8.4
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	10.9	9.2	10.0
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	10.7	7.9	9.3

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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

07076620 LITTLE RED RIVER NEAR SEARCY, ARKANSAS

LOCATION.--Lat 35°16'57", long 91°43'09", in NE¼NE¼ sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy, and at mile 31.7.

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

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

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft above National Geodetic Vertical Datum of 1929. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

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

AVERAGE DISCHARGE.--8 years, 2,656 ft^3/s, 1,924,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,300 ft^3/s Nov. 27, 1984; maximum gage height, 39.14 ft Dec. 22, 1990; no flow at times, caused by backwater from White River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,600 ft^3/s Dec. 21; maximum gage height; 39.14 ft, Dec. 22; no flow Feb. 14, caused by backwater from White River.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	531	191	946	3360	8200	749	4940	3790	3000	3650	3750	588
2	1200	170	790	4530	8230	1940	5220	3380	3310	3440	4080	373
3	1140	343	1610	4890	8200	1500	5490	3480	3190	3210	3440	395
4	934	436	2370	4530	8150	1540	7110	2440	4440	3520	852	523
5	432	542	1890	4320	5700	918	8230	2740	4890	3650	504	1180
6	443	497	987	18300	5270	940	6640	2940	4470	3540	1270	1250
7	1190	637	787	19900	5150	1940	5970	2390	4700	3730	2920	538
8	4770	2010	667	8130	4550	2570	5570	2500	3920	3580	1810	387
9	8160	1090	587	5200	3690	2110	5530	2560	3710	3520	714	399
10	8090	964	526	7320	851	1890	5950	2360	3360	3540	422	687
11	4340	676	1080	10800	848	1340	6200	3620	3450	3350	285	676
12	1000	420	558	8540	693	1860	10400	2440	3380	3380	242	2070
13	723	391	413	5270	103	2080	16800	3230	3380	3370	264	1540
14	752	553	1860	4180	.00	1800	20800	1710	3710	3480	281	2070
15	386	328	1640	4070	2250	2300	9420	2670	3460	3460	256	805
16	1290	277	787	5300	3670	2690	5860	4370	3500	3510	416	478
17	1350	450	682	4050	3290	2180	2970	3010	3360	4840	610	712
18	1660	490	8150	3900	3490	690	9160	2890	3250	5460	365	927
19	1500	261	7590	3580	3660	767	6060	2600	2830	4830	239	375
20	778	221	5250	3680	3100	752	1760	2550	3080	4550	342	635
21	423	207	18800	3720	3030	1790	1810	2850	3450	763	624	368
22	525	251	25700	4300	2660	969	4490	2940	3520	737	436	215
23	795	434	13400	4170	1900	3450	2450	2780	3590	3460	1810	213
24	645	1250	5080	4890	511	5460	2200	3320	3400	3310	1950	363
25	386	713	4350	5460	1910	4620	1960	4360	3470	1360	539	246
26	410	368	5600	5520	4240	4420	1830	3430	3350	1040	534	209
27	288	510	7450	5670	3170	4580	8410	3550	3590	800	2210	207
28	236	3400	7280	6470	736	4270	7810	3010	3510	521	2560	189
29	213	2830	8850	7820	---	4660	10400	3570	3630	378	1340	233
30	300	1370	17200	8290	---	4830	6570	3090	3670	2280	946	232
31	329	---	12700	8270	---	5170	---	3090	---	3320	2110	---
TOTAL	45219	22280	165580	198430	97252.00	76775	198010	93660	107570	93579	38121	19083
MEAN	1459	743	5341	6401	3473	2477	6600	3021	3586	3019	1230	636
MAX	8160	3400	25700	19900	8230	5460	20800	4370	4890	5460	4080	2070
MIN	213	170	413	3360	.00	690	1760	1710	2830	378	239	189
AC-FT	89690	44190	328400	393600	192900	152300	392800	185800	213400	185600	75610	37850

CAL YR 1990 TOTAL 1312673 MEAN 3596 MAX 25700 MIN 5.0 AC-FT 2604000
WTR YR 1991 TOTAL 1155559.00 MEAN 3166 MAX 25700 MIN .00 AC-FT 2292000

07076626 LITTLE RED RIVER ABOVE SEARCY, ARKANSAS

LOCATION.--Lat 35°16'12", long 91°42'26", in SE¼.SW¼. sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1,200 ft downstream from lower dam at bridge on State Highway 367 at Searcy.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
10...	0830	9827	9827	8090	--	6.8	15.0	7.7	1.1
NOV									
06...	0815	9827	9827	--	508	7.3	12.0	9.5	1.4
DEC									
04...	0845	9827	9827	--	1720	7.2	8.0	10.7	0.7
FEB									
06...	0815	9827	9827	5270	--	7.2	8.0	10.9	0.6
MAR									
27...	0820	9827	9827	4580	--	7.2	13.0	10.4	0.4
APR									
03...	0845	9827	9827	5490	--	7.1	10.0	10.9	0.7
MAY									
01...	1015	9827	9827	3790	--	7.0	15.0	9.6	0.9
JUN									
12...	0845	9827	9827	--	5180	7.2	14.0	9.9	1.2
JUL									
10...	0915	9827	9827	--	5480	7.2	16.0	9.4	0.7
AUG									
14...	0815	9827	9827	--	276	7.5	22.0	8.2	0.8
SEP									
04...	0830	9827	9827	--	367	7.2	20.0	8.4	1.0

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
10...	0830	12	5.0	3.1	40	26	0.290	--	0.52
NOV									
06...	0815	20	5.0	3.5	46	4	<0.020	<0.050	0.58
DEC									
04...	0845	12	6.0	3.4	47	10	0.190	<0.050	--
FEB									
06...	0815	16	4.0	2.1	19	7	0.130	<0.050	<0.20
MAR									
27...	0820	20	4.0	2.3	34	8	0.100	<0.050	<0.20
APR									
03...	0845	18	2.0	2.7	25	4	0.030	<0.050	0.38
MAY									
01...	1015	16	3.0	2.4	37	10	0.040	<0.050	0.40
JUN									
12...	0845	14	3.0	2.4	36	10	0.130	0.050	0.80
JUL									
10...	0915	16	2.0	2.3	31	8	0.110	<0.050	0.42
AUG									
14...	0815	16	2.0	2.2	29	4	0.060	0.050	0.50
SEP									
04...	0830	16	3.0	8.5	43	7	0.210	<0.050	0.57

07076626 LITTLE RED RIVER ABOVE SEARCY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT									
10...	0830	0.140	0.040	7.0	<0.5	<1	<25	<2	<8
NOV									
06...	0815	0.080	0.030	4.4	<0.5	--	<25	<2	--
DEC									
04...	0845	--	<0.030	3.1	<0.5	<1	<25	<2	<8
FEB									
06...	0815	0.040	<0.030	2.1	<0.5	--	<25	<2	--
MAR									
27...	0820	0.050	--	2.4	<0.5	<1	<25	<2	<8
APR									
03...	0845	0.040	<0.030	2.6	0.5	<1	<25	<2	<8
MAY									
01...	1015	0.030	<0.030	2.6	<0.5	--	<25	<2	--
JUN									
12...	0845	<0.030	<0.030	2.3	<0.5	<1	<25	<2	<8
JUL									
10...	0915	<0.030	<0.030	2.2	<0.5	<1	<25	<2	<8
AUG									
14...	0815	<0.030	<0.030	2.3	<0.5	<1	<25	<2	<8
SEP									
04...	0830	0.050	<0.030	3.8	<0.5	<1	<25	<2	<8

07076632 LITTLE RED RIVER BELOW SEARCY, ARKANSAS

LOCATION.--Lat 35°15'19", long 91°40'34", in SW¼SW¼ sec.5, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, at bridge on State Highway 367, 2.2 mi east of Searcy, and 3.0 mi west of Judsonia.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
10...	0900	9827	9827	8090	--	6.8	15.0	7.8	1.3
NOV									
06...	0845	9827	9827	--	508	7.0	12.0	9.3	2.4
DEC									
04...	0910	9827	9827	--	1720	7.1	8.0	10.7	2.7
FEB									
06...	0845	9827	9827	5270	--	7.2	8.0	10.9	1.0
MAR									
27...	0900	9827	9827	4580	--	7.2	13.0	10.3	1.4
APR									
03...	0915	9827	9827	5490	--	7.0	10.0	10.7	0.9
MAY									
01...	0945	9827	9827	3790	--	7.1	15.0	9.5	0.6
JUN									
12...	0815	9827	9827	--	5300	7.3	14.0	10.1	1.6
JUL									
10...	0930	9827	9827	--	5530	7.2	16.0	9.4	1.3
AUG									
14...	0830	9827	9827	--	276	7.4	22.0	7.5	1.5
SEP									
04...	0900	9827	9827	--	367	7.1	20.0	8.1	2.6

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
10...	0900	12	5.0	3.1	58	37	0.310	--	0.65
NOV									
06...	0845	16	7.0	4.0	42	5	<0.020	<0.050	0.73
DEC									
04...	0910	10	6.0	3.3	45	10	0.190	<0.050	--
FEB									
06...	0845	16	4.0	2.0	25	4	0.130	<0.050	0.20
MAR									
27...	0900	20	4.0	2.9	35	8	0.150	<0.050	<0.20
APR									
03...	0915	30	3.0	2.6	31	2	0.030	<0.050	0.31
MAY									
01...	0945	16	3.0	2.4	33	10	0.030	<0.050	0.41
JUN									
12...	0815	18	3.0	2.4	35	12	0.130	<0.050	0.84
JUL									
10...	0930	16	2.0	2.1	32	11	0.130	<0.050	0.40
AUG									
14...	0830	20	2.0	2.3	33	7	0.080	0.050	0.60
SEP									
04...	0900	16	3.0	8.4	36	7	0.200	<0.050	0.59

07076632 LITTLE RED RIVER BELOW SEARCY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT									
10...	0900	0.140	0.060	6.9	<0.5	<1	<25	<2	<8
NOV									
06...	0845	0.080	0.030	4.0	<0.5	--	<25	<2	--
DEC									
04...	0910	--	<0.030	3.0	<0.5	<1	<25	<2	<8
FEB									
06...	0845	0.030	<0.030	2.0	<0.5	--	<25	<2	--
MAR									
27...	0900	0.050	--	2.0	<0.5	<1	<25	<2	<8
APR									
03...	0915	0.040	<0.030	2.5	<0.5	<1	<25	<2	<8
MAY									
01...	0945	0.040	<0.030	2.8	<0.5	--	<25	<2	--
JUN									
12...	0815	0.030	<0.030	2.7	<0.5	<1	<25	<2	<8
JUL									
10...	0930	<0.030	<0.030	2.3	<0.5	<1	<25	<2	<8
AUG									
14...	0830	<0.030	0.030	2.7	<0.5	<1	<25	<2	<8
SEP									
04...	0900	0.050	<0.030	3.0	<0.5	<1	<25	<2	<8

07076750 WHITE RIVER AT GEORGETOWN, ARKANSAS

LOCATION.--Lat 35°07'45", long 91°27'00", in SW¼SW¼ 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.--22,387 mi^2.

PERIOD OF RECORD.--October 1990 to current year. Gage-height records since October 1912 are published in reports of National Weather Service. Annual peak stages and discharges for 1979 through 1990 water years are published in annual reports by the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 170.129 ft above National Geodetic Vertical Datum of 1929. October 16, 1912 to August 13, 1949, non-recording gage 1.2 mi downstream at approximately same datum. August 14, 1949 to August 14, 1978, non-recording gage at same site and datum. August 15, 1978 to September 28, 1983 recording gage 1000 ft upstream at same datum.

REMARKS.--Records fair. Some regulation since 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 1, 1949, reached a stage of 32.8 ft, at former site and at present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78,500 ft^3/s Apr. 23, gage height, 22.75; minimum daily, 5,850 ft^3/s Sept. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20200	10300	17600	62000	59900	24400	37900	73700	35000	26000	12900	11800
2	19900	10100	19500	62900	60100	24200	37700	72900	33500	26400	13300	11300
3	18300	10200	20400	63700	59700	23500	37100	73200	31900	26700	12800	10600
4	17400	10700	20700	64000	59700	22300	37300	73000	30000	27200	12900	9810
5	18200	10700	20000	64100	59500	20700	38200	71800	28800	28400	12800	9800
6	18500	10300	20300	66100	59100	19800	39000	69900	27600	29100	12200	10200
7	17600	9450	22000	71800	58200	19900	39200	67900	26700	29400	11900	10400
8	18500	9190	22100	75200	57400	19800	39500	65600	26400	29200	11300	9890
9	21900	10100	20800	74200	55700	18700	39900	63700	27000	29100	10000	9760
10	29600	10700	18900	74000	53200	19500	39800	61800	27100	28700	9760	10100
11	31500	11200	16700	75800	50100	19700	39700	59500	27200	28600	10100	10300
12	30700	11000	14600	76100	46800	19300	40300	57200	27400	28600	9550	10100
13	29800	10500	12900	75000	42600	18600	43100	54800	27900	28200	8650	11100
14	28100	9540	12100	74100	39400	17700	48400	52800	28500	27700	8000	11500
15	25800	8530	12300	73300	37800	17300	54200	50400	28400	27300	8110	11700
16	22800	8120	12100	72500	37300	20200	57300	49700	28100	26600	7890	11400
17	20200	9010	12400	70800	37300	22100	61200	48000	28100	26100	7940	10800
18	19500	10300	15100	69000	37400	20000	66300	45300	28000	25600	9770	10300
19	20900	11000	21400	66900	36400	17100	72800	43100	27500	24300	11400	9470
20	21200	11200	26200	65200	34700	15100	75000	40700	26200	22700	11800	8340
21	19900	10900	30800	e64000	33500	14000	76400	39500	24800	20800	11200	7710
22	18100	9930	40800	62400	33300	13800	77400	38800	23500	19400	9830	6950
23	15800	9260	48100	61100	31700	14400	77600	38200	23800	18500	8750	6440
24	14200	9610	50500	59900	29400	21700	76800	37800	25500	17200	9520	6220
25	15000	10900	50900	59300	29000	27500	76100	37300	27000	16100	10800	6130
26	15700	10200	51500	59000	28300	31300	73700	37300	26900	15300	11000	5970
27	14300	8990	52800	58700	26900	32700	73900	37200	26200	14200	10900	5860
28	12500	9040	54400	58600	25600	33900	75400	37300	25500	12800	10600	5850
29	11500	11200	55700	58900	---	35700	76200	37400	25000	11400	10300	5930
30	10800	14900	57200	59500	---	36700	75200	37100	25400	11500	10700	6010
31	10700	---	60200	59400	---	37400	---	36300	---	12500	11600	---
TOTAL	609100	307070	911000	2057500	1220000	699000	1702600	1609200	824900	715600	328270	271740
MEAN	19650	10240	29390	66370	43570	22550	56750	51910	27500	23080	10590	9058
MAX	31500	14900	60200	76100	60100	37400	77600	73700	35000	29400	13300	11800
MIN	10700	8120	12100	58600	25600	13800	37100	36300	23500	11400	7890	5850
AC-FT	1208000	609100	1807000	4081000	2420000	1386000	3377000	3192000	1636000	1419000	651100	539000

WTR YR 1991 TOTAL 11255980 MEAN 30840 MAX 77600 MIN 5850 AC-FT 22330000

e Estimated

07076950 WATTENSAW BAYOU NEAR HAZEN, ARKANSAS

LOCATION.--Lat 34°52'34", long 91°33'56", in SE¼SE¼ 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.

DRAINAGE AREA.--192 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0930	9827	9827	3370	6.9	17.0	5.2	2.3	30
NOV									
06.	0915	9827	9827	0.0	7.4	12.0	4.2	3.6	110
DEC									
19.	0900	9827	9827	2000	7.0	10.0	6.8	2.3	32
FEB									
13.	0900	9827	9827	880	7.3	12.0	7.5	1.4	36
MAR									
13.	0915	9827	9827	0.0	7.5	13.0	7.2	2.7	60
APR									
10.	0900	9827	9827	700	7.1	18.0	4.3	4.8	48
MAY									
01.	0900	9827	9827	3420	6.9	21.0	5.0	1.7	20
JUN									
12.	0913	9827	9827	830	7.5	25.0	3.8	3.1	100
JUL									
10.	0820	9827	9827	580	7.6	27.0	1.6	2.5	130
AUG									
14.	0900	9827	9827	60	7.7	22.0	1.3	1.8	170

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	0930	7.0	8.5	87	40	0.160	--	0.240
NOV								
06.	0915	7.0	64	233	--	<0.020	<0.050	0.120
DEC								
19.	0900	13	8.5	107	47	0.180	<0.050	0.220
FEB								
13.	0900	--	7.2	87	14	0.150	0.070	--
MAR								
13.	0915	12	13	125	22	0.260	<0.050	0.170
APR								
10.	0900	11	6.9	137	76	0.150	0.060	0.230
MAY								
01.	0900	5.0	3.4	76	--	0.030	0.080	0.110
JUN								
12.	0913	9.0	22	186	68	0.700	0.140	0.210
JUL								
10.	0820	5.0	25	207	26	0.230	0.110	0.220
AUG								
14.	0900	12	32	260	10	0.040	0.160	0.130

07076950 WATTENSAW BAYOU NEAR HAZEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0930	0.120	11	<0.5	<1	<25	<2	<8
NOV								
06.	0915	<0.030	14	<0.5	<1	<25	<2	<8
DEC								
19.	0900	0.100	12	--	<1	26	<2	40
FEB								
13.	0900	0.040	8.8	<0.5	<1	<25	<2	<8
MAR								
13.	0915	0.080	--	<0.5	<1	<25	<2	<8
APR								
10.	0900	0.110	15	<0.5	<1	<25	<2	14
MAY								
01.	0900	0.080	8.3	<0.5	<1	<25	<2	<8
JUN								
12.	0913	0.070	--	<0.5	<1	<25	<2	--
JUL								
10.	0820	0.140	--	<0.5	<1	<25	<2	<8
AUG								
14.	0900	0.080	7.3	<0.5	<1	<25	<2	--

07077000 WHITE RIVER AT DEVALLS BLUFF, ARKANSAS

LOCATION.--Lat 34°47'25", long 91°26'45", in SE¼ sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,431 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 152.93 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 22, 1933, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--24 years (water years, 1949-70, 1989-91), 26,580 ft³/s, 19,260,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 154,000 ft³/s Jan. 19-22, 1950; maximum gage height, 28.42 ft Jan. 20, 21, 1950; minimum discharge, 3,230 ft³/s Sept. 29 to Oct. 1, Oct. 29, 1954.

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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99,600 ft³/s Apr. 29, gage height, 25.65; minimum, 6,530 ft³/s Sept. 28-29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18100	12000	15500	57300	54900	31000	39000	94700	40400	27500	e12400	12900
2	18900	11600	17800	58800	55100	30500	39700	90400	39500	27500	e12900	13100
3	18700	11400	19700	60800	55100	29600	40000	87400	38500	27700	e13200	12800
4	17800	11400	20900	61900	55100	28100	40500	84800	37200	27800	e13400	12200
5	17300	11600	21000	62500	55500	26000	40700	83300	35600	28200	e13300	11800
6	17500	11600	20700	67800	55700	24000	41100	79900	34000	29100	e13200	11800
7	17600	11200	21500	77200	55500	22600	41500	76500	32400	30000	e12800	11700
8	17300	10700	22700	82700	55000	22100	42600	72700	31000	30300	e12000	11700
9	20600	10600	22600	87900	54500	21200	43300	68900	30200	30400	e10600	11400
10	29200	11100	21200	90900	54000	20200	44300	65500	30000	30200	e10200	11200
11	34600	11600	19200	91400	53100	20200	44400	62100	29900	30000	e9800	11200
12	36300	11800	17200	90100	51800	20100	45400	59100	30200	29900	e9600	11200
13	36500	11700	15500	87800	50400	19500	47100	56600	30500	29800	e9400	11200
14	35900	11400	14100	85500	48600	18600	50000	54600	31100	29600	e9000	11700
15	34400	10700	13500	83700	46700	17500	53400	52700	31300	29300	e8400	12100
16	31800	9840	13300	81500	44800	17800	56500	51800	31300	28700	e8000	12200
17	28100	9480	13500	78900	43600	20000	59800	50300	31400	27900	e8100	12000
18	24500	10100	16100	76300	42900	21100	63400	49200	31000	27300	e8700	11700
19	22900	11000	20500	73300	42800	19500	68400	48100	30800	26400	e10800	11400
20	22600	11500	25500	70000	42100	17200	74500	46900	30100	25000	11500	10600
21	22100	11700	31300	67000	41000	15600	78700	45700	28800	23200	11800	9700
22	20900	11500	38500	63700	40200	14700	80800	44600	26900	21000	11600	8930
23	18900	10900	43200	61200	39700	14200	81700	43500	25300	e19500	10800	8180
24	17000	10400	46300	59400	38200	15300	82500	42800	25400	e18200	10000	7510
25	15900	10800	48400	57900	36600	20700	82600	42200	27200	e16800	10500	7150
26	16100	11300	50300	56800	35300	26500	81700	41800	28700	e15700	11300	e6890
27	16000	11000	52300	56100	33900	30500	82000	41300	29100	e14300	11600	e6710
28	14900	10800	53700	55600	32200	32900	89000	41200	29100	e13200	11700	6570
29	13800	11900	54200	55100	---	35100	97500	41200	28700	e12000	11600	6550
30	13000	13300	55400	55000	---	36800	97600	41000	27800	e11900	11700	6620
31	12400	---	56700	54900	---	38000	---	40800	---	e12000	12400	---
TOTAL	681600	335920	902300	2169000	1314300	727100	1829700	1801600	933400	750400	342300	310710
MEAN	21990	11200	29110	69970	46940	23450	60990	58120	31110	24210	11040	10360
MAX	36500	13300	56700	91400	55700	38000	97600	94700	40400	30400	13400	13100
MIN	12400	9480	13300	54900	32200	14200	39000	40800	25300	11900	8000	6550
AC-FT	1352000	666300	1790000	4302000	2607000	1442000	3629000	3573000	1851000	1488000	679000	616300

CAL YR 1990 TOTAL 12750220 MEAN 34930 MAX 77800 MIN 5070 AC-FT 25290000
WTR YR 1991 TOTAL 12098330 MEAN 33150 MAX 97600 MIN 6550 AC-FT 24000000

e Estimated

07077000 WHITE RIVER AT DEVALLS BLUFF, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
09.	0900	9827	9827	--	19600	7.9	17.0	7.5	1.8
NOV									
06.	0845	9827	9827	--	11600	8.3	14.0	10.1	1.8
DEC									
19.	0830	9827	9827	--	19800	7.9	11.0	9.6	1.5
FEB									
13.	0830	9827	9827	--	50600	8.1	11.0	10.6	1.0
MAR									
13.	0845	9827	9827	--	19600	8.3	12.0	11.0	0.6
APR									
10.	0830	9827	9827	--	44400	7.9	18.0	8.3	0.8
MAY									
01.	0815	9827	9827	--	95000	7.6	20.0	6.8	1.0
JUN									
12.	0845	9827	9827	--	30300	8.1	22.0	8.7	1.8
JUL									
10.	0755	9827	9827	--	30300	8.3	23.0	8.6	0.8
AUG									
13.	0836	9827	9827	9400	--	8.5	23.0	7.6	1.6

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	0900	98	6.0	6.7	125	78	0.260	--	0.140
NOV									
06.	0845	150	6.0	5.4	159	--	<0.020	0.090	0.120
DEC									
19.	0830	120	9.0	4.9	143	3	0.330	0.050	0.180
FEB									
13.	0830	120	--	3.4	127	24	0.170	<0.050	--
MAR									
13.	0845	140	6.0	3.5	151	24	0.110	<0.050	0.080
APR									
10.	0830	100	8.0	3.0	125	34	0.090	<0.050	0.090
MAY									
01.	0815	74	5.0	3.0	103	--	<0.020	<0.050	0.070
JUN									
12.	0845	130	5.0	3.9	141	62	0.190	0.050	0.150
JUL									
10.	0755	140	5.0	4.2	145	72	0.200	<0.050	0.100
AUG									
13.	0836	160	5.0	4.6	172	37	0.040	0.050	0.080

07077000 WHITE RIVER AT DEVALLS BLUFF, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0900	0.050	4.5	<0.5	<1	<25	<2	<8
NOV								
06.	0845	<0.030	4.8	<0.5	<1	<25	<2	15
DEC								
19.	0830	0.030	5.4	--	<1	<25	<2	16
FEB								
13.	0830	<0.030	4.4	<0.5	<1	<25	<2	<8
MAR								
13.	0845	0.040	--	<0.5	<1	<25	<2	<8
APR								
10.	0830	0.030	4.8	<0.5	<1	<25	<2	<8
MAY								
01.	0815	<0.030	5.4	<0.5	<1	<25	<2	<8
JUN								
12.	0845	0.050	--	<0.5	<1	<25	<2	--
JUL								
10.	0755	0.050	--	<0.5	<1	<25	<2	<8
AUG								
13.	0836	0.080	2.9	<0.5	<1	<25	<2	--

07077380 CACHE RIVER AT EGYPT, ARKANSAS

LOCATION.--Lat 35°51'28", long 90°56'00", in NW¼SE¼ sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi^2.

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

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

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

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

AVERAGE DISCHARGE.--27 years, 863 ft^3/s, 16.72 in/yr, 625,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s Jan. 6, 1966, gage height, 21.88 ft; no flow Nov. 6-11, 16, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,220 ft^3/s Dec. 23, gage height, 20.90 ft; minimum daily 1.2 ft^3/s Nov. 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	11	1130	5900	812	150	1190	4100	113	102	235	1440
2	184	7.3	516	5780	728	703	794	3960	88	93	229	922
3	205	6.9	535	5550	607	618	532	3750	70	93	205	580
4	491	5.2	731	5080	500	281	1980	3500	53	104	210	458
5	964	5.4	480	4820	426	145	2870	3220	123	131	200	888
6	929	13	282	5320	717	108	2820	2640	78	125	181	1300
7	876	18	171	5960	1170	90	2170	1550	54	115	178	1100
8	2000	16	111	6010	977	75	975	823	37	102	250	823
9	3200	14	72	5950	572	47	375	494	32	90	370	629
10	3780	12	50	6030	292	42	210	383	39	92	553	711
11	3870	14	37	6080	184	30	130	298	45	96	617	661
12	3840	9.9	34	5970	138	25	618	588	167	95	460	511
13	3760	5.9	28	5740	479	29	2680	2110	603	219	334	367
14	3620	4.5	25	5400	1930	39	3810	2790	600	318	270	284
15	3410	3.6	41	5130	2050	39	4160	2650	596	270	234	223
16	2840	2.7	71	4940	1400	27	4200	2260	669	204	243	182
17	1390	1.9	282	4720	575	25	4160	2060	420	164	267	152
18	960	1.5	2930	4500	320	27	4320	1940	223	148	478	136
19	632	1.2	3570	4320	298	23	4660	1560	138	152	660	133
20	326	1.2	3610	4100	284	25	4690	1790	101	159	564	143
21	184	1.4	4170	3870	219	25	4600	2140	157	259	429	119
22	194	53	5540	3600	161	320	4440	1620	205	281	335	98
23	244	164	6160	3340	117	2290	4250	951	519	228	293	82
24	164	134	6050	3020	84	2770	4000	617	847	346	275	91
25	103	88	6140	2470	66	2830	3720	1030	833	640	262	120
26	62	68	5970	1980	52	2770	3410	1310	481	589	262	136
27	38	64	5780	1640	53	2630	3390	806	282	427	309	116
28	37	1730	5500	1380	44	2400	3590	418	204	310	458	95
29	32	2450	5410	1200	---	2150	4000	271	160	261	1490	76
30	20	2050	5880	1040	---	1950	4160	197	120	257	2020	57
31	13	---	5960	893	---	1650	---	152	---	255	1930	---
TOTAL	38480	6957.6	77266	131733	15255	24333	86904	51978	8057	6725	14801	12633
MEAN	1241	232	2492	4249	545	785	2897	1677	269	217	477	421
MAX	3870	2450	6160	6080	2050	2830	4690	4100	847	640	2020	1440
MIN	13	1.2	25	893	44	23	130	152	32	90	178	57
AC-FT	76330	13800	153300	261300	30260	48260	172400	103100	15980	13340	29360	25060
CFSM	1.77	.33	3.56	6.06	.78	1.12	4.13	2.39	.38	.31	.68	.60
IN.	2.04	.37	4.10	6.99	.81	1.29	4.61	2.76	.43	.36	.79	.67

CAL YR 1990 TOTAL 384850.6 MEAN 1054 MAX 6160 MIN 1.2 AC-FT 763400 CFSM 1.50 IN. 20.42
WTR YR 1991 TOTAL 475122.6 MEAN 1302 MAX 6160 MIN 1.2 AC-FT 942400 CFSM 1.86 IN. 25.21

07077500 CACHE RIVER AT PATTERSON, ARKANSAS

LOCATION.--Lat 35°16'10", long 91°14'15", in SE¼ sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi².

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

COOPERATION.--Additional records were furnished by Ouachita Baptist University, Arkadelphia, Arkansas.

REMARKS.--Discharge computed by U. S. Geological Survey.

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: April 1987 to September 1990.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 606 mg/L May 7, 1987; minimum daily mean, 19 mg/L December 20, 1989.
SEDIMENT LOADS: Maximum daily, 3,240 tons, December 26, 1987; minimum daily, .23 tons, December 20, 1989.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
31...	0820	80513	80020	--	--	--	170	7.1	10.0	6.6	58
DEC											
03...	0845	80513	80020	--	--	--	149	7.3	10.0	6.9	62
FEB											
05...	0800	80513	80020	--	--	--	67	7.3	6.0	10.5	84
APR											
02...	0825	80513	80020	--	--	--	73	6.7	14.0	7.9	76
02...	0830	80513	80513	236	1.50	3.00	74	6.9	14.0	8.8	85
02...	0832	80513	80513	269	1.00	5.00	73	6.7	14.0	8.1	78
02...	0833	80513	80513	269	4.00	5.00	73	6.7	14.0	8.2	79
02...	0835	80513	80513	302	2.00	4.00	72	6.7	14.0	7.9	76
02...	0837	80513	80513	335	2.00	4.00	72	6.7	14.0	7.9	76
02...	0839	80513	80513	566	1.50	8.00	72	6.7	14.0	7.9	76
02...	0840	80513	80513	566	6.50	8.00	72	6.6	14.0	7.9	76
02...	0841	80513	80513	599	2.50	12.0	72	6.6	14.0	7.9	76
02...	0842	80513	80513	599	9.50	12.0	72	6.6	14.0	7.9	76
02...	0844	80513	80513	632	1.50	8.00	72	6.6	14.0	7.9	75
02...	0845	80513	80513	632	6.50	8.00	72	6.6	14.0	7.9	76
02...	0847	80513	80513	665	0.50	1.00	72	6.6	14.0	7.8	75
02...	0849	80513	80513	698	1.00	2.00	73	6.7	14.0	7.6	73
02...	0850	80513	80513	731	1.50	3.00	73	6.7	14.0	7.7	74

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT											
31...	0820	362	1.7	K100	320	57	14	5.4	7.8	21	0.4
DEC											
03...	0845	1530	3.9	970	3400	42	10	4.2	7.3	24	0.5
FEB											
05...	0800	1570	2.5	100	290	20	4.9	1.9	3.3	24	0.3
APR											
02...	0825	1840	2.3	280	300	17	4.2	1.6	3.6	28	0.4

07077500 CACHE RIVER AT PATTERSON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
OCT											
31...	0820	6.0	65	6.4	10	<0.10	13	102	99.9	0.14	--
DEC											
03...	0845	5.7	42	10	9.3	0.30	9.8	82	339	0.11	--
FEB											
05...	0800	2.4	21	4.7	3.3	<0.10	4.9	39	166	0.05	--
APR											
02...	0825	2.2	20	5.4	2.5	<0.10	6.5	40	199	0.05	0.350

DATE	TIME	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)
OCT											
31...	0820	0.030	<0.010	<0.100	0.100	0.050	0.020	0.85	0.90	0.130	0.070
DEC											
03...	0845	0.040	<0.010	0.100	<0.100	0.030	0.050	1.2	1.2	0.300	0.090
FEB											
05...	0800	0.010	<0.010	0.100	0.200	0.080	0.120	1.1	1.2	0.200	0.020
APR											
02...	0825	0.230	0.020	0.350	0.370	0.270	0.240	1.5	1.8	0.390	0.060

DATE	TIME	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BORON, DISSOLVED (UG/L AS B) (01020)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT											
31...	0820	0.100	0.050	20	--	--	--	--	--	--	--
DEC											
03...	0845	0.080	0.080	20	--	--	--	--	--	--	--
FEB											
05...	0800	0.030	0.030	<10	11000	<1	<1	11	<1	3	11000
APR											
02...	0825	0.290	0.050	20	--	--	--	--	--	--	--

DATE	TIME	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
31...	0820	--	--	--	--	--	--	--	45	44	81
DEC											
03...	0845	--	--	--	--	--	--	--	114	471	88
FEB											
05...	0800	2	70	<1	0.10	1	<2	30	101	428	96
APR											
02...	0825	--	--	--	--	--	--	--	148	735	96

07077500 CACHE RIVER AT PATTERSON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
JUN 26...	0945	80513	80020	198	7.3	27.0	4.8	60	368	1.5
AUG 15...	0955	80513	80020	400	7.2	24.0	5.6	67	530	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
JUN 26...	0945	430	1400	67	17	5.9	9.5	22	0.5	3.6
AUG 15...	0955	190	260	170	43	14	23	23	0.8	2.6

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)
JUN 26...	0945	68	11	6.5	0.20	14	112	111	0.15	0.690
AUG 15...	0955	185	19	9.5	0.20	22	246	352	0.33	--

DATE	TIME	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
JUN 26...	0945	0.100	0.030	0.780	0.720	0.100	0.080	0.70	0.80
AUG 15...	0955	<0.010	<0.010	0.350	0.370	0.030	0.040	0.67	0.70

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BORON, DIS-SOLVED (UG/L AS B) (01020)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUN 26...	0945	0.240	0.050	0.040	0.040	30	115	114	100
AUG 15...	0955	0.180	0.040	0.080	0.070	50	54	77	93

07077555 CACHE RIVER NEAR COTTON PLANT, ARKANSAS

LOCATION.--Lat 35°02'07", long 91°19'19", in SE¼SW¼ sec.21, T.5 N.,R.3 W., Woodruff County, Hydrologic Unit 08020302, on left bank on downstream side of bridge on county road, 1.4 mi upstream from Roaring Slough, and 4.2 mi northwest of Cotton Plant.

DRAINAGE AREA.--1,172 mi^2, of which an estimated 20 mi^2 is probably noncontributing.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD ARKANSAS 1989: 1988(M).

GAGE.--Water-stage recorder. Datum of gage is 164.17 ft above National Geodetic Vertical Datum of 1929. Nonrecording gage Oct. 10, 1989 to Sept. 27, 1990 at same site and datum.

REMARKS.--Water-discharge records good, escept for estimated daily discharges, Apr. 6 to May 6, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,950 ft^3/s Dec. 28, 1987, gage height, 20.22 ft, from flood-marks; minimum daily, 25 ft^3/s Oct. 22-24, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,300 ft^3/s Jan. 11, gage height, 20.07 ft; minimum daily, 122 ft^3/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	1610	505	6510	3680	1140	1180	e6520	1860	571	346	612
2	305	1390	565	6650	3510	1080	1440	e6830	1760	619	389	638
3	301	1130	630	6750	3340	994	1640	e6520	1640	633	424	675
4	299	905	692	6740	3190	910	1760	e6210	1520	616	442	743
5	288	728	810	6660	3090	861	1850	e5650	1340	579	440	842
6	261	557	988	7450	2970	833	e1850	e5120	1160	511	416	973
7	247	400	1160	8190	2840	792	e1860	4670	1000	428	383	1100
8	306	276	1320	8580	2700	771	e1860	4430	864	356	354	1230
9	650	230	1410	8820	2560	775	e1870	4210	735	314	332	1320
10	1090	230	1410	9130	2430	780	e1950	4070	602	304	315	1340
11	1370	214	1340	9200	2300	768	e2050	3880	481	303	306	1310
12	1780	192	1220	9030	2180	729	e2150	3680	444	296	298	1240
13	2260	e184	1120	8710	2080	668	e2330	3490	418	279	286	1180
14	2740	171	988	8370	1980	578	e2740	3290	374	259	284	1130
15	3080	167	835	8020	1890	371	e3000	3110	351	237	293	1090
16	3290	164	690	7680	1790	281	e3460	3000	356	215	316	1020
17	3420	160	570	7330	1700	256	e3790	2840	441	207	358	953
18	3510	154	775	7030	1620	253	e4090	2690	540	203	414	870
19	3560	147	994	6770	1560	248	e4250	2630	607	207	466	778
20	3580	139	1090	6540	1530	230	e4400	2590	661	219	497	683
21	3600	133	1210	6290	1540	211	e4640	2560	702	238	511	595
22	3590	144	1490	6020	1590	e209	e4580	2550	725	249	510	494
23	3500	161	1820	5780	1620	e208	e4490	2520	723	255	496	378
24	3380	153	2340	5560	1600	e206	e4420	2480	716	251	488	280
25	3190	140	3060	5330	1550	206	e4420	2470	717	245	496	217
26	2980	132	3750	5090	1460	190	e4250	2440	681	248	522	181
27	2720	134	4670	4840	1360	190	e4250	2400	621	248	542	160
28	2460	280	5230	4610	1230	236	e5120	2320	551	257	549	149
29	2220	382	5530	4360	---	377	e5650	2210	502	275	553	135
30	1990	446	6140	4170	---	645	e6210	2100	513	292	558	122
31	1800	---	6360	3930	---	933	---	1970	---	314	584	---
TOTAL	64072	11253	60712	210140	60890	16929	97550	111450	23605	10228	13168	22438
MEAN	2067	375	1958	6779	2175	546	3252	3595	787	330	425	748
MAX	3600	1610	6360	9200	3680	1140	6210	6830	1860	633	584	1340
MIN	247	132	505	3930	1230	190	1180	1970	351	203	284	122
AC-FT	127100	22320	120400	416800	120800	33580	193500	221100	46820	20290	26120	44510
CFSM	1.76	.32	1.67	5.78	1.86	.47	2.77	3.07	.67	.28	.36	.64
IN.	2.03	.36	1.93	6.67	1.93	.54	3.10	3.54	.75	.32	.42	.71

CAL YR 1990 TOTAL 620927 MEAN 1701 MAX 6550 MIN 63 AC-FT 1232000 CFSM 1.45 IN. 19.71
WTR YR 1991 TOTAL 702435 MEAN 1924 MAX 9200 MIN 122 AC-FT 1393000 CFSM 1.64 IN. 22.30

e Estimated

07077660 BAYOU DEVIEW NEAR GIBSON, ARKANSAS

LOCATION.--Lat 35°47'36", long 90°50'18", in SW¼SW¼ sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi northwest of Gibson.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
09.	1230	9827	9827	7.3	17.0	3.5	7.0	46	10
NOV									
06.	1415	9827	9827	7.6	13.0	8.3	3.1	70	19
DEC									
18.	1300	9827	9827	7.1	11.0	8.6	4.1	24	14
FEB									
12.	1530	9827	9827	7.6	12.0	11.1	0.9	34	--
MAR									
12.	1230	9827	9827	7.9	13.0	10.9	2.7	48	15
APR									
09.	1430	9827	9827	7.5	21.0	8.0	2.5	34	13
30.	1530	9827	9827	7.2	22.0	8.0	2.0	22	9.0
MAY									
07.	1415	9827	9827	8.0	19.0	9.4	2.3	78	9.0
JUN									
11.	1315	9827	9827	8.1	28.0	8.2	4.6	78	20
JUL									
09.	1315	9827	9827	8.9	33.0	9.5	6.2	78	17
AUG									
13.	1245	9827	9827	7.9	26.0	5.6	2.5	76	13
SEP									
10.	1445	9827	9827	7.9	29.0	6.9	1.8	110	13

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1230	12	145	59	0.090	--	--	0.300
NOV								
06.	1415	30	229	--	2.20	<0.050	--	3.40
DEC								
18.	1300	4.8	112	313	0.390	0.080	--	0.540
FEB								
12.	1530	8.2	105	20	0.750	0.060	--	--
MAR								
12.	1230	13	128	22	0.830	<0.050	--	1.25
APR								
09.	1430	5.8	108	50	0.330	0.060	--	0.340
30.	1530	5.0	109	--	0.130	0.100	--	0.320
MAY								
07.	1415	10	135	4	2.00	<0.050	0.46	0.310
JUN								
11.	1315	25	194	27	1.00	0.070	--	1.46
JUL								
09.	1315	26	194	30	0.750	0.130	--	1.42
AUG								
13.	1245	17	207	117	0.570	0.160	--	0.730
SEP								
10.	1445	35	243	48	1.40	0.060	--	1.70

07077660 BAYOU DEVIEW NEAR GIBSON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1230	0.150	17	<0.5	<1	<25	<2	<8
NOV								
06.	1415	3.35	11	<0.5	<1	<25	<2	<8
DEC								
18.	1300	0.230	15	--	<1	<25	<2	33
FEB								
12.	1530	0.710	7.8	<0.5	<1	<25	<2	<8
MAR								
12.	1230	1.13	--	<0.5	<1	<25	<2	<8
APR								
09.	1430	0.200	10	<0.5	<1	<25	<2	14
30.	1530	0.120	10	<0.5	<1	<25	<2	<8
MAY								
07.	1415	0.210	4.5	<0.5	<1	<25	<2	<8
JUN								
11.	1315	1.19	--	<0.5	<1	<25	<2	--
JUL								
09.	1315	1.01	--	<0.5	<1	<25	<2	<8
AUG								
13.	1245	0.390	9.6	<0.5	<1	<25	<2	--
SEP								
10.	1445	1.14	11	<0.5	<1	<25	<2	<8

07077700 BAYOU DEVIEW AT MORTON, ARKANSAS

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOCATION, TOTAL (FEET) (81903)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
31...	0715	80513	80020	--	--	--	208	7.1	10.5	5.2	46
DEC											
03...	0930	80513	80020	--	--	--	158	7.2	9.0	6.2	54
FEB											
05...	0730	80513	80020	--	--	--	104	7.2	5.5	10.0	79
APR											
02...	0730	80513	80020	--	--	--	145	7.1	14.5	6.0	59
02...	0745	80513	80513	69.0	0.50	1.00	147	7.0	14.5	7.0	70
02...	0747	80513	80513	87.0	1.80	3.00	146	7.1	14.5	6.3	63
02...	0749	80513	80513	105	1.80	3.00	145	7.1	14.5	7.0	69
02...	0751	80513	<80513	123	1.00	6.00	145	7.0	14.5	6.1	61
02...	0752	80513	80513	123	5.00	6.00	145	7.0	14.5	4.4	44
02...	0754	80513	80513	141	2.50	4.00	146	7.0	14.5	5.0	50
02...	0756	80513	80513	159	1.00	2.00	144	7.1	14.5	6.0	59
02...	0758	80513	80513	177	1.50	3.00	145	7.0	14.5	5.6	56
02...	0800	80513	80513	195	1.50	3.00	144	7.0	14.5	6.3	62
02...	0802	80513	80513	213	1.00	2.00	143	7.1	14.5	6.5	65
02...	0804	80513	80513	231	1.00	2.00	143	7.1	14.5	7.0	69

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)
OCT										
31.	0715	2.5	K90	K150	63	16	5.7	8.3	20	0.5
DEC										
03.	0930	4.6	K210	840	49	12	4.7	8.2	24	0.5
FEB										
05.	0730	3.3	53	160	33	8.3	3.0	5.2	24	0.4
APR										
02.	0730	4.4	110	K8	46	12	4.0	7.6	24	0.5

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
OCT										
31.	0715	7.0	65	11	12	<0.10	13	113	0.15	0.190
DEC										
03.	0930	6.0	52	9.9	11	0.20	10	94	0.13	--
FEB										
05.	0730	2.9	39	4.9	3.4	<0.10	5.0	57	0.08	--
APR										
02.	0730	3.8	50	6.1	8.1	<0.10	4.4	77	0.10	--

07077700 BAYOU DEVIEW AT MORTON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT										
31.	0715	0.030	0.010	0.200	0.200	0.090	0.080	1.0	1.1	0.170
DEC										
03.	0930	<0.010	<0.010	0.100	0.100	0.060	0.070	1.2	1.3	0.260
FEB										
05.	0730	0.010	<0.010	0.200	0.200	0.160	0.190	1.1	1.3	0.240
APR										
02.	0730	0.020	<0.010	0.071	0.064	0.030	0.050	1.5	1.5	0.310

DATE	TIME	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BORON, DISSOLVED (UG/L AS B) (01020)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT										
31.	0715	0.090	0.130	0.080	20	--	--	--	--	--
DEC										
03.	0930	0.060	0.070	0.070	20	--	--	--	--	--
FEB										
05.	0730	0.050	0.070	0.060	<10	8300	<1	6	1	4
APR										
02.	0730	0.080	0.090	0.070	20	--	--	--	--	--

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
31.	0715	--	--	--	--	--	--	--	22	99
DEC										
03.	0930	--	--	--	--	--	--	--	79	80
FEB										
05.	0730	5800	6	140	<1	<0.10	4	20	78	94
APR										
02.	0730	--	--	--	--	--	--	--	86	85

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUN											
26...	0915	80513	80020	225	7.3	27.0	4.2	53	3.0	160	1200
AUG											
15...	0925	80513	80020	485	7.5	24.0	3.8	45	--	87	88

07077700 BAYOU DEVIEW AT MORTON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUN											
26...	0915	88	23	7.4	12	22	0.6	3.0	74	25	9.8
AUG											
15...	0925	220	58	19	23	18	0.7	2.7	210	35	16

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN											
26...	0915	0.30	13	142	0.19	0.650	0.190	0.130	0.850	0.780	0.370
AUG											
15...	0925	0.20	26	308	0.42	0.400	0.080	0.080	0.470	0.480	0.110

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	BORON, DISSOLVED (UG/L AS B) (01020)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JUN											
26...	0915	0.330	1.1	1.5	0.290	0.070	0.050	0.060	30	213	97
AUG											
15...	0925	0.120	0.89	1.0	0.210	0.090	0.090	0.080	40	80	94

07077820 WHITE RIVER AT ST. CHARLES, ARKANSAS

LOCATION.--Lat 34°22'35", long 91°07'30", in SW¼NE¼ sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi east of St. Charles.

DRAINAGE AREA.--25,809 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1255	9827	9827	16800	8.3	--	8.5	0.8	130
30.	1147	9827	9827	19200	8.0	15.0	8.9	1.1	120
NOV									
27.	1127	9827	9827	10700	8.5	12.0	10.1	1.0	150
JAN									
01.	1045	9827	9827	66200	7.6	4.0	10.5	1.2	60
FEB									
05.	1122	9827	9827	66400	7.8	10.0	10.6	0.9	84
MAR									
19.	1020	9827	9827	21100	8.3	12.0	10.8	1.2	150
APR									
02.	1011	9827	9827	32500	7.9	16.0	9.2	1.3	110
30.	1300	9827	9827	102000	7.7	21.0	6.6	0.6	78
JUN									
04.	1147	9827	9827	41600	7.8	26.0	7.2	3.1	110
JUL									
16.	1122	9827	9827	27400	8.3	26.0	8.5	1.2	130
30.	1027	9827	9827	15800	8.6	26.0	8.7	2.0	150
SEP									
10.	1023	9827	9827	13400	8.2	27.0	7.9	1.6	130

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1255	--	6.3	152	8	0.200	0.260	0.090
30.	1147	9.0	6.7	141	34	0.170	<0.050	0.080
NOV								
27.	1127	8.0	3.9	160	28	<0.020	<0.050	--
JAN								
01.	1045	7.0	3.7	103	29	0.190	<0.050	0.140
FEB								
05.	1122	6.0	3.1	120	17	0.170	<0.050	0.120
MAR								
19.	1020	6.0	4.5	168	26	0.090	<0.050	0.090
APR								
02.	1011	5.0	3.9	130	58	0.150	0.050	0.080
30.	1300	5.0	3.2	108	16	0.070	--	0.080
JUN								
04.	1147	6.0	3.3	132	36	0.160	--	--
JUL								
16.	1122	6.0	4.1	143	50	0.170	0.070	--
30.	1027	7.0	5.6	160	32	0.070	0.060	0.120
SEP								
10.	1023	7.0	8.3	159	36	0.090	<0.050	0.080

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1255	0.030	5.2	<0.5	<1	<25	<2	<8
30.	1147	0.040	6.0	<0.5	<1	<25	<2	<8
NOV								
27.	1127	<0.030	4.8	<0.5	<1	<25	<2	<8
JAN								
01.	1045	0.040	7.4	--	<1	<25	<2	<8
FEB								
05.	1122	<0.030	8.0	<0.5	<1	<25	<2	<8
MAR								
19.	1020	<0.030	3.1	<0.5	1	<25	<2	--
APR								
02.	1011	0.030	3.9	<0.5	--	<25	<2	--
30.	1300	0.040	5.6	<0.5	<1	<25	<2	<8
JUN								
04.	1147	<0.030	9.8	<0.5	<1	<25	<2	<8
JUL								
16.	1122	<0.030	2.8	<0.5	<1	<25	<2	<8
30.	1027	0.030	2.9	<0.5	<1	<25	<2	<8
SEP								
10.	1023	<0.030	5.5	<0.5	<1	<25	<2	<8

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARKANSAS

LOCATION.--Lat 36°34'29", long 91°08'45", in SE¼ sec.30, T.1 S., R.1 W., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 146, 3.6 mi southeast of Holly Grove.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1236	9827	9827	7.2	--	1.7	3.3	74
30...	1129	9827	9827	7.1	15.0	7.8	4.5	64
NOV								
27...	1126	9827	9827	7.1	18.0	<0.1	--	66
JAN								
01...	1123	9827	9827	6.9	2.0	9.5	1.7	18
FEB								
05...	0951	9827	9827	7.1	13.0	7.2	2.8	28
MAR								
19...	1057	9827	9827	7.4	16.0	9.3	2.1	30
APR								
02...	1051	9827	9827	6.9	16.0	5.7	1.4	30
30...	1335	9827	9827	6.7	20.0	4.6	1.2	20
JUN								
04...	1100	9827	9827	7.0	28.0	6.2	5.7	40
JUL								
15...	1121	9827	9827	7.5	25.0	5.1	3.6	110
30...	1040	9827	9827	7.3	25.0	0.3	3.8	60
SEP								
10...	0940	9827	9827	7.2	26.0	0.5	1.5	98

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1236	--	5.8	117	34	<0.020	<0.050	0.160
30...	1129	5.0	5.9	110	20	<0.020	<0.050	0.280
NOV								
27...	1126	14	4.1	128	18	<0.020	<0.050	--
JAN								
01...	1123	6.0	5.1	103	26	0.060	<0.050	0.160
FEB								
05...	0951	6.0	3.7	58	9	<0.020	<0.050	0.110
MAR								
19...	1057	3.0	3.3	69	8	<0.020	<0.050	0.140
APR								
02...	1051	3.0	3.5	72	10	<0.020	0.060	0.150
30...	1335	10	6.2	182	132	0.200	--	0.440
JUN								
04...	1100	4.0	2.2	59	7	0.020	--	--
JUL								
15...	1121	7.0	10	165	10	0.140	0.280	--
30...	1040	3.0	2.7	117	8	<0.020	0.060	0.200
SEP								
10...	0940	3.0	6.3	135	18	<0.020	<0.050	0.150

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	1236	0.030	10	<0.5	<1	<25	<2	<8
30...	1129	0.030	15	<0.5	<1	<25	<2	<8
NOV								
27...	1126	0.260	27	<0.5	<1	<25	<2	<8
JAN								
01...	1123	0.100	9.4	--	<1	<25	<2	<8
FEB								
05...	0951	0.030	8.7	<0.5	<1	<25	<2	<8
MAR								
19...	1057	0.040	9.7	<0.5	1	<25	<2	--
APR								
02...	1051	0.110	11	<0.5	--	<25	<2	--
30...	1335	0.350	11	<0.5	<1	<25	<2	<8
JUN								
04...	1100	0.100	7.8	<0.5	<1	<25	<2	<8
JUL								
15...	1121	0.040	7.2	<0.5	<1	<25	<2	<8
30...	1040	0.040	12	<0.5	<1	<25	<2	<8
SEP								
10...	0940	<0.030	11	<0.5	<1	<25	2	<8

07077950 BIG CREEK AT POPLAR GROVE, ARKANSAS

LOCATION.--Lat 34°33'20", long 90°50"44", in NE¼NE¼ sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft upstream from Crooked Creek, and 3.9 mi east of Marvel.

DRAINAGE AREA.--448 mi^2, includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi^2.

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of U.S. Army Corps of Engineers.

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

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi downstream at same datum. Prior to Feb. 6, 1978, auxiliary water-stage recorder at site 8.7 mi downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed Dec. 28, 1981.

REMARKS.--Records good, except for estimated daily discharges, June 19-21, which are fair, and July 12 to Sept. 30, which are poor.

AVERAGE DISCHARGE.--21 years, 650 ft^3/s, 470,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s Apr. 23, 1973, gage height, 31.74 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft Apr. 23, 1973, discharge, 5,910 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,710 ft^3/s Apr. 15, gage height, 31.05 ft; minimum daily, 3.0 ft^3/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	113	177	3060	459	1310	505	4270	1650	114	e68	e400
2	147	79	216	2920	362	1600	437	4180	1440	126	e50	e400
3	83	57	421	2780	275	1650	424	4180	1260	119	e40	e380
4	189	43	531	2640	219	1600	795	4160	1090	93	e35	e360
5	335	41	510	2470	446	1440	1170	4300	946	66	e40	e330
6	330	54	508	2500	937	1280	1140	4170	810	44	e60	e320
7	307	52	507	2980	958	1140	1080	3930	667	35	e90	e350
8	469	40	492	2970	910	1050	1080	3680	506	34	e90	e510
9	647	64	462	2910	872	977	1170	3460	329	34	e80	e660
10	726	249	414	3050	828	906	1240	3230	158	33	e70	e650
11	747	263	347	3160	791	839	1230	3000	62	32	e68	e540
12	725	209	261	3090	758	770	1560	2770	40	e31	e64	e450
13	686	195	176	2980	722	689	2510	2540	332	e30	e62	e340
14	667	219	114	2850	671	591	3720	2300	261	e27	e60	e260
15	672	246	81	2710	607	485	4620	2120	83	e22	e74	e200
16	686	260	63	2540	535	372	4380	2350	40	e20	e100	e150
17	706	258	112	2370	466	253	4180	2250	39	e16	e150	e110
18	733	235	517	2190	454	165	4020	2040	38	e14	e200	e80
19	744	190	879	2030	1280	122	3820	1820	e37	e11	e250	e65
20	747	141	856	1870	1700	101	3600	1630	e37	e9.0	e270	e54
21	745	91	1040	1720	1690	93	3370	1450	e37	e8.0	e260	e40
22	741	63	1380	1580	1660	88	3140	1300	41	e7.0	e250	e28
23	736	49	1650	1430	1790	83	2910	1170	265	e7.0	e210	e22
24	699	42	1820	1310	1750	79	2670	1060	294	e7.0	e190	e16
25	641	40	1980	1180	1660	70	2450	1130	364	e7.0	e180	e13
26	574	38	2110	1060	1540	63	2220	1730	242	e8.0	e170	e10
27	499	37	2440	959	1410	58	2200	2050	103	e12	e170	e7.0
28	420	192	2810	864	1270	55	2750	2100	57	e30	e160	e5.0
29	330	265	2830	771	---	264	4190	2050	52	e70	e220	e4.0
30	239	191	2940	675	---	673	4340	1940	81	e80	e300	e3.0
31	163	---	3170	564	---	640	---	1820	---	e80	e350	---
TOTAL	16364	4016	31814	66183	27020	19506	72921	80180	11361	1226.0	4381	6757.0
MEAN	528	134	1026	2135	965	629	2431	2586	379	39.5	141	225
MAX	747	265	3170	3160	1790	1650	4620	4300	1650	126	350	660
MIN	83	37	63	564	219	55	424	1060	37	7.0	35	3.0
AC-FT	32460	7970	63100	131300	53590	38690	144600	159000	22530	2430	8690	13400

CAL YR 1990 TOTAL 299587 MEAN 821 MAX 4410 MIN 22 AC-FT 594200
WTR YR 1991 TOTAL 341729.0 MEAN 936 MAX 4620 MIN 3.0 AC-FT 677800

e Estimated

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARKANSAS

LOCATION.--Lat 34°26'00", long 91°03'11", in SW¼NW¼ sec.18, T.3 S., R.1 E., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 1, 1.0 mi northeast of Cross Roads.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1207	9827	9827	7.6	--	3.5	1.5	110
30...	1103	9827	9827	7.1	12.0	3.7	1.6	46
NOV								
27...	1043	9827	9827	7.2	19.0	<0.1	6.8	58
JAN								
01...	1100	9827	9827	6.9	2.0	9.4	1.8	18
FEB								
05...	1107	9827	9827	7.0	13.0	1.2	1.7	30
MAR								
19...	1037	9827	9827	6.9	15.0	4.4	2.0	30
APR								
02...	1025	9827	9827	6.8	17.0	3.7	1.9	32
30...	1315	9827	9827	6.8	19.0	4.2	0.6	20
JUN								
04...	1128	9827	9827	6.9	26.0	2.5	1.1	30
JUL								
15...	1141	9827	9827	6.9	26.0	1.5	4.2	66
30...	1102	9827	9827	7.5	26.0	2.0	1.7	90
SEP								
10...	1010	9827	9827	7.0	26.0	0.5	2.1	48

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1207	--	11	159	6	<0.020	0.240	0.130
30...	1103	7.0	8.3	84	2	<0.020	<0.050	0.110
NOV								
27...	1043	8.0	6.7	114	15	<0.020	<0.050	--
JAN								
01...	1100	6.0	4.7	76	6	<0.020	<0.050	0.160
FEB								
05...	1107	7.0	2.7	63	5	0.040	0.050	0.290
MAR								
19...	1037	3.0	3.0	67	5	<0.020	<0.050	0.180
APR								
02...	1025	4.0	3.1	71	10	<0.020	0.060	0.300
30...	1315	8.0	4.2	112	46	0.070	--	0.460
JUN								
04...	1128	5.0	2.2	62	5	0.130	--	--
JUL								
15...	1141	3.0	3.2	103	17	<0.020	0.080	--
30...	1102	6.0	3.6	120	6	<0.020	0.050	0.150
SEP								
10...	1010	3.0	6.6	93	8	<0.020	<0.050	0.210

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	1207	0.060	9.0	<0.5	<1	<25	<2	<8
30...	1103	0.030	11	<0.5	<1	<25	<2	<8
NOV								
27...	1043	0.070	16	<0.5	<1	<25	<2	<8
JAN								
01...	1100	0.070	13	--	<1	<25	<2	<8
FEB								
05...	1107	0.110	14	<0.5	<1	<25	<2	<8
MAR								
19...	1037	0.050	11	<0.5	1	<25	<2	--
APR								
02...	1025	0.190	15	<0.5	--	<25	2	--
30...	1315	0.290	13	<0.5	<1	<25	<2	<8
JUN								
04...	1128	0.240	9.9	<0.5	<1	<25	<2	<8
JUL								
15...	1141	<0.030	11	<0.5	<1	<25	<2	<8
30...	1102	0.030	8.9	<0.5	<1	<25	<2	<8
SEP								
10...	1010	0.040	13	<0.5	<1	<25	<2	<8

07188800 MCKISIC CREEK TRIBUTARY NEAR BENTONVILLE, ARKANSAS

LOCATION.--Lat 36°24'26", long 94°12'46", in NW¼SE¼ sec.18, T.20 N., R.30 W., Benton County, Hydrologic Unit 11070208, on unimproved road off U.S. Highway 71, 0.4 mi north of Bentonville city limits, and 2.0 mi downstream from Bella Vista Lake.

PERIOD OF RECORD.--November 1983 to current year. Previously published as "0718813 Little Sugar Creek Tributary near Bentonville, Ark."

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	0834	9827	9827	7.5	9.0	6.5	0.3	140	50
NOV									
19.	0923	9827	9827	7.5	15.0	7.9	0.8	150	66
DEC									
18.	0922	9827	9827	7.7	11.0	8.2	2.4	130	32
JAN									
29.	0936	9827	9827	7.7	9.0	9.2	--	140	25
FEB									
26.	1010	9827	9827	7.8	8.0	10.9	1.9	140	41
MAR									
26.	0808	9827	9827	7.6	14.0	7.0	1.8	140	32
APR									
23.	0915	9827	9827	7.8	12.5	8.3	0.7	140	25
MAY									
07.	0934	9827	9827	7.7	15.0	8.0	1.1	140	28
JUN									
25.	0942	9827	9827	7.5	--	5.7	0.5	170	53
JUL									
23.	1150	9827	9827	7.6	24.0	--	0.3	150	78
AUG									
27.	0840	9827	9827	7.4	22.0	5.4	0.3	150	76
SEP									
24.	0800	9827	9827	7.7	20.0	5.3	0.1	140	46

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0834	42	352	4	--	<0.050	1.3	6.10
NOV								
19.	0923	51	381	1	--	<0.050	0.73	6.00
DEC								
18.	0922	24	265	6	--	K0.050	1.5	5.70
JAN								
29.	0936	23	245	4	6.04	0.050	0.51	4.05
FEB								
26.	1010	39	319	3	11.1	K0.050	0.82	--
MAR								
26.	0808	27	280	4	8.08	K0.050	0.26	--
APR								
23.	0915	15	234	4	5.95	K0.050	0.59	3.05
MAY								
07.	0934	17	261	6	5.52	K0.050	0.78	3.42
JUN								
25.	0942	37	343	14	--	K0.050	0.58	--
JUL								
23.	1150	49	384	7	10.9	0.050	--	6.05
AUG								
27.	0840	53	397	4	12.6	K0.050	1.0	6.95
SEP								
24.	0800	36	309	9	9.30	0.070	0.84	6.20

07188800 MCKISIC CREEK TRIBUTARY NEAR BENTONVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0834	--	3.9	<0.5	<1	<25	9	24
NOV								
19.	0923	2.26	5.6	<0.5	<1	--	<2	16
DEC								
18.	0922	3.20	--	--	K1	K25	K2	15
JAN								
29.	0936	3.40	4.5	K0.5	K1	K25	K2	12
FEB								
26.	1010	5.08	5.0	K0.5	K1	K25	K2	K8
MAR								
26.	0808	4.24	3.2	K0.5	K1	K25	K2	--
APR								
23.	0915	2.85	3.9	K0.5	K1	K25	K2	--
MAY								
07.	0934	2.79	5.2	K0.5	--	K25	K2	K8
JUN								
25.	0942	4.28	5.7	--	K1	K25	K2	--
JUL								
23.	1150	4.92	6.6	K0.5	K1	K25	K2	--
AUG								
27.	0840	5.92	5.6	--	K1	--	--	--
SEP								
24.	0800	5.52	5.0	K0.5	K1	K25	K2	--

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARKANSAS

LOCATION.--Lat 36°30'44", long 94°28'54", in NW¼NW¼ sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, 2.0 mi northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi², at State line.

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0916	9827	9827	4.0	8.0	10.0	9.6	0.9	160
NOV									
19.	1019	9827	9827	3.5	8.1	12.5	9.6	0.7	170
DEC									
18.	1017	9827	9827	150	8.0	10.0	10.1	3.4	140
JAN									
29.	1028	9827	9827	149	8.1	9.0	10.8	--	140
FEB									
26.	1057	9827	9827	0.0	8.6	6.0	14.1	1.3	150
MAR									
26.	0853	9827	9827	9.1	8.1	16.0	8.8	2.0	160
APR									
23.	1012	9827	9827	63	8.2	12.0	10.3	<0.1	140
MAY									
07.	1029	9827	9827	83	8.2	15.0	10.2	0.6	150
JUL									
23.	1238	9827	9827	0.10	8.1	27.0	--	0.3	150
AUG									
27.	0940	9827	9827	1.5	8.0	23.0	6.3	0.6	140
SEP									
24.	0900	9827	9827	9.0	8.2	18.0	7.4	0.7	170

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0916	8.0	7.7	204	2	1.50	<0.050	0.040
NOV								
19.	1019	12	9.8	199	<1	--	<0.050	0.050
DEC								
18.	1017	10	4.0	168	8	--	<0.050	0.100
JAN								
29.	1028	9.0	4.6	161	3	2.40	<0.050	0.030
FEB								
26.	1057	13	6.6	170	2	2.00	<0.050	--
MAR								
26.	0853	9.0	5.9	178	2	1.20	<0.050	--
APR								
23.	1012	8.0	3.6	162	3	1.40	<0.050	<0.030
MAY								
07.	1029	7.0	2.6	177	4	0.870	<0.050	0.100
JUL								
23.	1238	5.0	8.0	186	2	0.710	0.080	0.130
AUG								
27.	0940	6.0	9.0	173	1	0.700	0.080	<0.030
SEP								
24.	0900	12	8.4	204	<1	1.60	0.060	0.050

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0916	--	2.6	<0.5	<1	<25	4	<8
NOV								
19.	1019	<0.030	0.8	<0.5	<1	--	<2	19
DEC								
18.	1017	0.050	--	--	<1	<25	<2	<8
JAN								
29.	1028	0.030	2.9	<0.5	<1	<25	<2	<8
FEB								
26.	1057	0.030	2.3	<0.5	<1	<25	<2	<8
MAR								
26.	0853	0.040	4.1	<0.5	<1	<25	<2	10
APR								
23.	1012	0.070	3.8	<0.5	<1	<25	<2	--
MAY								
07.	1029	0.040	1.9	<0.5	--	<25	<2	<8
JUL								
23.	1238	0.070	2.5	<0.5	<1	<25	<2	<8
AUG								
27.	0940	--	6.9	<0.5	<1	<25	<2	18
SEP								
24.	0900	0.040	3.2	<0.5	<1	<25	2	--

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARKANSAS

LOCATION.--Lat 36°20'31", long 94°35'15", in SW¼NE¼ sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi north of Cherokee City.

DRAINAGE AREA.--104 mi², at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0951	9827	9827	31	8.0	13.0	9.0	0.8	130
NOV									
19.	1100	9827	9827	29	8.1	15.0	9.9	0.8	140
DEC									
18.	1106	9827	9827	350	7.8	10.0	9.7	1.6	110
JAN									
29.	1134	9827	9827	131	7.9	9.0	10.5	--	110
FEB									
26.	1136	9827	9827	65	8.5	10.0	12.6	1.3	120
MAR									
26.	0933	9827	9827	62	8.1	15.0	9.9	0.7	120
APR									
23.	1053	9827	9827	110	8.0	15.0	9.7	0.7	110
MAY									
07.	1108	9827	9827	89	8.1	16.0	10.4	0.3	120
JUN									
25.	1108	9827	9827	22	8.1	--	8.9	0.6	140
JUL									
23.	1316	9827	9827	13	8.3	26.0	--	0.2	140
AUG									
27.	1015	9827	9827	13	8.0	23.0	--	0.7	140
SEP									
24.	0936	9827	9827	37	8.1	18.0	7.8	0.5	140

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0951	5.0	11	181	2	2.60	<0.050	0.090
NOV								
19.	1100	8.0	14	187	1	--	<0.050	0.130
DEC								
18.	1106	6.0	6.6	145	6	--	<0.050	0.140
JAN								
29.	1134	6.0	7.3	145	3	3.70	<0.050	0.060
FEB								
26.	1136	8.0	9.9	159	2	3.00	0.050	--
MAR								
26.	0933	6.0	9.8	167	2	2.40	<0.050	--
APR								
23.	1053	5.0	6.6	148	5	2.60	<0.050	0.100
MAY								
07.	1108	5.0	6.4	160	5	2.00	<0.050	0.140
JUN								
25.	1108	5.0	10	174	4	--	<0.050	--
JUL								
23.	1316	5.0	12	186	2	1.80	0.050	0.180
AUG								
27.	1015	6.0	15	180	1	1.80	0.050	0.150
SEP								
24.	0936	9.0	13	191	<1	2.60	0.080	0.160

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0951	--	2.0	<0.5	<1	<25	5	<8
NOV								
19.	1100	0.090	0.7	<0.5	<1	--	<2	<8
DEC								
18.	1106	0.070	--	--	<1	<25	<2	<8
JAN								
29.	1134	0.070	2.6	<0.5	<1	<25	<2	<8
FEB								
26.	1136	0.100	1.7	<0.5	<1	<25	<2	<8
MAR								
26.	0933	0.090	3.7	<0.5	<1	<25	<2	23
APR								
23.	1053	0.110	2.2	<0.5	<1	<25	4	--
MAY								
07.	1108	0.100	1.5	<0.5	--	<25	<2	<8
JUN								
25.	1108	0.120	3.0	<0.5	<1	<25	<2	--
JUL								
23.	1316	0.110	2.4	<0.5	<1	<25	<2	<8
AUG								
27.	1015	--	5.6	<0.5	<1	<25	<2	<8
SEP								
24.	0936	0.130	3.1	<0.5	<1	<25	<2	--

07194800 ILLINOIS RIVER AT SAVOY, ARKANSAS

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

DRAINAGE AREA.--167 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1116	9827	9827	--	8.0	11.0	10.2	0.8	130
NOV									
19.	1243	9827	9827	15	8.1	13.0	12.0	1.0	140
DEC									
18.	1241	9827	9827	710	7.6	10.0	9.7	3.3	30
JAN									
29.	1236	9827	9827	640	7.9	9.0	11.2	--	110
FEB									
26.	1317	9827	9827	55	8.7	8.0	14.3	1.6	120
MAR									
26.	1108	9827	9827	180	7.8	17.0	8.9	1.7	80
APR									
23.	1248	9827	9827	195	7.9	15.0	9.8	1.0	96
MAY									
07.	1304	9827	9827	90	8.0	17.5	9.8	1.3	100
JUN									
25.	1239	9827	9827	25	8.1	--	7.8	1.7	150
SEP									
10.	1010	9827	9827	--	6.7	26.0	5.4	2.8	42
24.	1105	9827	9827	24	8.1	17.0	7.8	0.8	130

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1116	8.0	7.2	176	4	2.60	<0.050	0.050
NOV								
19.	1243	15	10	178	4	--	<0.050	0.060
DEC								
18.	1241	14	4.7	108	34	--	0.100	0.270
JAN								
29.	1236	11	6.1	141	8	2.90	<0.050	0.030
FEB								
26.	1317	16	7.0	150	4	2.20	<0.050	--
MAR								
26.	1108	11	4.5	116	14	1.30	<0.050	--
APR								
23.	1248	10	4.6	130	12	1.90	<0.050	0.060
MAY								
07.	1304	9.0	4.0	132	15	1.40	<0.050	0.080
JUN								
25.	1239	6.0	7.8	182	16	--	<0.050	--
SEP								
10.	1010	54	30	166	6	1.30	0.420	0.100
24.	1105	9.0	9.3	167	12	1.70	0.090	0.130

07194800 ILLINOIS RIVER AT SAVOY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1116	--	4.5	<0.5	<1	<25	3	<8
NOV								
19.	1243	<0.030	4.6	<0.5	<1	--	<2	<8
DEC								
18.	1241	0.150	--	--	<1	<25	<2	<8
JAN								
29.	1236	0.030	2.9	<0.5	<1	<25	<2	<8
FEB								
26.	1317	<0.030	2.5	<0.5	<1	<25	<2	<8
MAR								
26.	1108	0.040	4.4	<0.5	<1	<25	<2	<8
APR								
23.	1248	0.050	3.5	<0.5	<1	<25	2	--
MAY								
07.	1304	0.040	4.3	0.5	--	<25	<2	<8
JUN								
25.	1239	0.070	6.1	0.6	<1	<25	<2	--
SEP								
10.	1010	0.050	7.1	<0.5	<1	<25	<2	<8
24.	1105	0.070	5.2	<0.5	<1	<25	<2	--

07194810 CLEAR CREEK AT JOHNSON, ARKANSAS

LOCATION.--Lat 36°07'41", long 94°09'56", in NW¼SE¼ sec.22, T.17N, R.30 W., Washington County, Hydrologic Unit 11110103, at bridge on county road 0.2 mi south of Johnson, just downstream from confluence with Mud Creek.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	0905	9827	9827	7.9	10.0	10.0	1.9	140	45
NOV									
19.	0820	9827	9827	8.0	11.0	8.8	1.7	150	33
DEC									
18.	0835	9827	9827	8.0	9.0	9.8	1.8	110	27
JAN									
29.	0840	9827	9827	7.8	7.0	10.1	1.8	120	24
FEB									
26.	0825	9827	9827	8.1	5.0	11.4	3.1	130	34
APR									
02.	0640	9827	9827	7.8	11.0	8.5	2.7	140	32
23.	0740	9827	9827	7.9	12.0	9.4	3.1	120	27
MAY									
07.	0820	9827	9827	8.0	15.0	8.9	1.0	130	13
JUN									
25.	0815	9827	9827	7.9	22.0	7.4	2.8	160	10
JUL									
23.	0745	9827	9827	7.9	24.0	5.6	2.0	130	25
AUG									
27.	0810	9827	9827	7.9	22.0	6.7	2.4	140	46
SEP									
24.	0900	9827	9827	8.1	18.0	7.6	1.9	140	37

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0905	21	241	2	3.20	<0.050	1.1	0.160
NOV								
19.	0820	19	241	2	4.30	<0.050	0.86	0.070
DEC								
18.	0835	6.5	149	10	1.40	<0.050	--	0.200
JAN								
29.	0840	11	172	4	2.40	<0.050	0.25	0.070
FEB								
26.	0825	16	209	6	2.20	<0.050	0.75	0.120
APR								
02.	0640	13	206	8	1.90	0.090	--	0.110
23.	0740	7.9	175	7	2.00	<0.050	0.61	0.110
MAY								
07.	0820	5.2	162	6	1.50	<0.050	0.51	0.110
JUN								
25.	0815	10	197	4	2.00	0.050	0.55	<0.030
JUL								
23.	0745	24	217	9	2.40	--	--	0.120
AUG								
27.	0810	28	250	8	2.70	<0.050	0.90	0.200
SEP								
24.	0900	17	222	3	2.60	0.150	0.69	0.120

07194810 CLEAR CREEK AT JOHNSON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0905	0.170	3.8	<0.5	<1	<25	<2	<8
NOV								
19.	0820	0.040	--	<0.5	--	--	<2	--
DEC								
18.	0835	0.140	7.2	--	<1	<25	<2	<8
JAN								
29.	0840	0.050	3.4	<0.5	<1	<25	<2	<8
FEB								
26.	0825	0.060	5.0	<0.5	<1	<25	<2	--
APR								
02.	0640	0.110	4.5	<0.5	<1	<25	<2	15
23.	0740	<0.030	2.9	<0.5	<1	<25	<2	<8
MAY								
07.	0820	0.080	4.3	<0.5	<1	<25	<2	<8
JUN								
25.	0815	0.050	6.2	<0.5	<1	<25	<2	--
JUL								
23.	0745	0.050	5.7	<0.5	<1	<25	<2	<8
AUG								
27.	0810	0.190	5.7	<0.5	<1	<25	<2	<8
SEP								
24.	0900	0.110	4.3	<0.5	<1	<25	<2	<8

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARKANSAS

LOCATION.--Lat 36°13'19", long 94°17'18", in SW¼NE¼ sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0750	9827	9827	80	7.9	9.0	9.3	1.2	130
NOV									
19.	0730	9827	9827	35	7.9	11.0	8.9	2.5	140
DEC									
18.	0835	9827	9827	183	7.8	10.0	9.0	4.0	110
JAN									
29.	0852	9827	9827	204	7.9	9.0	9.8	--	120
FEB									
26.	0928	9827	9827	100	8.3	7.0	12.0	3.3	130
MAR									
26.	0717	9827	9827	142	7.9	17.0	8.0	6.0	120
APR									
23.	0835	9827	9827	204	7.8	12.0	9.2	0.5	120
MAY									
07.	0845	9827	9827	142	7.9	15.0	9.2	1.0	130
JUN									
25.	0848	9827	9827	80	8.2	--	7.4	1.2	140
JUL									
23.	1100	9827	9827	47	8.3	25.0	--	0.4	140
AUG									
27.	0800	9827	9827	80	8.0	21.0	6.7	0.7	130
SEP									
24.	0720	9827	9827	80	8.2	18.0	7.5	1.4	130

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0750	20	16	215	2	2.80	<0.050	0.280
NOV								
19.	0730	21	18	216	3	--	<0.050	0.530
DEC								
18.	0835	14	11	175	16	--	<0.050	0.560
JAN								
29.	0852	9.0	9.9	166	8	3.70	<0.050	0.170
FEB								
26.	0928	18	13	190	3	3.60	<0.050	--
MAR								
26.	0717	12	10	187	15	2.90	<0.050	--
APR								
23.	0835	10	8.6	223	14	3.50	<0.050	0.190
MAY								
07.	0845	9.0	8.2	176	8	3.00	<0.050	0.330
JUN								
25.	0848	14	17	207	12	--	<0.050	--
JUL								
23.	1100	20	19	217	10	2.10	<0.050	0.540
AUG								
27.	0800	21	20	207	8	2.10	<0.050	0.550
SEP								
24.	0720	24	18	203	6	2.40	<0.050	1.00

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0750	--	4.3	<0.5	<1	<25	<2	<8
NOV								
19.	0730	0.460	3.7	<0.5	<1	--	<2	<8
DEC								
18.	0835	0.360	--	--	<1	<25	<2	<8
JAN								
29.	0852	0.180	4.6	<0.5	<1	<25	<2	<8
FEB								
26.	0928	0.310	2.6	<0.5	<1	<25	<2	<8
MAR								
26.	0717	0.260	3.4	<0.5	<1	<25	<2	<8
APR								
23.	0835	0.150	3.9	<0.5	<1	<25	<2	--
MAY								
07.	0845	0.240	3.8	<0.5	--	<25	<2	<8
JUN								
25.	0848	0.780	4.5	<0.5	<1	<25	<2	--
JUL								
23.	1100	0.490	4.9	<0.5	<1	<25	<2	<8
AUG								
27.	0800	0.440	4.8	<0.5	<1	<25	<2	<8
SEP								
24.	0720	0.870	3.6	<0.5	<1	<25	<2	--

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARKANSAS

LOCATION.--Lat 36°08'41", long 94°29'41", in SW¼ SW¼ sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi downstream from Osage Creek, and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1055	9827	9827	210	8.0	12.0	9.9	0.7	120
NOV									
19.	1220	9827	9827	145	8.3	15.0	12.5	0.9	130
DEC									
18.	1334	9827	9827	1400	7.8	10.0	9.5	4.0	100
JAN									
29.	1212	9827	9827	1580	7.9	9.0	10.8	--	110
FEB									
26.	1255	9827	9827	340	8.5	10.0	13.0	1.6	120
MAR									
26.	1048	9827	9827	719	7.8	18.0	8.8	1.7	96
APR									
23.	1226	9827	9827	910	7.8	15.0	9.1	0.6	100
MAY									
07.	1245	9827	9827	545	7.9	18.0	9.2	0.9	110
JUN									
25.	1220	9827	9827	175	7.9	--	7.2	0.9	120
JUL									
23.	1425	9827	9827	80	8.3	29.0	--	0.2	120
AUG									
27.	1120	9827	9827	90	8.0	25.0	7.5	1.6	120
SEP									
24.	1045	9827	9827	220	8.1	20.0	7.9	1.5	130

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1055	13	12	182	4	2.30	0.270	0.150
NOV								
19.	1220	19	15	181	4	--	<0.050	0.220
DEC								
18.	1334	17	7.9	153	48	--	0.060	0.280
JAN								
29.	1212	10	7.6	142	9	3.10	0.240	0.100
FEB								
26.	1255	12	9.0	155	4	2.70	<0.050	--
MAR								
26.	1048	10	6.3	132	18	1.80	<0.050	--
APR								
23.	1226	9.0	6.0	141	16	2.30	0.050	0.130
MAY								
07.	1245	6.0	5.5	146	16	2.00	<0.050	0.150
JUN								
25.	1220	9.0	11	172	14	--	<0.050	--
JUL								
23.	1425	11	14	181	9	1.10	0.080	0.350
AUG								
27.	1120	14	15	180	13	1.40	<0.050	0.250
SEP								
24.	1045	19	14	181	6	2.10	0.060	0.290

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1055	--	3.4	<0.5	<1	<25	3	<8
NOV								
19.	1220	0.170	3.8	<0.5	<1	--	<2	<8
DEC								
18.	1334	0.150	--	--	<1	<25	<2	<8
JAN								
29.	1212	0.090	2.7	<0.5	<1	<25	<2	<8
FEB								
26.	1255	0.120	3.5	<0.5	<1	<25	<2	<8
MAR								
26.	1048	0.120	2.8	<0.5	<1	<25	<2	23
APR								
23.	1226	0.080	3.6	<0.5	<1	<25	<2	--
MAY								
07.	1245	0.110	2.7	<0.5	--	<25	<2	<8
JUN								
25.	1220	0.320	3.2	<0.5	<1	<25	<2	--
JUL								
23.	1425	0.270	4.3	<0.5	<1	<25	<2	<8
AUG								
27.	1120	0.270	6.9	<0.5	<1	<25	<2	<8
SEP								
24.	1045	0.250	3.4	<0.5	<1	<25	<2	--

07195800 FLINT CREEK AT SPRINGTOWN, ARKANSAS

LOCATION.--Lat 36°15'20", long 94°25'50", in NW¼ sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2.

PERIOD OF RECORD.--June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good below 50 ft ft^3/s and poor above.

AVERAGE DISCHARGE.--30 years, 14.5 ft^3/s, 13.87 in/yr, 10,510 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s June 8, 1974, gage height, 17.51 ft, from flood-marks, from rating curve extended above 260 ft^3/s on basis of contracted-opening, and flow-over-road measurement of peak flow; no flow for part of July 9, 29, 30, Aug. 7, 1964, Sept. 16, 1980, result of pumpage for irrigation upstream from gage.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 27	1215	317	6.63	Apr. 13	1715	*605	*7.51

Minimum discharge, 1.5 ft^3/s Aug. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	5.7	22	40	14	10	9.4	10	7.5	3.6	2.4	4.9
2	5.1	6.3	22	36	13	11	9.8	9.4	7.5	4.3	2.1	5.2
3	9.6	6.5	28	30	13	9.5	13	24	7.1	5.1	2.3	5.8
4	11	8.8	23	27	12	9.0	15	22	6.8	4.9	2.2	10
5	7.6	11	19	26	12	8.5	14	19	7.3	4.2	2.1	6.3
6	6.7	8.0	17	36	12	8.4	13	17	6.8	4.0	1.7	5.3
7	6.5	6.9	15	43	11	8.2	12	15	6.0	3.9	2.1	5.1
8	10	5.8	13	39	11	8.4	12	14	5.8	3.9	2.0	7.1
9	17	9.2	11	37	10	7.8	12	13	5.6	3.7	2.7	6.5
10	13	6.5	11	94	9.6	7.5	11	12	5.5	4.0	3.3	6.6
11	11	7.8	9.8	89	9.6	7.5	12	11	5.5	3.8	3.6	5.2
12	8.9	7.5	9.4	66	9.9	7.8	17	10	5.5	4.3	3.2	5.2
13	7.6	7.3	8.7	55	10	7.9	208	9.9	5.3	5.5	3.3	5.3
14	6.7	7.4	8.2	49	10	8.0	123	9.4	5.6	5.0	4.8	5.3
15	6.2	7.3	7.8	72	9.6	8.4	70	9.1	5.1	4.5	3.9	5.1
16	5.7	7.5	7.9	71	9.4	8.3	53	8.5	5.0	4.1	3.2	11
17	5.6	7.6	16	57	9.6	12	43	8.4	4.9	4.2	3.1	9.1
18	5.5	7.4	21	48	9.6	11	38	8.4	5.0	4.0	4.3	20
19	5.5	7.5	19	43	9.2	11	31	8.0	4.7	4.3	3.2	13
20	5.1	7.5	17	38	9.1	10	26	9.1	4.3	4.9	2.5	6.5
21	5.5	8.4	15	33	9.1	11	22	9.1	4.2	5.3	3.3	4.9
22	5.5	11	13	31	9.0	13	20	8.1	4.2	5.0	4.8	6.8
23	5.3	8.3	11	27	8.5	13	18	7.9	4.1	4.8	3.4	8.7
24	5.1	7.8	11	25	8.6	12	16	8.1	3.8	9.7	3.3	6.8
25	5.5	7.4	9.8	22	9.1	12	15	19	3.7	7.9	4.0	5.5
26	5.5	16	9.1	20	9.1	11	14	15	3.5	3.8	3.5	4.6
27	5.5	79	9.1	19	8.6	12	14	11	3.5	2.9	3.7	4.3
28	5.5	44	9.0	18	8.5	11	13	9.5	3.7	3.1	3.4	4.0
29	5.5	33	47	17	---	11	12	8.9	3.8	2.8	3.6	3.7
30	5.5	27	57	16	---	10	11	8.0	3.6	2.7	4.6	3.6
31	5.5	---	46	14	---	9.6	---	7.9	---	2.7	4.6	---
TOTAL	220.2	391.4	542.8	1238	284.1	305.8	897.2	359.7	154.9	136.9	100.2	201.4
MEAN	7.10	13.0	17.5	39.9	10.1	9.86	29.9	11.6	5.16	4.42	3.23	6.71
MAX	17	79	57	94	14	13	208	24	7.5	9.7	4.8	20
MIN	5.1	5.7	7.8	14	8.5	7.5	9.4	7.9	3.5	2.7	1.7	3.6
AC-FT	437	776	1080	2460	564	607	1780	713	307	272	199	399
CFSM	.50	.92	1.23	2.81	.71	.69	2.11	.82	.36	.31	.23	.47
IN.	.58	1.03	1.42	3.24	.74	.80	2.35	.94	.41	.36	.26	.53

CAL YR 1990 TOTAL 8952.4 MEAN 24.5 MAX 1010 MIN 3.4 AC-FT 17760 CFSM 1.73 IN. 23.45
WTR YR 1991 TOTAL 4832.6 MEAN 13.2 MAX 208 MIN 1.7 AC-FT 9590 CFSM .93 IN. 12.66

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLAHOMA

LOCATION.--Lat 36°12'58", long 94°36'15", in NE¼NE¼ sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--12 years, 45.6 ft^3/s, 33,040 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,650 ft^3/s May 3, 1990, gage height, 12.67 ft, from rating curve extended above 3,300 ft^3/s; minimum daily, 0.40 ft^3/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft^3/s May 24, gage height, 7.50 ft; minimum, 8.3 ft^3/s Sept. 27-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	15	56	92	48	32	29	e33	36	17	15	13
2	14	15	54	79	47	33	28	e30	34	16	14	13
3	15	15	63	70	43	31	39	e30	33	15	18	18
4	21	20	56	62	43	30	45	e190	32	15	15	60
5	18	21	48	59	43	30	42	e120	31	15	15	30
6	15	21	43	78	42	30	41	e90	30	15	14	18
7	14	20	39	107	39	29	38	e80	28	15	14	16
8	16	18	35	99	39	29	37	e75	27	15	13	14
9	26	18	33	92	39	30	34	e70	27	15	14	14
10	26	18	31	234	39	29	33	e65	27	14	14	13
11	24	18	29	246	38	27	33	e55	26	14	14	12
12	21	18	28	173	35	27	41	e53	26	13	14	12
13	17	18	27	140	35	27	280	e50	25	13	14	11
14	16	17	27	123	35	27	386	e45	21	13	14	11
15	14	18	27	152	34	27	190	e40	20	13	14	12
16	14	19	25	183	34	28	139	e37	20	13	13	13
17	14	19	41	147	34	36	111	e35	19	13	14	12
18	16	19	65	126	34	34	97	e30	19	13	14	15
19	17	19	56	114	34	32	e80	e28	19	13	12	17
20	15	19	49	102	33	31	e65	e25	18	13	12	17
21	15	21	43	90	33	32	e60	e35	18	13	14	15
22	15	24	40	82	30	35	e55	e30	18	13	12	16
23	14	22	38	77	29	35	e50	e25	18	12	12	16
24	14	21	34	71	29	35	e48	110	18	12	12	13
25	14	20	31	66	30	35	e46	253	18	13	12	13
26	14	30	30	63	29	34	e45	92	17	11	12	11
27	14	136	28	60	29	33	e43	72	17	10	12	9.2
28	14	123	28	58	29	31	e41	60	17	11	12	8.3
29	14	82	114	54	---	32	e37	47	17	10	12	8.3
30	14	66	173	52	---	31	e35	42	17	10	12	8.3
31	15	---	116	49	---	29	---	38	---	15	12	---
TOTAL	509	910	1507	3200	1006	961	2248	1985	693	413	415	459.1
MEAN	16.4	30.3	48.6	103	35.9	31.0	74.9	64.0	23.1	13.3	13.4	15.3
MAX	26	136	173	246	48	36	386	253	36	17	18	60
MIN	14	15	25	49	29	27	28	25	17	10	12	8.3
AC-FT	1010	1800	2990	6350	2000	1910	4460	3940	1370	819	823	911

CAL YR 1990 TOTAL 26021.0 MEAN 71.3 MAX 2370 MIN 9.3 AC-FT 51610
WTR YR 1991 TOTAL 14306.1 MEAN 39.2 MAX 386 MIN 8.3 AC-FT 28380

e Estimated

07196900 BARON FORK AT DUTCH MILLS, ARKANSAS

LOCATION.--Lat 35°52′48", long 94°29′11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--40.6 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD Ark. 1989: Drainage area.

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

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

AVERAGE DISCHARGE.--33 years, 42.7 ft^3/s, 14.28 in/yr, 30,940 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft^3/s Nov. 18, 1985, gage height, 14.81 ft, from rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurement at 12,900 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 8	1900	2,610	6.51	May 24	2400	*4,210	*7.90
Apr. 13	1815	2,080	5.98				

Minimum discharge, 0.58 ft^3/s July 22-24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	11	59	106	34	32	32	19	19	1.5	1.0	3.1
2	3.4	12	110	105	36	48	28	17	20	1.5	1.1	2.1
3	4.6	13	238	109	41	40	193	274	20	4.3	1.2	2.1
4	16	29	107	91	38	31	150	89	14	6.4	1.2	2.5
5	10	36	84	107	34	28	80	51	15	2.7	1.1	2.1
6	6.8	24	71	364	32	24	57	40	17	1.8	1.0	1.9
7	6.0	18	61	229	29	19	49	32	11	1.5	.97	1.8
8	397	16	54	157	28	17	47	27	9.7	1.3	.79	1.7
9	246	22	50	149	26	15	39	23	8.3	1.1	.83	1.5
10	92	24	46	471	24	13	32	21	7.2	1.1	.92	1.3
11	56	21	43	239	29	13	52	18	6.8	1.0	.90	1.1
12	41	19	42	153	25	13	461	16	7.0	1.0	.90	1.0
13	32	17	39	122	20	11	478	14	5.8	.96	1.3	.98
14	26	16	38	105	19	11	332	13	4.6	.91	.96	.91
15	22	16	37	317	19	10	163	14	3.9	.98	.89	.84
16	18	15	52	205	17	10	106	12	3.7	.89	.97	2.7
17	16	15	186	136	15	43	80	11	3.6	.89	1.1	5.6
18	20	14	232	112	14	37	181	10	3.6	.88	1.1	6.9
19	16	15	136	190	13	28	93	11	4.0	.79	1.2	20
20	14	15	100	142	13	22	70	11	3.4	.70	1.3	7.0
21	14	22	107	105	12	21	59	15	3.0	.69	79	3.5
22	13	58	87	90	16	417	55	11	2.8	.65	13	3.7
23	12	40	70	82	18	154	47	11	3.3	.62	4.2	17
24	10	32	61	72	18	84	40	293	2.9	.91	5.8	9.1
25	11	27	54	65	16	59	38	796	2.6	1.1	2.7	6.2
26	10	30	53	60	62	48	33	122	2.3	1.2	2.0	3.8
27	9.7	307	53	58	62	78	39	65	2.1	1.2	1.7	2.5
28	8.7	150	62	54	40	54	34	45	1.9	1.3	1.6	1.7
29	8.6	91	552	50	---	50	31	35	1.8	1.2	1.5	1.4
30	9.1	71	270	46	---	45	24	29	1.6	1.1	1.9	1.1
31	9.2	---	133	36	---	37	---	23	---	1.0	4.7	---
TOTAL	1162.5	1196	3287	4327	750	1512	3123	2168	211.9	43.17	138.83	117.13
MEAN	37.5	39.9	106	140	26.8	48.8	104	69.9	7.06	1.39	4.48	3.90
MAX	397	307	552	471	62	417	478	796	20	6.4	79	20
MIN	3.4	11	37	36	12	10	24	10	1.6	.62	.79	.84
AC-FT	2310	2370	6520	8580	1490	3000	6190	4300	420	86	275	232
CFSM	.92	.98	2.61	3.44	.66	1.20	2.56	1.72	.17	.03	.11	.10
IN.	1.07	1.10	3.01	3.96	.69	1.39	2.86	1.99	.19	.04	.13	.11

CAL YR 1990 TOTAL 37310.93 MEAN 102 MAX 3360 MIN .78 AC-FT 74010 CFSM 2.52 IN. 34.19
WTR YR 1991 TOTAL 18036.53 MEAN 49.4 MAX 796 MIN .62 AC-FT 35780 CFSM 1.22 IN. 16.53

07196900 BARON FORK AT DUTCH MILLS, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1153	9827	9827	12	7.9	11.0	9.4	0.8	160
NOV									
19.	1324	9827	9827	15	7.9	13.0	9.4	1.1	170
DEC									
18.	1322	9827	9827	241	7.9	10.0	10.5	3.4	78
JAN									
29.	1318	9827	9827	51	8.2	9.0	12.7	--	130
FEB									
26.	1357	9827	9827	106	9.0	8.0	16.0	1.8	130
MAR									
26.	1148	9827	9827	48	8.1	18.0	9.8	1.7	120
APR									
23.	1330	9827	9827	48	8.4	16.0	12.4	0.8	120
MAY									
07.	1344	9827	9827	33	8.2	19.0	11.3	0.6	140
JUN									
25.	1321	9827	9827	2.6	7.9	--	6.6	1.5	160
AUG									
27.	0800	9827	9827	1.7	7.9	25.0	7.5	1.7	150
SEP									
24.	1200	9827	9827	9.1	8.2	18.0	7.9	0.6	160

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1153	15	8.0	213	2	3.30	<0.050	0.110
NOV								
19.	1324	25	10	209	2	--	<0.050	0.120
DEC								
18.	1322	13	4.8	117	10	--	<0.050	0.250
JAN								
29.	1318	13	5.7	157	6	3.50	<0.050	0.060
FEB								
26.	1357	19	7.7	164	6	2.00	<0.050	--
MAR								
26.	1148	13	4.3	150	4	1.80	<0.050	--
APR								
23.	1330	13	4.5	155	2	1.90	<0.050	0.080
MAY								
07.	1344	11	3.5	171	6	1.60	<0.050	0.100
JUN								
25.	1321	11	6.8	188	4	--	<0.050	--
AUG								
27.	0800	18	6.9	182	8	1.20	<0.050	0.080
SEP								
24.	1200	27	8.7	200	<1	2.80	0.050	0.150

07196900 BARON FORK AT DUTCH MILLS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1153	--	4.8	<0.5	<1	<25	3	<8
NOV								
19.	1324	0.070	4.0	<0.5	<1	--	<2	<8
DEC								
18.	1322	0.110	--	--	<1	<25	<2	<8
JAN								
29.	1318	0.060	3.5	<0.5	<1	<25	<2	<8
FEB								
26.	1357	0.040	3.0	<0.5	<1	<25	<2	<8
MAR								
26.	1148	0.090	3.4	<0.5	<1	<25	<2	--
APR								
23.	1330	0.070	4.0	<0.5	<1	<25	3	--
MAY								
07.	1344	0.070	2.7	<0.5	--	<25	<2	<8
JUN								
25.	1321	0.070	4.6	<0.5	<1	<25	<2	--
AUG								
27.	0800	--	7.7	<0.5	<1	<25	<2	<8
SEP								
24.	1200	0.130	4.2	<0.5	<1	<25	<2	--

07246940 POTEAU RIVER AT WALDRON, ARKANSAS

LOCATION.--Lat 34°53'46", long 94°03'57", in SW¼SE¼ sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at downstream side of bridge on State Highway 80 in Waldron, 1.8 mi east of Waldron High School.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1130	9827	9827	96	7.2	16.0	8.5	2.9	18
NOV									
06.	1313	9827	9827	--	7.2	12.0	10.1	2.1	36
DEC									
04.	0930	9827	9827	26	7.3	5.0	11.7	2.3	24
JAN									
15.	1125	9827	9827	--	6.9	6.0	11.0	--	16
FEB									
12.	1427	9827	9827	--	7.9	11.0	12.3	1.0	18
MAR									
19.	1115	9827	9827	18	7.7	14.0	10.5	1.6	26
APR									
09.	0830	9827	9827	15	7.3	18.0	8.1	1.7	24
30.	0819	9827	9827	46	7.1	16.0	9.0	1.0	12
JUN									
11.	0720	9827	9827	--	7.3	24.0	4.1	2.8	40
JUL									
02.	0800	9827	9827	--	6.9	29.0	4.0	--	46

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	1130	10	5.3	82	19	0.370	--	0.98	0.180
NOV									
06.	1313	14	7.7	95	16	0.070	--	--	--
DEC									
04.	0930	15	8.1	94	15	0.260	<0.050	1.3	0.070
JAN									
15.	1125	9.0	4.2	66	173	0.340	0.150	0.87	0.290
FEB									
12.	1427	20	5.2	49	6	0.060	<0.050	0.50	0.060
MAR									
19.	1115	14	7.7	79	10	<0.020	0.050	0.35	0.060
APR									
09.	0830	15	5.9	70	11	<0.020	0.120	0.56	0.050
30.	0819	5.0	3.0	62	15	<0.020	<0.050	0.74	0.070
JUN									
11.	0720	9.0	5.3	83	6	0.020	0.060	1.0	0.070
JUL									
02.	0800	57	77	299	15	1.70	1.69	2.5	12.1

07246940 POTEAU RIVER AT WALDRON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1130	0.090	10	<0.5	<1	<25	<2	<8
NOV								
06.	1313	<0.030	6.3	<0.5	<1	<25	3	<8
DEC								
04.	0930	<0.030	7.8	<0.5	<1	<25	<2	<8
JAN								
15.	1125	0.200	10	<0.5	<1	<25	<2	<8
FEB								
12.	1427	<0.030	3.3	<0.5	--	<25	<2	--
MAR								
19.	1115	<0.030	4.8	<0.5	<1	<25	<2	8
APR								
09.	0830	<0.030	6.3	<0.5	<1	<25	<2	--
30.	0819	<0.030	7.6	<0.5	<1	<25	<2	<8
JUN								
11.	0720	<0.030	5.2	<0.5	<1	<25	<2	<8
JUL								
02.	0800	11.8	13	<0.5	<1	<25	<2	<8

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARKANSAS

LOCATION.--Lat 34°54'47", long 94°06'28", in SE¼SW¼ sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron city limits and Kansas City Southern Railroad crossing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1110	9827	9827	98	7.1	17.0	7.7	2.6	24
NOV									
06.	1259	9827	9827	--	6.8	15.0	6.6	1.4	54
DEC									
04.	0913	9827	9827	27	7.3	6.0	10.2	4.2	34
JAN									
15.	1110	9827	9827	--	6.9	6.0	10.9	--	16
FEB									
12.	1412	9827	9827	--	7.3	12.0	11.9	1.9	18
MAR									
19.	1103	9827	9827	20	7.1	15.0	8.5	4.6	38
APR									
09.	0811	9827	9827	17	7.3	19.0	7.0	1.3	24
30.	0805	9827	9827	48	7.0	17.0	8.1	1.3	16
JUN									
11.	0708	9827	9827	--	7.7	25.0	6.2	1.1	130
JUL									
02.	0728	9827	9827	--	6.9	28.0	3.1	--	54
AUG									
13.	0745	9827	9827	--	7.4	28.0	4.2	4.5	54
SEP									
10.	0800	9827	9827	--	7.2	27.0	4.4	2.0	46

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	1110	12	6.0	94	26	0.670	--	1.4	--
NOV									
06.	1259	48	28	200	37	2.60	--	--	--
DEC									
04.	0913	23	18	137	13	0.820	0.400	1.8	1.30
JAN									
15.	1110	8.0	5.6	62	272	0.380	0.220	1.2	0.470
FEB									
12.	1412	19	7.1	63	12	0.270	0.250	0.92	0.690
MAR									
19.	1103	28	24	151	18	1.60	0.280	0.79	3.10
APR									
09.	0811	14	5.9	71	15	0.110	0.070	0.70	0.240
30.	0805	6.0	3.6	65	24	0.030	0.110	0.98	0.240
JUN									
11.	0708	74	4.7	206	36	0.070	0.060	0.73	0.060
JUL									
02.	0728	58	77	301	13	1.80	1.73	2.5	12.2
AUG									
13.	0745	50	82	683	10	52.0	0.620	2.0	14.3
SEP									
10.	0800	42	62	562	12	49.0	0.190	0.65	11.8

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1110	0.260	11	<0.5	<1	<25	<2	<8
NOV								
06.	1259	--	9.1	<0.5	<1	<25	<2	<8
DEC								
04.	0913	1.23	9.8	<0.5	<1	<25	<2	<8
JAN								
15.	1110	0.280	11	<0.5	<1	<25	<2	<8
FEB								
12.	1412	0.450	5.7	<0.5	--	<25	<2	--
MAR								
19.	1103	2.43	8.2	<0.5	<1	<25	<2	18
APR								
09.	0811	0.190	6.7	<0.5	<1	<25	<2	--
30.	0805	0.140	7.6	<0.5	<1	<25	<2	<8
JUN								
11.	0708	<0.030	4.1	<0.5	<1	<25	<2	<8
JUL								
02.	0728	11.7	12	<0.5	<1	<25	<2	<8
AUG								
13.	0745	14.0	12	<0.5	<1	<25	<2	<8
SEP								
10.	0800	11.1	11	<0.5	<1	<25	<2	18

07247000 POTEAU RIVER AT CAUTHRON, ARKANSAS

LOCATION.--Lat 34°55'08", long 94°17'55", in NW¼SW¼ sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi^2.

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

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft above National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum. Satellite data collection platform installed September 13, 1991.

REMARKS.--Records good. As of September 1974, flow from 92.2 mi^2 upstream from this station is controlled by 16-floodwater detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity.

AVERAGE DISCHARGE.--52 years, 224 ft^3/s, 162,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft^3/s May 20, 1960, gage height, 23.76 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft^3/s Apr. 14, gage height, 17.57 ft; minimum, 0.95 ft^3/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	2.0	30	365	98	57	193	485	26	4.4	4.5	5.2
2	e10	4.1	26	422	93	108	162	340	27	3.5	3.1	6.6
3	e7.0	5.1	97	413	87	112	154	3170	23	3.7	5.4	9.4
4	e70	9.7	104	298	83	105	167	1240	22	5.6	7.1	5.8
5	48	93	68	251	101	89	133	832	70	12	3.6	4.6
6	37	58	52	2700	564	73	112	584	95	9.0	2.6	6.3
7	32	36	41	1740	286	67	101	419	32	4.9	1.8	11
8	773	25	35	853	215	57	139	324	17	4.3	1.4	7.5
9	1170	279	30	549	191	45	113	256	13	3.3	7.5	7.4
10	563	227	28	2030	171	46	88	219	13	3.3	21	14
11	253	119	31	1540	152	33	75	188	13	2.5	13	6.2
12	223	79	27	912	135	33	3520	160	30	2.6	6.8	3.1
13	202	61	29	605	134	24	4050	139	27	1.7	4.3	2.6
14	179	46	26	471	128	23	6510	113	17	1.9	3.8	1.9
15	165	36	22	2700	103	23	1720	87	15	2.8	3.2	1.5
16	153	29	19	1600	88	30	1240	80	400	2.9	3.2	1.8
17	147	27	26	972	86	40	983	74	184	1.9	2.6	2.4
18	145	23	148	678	89	42	2510	64	43	1.6	2.3	15
19	138	20	264	677	88	36	1230	68	25	2.7	1.8	20
20	94	18	128	580	76	31	816	71	16	15	1.8	34
21	68	15	173	417	65	29	635	69	12	7.6	2.5	17
22	70	16	215	325	60	3860	548	65	12	3.5	2.5	9.1
23	66	18	142	283	56	2030	479	54	20	2.3	2.9	6.0
24	46	16	102	243	53	955	347	47	24	2.0	3.3	4.2
25	17	14	88	209	50	695	269	144	15	2.7	3.3	3.8
26	11	12	85	187	49	481	221	106	12	3.2	3.0	2.8
27	7.5	14	202	170	46	659	2910	68	8.9	8.0	3.3	2.2
28	5.4	71	569	155	43	514	1220	49	6.4	16	4.8	1.5
29	3.9	75	1370	143	---	401	1320	39	4.8	53	4.3	1.3
30	3.4	43	1130	126	---	308	783	34	4.2	18	3.7	1.2
31	3.0	---	550	112	---	224	---	29	---	8.3	3.7	---
TOTAL	4720.2	1490.9	5857	22726	3390	11230	32748	9617	1227.3	214.2	138.1	215.4
MEAN	152	49.7	189	733	121	362	1092	310	40.9	6.91	4.45	7.18
MAX	1170	279	1370	2700	564	3860	6510	3170	400	53	21	34
MIN	3.0	2.0	19	112	43	23	75	29	4.2	1.6	1.4	1.2
AC-FT	9360	2960	11620	45080	6720	22270	64960	19080	2430	425	274	427

CAL YR 1990 TOTAL 167662.91 MEAN 459 MAX 16900 MIN .61 AC-FT 332600
WTR YR 1991 TOTAL 93574.1 MEAN 256 MAX 6510 MIN 1.2 AC-FT 185600

e Estimated

07249400 JAMES FORK NEAR HACKETT, ARKANSAS

LOCATION.--Lat 35°09'45", long 94°24'25", in NW¼NW¼ sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--33 years, 140 ft^3/s, 12.93 in/yr, 101,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s May 14, 1968, gage height, 23.00 ft, from rating curve extended above 20,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 06	2200	3,200	18.15	Apr. 14	0500	*4,920	*21.40
Jan. 15	2000	3,150	18.00	Apr. 18	1200	3,520	19.01
Apr. 12	1700	3,300	18.42				

Minimum daily discharge, 1.8 ft^3/s Jul 19, Aug. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	3.1	32	150	62	103	139	135	23	5.4	7.2	5.7
2	8.6	3.0	33	179	59	240	119	101	22	5.1	6.4	5.7
3	7.2	3.0	199	226	55	149	125	197	21	4.7	5.5	6.5
4	7.1	11	101	175	52	126	175	205	19	4.5	4.6	15
5	7.7	59	53	167	57	97	123	212	18	4.3	4.0	13
6	5.4	48	43	1440	263	81	99	152	17	4.1	3.0	8.6
7	4.9	29	36	1320	189	66	111	104	16	3.7	2.4	8.0
8	5.9	22	30	437	120	57	236	78	15	3.5	2.3	8.7
9	20	75	26	290	98	51	146	65	15	3.1	2.1	7.9
10	99	131	22	1180	86	47	104	60	14	2.7	2.0	7.7
11	40	68	19	728	77	44	81	55	14	2.3	2.0	7.2
12	21	48	18	363	70	43	1640	48	13	2.2	1.9	6.4
13	13	39	16	254	71	40	1630	42	13	2.1	2.0	6.6
14	10	33	15	213	74	37	3050	36	12	2.1	2.1	6.1
15	8.3	31	15	1540	58	35	1080	31	11	2.1	2.1	5.5
16	7.0	28	17	1110	50	33	507	29	11	2.0	2.0	6.2
17	6.3	30	75	390	50	43	328	28	17	2.0	2.1	80
18	6.6	28	386	282	51	55	2150	25	11	1.9	2.0	165
19	5.9	24	253	324	56	48	642	56	9.9	1.8	1.9	94
20	5.3	22	125	296	47	41	365	69	9.3	2.0	1.8	52
21	5.1	22	198	211	42	38	274	65	9.0	6.5	2.1	29
22	5.6	27	180	163	39	657	250	51	8.6	5.2	2.1	21
23	6.1	27	106	154	37	654	213	37	8.2	2.9	2.1	19
24	5.6	23	78	139	36	228	165	32	8.0	3.1	2.0	18
25	4.0	21	61	123	35	156	140	226	7.3	5.6	2.0	16
26	3.8	20	60	107	34	130	123	130	7.2	5.3	2.0	14
27	3.7	25	83	97	33	217	1080	56	6.7	4.5	2.3	13
28	3.5	63	245	93	31	248	446	40	6.4	5.5	3.3	12
29	3.3	55	466	86	---	206	297	32	6.0	8.9	5.0	11
30	3.3	39	497	78	---	300	193	27	5.8	14	5.5	9.7
31	3.3	---	200	69	---	174	---	24	---	8.8	5.4	---
TOTAL	346.5	1057.1	3688	12384	1932	4444	16031	2448	374.4	131.9	93.2	678.5
MEAN	11.2	35.2	119	399	69.0	143	534	79.0	12.5	4.25	3.01	22.6
MAX	99	131	497	1540	263	657	3050	226	23	14	7.2	165
MIN	3.3	3.0	15	69	31	33	81	24	5.8	1.8	1.8	5.5
AC-FT	687	2100	7320	24560	3830	8810	31800	4860	743	262	185	1350
CFSM	.08	.24	.81	2.72	.47	.98	3.64	.54	.08	.03	.02	.15
IN.	.09	.27	.93	3.13	.49	1.12	4.06	.62	.09	.03	.02	.17

CAL YR 1990 TOTAL 106163.9 MEAN 291 MAX 12200 MIN 1.9 AC-FT 210600 CFSM 1.98 IN. 26.87
WTR YR 1991 TOTAL 43608.6 MEAN 119 MAX 3050 MIN 1.8 AC-FT 86500 CFSM .81 IN. 11.04

07249400 JAMES FORK NEAR HACKETT, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1958 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1020	9827	9827	8.9	7.7	17.0	7.0	--	150
NOV									
06.	1157	9827	9827	47	7.5	12.0	8.3	0.7	190
DEC									
04.	0815	9827	9827	111	7.4	8.0	9.6	2.7	72
JAN									
15.	1015	9827	9827	825	7.2	6.0	10.9	--	38
FEB									
12.	1313	9827	9827	70	--	11.0	10.4	0.9	74
MAR									
19.	1003	9827	9827	48	7.6	13.0	9.3	0.7	98
APR									
09.	0706	9827	9827	156	7.3	14.0	7.6	1.6	46
30.	0714	9827	9827	206	7.3	18.0	7.5	0.6	48
JUN									
11.	0620	9827	9827	14	7.7	24.0	6.3	1.3	130
SEP									
10.	0710	9827	9827	7.4	7.6	27.0	5.0	0.2	160

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1020	83	4.2	243	20	0.040	--	0.060
NOV								
06.	1157	89	3.8	270	5	<0.020	--	--
DEC								
04.	0815	51	5.3	151	43	0.140	0.050	0.080
JAN								
15.	1015	23	4.7	90	98	0.500	0.080	0.130
FEB								
12.	1313	64	5.1	124	19	0.180	0.050	0.060
MAR								
19.	1003	68	4.9	165	15	<0.020	0.090	0.050
APR								
09.	0706	33	4.2	110	34	0.040	0.090	0.080
30.	0714	28	3.8	109	33	0.040	<0.050	0.100
JUN								
11.	0620	72	4.5	196	37	0.070	0.080	0.060
SEP								
10.	0710	98	5.0	263	8	<0.020	<0.050	0.040

07249400 JAMES FORK NEAR HACKETT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1020	<0.030	5.0	<0.5	<1	<25	<2	<8
NOV								
06.	1157	0.030	4.6	<0.5	<1	<25	<2	<8
DEC								
04.	0815	0.050	6.9	<0.5	<1	<25	<2	<8
JAN								
15.	1015	0.110	6.3	<0.5	<1	<25	<2	<8
FEB								
12.	1313	<0.030	3.3	<0.5	--	<25	<2	--
MAR								
19.	1003	<0.030	3.0	<0.5	<1	<25	<2	<8
APR								
09.	0706	0.040	5.6	<0.5	<1	<25	<2	--
30.	0714	<0.030	5.6	<0.5	<1	<25	<2	<8
JUN								
11.	0620	<0.030	5.0	<0.5	<1	<25	<2	<8
SEP								
10.	0710	<0.030	6.5	<0.5	<1	<25	<2	<8

07250000 LEE CREEK NEAR VAN BUREN, ARKANSAS

LOCATION.--Lat 35°29'40", long 94°26'58", in SE¼ sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft west of Arkansas-Oklahoma State line, 3.2 mi downstream from Webbers Creek, 6.8 mi northwest of Van Buren, and at mile 7.8.

DRAINAGE AREA.--426 mi^2.

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year.

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 408.04 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--47 years (1930-36, 1950-91), 520 ft^3/s, 16.58 in/yr, 376,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s May 6, 1960, gage height, 30.30 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks, discharge about 112,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 14	0400	*10,600	*12.46				

Minimum discharge, 0.12 ft^3/s Aug. 11-13, gage height, 0.29 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55	17	373	1110	375	422	844	386	178	16	.56	.60
2	.50	15	326	933	352	1010	767	334	173	15	.46	.60
3	.51	15	1210	918	335	885	878	1740	187	13	.39	.61
4	.45	22	961	883	329	747	2320	1930	190	13	.31	.71
5	.36	26	640	823	352	663	1460	1060	176	12	.27	16
6	.32	29	504	1120	518	609	1130	760	160	8.6	.23	36
7	.42	32	417	2110	492	547	1020	602	151	6.9	.21	20
8	6.2	33	370	1490	433	491	1150	494	136	6.3	.19	17
9	109	36	329	1170	410	448	1020	415	119	5.5	.19	13
10	349	35	293	1090	389	425	864	357	100	4.9	.17	10
11	215	53	275	2030	368	403	821	313	96	4.2	.15	8.6
12	145	56	264	1500	362	387	4960	275	91	3.5	.12	7.5
13	105	58	249	1160	349	367	5040	239	83	2.7	1.7	6.6
14	84	62	231	947	351	350	6950	209	71	2.1	1.9	6.1
15	69	63	217	1410	350	333	3440	186	64	1.9	1.6	5.6
16	56	60	211	2420	333	316	2150	170	61	1.4	2.0	6.0
17	49	56	255	1530	318	676	1530	155	55	1.3	2.1	6.6
18	44	54	1360	1160	312	1290	2840	142	48	1.1	3.1	15
19	37	54	1520	1150	304	942	2140	139	47	1.4	2.6	108
20	33	51	972	1270	291	802	1460	194	48	2.0	2.2	118
21	28	54	798	1030	275	718	1160	230	47	1.0	3.7	79
22	25	69	760	872	263	4280	1020	213	55	.82	3.6	85
23	24	72	649	782	250	3560	869	194	75	.71	2.0	97
24	23	74	549	705	241	1830	738	168	94	.87	1.7	107
25	22	101	483	632	243	1320	653	1530	60	1.7	1.6	108
26	22	114	440	575	242	1080	586	965	43	1.6	1.2	101
27	22	283	420	532	242	1080	564	562	33	1.7	.89	84
28	23	1150	418	501	242	1260	539	397	27	1.5	.76	70
29	21	670	1200	471	---	1070	510	304	22	1.1	.68	61
30	19	472	3670	437	---	1080	452	247	19	.81	.62	50
31	18	---	1620	404	---	946	---	209	---	.65	.59	---
TOTAL	1551.31	3886	21984	33165	9321	30337	49875	15119	2709	135.26	37.79	1244.52
MEAN	50.0	130	709	1070	333	979	1662	488	90.3	4.36	1.22	41.5
MAX	349	1150	3670	2420	518	4280	6950	1930	190	16	3.7	118
MIN	.32	15	211	404	241	316	452	139	19	.65	.12	.60
AC-FT	3080	7710	43610	65780	18490	60170	98930	29990	5370	268	75	2470
CFSM	.12	.30	1.66	2.51	.78	2.30	3.90	1.14	.21	.01	.00	.10
IN.	.14	.34	1.92	2.90	.81	2.65	4.36	1.32	.24	.01	.00	.11

CAL YR 1990 TOTAL 339335.51 MEAN 930 MAX 31000 MIN .32 AC-FT 673100 CFSM 2.18 IN. 29.63
WTR YR 1991 TOTAL 169364.88 MEAN 464 MAX 6950 MIN .12 AC-FT 335900 CFSM 1.09 IN. 14.79

07250500 ARKANSAS RIVER AT VAN BUREN, ARKANSAS

LOCATION.--Lat 35°25'42", long 94°21'37", in SE¼SW¼ sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi downstream from Lee Creek, 8.7 mi downstream from Poteau River, and at mile 316.5.

DRAINAGE AREA.--150,482 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	0915	9827	9827	7800	8.0	20.0	8.3	3.5	140
NOV									
06.	1055	9827	9827	6530	8.3	15.0	10.4	1.4	130
DEC									
04.	0700	9827	9827	9620	8.1	9.0	10.8	1.5	110
JAN									
15.	0910	9827	9827	1000	7.6	5.0	11.6	--	68
FEB									
12.	1136	9827	9827	0800	8.3	10.0	13.4	2.0	100
MAR									
19.	0830	9827	9827	1820	8.6	13.0	11.4	1.7	110
APR									
09.	1526	9827	9827	6840	8.1	20.0	9.6	2.6	120
30.	0620	9827	9827	7300	7.7	19.0	7.7	1.5	84
JUN									
11.	0525	9827	9827	2900	8.1	25.0	7.2	2.3	150
JUL									
02.	0530	9827	9827	111	7.2	29.0	4.0	1.5	56
SEP									
10.	0550	9827	9827	88	7.4	28.0	4.2	0.5	78

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	0915	42	85	324	18	0.070	--	--	0.110
NOV									
06.	1055	45	76	308	19	0.060	--	--	--
DEC									
04.	0700	41	53	255	24	0.100	<0.050	--	0.090
JAN									
15.	0910	19	19	141	21	0.440	0.100	--	0.080
FEB									
12.	1136	40	28	183	16	0.420	<0.050	--	0.080
MAR									
19.	0830	33	45	222	14	0.020	<0.050	--	0.070
APR									
09.	1526	37	61	257	35	0.090	0.050	--	0.070
30.	0620	25	42	204	32	0.090	0.100	--	0.120
JUN									
11.	0525	53	130	369	18	0.140	0.070	--	0.090
JUL									
02.	0530	19	7.5	125	24	0.350	0.050	--	0.080
SEP									
10.	0550	35	9.9	173	32	0.410	<0.050	0.79	0.080

07250500 ARKANSAS RIVER AT VAN BUREN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	0915	<0.030	7.2	<0.5	<1	<25	<2	<8
NOV								
06.	1055	<0.030	6.8	<0.5	<1	<25	<2	<8
DEC								
04.	0700	<0.030	5.4	<0.5	<1	<25	<2	<8
JAN								
15.	0910	0.090	5.9	<0.5	<1	<25	<2	<8
FEB								
12.	1136	<0.030	5.6	<0.5	--	<25	<2	--
MAR								
19.	0830	<0.030	4.7	<0.5	<1	<25	<2	<8
APR								
09.	1526	<0.030	5.9	<0.5	<1	<25	<2	--
30.	0620	<0.030	6.4	<0.5	<1	<25	<2	<8
JUN								
11.	0525	<0.030	4.6	<0.5	<1	<25	<2	<8
JUL								
02.	0530	0.090	6.0	<0.5	<1	<25	<2	<8
SEP								
10.	0550	0.030	8.5	<0.5	<1	<25	<2	<8

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARKANSAS
(National tritium station)
(National stream-quality accounting network station)

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in metal shelter on dam and at mile 308.9.

DRAINAGE AREA.--150,547 mi², of which 22,241 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren", and October 1969 to September 1988, published as "at Dam No. 13", near Van Buren. Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi upstream at datum 372.36 ft higher.

REMARKS.--Water-discharge records good, except for estimated daily discharges, which are fair. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 19, 1988, the Arkansas Electric Cooperative Corporation hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

AVERAGE DISCHARGE.--64 years, 32,580 ft³/s, 23,600,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft³/s May 12, 1943, gage height, 38.0 ft, from floodmark, site and datum then in use; maximum gage height, 38.10 ft, former site and datum, Apr. 16, 1945; no flow Nov. 2, 1975, Feb. 1, 1981, Oct. 17, 1987, Dec. 9, 1989.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 79,300 ft³/s Apr. 14, maximum tailwater elevation, 382.53 ft Apr. 14; minimum daily discharge, 48 ft³/s Feb. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11400	2380	11600	e15400	22800	14200	16200	40700	26000	8370	5270	235
2	15900	2100	6090	e22100	27800	15800	14500	37300	20300	9210	14800	2770
3	12500	3200	33900	e37200	17200	10600	13100	44200	30100	8890	6560	2390
4	11900	11300	18700	e36000	19700	7510	26500	57200	20600	3440	503	14900
5	15500	8830	17900	e25900	18500	1600	19700	58900	34400	7500	6250	4180
6	8040	5270	11900	e23700	19600	8320	17000	53700	42300	350	2190	2240
7	6650	8420	13600	e33900	21800	2420	10400	53800	50800	208	11900	133
8	20000	13300	4550	29100	16300	4440	16900	52600	54000	8370	10900	1890
9	31900	6750	12600	37400	18500	9500	20000	49100	54400	8110	1910	9080
10	15200	1870	8930	49300	9920	466	18300	46800	51100	8240	166	9340
11	15500	2790	7030	63900	10300	8650	24500	45100	47400	9550	228	2700
12	15400	e6650	10400	61400	13200	6370	36200	40400	42400	7540	1730	3710
13	7210	8290	12600	56400	7630	11800	47900	20200	38500	4090	3050	9590
14	4260	6830	13000	49200	12800	8340	59800	23000	39800	2160	4930	3590
15	8750	5900	8660	54400	11900	19300	52400	27500	37700	9530	6320	4580
16	9570	12600	6880	64700	5300	10400	43100	21400	21700	9850	5640	16900
17	8290	4000	23500	65000	48	1140	36900	26100	21800	7990	3080	8990
18	5540	1990	42000	63700	6930	8990	51100	18400	19600	8320	1570	12600
19	4990	11800	23200	54900	8210	7450	50900	28000	23600	7710	2970	2220
20	293	7430	23000	49700	6220	5580	44500	17400	20900	199	200	4220
21	294	7150	34500	48200	10800	20800	39200	14100	14000	214	133	3070
22	3500	1870	28800	43400	15200	27600	39700	17400	11000	8190	6520	166
23	7340	8180	e20400	42400	17800	35600	36300	18100	10200	7500	7070	6770
24	3560	2660	e10000	38400	11700	9490	22400	17900	9380	1960	183	6260
25	2850	654	e14700	33700	7340	14600	28800	43500	12800	4350	135	6100
26	2120	7830	e18600	25500	12800	12300	31500	45000	10600	1900	3320	3370
27	616	17500	e9930	23500	13600	19300	27500	39200	11700	2390	7380	7310
28	e1330	12500	e12000	22700	5210	18800	36500	36500	11700	5620	9160	5210
29	e3050	11200	e18000	23500	---	21100	47700	34600	10700	6970	9250	233
30	e11400	11700	e44400	22100	---	16500	44900	32500	6680	195	2160	4590
31	e3150	---	e16800	19000	---	10700	---	36100	---	7320	252	---
TOTAL	268003	212944	538170	1235700	369108	369666	974400	1096700	806160	176236	135730	159337
MEAN	8645	7098	17360	39860	13180	11920	32480	35380	26870	5685	4378	5311
MAX	31900	17500	44400	65000	27800	35600	59800	58900	54400	9850	14800	16900
MIN	293	654	4550	15400	48	466	10400	14100	6680	195	133	133
AC-FT	531600	422400	1067000	2451000	732100	733200	1933000	2175000	1599000	349600	269200	316000

CAL YR 1990 TOTAL 21514752 MEAN 58940 MAX 397000 MIN 282 AC-FT 42670000
WTR YR 1991 TOTAL 6342154 MEAN 17380 MAX 65000 MIN 48 AC-FT 12580000

e Estimated

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1981.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to September 1981.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT											
16.	1000	80513	80020	485	7.7	18.0	8.9	95	14900	12	K1900
DEC											
19.	1030	80513	80020	435	7.9	9.0	11.4	100	18000	15	K180
FEB											
27.	1100	80513	80020	395	8.2	8.0	12.0	102	23300	10	3

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
OCT											
16.	1000	1200	110	22	30	8.4	48	48	2	3.2	84
DEC											
19.	1030	>8000	120	20	32	8.5	43	44	2	2.9	94
FEB											
27.	1100	0	120	17	35	7.1	35	39	1	2.6	98

DATE	TIME	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT											
16.	1000	0	107	88	37	70	0.20	4.6	261	255	10500
DEC											
19.	1030	0	116	95	35	62	0.10	4.0	274	246	13300
FEB											
27.	1100	0	122	100	35	49	0.10	1.6	218	227	13700

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT										
16.	1000	0.35	0.020	<0.010	0.200	0.200	0.030	0.010	0.37	0.40
DEC										
19.	1030	0.37	0.020	<0.010	0.200	0.200	0.050	0.070	0.35	0.40
FEB										
27.	1100	0.30	<0.010	<0.010	0.240	0.250	0.030	0.040	0.67	0.70

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
16.	1000	0.050	0.040	0.040	0.020	--	--	--	--	--
DEC										
19.	1030	0.090	0.040	0.030	0.020	160	1	70	<0.5	<1.0
FEB										
27.	1100	0.070	0.020	<0.010	0.020	30	<1	61	<0.5	1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC										
19.	1030	<1	<3	3	98	1	4	3	0.6	<10
FEB										
27.	1100	<1	<3	4	38	1	<4	1	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
16.	1000	--	--	--	--	--	--	23	925	78
DEC										
19.	1030	1	<1	<1.0	240	<6	28	26	1260	92
FEB										
27.	1100	1	<1	<1.0	210	<6	8	15	944	87

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
APR											
16...	0930	80513	80513	30.0	3.00	5.00	360	7.6	18.0	8.2	87
16...	0932	80513	80513	90.0	2.00	8.00	361	7.6	18.0	8.2	87
16...	0933	80513	80513	90.0	6.00	8.00	362	7.6	18.0	8.2	88
16...	0934	80513	80513	150	2.00	8.00	362	7.6	18.0	8.2	87
16...	0935	80513	80513	150	6.00	8.00	362	7.6	18.0	8.2	87
16...	0936	80513	80513	210	2.00	10.0	363	7.6	18.0	8.2	88
16...	0937	80513	80513	210	8.00	10.0	363	7.6	18.0	8.2	87
16...	0938	80513	80513	270	2.00	10.0	363	7.6	18.0	8.1	87
16...	0939	80513	80513	270	8.00	10.0	363	7.6	18.0	8.1	87
16...	0940	80513	80513	330	3.00	14.0	363	7.6	18.0	8.1	87
16...	0941	80513	80513	330	11.0	14.0	363	7.6	18.0	8.1	87
16...	0942	80513	80513	390	3.00	15.0	360	7.6	18.0	8.0	85
16...	0943	80513	80513	390	12.0	15.0	361	7.6	18.0	8.0	86
16...	0944	80513	80513	450	4.00	19.0	355	7.6	18.0	8.0	85
16...	0945	80513	80513	450	15.0	19.0	353	7.6	18.0	8.0	86
16...	0946	80513	80513	510	4.00	20.0	339	7.5	18.0	8.0	85
16...	0947	80513	80513	510	16.0	20.0	336	7.5	18.0	8.0	85
16...	0948	80513	80513	570	4.00	20.0	335	7.5	18.0	7.8	83
16...	0949	80513	80513	570	16.0	20.0	335	7.5	18.0	7.8	83
16...	1000	80513	80020	--	--	--	350	8.0	18.0	8.0	86
JUL											
24...	0800	80513	80020	--	--	--	739	8.2	31.5	6.2	85
AUG											
19...	0930	80513	80020	--	--	--	820	7.9	28.0	7.4	96

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
APR											
16...	1000	44700	43	440	680	91	24	26	6.4	35	45
JUL											
24...	0800	494	3.4	10	31	160	43	43	12	93	56
AUG											
19...	0930	464	10	180	310	170	55	46	13	110	58

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
APR											
16...	1000	2	2.4	66	0	82	67	30	46	0.20	3.3
JUL											
24...	0800	3	3.7	114	0	139	114	58	150	0.30	0.35
AUG											
19...	0930	4	3.6	113	0	139	114	58	150	0.30	0.37

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
APR											
16...	1000	194	191	23400	0.26	0.020	<0.010	0.160	0.180	0.060	0.070
JUL											
24...	0800	425	429	567	0.58	<0.010	<0.010	<0.050	<0.050	0.040	0.060
AUG											
19...	0930	460	450	576	0.63	0.010	<0.010	<0.050	<0.050	0.030	0.020

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
APR											
16...	1000	0.54	0.60	--	0.100	0.020	0.050	<0.010	--	--	--
JUL											
24...	0800	0.76	0.80	0.40	0.050	0.020	0.020	0.020	50	2	99
AUG											
19...	0930	0.37	0.40	0.30	0.130	<0.010	0.050	0.040	<10	2	110

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
JUL											
24...	0800	<0.5	<1.0	<1	<3	2	10	<1	6	3	<0.1
AUG											
19...	0930	<0.5	<1.0	<1	<3	2	90	<1	5	5	<0.1

07250550 ARKANSAS RIVER AT JAMES W. TRIMBLE LOCK AND DAM, NEAR VAN BUREN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
APR											
16...	1000	--	--	--	--	--	--	--	62	7480	89
JUL											
24...	0800	<10	<1	<1	<1.0	390	<6	15	11	15	66
AUG											
19...	0930	<10	<1	<1	<1.0	440	<6	32	23	29	93

07252000 MULBERRY RIVER NEAR MULBERRY, ARKANSAS

LOCATION.--Lat 35°34'37", long 94°00'55", in SE¼SW¼ sec.31, T.11 N., R.29 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 mi^2.

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1007: 1943. WSP 1211: 1941-42. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

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

AVERAGE DISCHARGE.--53 years, 547 ft^3/s, 19.91 in/yr, 396,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft^3/s Dec. 3, 1982, gage height, 23.66 ft, from rating curve extended above 38,000 ft^3/s; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft, discharge, about 59,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 18	1300	*9,250	*9.14				

Minimum discharge, 1.8 ft^3/s Aug. 3-4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	19	308	2150	345	376	1300	1270	290	37	2.4	5.4
2	2.4	18	262	1740	312	1160	1070	974	247	31	2.2	6.6
3	2.5	17	875	1420	289	1110	1150	1330	230	31	2.0	8.4
4	2.7	19	993	1200	271	990	2910	2030	203	31	2.0	9.5
5	2.9	23	703	1080	277	900	2300	1630	178	27	2.0	9.0
6	3.1	23	529	1130	309	829	1870	1370	161	23	2.6	8.7
7	3.3	23	387	2200	320	747	1560	1090	141	21	2.7	8.0
8	4.7	23	318	1980	319	655	1360	878	128	19	2.6	7.3
9	9.1	25	272	1620	309	580	1120	710	110	17	2.4	6.8
10	34	25	242	1890	300	518	898	590	100	15	2.1	6.0
11	66	25	220	2890	282	468	772	518	116	14	2.0	5.1
12	67	24	201	2670	269	434	1390	448	129	12	2.0	5.0
13	57	24	185	2110	268	380	2740	383	124	11	2.3	4.7
14	49	24	176	1760	312	320	5740	330	106	9.6	2.6	4.7
15	45	24	168	1780	320	285	3920	293	97	8.5	2.4	4.7
16	41	24	157	2680	313	258	2630	272	99	7.8	2.2	5.0
17	40	24	161	2210	308	291	2090	253	127	7.0	2.7	5.7
18	40	24	262	1850	305	618	5220	231	157	6.4	2.9	11
19	40	24	785	1570	305	614	3680	231	157	5.7	4.4	18
20	37	25	722	1370	294	573	2480	256	136	5.2	4.7	21
21	35	28	667	1150	275	546	2010	532	105	4.8	9.9	21
22	32	99	823	987	258	1310	1710	446	85	4.4	12	21
23	30	229	777	888	247	2580	1370	371	87	3.8	13	24
24	27	212	652	811	237	1970	1090	313	76	4.3	11	24
25	26	168	559	738	227	1570	895	689	87	4.5	8.7	23
26	25	145	503	664	219	1250	766	881	81	4.7	7.6	21
27	23	191	478	598	211	1410	733	687	68	4.7	7.3	19
28	22	788	467	522	199	2060	893	551	58	4.4	7.0	17
29	22	598	1200	469	---	1830	1780	465	50	3.7	6.6	16
30	21	403	4450	429	---	1950	1700	409	42	3.2	5.9	15
31	20	---	3130	385	---	1610	---	360	---	2.8	5.4	---
TOTAL	831.9	3318	21632	44941	7900	30192	59147	20791	3775	384.5	145.6	361.6
MEAN	26.8	111	698	1450	282	974	1972	671	126	12.4	4.70	12.1
MAX	67	788	4450	2890	345	2580	5740	2030	290	37	13	24
MIN	2.2	17	157	385	199	258	733	231	42	2.8	2.0	4.7
AC-FT	1650	6580	42910	89140	15670	59890	117300	41240	7490	763	289	717
CFSM	.07	.30	1.87	3.89	.76	2.61	5.29	1.80	.34	.03	.01	.03
IN.	.08	.33	2.16	4.48	.79	3.01	5.90	2.07	.38	.04	.01	.04

CAL YR 1990 TOTAL 349046.00 MEAN 956 MAX 40900 MIN .50 AC-FT 692300 CFSM 2.56 IN. 34.81
WTR YR 1991 TOTAL 193419.6 MEAN 530 MAX 5740 MIN 2.0 AC-FT 383600 CFSM 1.42 IN. 19.29

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARKANSAS

LOCATION.--Lat 35°32'06", long 94°02'12", in NE¼NW¼ sec.24, T.10 N., R.28 W., Franklin County, Hydrologic Unit 11110201, at bridge on Interstate 40 near Mulberry.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1640	9827	9827	9.7	7.3	18.0	7.4	1.8	22
NOV									
06.	1014	9827	9827	25	7.2	14.0	9.2	0.9	16
DEC									
04.	1258	9827	9827	1060	7.3	8.0	11.3	2.1	14
JAN									
15.	1710	9827	9827	1900	7.1	7.0	11.4	--	12
FEB									
12.	1056	9827	9827	288	7.2	10.0	11.2	0.5	14
MAR									
19.	1740	9827	9827	657	7.3	14.0	10.5	0.2	16
APR									
09.	1445	9827	9827	1200	7.2	17.0	10.0	2.0	10
30.	1351	9827	9827	1820	7.2	18.0	9.4	0.7	14
JUN									
11.	1330	9827	9827	124	7.2	25.0	7.6	1.2	14
JUL									
02.	1445	9827	9827	33	7.2	32.0	7.3	0.5	14

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1640	3.0	4.0	41	3	0.040	--	<0.030
NOV								
06.	1014	3.0	3.1	32	2	<0.020	--	--
DEC								
04.	1258	6.0	2.5	50	10	0.110	<0.050	0.060
JAN								
15.	1710	2.0	2.0	19	7	0.260	<0.050	0.040
FEB								
12.	1056	5.0	2.1	21	2	0.130	<0.050	0.050
MAR								
19.	1740	3.0	3.0	33	3	0.020	0.080	0.040
APR								
09.	1445	5.0	2.4	28	3	0.020	0.070	<0.030
30.	1351	3.0	2.6	40	7	<0.020	<0.050	0.060
JUN								
11.	1330	3.0	2.2	34	4	0.090	<0.050	0.090
JUL								
02.	1445	2.0	2.5	26	2	0.040	0.060	0.070

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1640	<0.030	2.5	<0.5	<1	<25	<2	19
NOV								
06.	1014	<0.030	1.7	<0.5	<1	<25	<2	<8
DEC								
04.	1258	<0.030	2.7	<0.5	<1	<25	<2	<8
JAN								
15.	1710	0.040	1.2	<0.5	<1	<25	<2	<8
FEB								
12.	1056	<0.030	0.8	<0.5	--	<25	<2	--
MAR								
19.	1740	<0.030	1.4	<0.5	<1	<25	<2	<8
APR								
09.	1445	<0.030	1.5	<0.5	<1	<25	<2	--
30.	1351	<0.030	2.0	<0.5	<1	<25	<2	<8
JUN								
11.	1330	<0.030	1.4	<0.5	<1	<25	<2	<8
JUL								
02.	1445	0.050	1.6	<0.5	<1	<25	<2	<8

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARKANSAS

LOCATION.--Lat 35°28'21", long 93°48'46", in SW¼ sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi southeast of Ozark, and at mile 272.9.

DRAINAGE AREA.--151,801 mi², of which 22,241 mi² is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1600	9827	9827	33600	8.2	21.0	7.7	2.4	140
NOV									
06.	0941	9827	9827	8330	8.5	11.0	9.7	1.2	120
DEC									
04.	1431	9827	9827	18600	8.2	11.0	10.5	2.7	110
JAN									
15.	1645	9827	9827	58300	7.9	4.0	12.8	--	88
FEB									
12.	1023	9827	9827	1810	8.2	9.0	13.1	1.6	110
MAR									
19.	1710	9827	9827	--	8.9	15.0	12.4	2.8	100
APR									
09.	1404	9827	9827	18300	8.0	19.0	9.2	2.9	82
30.	1325	9827	9827	45800	8.1	23.0	8.5	1.5	94
JUN									
11.	1151	9827	9827	49100	8.2	26.0	7.8	2.1	160
JUL									
02.	1330	9827	9827	8940	8.7	32.0	10.2	3.5	160
AUG									
13.	1400	9827	9827	--	7.5	32.0	3.0	1.7	84
SEP									
10.	1350	9827	9827	10000	7.5	33.0	4.2	0.5	76

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1600	46	88	312	16	<0.020	--	0.090
NOV								
06.	0941	44	66	273	11	<0.020	--	--
DEC								
04.	1431	39	49	235	13	0.100	0.060	0.060
JAN								
15.	1645	25	25	166	22	0.480	0.110	0.080
FEB								
12.	1023	37	32	188	14	0.500	0.060	0.090
MAR								
19.	1710	33	32	191	10	0.020	<0.050	0.060
APR								
09.	1404	26	42	192	16	0.100	0.140	0.070
30.	1325	29	47	208	27	0.100	<0.050	0.100
JUN								
11.	1151	60	110	432	20	0.140	<0.050	0.080
JUL								
02.	1330	60	110	380	14	<0.020	<0.050	0.110
AUG								
13.	1400	24	13	157	16	0.270	0.050	0.030
SEP								
10.	1350	36	9.9	177	33	0.410	<0.050	0.090

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1600	<0.030	5.8	<0.5	<1	<25	<2	<8
NOV								
06.	0941	<0.030	5.6	<0.5	<1	<25	<2	<8
DEC								
04.	1431	<0.030	5.3	<0.5	<1	<25	<2	<8
JAN								
15.	1645	0.120	5.1	<0.5	<1	<25	<2	<8
FEB								
12.	1023	<0.030	4.5	<0.5	--	<25	<2	--
MAR								
19.	1710	<0.030	6.6	<0.5	<1	<25	<2	<8
APR								
09.	1404	<0.030	4.6	<0.5	<1	<25	<2	--
30.	1325	<0.030	6.8	<0.5	<1	<25	<2	<8
JUN								
11.	1151	0.030	7.4	<0.5	<1	<25	<2	<8
JUL								
02.	1330	0.060	7.4	<0.5	<1	<25	<2	<8
AUG								
13.	1400	<0.030	6.6	<0.5	<1	<25	<2	46
SEP								
10.	1350	0.030	7.5	<0.5	<1	<25	2	<8

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARKANSAS

LOCATION.--Lat 35°17'32", long 93°44'16", in SW¼NW¼ sec.11, T.7 N., R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 0.5 mi east of Paris.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
09.	1520	9827	9827	7.6	17.0	8.4	--	30	5.0
NOV									
06.	0830	9827	9827	7.1	11.0	9.4	0.6	16	6.0
DEC									
04.	1334	9827	9827	7.1	8.0	11.2	1.3	10	6.0
JAN									
15.	1605	9827	9827	7.0	6.0	11.6	--	12	2.0
FEB									
12.	0914	9827	9827	7.0	7.0	11.5	0.9	14	6.0
MAR									
19.	1550	9827	9827	7.1	16.0	9.5	0.6	12	5.0
APR									
09.	1238	9827	9827	7.6	20.0	8.9	1.1	12	5.0
30.	1241	9827	9827	7.1	--	8.7	1.1	10	4.0
JUN									
11.	1109	9827	9827	7.2	25.0	7.3	0.8	14	6.0
JUL									
02.	1245	9827	9827	7.5	29.0	4.1	1.7	62	55

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1520	3.6	46	3	0.220	--	0.50	<0.030
NOV								
06.	0830	2.4	47	2	0.140	--	--	--
DEC								
04.	1334	4.3	37	2	0.230	<0.050	0.61	<0.030
JAN								
15.	1605	3.2	36	45	0.460	0.180	0.58	0.070
FEB								
12.	0914	2.9	31	4	0.270	<0.050	0.54	0.060
MAR								
19.	1550	4.2	33	3	0.180	0.180	0.26	0.040
APR								
09.	1238	3.7	36	4	0.070	<0.050	0.52	0.040
30.	1241	2.9	36	16	<0.020	<0.050	0.74	0.110
JUN								
11.	1109	2.7	43	2	0.070	<0.050	0.66	0.050
JUL								
02.	1245	15	232	12	0.150	0.080	0.77	1.00

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1520	<0.030	3.9	<0.5	<1	<25	<2	<8
NOV								
06.	0830	<0.030	3.1	<0.5	<1	<25	<2	<8
DEC								
04.	1334	<0.030	2.9	<0.5	<1	<25	<2	<8
JAN								
15.	1605	0.070	4.1	<0.5	<1	<25	<2	<8
FEB								
12.	0914	<0.030	2.2	<0.5	--	<25	<2	--
MAR								
19.	1550	<0.030	2.4	<0.5	<1	<25	<2	<8
APR								
09.	1238	0.030	3.1	<0.5	<1	<25	<2	--
30.	1241	<0.030	3.9	<0.5	<1	<25	<2	<8
JUN								
11.	1109	0.030	2.0	<0.5	<1	<25	<2	<8
JUL								
02.	1245	0.760	3.6	<0.5	<1	<25	<2	<8

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARKANSAS

LOCATION.--Lat 35°13'43", long 93°44'37", in NW¼NE¼ sec.3, T.7N, R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on county road, 0.5 mi west of State Highway 109, 1.0 mi north of Paris.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
09.	1535	9827	9827	7.3	18.0	6.1	--	40	25
NOV									
06.	0900	9827	9827	7.1	11.0	8.1	1.1	28	9.0
DEC									
04.	1400	9827	9827	7.3	8.0	7.6	3.0	42	29
JAN									
15.	1620	9827	9827	7.1	6.0	11.3	--	14	5.0
FEB									
12.	0944	9827	9827	7.3	9.0	10.8	1.2	22	17
MAR									
19.	1622	9827	9827	7.6	16.0	11.1	1.1	28	20
APR									
09.	1302	9827	9827	7.5	20.0	8.7	3.2	20	14
30.	1249	9827	9827	7.2	20.0	8.7	1.6	12	5.0
JUN									
11.	1125	9827	9827	7.4	25.0	4.4	1.6	52	44
JUL									
02.	1310	9827	9827	7.5	28.0	4.1	1.6	62	56

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1535	8.8	115	28	1.50	--	0.85	1.35
NOV								
06.	0900	4.4	72	12	0.800	--	--	--
DEC								
04.	1400	10	135	19	0.850	0.090	1.3	1.16
JAN								
15.	1620	3.7	53	78	0.510	0.120	0.67	0.140
FEB								
12.	0944	4.1	59	6	0.510	<0.050	0.48	0.110
MAR								
19.	1622	6.5	97	6	0.230	<0.050	0.30	0.240
APR								
09.	1302	5.2	62	21	0.270	0.230	0.95	0.280
30.	1249	2.9	51	20	<0.020	<0.050	0.72	0.100
JUN								
11.	1125	12	199	7	2.40	0.130	1.1	0.800
JUL								
02.	1310	15	232	12	0.190	0.080	0.71	1.03

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1535	1.00	6.9	<0.5	<1	<25	<2	<8
NOV								
06.	0900	0.350	4.5	<0.5	<1	<25	<2	<8
DEC								
04.	1400	0.980	6.8	<0.5	<1	<25	<2	<8
JAN								
15.	1620	0.100	6.1	<0.5	<1	<25	<2	10
FEB								
12.	0944	0.060	2.3	<0.5	--	<25	<2	--
MAR								
19.	1622	0.180	4.2	<0.5	<1	<25	<2	<8
APR								
09.	1302	0.200	4.3	<0.5	<1	<25	<2	--
30.	1249	<0.030	3.2	<0.5	<1	<25	<2	<8
JUN								
11.	1125	0.610	2.8	<0.5	<1	<25	<2	<8
JUL								
02.	1310	0.780	4.4	<0.5	<1	<25	<2	<8

07257000 BIG PINEY CREEK NEAR DOVER, ARKANSAS

LOCATION.--Lat 35°32′58", long 93°09′30", in SW¼NE¼ sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi downstream from Indian Creek, 10.4 mi north of Dover, and at mile 28.0.

DRAINAGE AREA.--274 mi^2.

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1967, published as "Piney Creek near Dover."

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 487.66 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--41 years, 408 ft^3/s, 20.22 in/yr, 295,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft^3/s Dec. 3, 1982, gage height, 33.87 ft, from rating curve extended above 45,000 ft^3/s on basis of contracted-opening measurement of peak flow; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft, from floodmarks, discharge about 55,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 14	0100	*12,600	*12.69	Apr. 18	1000	9,680	11.18

Minimum discharge, 0.52 ft^3/s Aug. 16, gage height, 0.54 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	12	234	1270	162	193	759	1240	327	16	1.5	22
2	4.0	11	188	983	143	594	655	929	266	13	.83	70
3	3.8	11	1280	716	133	509	804	1810	221	11	.74	88
4	4.6	13	725	588	127	446	2490	1670	169	23	.73	66
5	5.9	13	452	534	134	417	1560	1280	134	28	.81	55
6	9.4	13	334	e1230	211	400	1170	1010	110	14	.91	39
7	10	14	254	e2130	221	349	968	798	93	13	.88	27
8	450	19	191	e1340	194	300	929	645	78	10	.78	22
9	544	23	152	1020	182	267	763	538	67	7.4	.75	15
10	382	24	126	2180	177	237	616	469	57	7.9	.74	12
11	194	24	110	3210	167	217	526	403	52	8.1	.61	9.6
12	117	24	99	2260	156	213	1990	340	51	6.0	.56	7.6
13	80	25	88	1520	209	200	5710	285	50	4.4	.56	6.5
14	61	26	81	1150	293	179	7020	232	47	3.4	.54	6.3
15	49	26	77	1250	259	259	3180	201	49	2.9	.54	4.8
16	41	25	72	1600	239	239	2020	239	49	2.2	.53	4.0
17	36	24	79	1200	237	233	1450	208	47	1.7	.57	4.6
18	36	22	286	986	249	511	4780	167	42	1.4	.59	7.9
19	41	22	643	848	236	431	2660	204	41	1.5	.57	11
20	45	22	473	744	205	400	1700	258	36	1.9	.54	9.8
21	39	23	626	607	179	379	1260	338	29	1.2	.60	11
22	33	27	788	517	167	1730	1040	315	28	.97	.64	13
23	28	40	616	465	156	2340	857	290	61	.87	.61	16
24	24	74	452	411	146	1420	706	243	85	.76	.59	15
25	21	64	365	355	136	1080	592	3140	73	.86	.57	13
26	19	59	313	318	127	885	512	1760	59	1.2	.60	12
27	17	202	302	291	118	1930	884	1050	42	1.0	.70	10
28	15	1010	298	272	113	2020	1200	738	32	1.7	.70	8.6
29	14	499	1540	243	---	1410	3530	613	25	8.0	.67	7.7
30	14	322	3530	217	---	1060	1840	507	20	4.6	1.9	6.4
31	13	---	1680	188	---	899	---	404	---	2.4	19	---
TOTAL	2356.0	2713	16454	30643	5076	21747	54171	22324	2440	200.36	40.86	600.8
MEAN	76.0	90.4	531	988	181	702	1806	720	81.3	6.46	1.32	20.0
MAX	544	1010	3530	3210	293	2340	7020	3140	327	28	19	88
MIN	3.8	11	72	188	113	179	512	167	20	.76	.53	4.0
AC-FT	4670	5380	32640	60780	10070	43140	107400	44280	4840	397	81	1190
CFSM	.28	.33	1.94	3.61	.66	2.56	6.59	2.63	.30	.02	.00	.07
IN.	.32	.37	2.23	4.16	.69	2.95	7.35	3.03	.33	.03	.01	.08

CAL YR 1990 TOTAL 239357.52 MEAN 656 MAX 26700 MIN .73 AC-FT 474800 CFSM 2.39 IN. 32.50
WTR YR 1991 TOTAL 158766.02 MEAN 435 MAX 7020 MIN .53 AC-FT 314900 CFSM 1.59 IN. 21.56

e Estimated

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARKANSAS

LOCATION.--Lat 35°30'48", long 93°10'24", in SE¼NW¼ sec.25, T.9 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 164 near Dover.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1229	9827	9827	30	7.8	16.0	11.1	0.5	30
NOV									
19.	1155	9827	9827	24	7.4	14.0	10.4	0.4	30
DEC									
04.	1233	9827	9827	783	7.5	10.0	10.9	1.0	30
JAN									
29.	1230	9827	9827	262	7.3	7.0	12.3	0.5	16
FEB									
26.	1215	9827	9827	137	7.5	11.0	12.4	0.7	20
MAR									
12.	1201	9827	9827	230	7.6	15.0	11.0	0.5	16
APR									
16.	1222	9827	9827	2180	7.1	15.0	9.7	0.5	14
MAY									
21.	1150	9827	9827	365	7.3	23.0	8.7	0.8	14
JUN									
25.	1206	9827	9827	79	7.8	31.0	10.3	2.8	22
JUL									
23.	1145	9827	9827	0.94	7.4	29.0	8.3	2.3	20
30.	1050	9827	9827	5.0	7.6	27.0	8.5	1.3	20
SEP									
24.	1330	9827	9827	16	7.8	22.0	--	1.2	18

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1229	4.0	2.4	47	2	<0.020	<0.050	--
NOV								
19.	1155	2.0	5.2	39	<1	<0.020	<0.050	<0.030
DEC								
04.	1233	5.0	2.5	53	10	0.030	<0.050	0.050
JAN								
29.	1230	2.0	2.2	25	2	0.060	<0.050	0.00
FEB								
26.	1215	2.0	2.2	34	2	0.020	0.060	0.040
MAR								
12.	1201	2.0	1.7	33	<1	0.030	<0.050	0.030
APR								
16.	1222	2.0	3.2	42	6	0.120	<0.050	0.060
MAY								
21.	1150	3.0	2.8	38	3	<0.020	<0.050	--
JUN								
25.	1206	2.0	2.1	33	2	<0.020	<0.050	--
JUL								
23.	1145	1.0	3.7	35	3	--	<0.050	0.030
30.	1050	1.0	2.2	34	1	<0.020	0.050	0.050
SEP								
24.	1330	3.0	1.6	27	<1	0.020	0.090	0.040

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1229	<0.030	1.5	<0.5	<1	<25	<2	<8
NOV								
19.	1155	<0.030	1.5	<0.5	<1	<25	<2	<8
DEC								
04.	1233	<0.030	3.6	<0.5	<1	<25	<2	<8
JAN								
29.	1230	<0.030	0.8	<0.5	<1	<25	<2	<8
FEB								
26.	1215	<0.030	0.9	<0.5	<1	<25	<2	<8
MAR								
12.	1201	<0.030	1.2	<0.5	<1	<25	<2	<8
APR								
16.	1222	<0.030	1.8	<0.5	<1	<25	<2	<8
MAY								
21.	1150	<0.030	1.8	<0.5	<1	--	<2	--
JUN								
25.	1206	<0.030	1.5	<0.5	<1	<25	<2	<8
JUL								
23.	1145	<0.030	2.2	<0.5	<1	<25	<2	<8
30.	1050	0.030	1.7	<0.5	<1	<25	<2	--
SEP								
24.	1330	0.040	1.9	<0.5	<1	<25	<2	<8

07257690 ILLINOIS BAYOU NEAR DOVER, ARKANSAS

LOCATION.--Lat 35°24'36", long 93°06'00", in SW¼SW¼ sec.21, T.8 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 7, 2.0 mi northwest of Dover.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1200	9827	9827	4.0	7.6	15.0	9.8	0.8	12
NOV									
19.	1105	9827	9827	9.1	7.0	13.0	9.6	1.4	18
DEC									
04.	1153	9827	9827	449	7.2	9.0	10.9	1.4	14
JAN									
29.	1200	9827	9827	211	7.0	8.0	11.9	0.6	10
FEB									
26.	1146	9827	9827	132	7.2	8.0	11.6	0.6	12
MAR									
12.	1134	9827	9827	202	7.2	14.0	10.5	0.5	10
APR									
16.	1200	9827	9827	1640	6.9	16.0	9.7	0.5	10
MAY									
21.	1125	9827	9827	273	7.1	24.0	8.3	1.1	14
JUN									
25.	1141	9827	9827	233	7.3	29.0	8.0	1.1	16
JUL									
23.	1115	9827	9827	--	7.2	31.0	8.6	2.9	14
30.	1020	9827	9827	--	7.4	27.0	7.1	1.1	12
SEP									
24.	1300	9827	9827	2.8	7.5	21.0	--	0.9	12

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1200	2.0	2.8	29	1	<0.020	<0.050	--
NOV								
19.	1105	1.0	5.5	31	<1	<0.020	<0.050	<0.030
DEC								
04.	1153	6.0	2.8	48	15	0.140	<0.050	0.050
JAN								
29.	1200	2.0	2.4	20	2	0.160	<0.050	0.00
FEB								
26.	1146	3.0	2.4	26	2	0.040	0.140	0.040
MAR								
12.	1134	1.0	2.0	27	1	0.040	<0.050	<0.030
APR								
16.	1200	2.0	3.4	41	16	0.130	0.050	0.060
MAY								
21.	1125	2.0	2.6	26	5	0.040	<0.050	--
JUN								
25.	1141	2.0	1.9	29	4	<0.020	<0.050	--
JUL								
23.	1115	1.0	3.0	28	3	--	<0.050	0.030
30.	1020	3.0	2.6	28	5	<0.020	0.060	0.050
SEP								
24.	1300	3.0	1.9	20	<1	<0.020	0.050	0.040

07257690 ILLINOIS BAYOU NEAR DOVER, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1200	<0.030	1.4	<0.5	<1	<25	<2	<8
NOV								
19.	1105	<0.030	1.9	<0.5	<1	<25	<2	9
DEC								
04.	1153	<0.030	4.3	<0.5	<1	<25	<2	15
JAN								
29.	1200	<0.030	0.9	<0.5	2	<25	<2	<8
FEB								
26.	1146	<0.030	0.8	<0.5	<1	<25	<2	<8
MAR								
12.	1134	<0.030	0.8	<0.5	<1	<25	<2	<8
APR								
16.	1200	<0.030	2.0	<0.5	<1	<25	<2	<8
MAY								
21.	1125	<0.030	1.4	<0.5	<1	--	<2	--
JUN								
25.	1141	<0.030	1.5	<0.5	<1	<25	<2	<8
JUL								
23.	1115	<0.030	2.2	<0.5	<1	<25	<2	<8
30.	1020	<0.030	1.9	<0.5	<1	<25	<2	--
SEP								
24.	1300	<0.030	2.0	<0.5	<1	<25	<2	<8

07258000 ARKANSAS RIVER AT DARDANELLE, ARKANSAS

LOCATION.--Lat 35°13'34", long 93°08'58", in SW¼ sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5.

DRAINAGE AREA.--153,670 mi², of which 22,241 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 280.16 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft higher. Jan. 11, 1939, to Dec. 10, 1970, water-stage recorder at same site at datum 10.0 ft higher. Feb. 13, 1969, to May 16, 1985, totalizing flow meters on each turbine in Dardanelle Dam, 2.0 mi upstream.

REMARKS.--No estimated daily discharges. Water-discharge records good except for those below 45,000 ft³/s, which are fair. Flow regulated upstream by many locks, dams, and reservoirs. Satellite telemeter at station.

AVERAGE DISCHARGE.--54 years, 36,770 ft³/s, 26,640,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft³/s May 13, 14, 1943; maximum gage height, 43.60 ft, in gage well, 44.1 ft from outside gage, May 25, 1943, present datum; minimum daily discharge, 40 ft³/s Sept. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 124,000 ft³/s Apr. 14, gage height, 21.58 ft, from graph based on gage readings; minimum daily, 50 ft³/s at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11200	12000	10500	8590	19400	16300	19600	53300	37400	11500	7100	259
2	12700	50	1920	35100	22200	28100	24000	46600	23800	10700	9810	252
3	16400	1000	37300	45200	22300	22500	13000	45400	18600	4400	3040	6590
4	12100	5050	37700	31000	16600	8520	33600	48800	18400	3790	3000	8010
5	12900	14900	9660	30400	22600	1310	40000	68800	31200	9830	3860	8860
6	2800	5340	18200	32000	31300	15700	33700	57900	36000	9490	3510	8260
7	6370	6940	8350	42400	31100	16200	9650	54200	37400	8500	3840	50
8	12100	12100	5490	44200	22600	50	18400	55200	55700	3490	6920	252
9	33500	8840	12300	43800	19400	10500	42200	51500	58200	4500	11400	11700
10	25600	3450	9220	46100	15900	50	22500	45000	59200	766	254	11300
11	19800	5840	9040	76300	8080	10300	27700	44500	56500	3640	50	7810
12	6520	5840	11900	83300	10800	13100	37600	42100	45000	4660	2420	8580
13	7400	8170	13000	70500	15500	10100	71300	43500	46600	8290	2030	50
14	1300	7230	16500	60500	15900	13400	118000	27900	45300	2940	2890	50
15	10500	8950	3640	46300	10800	13800	103000	12500	42200	6060	3660	252
16	7740	8870	50	76700	3600	12800	67600	25600	26800	10400	6280	9100
17	15500	5470	15900	79300	4080	50	45800	25400	6990	5350	1320	14000
18	6020	50	46300	73700	9320	8700	64200	18900	26100	6990	50	9600
19	3820	7380	34300	69800	7890	18300	77800	24200	20400	7590	4170	5640
20	50	11500	27900	56100	11100	5750	56300	33400	19100	367	3200	7970
21	2550	5110	41500	51800	12500	18800	45700	17400	14000	50	3200	50
22	928	50	47700	47500	18500	40500	46000	11500	10300	9120	2930	264
23	1690	9800	41500	47300	21800	49000	43500	21200	14400	11100	7660	50
24	11200	4240	13200	47100	11100	43100	38400	25000	10400	185	266	3310
25	1080	50	5370	46100	11300	13400	26000	43300	13800	3020	50	6570
26	796	6730	16900	39400	9650	27200	46700	48400	13000	1820	1780	7280
27	1390	19800	17400	31100	8450	26600	45900	48000	13200	50	4750	5750
28	1570	17200	4560	27900	6940	25600	37600	50600	13000	1150	4230	50
29	1550	13800	17500	24400	---	37600	47300	46500	1050	3110	14800	423
30	8040	7960	51500	25100	---	32900	52200	43600	1730	3400	5160	3850
31	3960	---	50400	27700	---	16500	---	42800	---	6540	50	---
TOTAL	259074	223710	636700	1466690	420710	556730	1355250	1223000	815770	162798	123680	146182
MEAN	8357	7457	20540	47310	15030	17960	45170	39450	27190	5252	3990	4873
MAX	33500	19800	51500	83300	31300	49000	118000	68800	59200	11500	14800	14000
MIN	50	50	50	8590	3600	50	9650	11500	1050	50	50	50
AC-FT	513900	443700	1263000	2909000	834500	1104000	2688000	2426000	1618000	322900	245300	290000

CAL YR 1990 TOTAL 22774878 MEAN 62400 MAX 419000 MIN 50 AC-FT 45170000
WTR YR 1991 TOTAL 7390294 MEAN 20250 MAX 118000 MIN 50 AC-FT 14660000

07258000 ARKANSAS RIVER AT DARDANELLE, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to September 1989.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 17, 1952, July 17, 1980; minimum daily, 0.0°C on several days during winter months.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1347	9827	9827	0.0	8.2	19.0	9.8	1.7	140
NOV									
19.	1300	9827	9827	0.0	7.3	15.0	8.4	1.1	170
DEC									
04.	1355	9827	9827	23500	8.4	11.0	10.5	0.6	120
JAN									
29.	1353	9827	9827	29500	7.9	6.0	12.7	1.2	88
FEB									
26.	1349	9827	9827	10200	8.9	10.0	13.1	2.6	100
MAR									
12.	1321	9827	9827	9830	8.9	15.0	11.1	2.0	100
APR									
16.	1335	9827	9827	67600	7.6	19.0	10.0	1.2	66
MAY									
21.	1317	9827	9827	9940	7.8	25.0	5.7	1.1	130
JUN									
25.	1342	9827	9827	18700	7.9	29.0	5.5	2.0	170
JUL									
23.	1247	9827	9827	18600	8.3	31.0	5.5	1.9	150
30.	1147	9827	9827	0.0	8.7	29.0	7.5	2.4	150
SEP									
24.	1421	9827	9827	0.0	8.7	19.0	--	2.9	160

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1347	51	77	317	10	0.040	<0.050	--
NOV								
19.	1300	50	66	333	20	0.420	<0.050	0.140
DEC								
04.	1355	48	65	250	12	0.020	<0.050	0.080
JAN								
29.	1353	27	19	146	12	0.480	0.050	0.080
FEB								
26.	1349	30	28	179	10	0.200	0.060	0.080
MAR								
12.	1321	28	29	179	13	0.080	<0.050	0.090
APR								
16.	1335	19	26	168	32	0.230	0.110	0.120
MAY								
21.	1317	45	85	299	20	0.210	<0.050	--
JUN								
25.	1342	56	110	382	10	0.160	<0.050	--
JUL								
23.	1247	56	100	370	10	--	<0.050	0.080
30.	1147	54	110	373	9	0.060	0.050	0.110
SEP								
24.	1421	61	120	403	11	<0.020	<0.050	0.090

07258000 ARKANSAS RIVER AT DARDANELLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1347	0.040	4.2	<0.5	<1	<25	<2	<8
NOV								
19.	1300	0.030	6.2	<0.5	<1	<25	<2	<8
DEC								
04.	1355	<0.030	5.7	<0.5	<1	<25	<2	<8
JAN								
29.	1353	0.040	3.9	<0.5	<1	<25	<2	<8
FEB								
26.	1349	<0.030	5.7	<0.5	<1	<25	<2	<8
MAR								
12.	1321	<0.030	4.6	<0.5	<1	<25	<2	<8
APR								
16.	1335	<0.030	5.1	<0.5	<1	<25	<2	<8
MAY								
21.	1317	0.030	5.5	<0.5	<1	--	<2	--
JUN								
25.	1342	0.030	5.3	<0.5	<1	<25	<2	<8
JUL								
23.	1247	<0.030	5.3	<0.5	<1	<25	<2	<8
30.	1147	0.030	4.8	<0.5	<1	<25	<2	--
SEP								
24.	1421	0.040	6.7	<0.5	<1	<25	<2	<8

07258015 WHIG CREEK NEAR DARDANELLE, ARKANSAS

LOCATION.--Lat 35°13'43", long 93°08'37", in SE¼,Ne¼, sec.29, T.7 N., R.20 W., Pope County, Hydologic Unit 11110203, at bridge on State Highway 7, and 0.7 mi northeast of Dardanelle.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	1336	9827	9827	7.2	15.0	6.5	2.1	78	61
NOV									
19.	1252	9827	9827	7.3	14.0	4.1	6.6	72	58
DEC									
04.	1344	9827	9827	7.2	10.0	8.4	2.2	58	51
JAN									
29.	1342	9827	9827	7.3	9.0	9.7	1.5	92	55
FEB									
26.	1339	9827	9827	7.6	10.0	10.2	2.4	52	55
MAR									
12.	1310	9827	9827	7.2	16.0	8.4	4.0	64	49
APR									
16.	1325	9827	9827	7.1	18.0	7.7	2.9	44	43
MAY									
21.	1310	9827	9827	7.2	24.0	5.9	3.3	50	34
JUN									
25.	1330	9827	9827	7.2	28.0	5.7	2.1	78	49
JUL									
23.	1237	9827	9827	7.5	29.0	5.5	1.8	66	61
30.	1135	9827	9827	7.5	25.0	5.2	1.8	60	44
SEP									
24.	1411	9827	9827	7.5	21.0	--	1.5	68	71

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1336	64	409	8	--	1.88	2.8	--
NOV								
19.	1252	59	357	6	10.0	6.20	8.9	6.70
DEC								
04.	1344	22	208	16	7.00	1.08	2.7	3.75
JAN								
29.	1342	23	242	10	11.0	1.88	1.9	1.45
FEB								
26.	1339	28	268	6	8.30	2.36	1.5	2.10
MAR								
12.	1310	26	224	8	8.80	2.70	--	4.15
APR								
16.	1325	9.0	145	35	1.90	0.490	0.74	0.800
MAY								
21.	1310	13	151	50	2.50	0.250	0.94	--
JUN								
25.	1330	23	209	13	5.20	0.160	0.73	--
JUL								
23.	1237	50	358	11	--	0.090	--	--
30.	1135	38	293	26	10.0	0.100	1.0	6.85
SEP								
24.	1411	50	357	8	14.0	0.380	1.6	7.30

07258015 WHIG CREEK NEAR DARDANELLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1336	8.20	7.3	<0.5	<1	<25	<2	21
NOV								
19.	1252	6.05	9.5	<0.5	<1	<25	<2	33
DEC								
04.	1344	2.60	6.7	<0.5	<1	<25	<2	27
JAN								
29.	1342	1.60	5.8	<0.5	<1	<25	<2	15
FEB								
26.	1339	1.96	7.5	<0.5	<1	<25	<2	28
MAR								
12.	1310	3.60	6.6	<0.5	<1	<25	<2	31
APR								
16.	1325	0.510	5.5	<0.5	<1	<25	<2	<8
MAY								
21.	1310	1.40	11	<0.5	<1	--	<2	--
JUN								
25.	1330	2.72	6.0	--	--	--	--	--
JUL								
23.	1237	6.80	7.8	<0.5	<1	<25	<2	<8
30.	1135	5.88	7.4	<0.5	<1	<25	<2	--
SEP								
24.	1411	6.35	7.0	<0.5	<1	<25	<2	30

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARKANSAS

LOCATION.--Lat 35°06'25", long 93°55'25", in NW¼NW¼ 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, and at mile 102.3.

DRAINAGE AREA.--241 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
09.	1440	9827	9827	250	7.1	17.0	7.2	2.9	20
NOV									
06.	1657	9827	9827	29	7.2	13.0	6.3	1.8	24
DEC									
04.	1250	9827	9827	53	7.3	8.5	10.0	1.9	24
JAN									
15.	1520	9827	9827	3880	7.0	6.0	11.0	--	16
FEB									
12.	1750	9827	9827	118	7.2	10.0	11.0	0.8	18
MAR									
19.	1509	9827	9827	48	7.5	15.0	10.4	1.7	22
APR									
09.	1153	9827	9827	135	7.2	20.0	7.8	0.8	20
30.	1131	9827	9827	380	7.1	19.0	8.1	1.6	20
JUN									
11.	1022	9827	9827	12	7.2	24.0	5.4	1.3	22
JUL									
02.	1050	9827	9827	7.4	7.3	29.0	6.3	2.1	34
AUG									
13.	1139	9827	9827	1.8	7.4	25.0	4.1	2.0	32
SEP									
10.	1141	9827	9827	4.5	7.4	28.0	6.9	3.4	30

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
09.	1440	10	4.8	84	70	0.450	--	1.1	0.200
NOV									
06.	1657	13	5.1	76	16	<0.020	--	--	--
DEC									
04.	1250	12	6.1	81	14	0.060	<0.050	1.0	0.040
JAN									
15.	1520	8.0	4.4	66	243	0.410	0.070	0.80	0.220
FEB									
12.	1750	18	4.5	59	8	0.180	<0.050	0.52	0.050
MAR									
19.	1509	11	5.2	59	14	<0.020	0.090	0.30	0.050
APR									
09.	1153	11	4.1	61	14	0.060	<0.050	0.46	0.050
30.	1131	8.0	3.9	66	25	0.030	0.090	0.78	0.070
JUN									
11.	1022	8.0	3.9	66	9	0.020	<0.050	0.80	0.040
JUL									
02.	1050	6.0	5.0	61	22	<0.020	<0.050	0.60	0.060
AUG									
13.	1139	4.0	5.2	79	6	<0.020	0.050	0.92	<0.030
SEP									
10.	1141	4.0	4.6	71	8	0.040	<0.050	--	0.060

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1440	0.100	11	<0.5	<1	<25	<2	<8
NOV								
06.	1657	0.070	6.5	<0.5	<1	<25	<2	<8
DEC								
04.	1250	<0.030	4.9	<0.5	<1	<25	<2	<8
JAN								
15.	1520	0.150	8.3	<0.5	1	<25	<2	<8
FEB								
12.	1750	<0.030	3.5	<0.5	--	<25	<2	--
MAR								
19.	1509	<0.030	3.3	<0.5	<1	<25	<2	<8
APR								
09.	1153	<0.030	4.2	<0.5	<1	<25	<2	--
30.	1131	<0.030	6.1	<0.5	<1	<25	<2	<8
JUN								
11.	1022	<0.030	4.7	<0.5	<1	<25	<2	<8
JUL								
02.	1050	<0.030	4.4	<0.5	<1	<25	<2	<8
AUG								
13.	1139	<0.030	5.3	<0.5	<1	<25	<2	13
SEP								
10.	1141	<0.030	6.4	<0.5	<1	<25	<2	<8

07260020 DUTCH CREEK AT SHARK, ARKANSAS

LOCATION.--Lat 34°59'58", long 93°30'52", in SE¼NE¼ sec.14, T.4 N., R.24 W., Yell County, Hydrologic Unit 11110204, on paved road 0.9 mi north of Highway 80 at Shark, and 2.0 mi west of Macedonia.

DRAINAGE AREA.--107 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1445	9827	9827	12	7.2	14.0	7.9	1.0	16
NOV									
19.	1358	9827	9827	21	6.9	13.0	7.2	1.2	20
DEC									
04.	1454	9827	9827	81	7.1	9.0	10.0	1.6	14
JAN									
29.	1503	9827	9827	--	6.9	9.0	10.8	0.6	16
FEB									
26.	1451	9827	9827	38	7.1	10.0	11.0	0.8	16
MAR									
12.	1424	9827	9827	42	7.1	16.0	9.9	1.2	16
APR									
16.	1434	9827	9827	288	6.7	17.0	8.7	0.8	12
MAY									
21.	1425	9827	9827	123	6.9	24.0	6.8	1.5	32
JUN									
25.	1448	9827	9827	13	6.9	29.0	4.3	1.2	24
JUL									
23.	1355	9827	9827	2.0	7.2	32.0	4.2	2.7	36
30.	1248	9827	9827	2.0	7.3	26.0	3.6	1.2	42
SEP									
24.	1520	9827	9827	13	7.1	20.0	--	0.9	16

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
23.	1445	7.0	4.3	54	9	0.480	<0.050	--	--
NOV									
19.	1358	5.0	7.1	52	1	0.240	<0.050	--	0.030
DEC									
04.	1454	11	--	64	8	0.400	<0.050	--	0.060
JAN									
29.	1503	5.0	3.9	35	5	1.00	<0.050	--	0.020
FEB									
26.	1451	6.0	4.5	47	3	0.530	0.070	--	0.060
MAR									
12.	1424	5.0	4.0	38	3	0.300	<0.050	0.37	0.050
APR									
16.	1434	4.0	4.1	57	32	0.570	0.080	--	0.110
MAY									
21.	1425	6.0	4.1	61	18	0.240	<0.050	--	--
JUN									
25.	1448	5.0	4.7	50	3	0.070	0.060	--	--
JUL									
23.	1355	3.0	5.5	71	2	--	0.070	--	0.070
30.	1248	4.0	4.5	65	2	0.050	0.100	--	0.080
SEP									
24.	1520	7.0	4.4	40	8	0.260	0.050	--	0.070

07260020 DUTCH CREEK AT SHARK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1445	0.040	4.6	<0.5	<1	<25	<2	<8
NOV								
19.	1358	<0.030	4.3	<0.5	<1	<25	<2	17
DEC								
04.	1454	<0.030	3.5	<0.5	<1	<25	<2	<8
JAN								
29.	1503	<0.030	1.8	<0.5	<1	<25	<2	<8
FEB								
26.	1451	<0.030	2.3	<0.5	<1	<25	<2	<8
MAR								
12.	1424	<0.030	2.4	<0.5	<1	<25	<2	11
APR								
16.	1434	0.030	3.8	<0.5	<1	<25	<2	<8
MAY								
21.	1425	0.030	5.4	<0.5	<1	--	<2	--
JUN								
25.	1448	0.030	4.7	--	--	--	--	--
JUL								
23.	1355	0.030	6.4	<0.5	<1	<25	<2	<8
30.	1248	0.040	6.1	<0.5	<1	<25	<2	--
SEP								
24.	1520	0.050	4.9	<0.5	<1	<25	<2	<8

07260500 PETIT JEAN RIVER AT DANVILLE, ARKANSAS

LOCATION.--Lat 35°03'33", long 93°23'44", in NW¼SE¼ sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on right bank 125 ft upstream of bridge on State Highway 10 at Danville, 0.3 mi upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 48.8.

DRAINAGE AREA.--764 mi^2.

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft above National Geodetic Vertical datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi downstream.

REMARKS.--Records good, except for estimated daily discharges, which are fair. 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 sq mi upstream from this station is controlled by 3 floodwater-detention reservoirs that have a total combined capacity of 23,737 acre-ft below the spillway crests, of which 16,361 acre-ft is flood-detention capacity, 4,500 acre-ft is water-supply storage, and 2,876 acre-ft is sediment-storage capacity. Satellite telemeter at station.

AVERAGE DISCHARGE.--75 years, 833 ft^3/s, 603,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s Apr. 17, 1939, gage height, 31.82 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,800 ft^3/s Apr. 14, gage height, 24.42 ft; minimum, 4.2 ft^3/s Aug. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	8.9	138	1570	309	102	1950	e3200	228	19	12	105
2	121	7.7	159	e1700	249	143	667	e2300	122	16	11	108
3	63	6.7	211	e2200	240	119	424	e2000	270	25	17	93
4	43	8.4	328	e2400	207	105	430	e1700	143	31	21	87
5	38	13	336	e1000	219	98	554	e2100	89	31	17	72
6	29	15	304	e2000	675	98	562	e2400	85	30	17	85
7	32	19	169	e3700	684	92	538	e2400	63	26	15	64
8	63	16	93	e3500	1630	84	388	e2500	46	32	11	48
9	111	26	93	e3200	1060	78	320	e2500	40	25	11	42
10	193	39	86	e4200	881	72	305	e2600	33	17	9.1	38
11	233	69	78	e4500	805	67	268	e2500	35	17	9.3	34
12	246	94	77	3360	534	64	e1700	e2400	46	19	7.3	34
13	225	112	79	3250	364	59	e3900	e2300	36	30	6.4	33
14	173	190	94	3650	288	51	e9800	e2300	24	32	5.8	27
15	119	216	109	e4300	254	47	e8300	e2400	39	28	5.1	28
16	97	157	107	e4600	235	45	e5000	2340	48	23	4.6	29
17	88	87	109	e2900	233	56	e3600	2260	30	9.6	21	60
18	86	85	302	2860	232	64	e2600	2340	77	13	30	76
19	84	63	418	e3900	226	57	e2800	2660	128	27	33	102
20	62	40	287	e4000	216	53	e2600	2470	122	12	25	227
21	36	35	1000	e4400	209	53	e2500	1580	96	6.3	38	280
22	33	25	1590	4040	205	2170	e2800	2450	58	5.5	55	261
23	31	16	817	3860	201	7330	e2700	2500	29	8.6	50	270
24	29	17	506	3500	196	4570	e2500	2410	29	16	175	265
25	14	16	414	2860	193	1860	e2600	2590	39	25	215	161
26	9.0	15	370	1560	189	2050	e2600	2530	35	36	212	120
27	7.2	46	385	1060	163	2740	e4500	2090	32	43	212	85
28	7.5	144	482	e950	119	2920	e5200	1440	34	44	205	59
29	8.9	137	1060	e550	---	3030	e6800	1590	38	43	152	43
30	10	139	2640	401	---	2700	e4700	714	31	29	142	20
31	9.6	---	1510	449	---	2270	---	407	---	13	131	---
TOTAL	2522.2	1862.7	14351	86420	11016	33247	83606	67971	2125	732.0	1875.6	2956
MEAN	81.4	62.1	463	2788	393	1072	2787	2193	70.8	23.6	60.5	98.5
MAX	246	216	2640	4600	1630	7330	9800	3200	270	44	215	280
MIN	7.2	6.7	77	401	119	45	268	407	24	5.5	4.6	20
AC-FT	5000	3690	28470	171400	21850	65950	165800	134800	4210	1450	3720	5860

CAL YR 1990 TOTAL 602320.7 MEAN 1650 MAX 24700 MIN 2.9 AC-FT 1195000
WTR YR 1991 TOTAL 308684.5 MEAN 846 MAX 9800 MIN 4.6 AC-FT 612300

e Estimated

07260620 CHICKALAH CREEK AT CHICKALAH, ARKANSAS

LOCATION.--Lat 35°09'36", long 93°17'32", in SW¼ 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.

DRAINAGE AREA.--39.1 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1411	9827	9827	--	7.2	15.0	5.3	1.5	44
NOV									
19.	1325	9827	9827	--	7.0	13.0	2.8	2.0	44
DEC									
04.	1420	9827	9827	--	7.1	8.0	6.2	1.4	28
JAN									
29.	1423	9827	9827	34	6.7	8.0	11.4	0.4	14
FEB									
26.	1425	9827	9827	23	6.9	9.0	11.5	0.7	16
MAR									
12.	1348	9827	9827	26	7.0	16.0	10.1	0.7	16
APR									
16.	1325	9827	9827	--	6.7	17.0	9.1	0.5	10
MAY									
21.	1350	9827	9827	103	6.8	21.0	8.3	1.0	14
JUN									
25.	1411	9827	9827	11	6.9	27.0	6.8	1.4	16
JUL									
23.	1320	9827	9827	--	7.2	29.0	2.5	2.7	34
30.	1210	9827	9827	--	7.3	25.0	3.2	1.6	40
SEP									
24.	1446	9827	9827	--	7.3	19.0	--	1.5	40

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1411	3.0	7.8	76	10	0.140	0.050	--
NOV								
19.	1325	3.0	10	80	5	<0.020	<0.050	<0.030
DEC								
04.	1420	11	5.0	86	10	0.160	<0.050	0.080
JAN								
29.	1423	5.0	3.5	45	4	1.10	0.210	0.050
FEB								
26.	1425	7.0	3.9	46	3	1.00	0.110	0.060
MAR								
12.	1348	5.0	3.5	40	5	0.690	<0.050	0.060
APR								
16.	1325	3.0	3.7	44	20	0.330	0.070	0.090
MAY								
21.	1350	5.0	3.3	44	22	0.200	<0.050	--
JUN								
25.	1411	7.0	3.9	56	16	0.360	0.070	--
JUL								
23.	1320	2.0	4.3	62	5	--	0.050	0.060
30.	1210	3.0	3.5	64	8	0.050	0.140	0.080
SEP								
24.	1446	5.0	8.0	65	17	0.190	0.200	0.060

07260620 CHICKALAH CREEK AT CHICKALAH, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1411	<0.030	5.0	<0.5	<1	<25	<2	<8
NOV								
19.	1325	<0.030	6.3	<0.5	<1	<25	<2	21
DEC								
04.	1420	<0.030	4.8	<0.5	<1	<25	<2	<8
JAN								
29.	1423	<0.030	1.6	<0.5	<1	<25	<2	<8
FEB								
26.	1425	<0.030	1.7	<0.5	<1	<25	<2	<8
MAR								
12.	1348	<0.030	1.6	<0.5	<1	<25	<2	13
APR								
16.	1325	<0.030	2.4	<0.5	<1	<25	<2	<8
MAY								
21.	1350	0.040	2.9	<0.5	<1	--	<2	--
JUN								
25.	1411	0.040	4.3	--	--	--	--	--
JUL								
23.	1320	<0.030	3.9	<0.5	<1	<25	<2	<8
30.	1210	0.030	3.6	<0.5	<1	<25	<2	--
SEP								
24.	1446	0.040	5.4	<0.5	<1	<25	<2	<8

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, ARKANSAS

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic Unit 11110203, at Lock and Dam No. 9, 2.0 mi northwest of Oppelo, and at mile 193.0.

DRAINAGE AREA.--154,949 mi², of which 22,241 mi² is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0815	9827	9827	1700	8.4	17.0	9.2	1.7	130
NOV									
19.	0805	9827	9827	4820	8.1	14.0	9.7	1.6	140
DEC									
04.	0833	9827	9827	39600	8.3	10.0	9.8	1.6	120
JAN									
29.	0855	9827	9827	18700	7.7	6.0	11.7	1.2	74
FEB									
26.	0845	9827	9827	7310	8.7	8.0	12.1	2.0	96
MAR									
12.	0850	9827	9827	7500	9.0	13.0	11.9	2.5	98
APR									
16.	0900	9827	9827	89700	7.5	18.0	8.1	1.7	60
MAY									
22.	0825	9827	9827	12600	7.8	25.0	6.3	1.3	110
JUN									
25.	0850	9827	9827	10500	8.4	29.0	7.9	2.5	160
JUL									
23.	1644	9827	9827	7900	9.1	34.0	10.1	3.0	150
30.	0840	9827	9827	2500	8.7	29.0	7.5	2.6	140
30.	1546	9827	9827	--	9.1	31.0	7.1	1.5	150
SEP									
24.	1043	9827	9827	2000	8.7	23.0	--	2.2	160

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0815	50	72	301	10	<0.020	<0.050	--
NOV								
19.	0805	57	78	312	12	0.020	<0.050	0.060
DEC								
04.	0833	49	70	288	9	0.040	<0.050	0.090
JAN								
29.	0855	23	16	134	11	0.470	0.080	0.070
FEB								
26.	0845	29	26	170	8	0.270	0.070	0.070
MAR								
12.	0850	28	27	168	8	0.040	<0.050	0.060
APR								
16.	0900	18	25	158	42	0.210	0.110	0.130
MAY								
22.	0825	37	72	257	14	0.200	<0.050	--
JUN								
25.	0850	55	100	383	12	0.090	<0.050	--
JUL								
23.	1644	53	110	362	9	--	<0.050	0.060
30.	0840	53	100	367	8	<0.020	0.060	0.110
30.	1546	53	99	372	7	<0.020	0.060	0.090
SEP								
24.	1043	59	120	408	5	0.020	<0.050	0.080

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0815	0.040	5.2	<0.5	<1	<25	<2	<8
NOV								
19.	0805	<0.030	7.4	<0.5	<1	<25	<2	9
DEC								
04.	0833	<0.030	4.5	<0.5	<1	<25	<2	<8
JAN								
29.	0855	0.040	4.3	<0.5	<1	<25	<2	<8
FEB								
26.	0845	<0.030	5.0	<0.5	<1	<25	<2	<8
MAR								
12.	0850	<0.030	5.5	<0.5	<1	<25	<2	<8
APR								
16.	0900	0.030	5.9	<0.5	<1	<25	<2	<8
MAY								
22.	0825	<0.030	5.0	<0.5	<1	--	<2	--
JUN								
25.	0850	0.040	6.2	<0.5	<1	<25	<2	<8
JUL								
23.	1644	<0.030	6.0	<0.5	<1	<25	<2	<8
30.	0840	0.130	6.8	<0.5	<1	<25	<2	--
30.	1546	0.060	5.1	<0.5	<1	<25	<2	--
SEP								
24.	1043	0.060	6.4	<0.5	<1	<25	<2	<8

07260675 WHITE OAK CREEK NEAR ATKINS, ARKANSAS

LOCATION.--Lat 35°15'16", long 92°53'38", in SW¼NE¼ sec.15, T.7 N., R.18 W., Pope County, Hydrologic Unit 11110203, at bridge on county road, 0.4 mi from Union Grove Church, and 3.0 mi east of Atkins.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	1126	9827	9827	7.3	12.0	7.8	2.2	44	40
NOV									
19.	1026	9827	9827	7.4	11.0	8.4	--	120	33
DEC									
04.	1113	9827	9827	7.0	6.0	10.3	3.4	26	26
JAN									
29.	1116	9827	9827	7.2	7.0	12.1	1.1	34	24
29.	1645	9827	9827	6.8	9.0	11.3	0.7	10	5.0
FEB									
26.	1105	9827	9827	7.4	5.0	12.3	0.9	46	33
MAR									
12.	1059	9827	9827	7.4	15.0	9.5	1.6	46	24
APR									
16.	1111	9827	9827	7.4	19.0	10.0	3.3	26	12
MAY									
21.	1031	9827	9827	7.2	24.0	6.6	5.0	36	17
JUN									
25.	1100	9827	9827	7.5	28.0	--	2.3	52	26
JUL									
23.	1035	9827	9827	6.7	30.0	5.2	--	130	36
30.	0940	9827	9827	8.1	26.0	5.5	2.5	110	17
SEP									
24.	1210	9827	9827	7.0	20.0	--	2.7	66	30

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1126	78	235	2	<0.020	<0.050	1.1	--
NOV								
19.	1026	210	489	19	<0.020	0.050	2.1	0.170
DEC								
04.	1113	20	137	31	0.370	0.140	1.3	0.150
JAN								
29.	1116	37	129	11	0.570	<0.050	0.50	0.060
29.	1645	3.4	21	2	0.150	<0.050	--	0.040
FEB								
26.	1105	43	160	7	0.150	<0.050	0.75	0.080
MAR								
12.	1059	50	170	10	0.140	<0.050	0.64	0.040
APR								
16.	1111	70	224	27	0.390	0.180	1.1	0.220
MAY								
21.	1031	18	127	36	0.230	<0.050	1.0	--
JUN								
25.	1100	48	182	14	<0.020	0.090	0.84	--
JUL								
23.	1035	200	518	32	--	<0.050	--	0.080
30.	0940	190	469	7	<0.020	0.060	0.80	0.090
SEP								
24.	1210	420	879	67	0.220	1.43	4.4	0.480

07260675 WHITE OAK CREEK NEAR ATKINS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1126	<0.030	7.5	<0.5	<1	<25	<2	<8
NOV								
19.	1026	<0.030	12	<0.5	<1	<25	<2	<8
DEC								
04.	1113	0.100	12	<0.5	<1	<25	<2	48
JAN								
29.	1116	<0.030	4.4	<0.5	<1	<25	<2	<8
29.	1645	<0.030	2.4	<0.5	<1	<25	<2	<8
FEB								
26.	1105	<0.030	4.1	<0.5	<1	<25	<2	<8
MAR								
12.	1059	<0.030	4.2	<0.5	<1	<25	<2	9
APR								
16.	1111	0.130	9.2	<0.5	<1	<25	<2	<8
MAY								
21.	1031	<0.030	11	<0.5	<1	--	<2	--
JUN								
25.	1100	0.060	8.4	<0.5	<1	<25	<2	<8
JUL								
23.	1035	<0.030	15	<0.5	<1	<25	<2	<8
30.	0940	0.060	14	<0.5	<1	<25	<2	--
SEP								
24.	1210	0.150	30	<0.5	<1	<25	<2	<8

07261000 CADRON CREEK NEAR GUY, ARKANSAS

LOCATION.--Lat 35°17'56", long 92°24'10", in NW¼SE¼ sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile. 48.3.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

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

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--37 years, 288 ft³/s, 23.14 in/yr, 208,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft³/s Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 ft³/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 21	2045	7,180	14.03	Apr. 14	1100	*9,840	*16.86
Dec. 30	1700	4,110	10.20	Apr. 27	1130	6,860	13.67
Jan. 06	2345	9,730	16.75	Apr. 29	1130	5,610	12.17

No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e13	54	231	3310	151	161	163	1080	63	90	2.1	10
2	e20	45	189	3180	143	609	151	691	55	72	.85	12
3	e17	43	396	2920	135	418	142	544	48	90	.38	13
4	e50	42	393	2700	134	336	335	517	40	89	.22	10
5	e30	52	284	2610	138	281	342	384	284	85	.23	6.7
6	e27	80	231	6820	212	252	270	312	102	66	.25	6.1
7	e25	68	188	7300	242	215	228	247	76	54	.16	7.2
8	e24	58	158	e4500	205	187	200	202	57	41	.16	9.4
9	e1400	59	139	e2600	193	163	200	182	44	35	15	6.4
10	e800	72	124	e2100	190	142	166	171	36	31	9.0	4.2
11	e450	76	115	3200	176	134	143	165	31	25	4.9	3.5
12	e250	68	108	1800	167	132	926	130	49	21	3.0	e3.0
13	e160	66	101	1210	170	132	3270	113	38	16	3.3	e2.8
14	e110	62	95	913	209	122	8110	100	36	14	1.3	e3.0
15	e96	60	101	794	172	115	2340	90	44	12	.50	e3.4
16	e100	57	111	1030	152	110	1310	101	124	9.7	.45	e3.5
17	108	54	117	723	154	104	890	106	199	9.1	.00	e3.3
18	124	52	1140	590	172	136	995	85	108	8.8	.00	e3.0
19	120	50	1380	525	184	129	1000	74	77	6.5	.00	2.5
20	94	49	791	479	190	111	638	67	64	5.9	.00	2.3
21	87	48	3500	393	180	106	465	62	155	4.0	.00	1.8
22	113	51	4150	339	176	1060	435	61	100	5.0	.00	1.7
23	108	83	1790	306	163	1620	364	57	144	6.5	.00	1.7
24	93	80	1070	278	154	730	283	53	565	3.9	.00	2.0
25	82	71	763	247	151	469	228	732	1510	3.1	.00	1.8
26	74	70	575	221	144	356	235	417	422	4.6	.34	1.6
27	69	85	610	207	133	298	5190	189	252	2.7	.36	1.5
28	64	656	830	211	129	308	2580	125	198	2.5	.36	1.3
29	58	481	1370	199	---	247	3870	100	150	2.0	.26	1.1
30	55	299	3600	179	---	215	1820	85	111	2.8	.71	.94
31	52	---	3550	161	---	184	---	73	---	2.8	4.2	---
TOTAL	4873	3091	28200	52045	4719	9582	37289	7315	5182	820.9	48.03	130.74
MEAN	157	103	910	1679	169	309	1243	236	173	26.5	1.55	4.36
MAX	1400	656	4150	7300	242	1620	8110	1080	1510	90	15	13
MIN	13	42	95	161	129	104	142	53	31	2.0	.00	.94
AC-FT	9670	6130	55930	103200	9360	19010	73960	14510	10280	1630	95	259
CFSM	.93	.61	5.38	9.93	1.00	1.83	7.35	1.40	1.02	.16	.01	.03
IN.	1.07	.68	6.21	11.46	1.04	2.11	8.21	1.61	1.14	.18	.01	.03

CAL YR 1990 TOTAL 163533.34 MEAN 448 MAX 5760 MIN .00 AC-FT 324400 CFSM 2.65 IN. 36.00
WTR YR 1991 TOTAL 153295.67 MEAN 420 MAX 8110 MIN .00 AC-FT 304100 CFSM 2.49 IN. 33.74

e Estimated

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARKANSAS

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi west of Conway, and at mile 172.0.

DRAINAGE AREA.--156,386 mi^2, of which 22,241 mi^2 is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	0938	9827	9827	1800	8.3	18.0	9.4	2.0	120
NOV									
19.	0851	9827	9827	5240	8.1	15.0	9.0	1.1	130
DEC									
04.	0919	9827	9827	40200	8.2	11.0	10.2	1.1	110
JAN									
29.	0945	9827	9827	20600	7.8	6.0	11.7	1.5	74
FEB									
26.	0957	9827	9827	8320	8.4	9.0	11.7	0.9	86
MAR									
12.	0947	9827	9827	9180	8.8	13.0	11.7	2.4	80
APR									
16.	1000	9827	9827	117000	7.3	19.0	8.0	1.7	46
MAY									
21.	0830	9827	9827	18800	7.8	25.0	7.7	2.4	110
JUN									
25.	0948	9827	9827	9520	8.3	29.0	7.9	2.7	140
JUL									
23.	0924	9827	9827	7930	8.8	31.0	8.8	2.0	140
SEP									
24.	0945	9827	9827	2000	8.5	23.0	--	1.9	160

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	0938	43	62	268	19	0.050	<0.050	--
NOV								
19.	0851	52	79	319	12	<0.020	<0.050	0.060
DEC								
04.	0919	43	61	259	20	0.090	<0.050	0.110
JAN								
29.	0945	21	16	123	12	0.490	<0.050	0.060
FEB								
26.	0957	26	23	160	10	0.330	0.070	0.070
MAR								
12.	0947	23	22	140	12	0.110	<0.050	0.080
APR								
16.	1000	15	19	122	48	0.240	0.130	0.150
MAY								
21.	0830	35	69	259	16	0.220	<0.050	--
JUN								
25.	0948	51	89	327	12	0.050	<0.050	--
JUL								
23.	0924	52	100	362	8	--	<0.050	0.080
SEP								
24.	0945	58	120	402	5	0.020	0.050	0.080

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	0938	0.050	5.3	<0.5	<1	<25	<2	<8
NOV								
19.	0851	<0.030	6.9	<0.5	<1	<25	<2	10
DEC								
04.	0919	0.040	4.9	<0.5	<1	<25	<2	<8
JAN								
29.	0945	0.050	3.8	<0.5	<1	<25	<2	<8
FEB								
26.	0957	0.030	5.5	<0.5	<1	<25	<2	<8
MAR								
12.	0947	<0.030	4.9	<0.5	<1	<25	<2	<8
APR								
16.	1000	0.050	6.2	<0.5	<1	<25	<2	<8
MAY								
21.	0830	0.030	5.0	<0.5	<1	--	<2	--
JUN								
25.	0948	0.070	5.3	<0.5	<1	<25	<2	<8
JUL								
23.	0924	0.030	5.8	<0.5	1	<25	<2	<8
SEP								
24.	0945	0.120	8.6	<0.5	<1	<25	<2	<8

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARKANSAS

LOCATION.--Lat 34°52'21", long 93°39'24", in NW¼NW¼ sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi downstream from Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7.

DRAINAGE AREA.--410 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--52 years, 547 ft³/s, 18.12 in/yr, 396,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft3/)	Gage Height (ft)
Mar. 23	0200	22,300	20.53	Apr. 14	0800	*47,600	*27.45
Apr. 12	2100	17,900	18.29	Apr. 29	0400	10,800	14.09

Minimum discharge, 0.22 ft³/s Oct. 2-3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	.83	248	1320	233	126	463	1210	180	43	.79	.54
2	.26	.56	207	1070	210	330	394	852	151	38	.68	.49
3	.42	.59	382	1040	190	430	350	1190	126	40	.57	.49
4	.46	.87	811	975	175	361	354	1870	107	34	.46	.67
5	.44	1.3	536	876	189	313	356	1140	96	30	.38	44
6	.44	1.1	397	e966	390	281	298	906	96	27	.33	108
7	1.7	5.0	307	1250	634	245	266	684	80	19	.35	74
8	2310	17	237	e1350	540	214	256	540	70	16	1.1	39
9	2360	35	187	1480	457	188	290	437	60	14	3.4	25
10	1520	178	151	3360	400	166	318	373	54	11	6.9	17
11	795	306	126	4150	350	151	291	328	50	8.8	5.7	12
12	465	199	108	2520	307	139	7780	281	47	7.5	3.3	9.5
13	293	144	94	1640	285	125	14800	239	43	5.9	2.2	7.1
14	196	109	81	1250	259	114	28900	204	37	4.8	1.8	5.9
15	139	85	71	3350	224	107	3820	188	32	3.4	1.4	5.8
16	101	68	66	4200	197	102	1980	188	42	2.3	1.1	5.7
17	79	56	68	1990	190	106	1330	169	38	1.6	1.9	9.5
18	64	46	600	1440	181	116	2210	156	30	1.8	4.6	16
19	47	38	1110	1230	168	121	1990	271	29	3.2	4.1	86
20	34	31	760	1180	153	115	1230	501	38	1.9	2.5	153
21	29	28	3740	959	140	109	930	709	34	1.1	12	101
22	26	55	2510	798	135	8380	784	492	32	.87	11	79
23	20	87	1360	705	134	7970	685	367	246	.83	4.6	66
24	16	77	898	621	131	1880	566	325	379	1.1	2.4	55
25	11	64	678	535	127	1220	479	997	229	4.7	1.5	49
26	7.4	58	565	464	118	902	457	1120	143	1.9	1.2	44
27	5.4	90	609	411	111	729	1430	679	102	1.4	.99	35
28	3.8	425	995	371	106	717	2470	461	79	2.3	.75	29
29	2.5	454	3000	334	---	636	6200	350	63	2.2	.59	25
30	1.8	324	3840	298	---	644	2010	270	52	1.5	.75	21
31	1.2	---	1970	262	---	559	---	218	---	1.0	.65	---
TOTAL	8531.82	2984.25	26712	42395	6734	27596	83687	17715	2765	332.10	79.99	1123.69
MEAN	275	99.5	862	1368	240	890	2790	571	92.2	10.7	2.58	37.5
MAX	2360	454	3840	4200	634	8380	28900	1870	379	43	12	153
MIN	.26	.56	66	262	106	102	256	156	29	.83	.33	.49
AC-FT	16920	5920	52980	84090	13360	54740	166000	35140	5480	659	159	2230
CFSM	.67	.24	2.10	3.34	.59	2.17	6.80	1.39	.22	.03	.01	.09
IN.	.77	.27	2.42	3.85	.61	2.50	7.59	1.61	.25	.03	.01	.10

CAL YR 1990 TOTAL 351544.00 MEAN 963 MAX 44800 MIN .17 AC-FT 697300 CFSM 2.35 IN. 31.90
WTR YR 1991 TOTAL 220655.85 MEAN 605 MAX 28900 MIN .26 AC-FT 437700 CFSM 1.47 IN. 20.02

e Estimated

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT									
23.	1530	9827	9827	--	19	7.7	16.0	10.2	0.6
NOV									
19.	1445	9827	9827	38	--	7.3	15.0	10.3	0.8
DEC									
04.	1541	9827	9827	--	748	7.3	10.0	10.9	1.0
JAN									
29.	1548	9827	9827	--	331	7.0	9.0	11.4	0.6
FEB									
26.	1542	9827	9827	--	117	7.4	11.0	11.5	0.6
MAR									
12.	1511	9827	9827	--	136	7.3	17.0	10.3	0.7
APR									
16.	1515	9827	9827	--	1830	6.7	19.0	9.1	0.7
MAY									
21.	1515	9827	9827	--	716	6.9	24.0	7.5	1.0
JUN									
25.	1549	9827	9827	--	202	7.2	30.0	7.8	1.7
JUL									
23.	1447	9827	9827	--	0.87	7.5	31.0	7.1	1.3
30.	1353	9827	9827	--	1.4	7.5	29.0	7.6	1.7
SEP									
24.	1612	9827	9827	--	53	7.6	21.0	--	1.4

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
23.	1530	10	5.0	3.0	35	2	0.050	<0.050	--
NOV									
19.	1445	12	5.0	6.3	37	2	0.040	0.110	0.030
DEC									
04.	1541	8	6.0	3.9	36	8	0.090	<0.050	0.090
JAN									
29.	1548	14	4.0	2.9	24	4	0.200	<0.050	0.020
FEB									
26.	1542	16	4.0	3.3	31	2	0.050	0.070	0.050
MAR									
12.	1511	12	3.0	2.8	36	3	0.030	<0.050	0.040
APR									
16.	1515	10	4.0	3.6	46	13	0.180	<0.050	0.080
MAY									
21.	1515	8	5.0	4.0	46	8	0.060	<0.050	--
JUN									
25.	1549	14	6.0	3.0	35	8	0.040	<0.050	--
JUL									
23.	1447	14	3.0	3.4	30	3	--	0.050	0.040
30.	1353	18	4.0	2.4	32	2	<0.020	0.050	0.070
SEP									
24.	1612	16	5.0	3.7	29	4	<0.020	<0.050	0.050

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1530	<0.030	2.3	<0.5	<1	<25	<2	<8
NOV								
19.	1445	0.040	2.4	<0.5	<1	<25	<2	<8
DEC								
04.	1541	<0.030	2.9	<0.5	<1	<25	<2	<8
JAN								
29.	1548	<0.030	1.4	<0.5	<1	<25	<2	<8
FEB								
26.	1542	<0.030	1.8	<0.5	<1	<25	<2	<8
MAR								
12.	1511	<0.030	1.7	<0.5	<1	<25	<2	<8
APR								
16.	1515	<0.030	3.2	<0.5	<1	<25	<2	<8
MAY								
21.	1515	<0.030	4.9	<0.5	<1	--	<2	--
JUN								
25.	1549	0.030	5.6	<0.5	<1	<25	<2	10
JUL								
23.	1447	<0.030	4.0	<0.5	<1	<25	<2	<8
30.	1353	0.040	3.0	<0.5	<1	<25	<2	--
SEP								
24.	1612	0.030	4.0	<0.5	<1	<25	<2	<8

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, ARKANSAS

LOCATION.--Lat 34°52'16", long 93°06'38", in NE¼NE¼ sec.34, T.3 N., R.20 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 7 at Hollis, and just above confluence with Bear Creek.

DRAINAGE AREA.--127 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1638	9827	9827	74	7.2	16.0	9.2	1.3	8
NOV									
19.	1542	9827	9827	21	6.6	13.0	9.5	1.1	14
DEC									
04.	1648	9827	9827	410	6.7	10.0	10.0	1.5	10
FEB									
26.	1647	9827	9827	147	6.9	9.0	11.0	0.9	14
MAR									
12.	1610	9827	9827	56	6.9	15.0	10.0	0.9	12
APR									
16.	1600	9827	9827	648	6.4	19.0	8.9	1.2	10
MAY									
21.	1630	9827	9827	463	6.6	23.0	7.6	2.0	14
JUN									
25.	1710	9827	9827	9.2	7.0	30.0	6.1	1.2	16
JUL									
23.	1546	9827	9827	0.50	7.3	31.0	6.2	1.5	16
30.	1450	9827	9827	73	7.0	27.0	6.5	1.3	46
SEP									
24.	1710	9827	9827	25	7.4	21.0	--	1.7	12

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1638	7.0	4.0	49	8	0.150	<0.050	--
NOV								
19.	1542	6.0	6.7	47	3	0.020	<0.050	0.050
DEC								
04.	1648	8.0	3.9	52	10	0.100	<0.050	0.060
FEB								
26.	1647	7.0	4.1	41	6	0.060	0.220	0.080
MAR								
12.	1610	5.0	3.5	35	4	0.080	<0.050	0.090
APR								
16.	1600	5.0	4.0	44	68	0.170	0.090	0.140
MAY								
21.	1630	7.0	3.8	54	17	0.040	<0.050	--
JUN								
25.	1710	5.0	3.1	34	3	0.150	<0.050	--
JUL								
23.	1546	3.0	3.4	33	2	--	<0.050	0.090
30.	1450	7.0	1.9	54	11	0.120	0.080	0.110
SEP								
24.	1710	5.0	2.8	27	7	0.030	0.150	0.060

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1638	<0.030	6.6	<0.5	<1	<25	<2	<8
NOV								
19.	1542	<0.030	4.4	<0.5	<1	<25	<2	9
DEC								
04.	1648	0.040	7.1	<0.5	<1	<25	<2	<8
FEB								
26.	1647	<0.030	4.4	<0.5	<1	<25	<2	<8
MAR								
12.	1610	<0.030	3.2	<0.5	<1	<25	<2	17
APR								
16.	1600	0.040	8.2	<0.5	<1	<25	<2	<8
MAY								
21.	1630	<0.030	11	<0.5	<1	--	<2	--
JUN								
25.	1710	0.040	5.5	<0.5	<1	<25	<2	<8
JUL								
23.	1546	<0.030	4.9	<0.5	<1	<25	<2	<8
30.	1450	0.100	11	<0.5	<1	<25	<2	--
SEP								
24.	1710	0.110	6.5	<0.5	<1	<25	<2	<8

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, ARKANSAS

LOCATION.--Lat 34°54'41", long 93°03'21", in SE¼NE¼ 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.--210 mi².

PERIOD OF RECORD.--May 1941 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

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

AVERAGE DISCHARGE.--50 years, 300 ft³/s, 19.40 in/yr, 217,4000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft³/s Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 ft³/s on basis of slope-area measurement at gage heights, 18.51 ft, and 19.47 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 21	0900	11,000	10.66	Apr. 27	1000	*14,200	11.69
Apr. 13	2300	13,000	11.33				

Minimum discharge, 0.70 cfs, July 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	34	220	793	112	1210	e86	1350	62	6.7	40	3.7
2	67	31	195	622	101	1320	85	1050	52	5.5	26	4.6
3	42	28	1220	608	95	670	88	1890	45	5.2	18	14
4	366	26	683	506	91	458	319	e640	39	13	13	13
5	118	27	388	433	107	348	263	e450	38	54	9.9	14
6	70	65	268	3030	541	283	203	329	77	34	7.8	17
7	62	61	204	2860	565	228	169	263	48	21	6.6	16
8	209	49	162	1140	388	190	143	227	38	15	6.2	19
9	3530	109	128	715	301	165	207	211	34	13	5.8	14
10	1450	256	106	2480	249	140	398	258	28	9.2	5.0	12
11	580	171	91	2360	211	123	246	e200	26	7.2	3.6	13
12	e350	124	81	1230	184	115	1920	e140	25	5.8	3.1	16
13	e230	97	72	751	172	107	5540	e100	22	4.7	3.1	15
14	e150	79	65	552	162	97	5460	77	19	4.0	2.9	14
15	e100	66	62	1080	136	89	1960	69	17	3.6	2.7	13
16	83	57	61	1480	116	82	1080	91	18	3.3	2.6	14
17	69	49	95	789	111	85	517	133	19	2.9	3.1	23
18	60	44	2890	559	114	89	387	90	16	2.2	3.7	50
19	52	39	1590	485	133	86	371	71	14	1.7	3.4	63
20	45	35	707	488	134	81	240	518	12	1.3	3.0	77
21	75	32	5130	393	128	75	e200	772	11	1.1	3.4	69
22	230	33	2950	324	762	368	e150	387	10	e1.0	3.5	56
23	156	33	1230	285	1100	545	e125	214	32	e.90	3.5	54
24	121	32	660	252	624	278	116	148	22	.80	3.5	48
25	92	33	472	218	420	203	99	778	17	1.0	3.1	42
26	73	33	385	192	319	e160	87	642	13	160	3.8	38
27	61	160	515	177	260	e130	7320	301	10	124	4.2	33
28	52	1730	845	166	223	e115	2590	186	8.4	64	4.0	17
29	46	589	1980	151	---	e103	3910	130	8.0	55	3.7	9.5
30	41	320	2770	136	---	e94	2040	97	7.8	153	3.3	6.9
31	37	---	1430	124	---	e87	---	76	---	72	3.8	---
TOTAL	8624.9	4442	27655	25379	7859	8124	36319	11888	788.2	846.10	209.3	798.7
MEAN	278	148	892	819	281	262	1211	383	26.3	27.3	6.75	26.6
MAX	3530	1730	5130	3030	1100	1320	7320	1890	77	160	40	77
MIN	7.9	26	61	124	91	75	85	69	7.8	.80	2.6	3.7
AC-FT	17110	8810	54850	50340	15590	16110	72040	23580	1560	1680	415	1580
CFSM	1.32	.71	4.25	3.90	1.34	1.25	5.76	1.83	.13	.13	.03	.13
IN.	1.53	.79	4.90	4.50	1.39	1.44	6.43	2.11	.14	.15	.04	.14

CAL YR 1990 TOTAL 173296.46 MEAN 475 MAX 9630 MIN .00 AC-FT 343700 CFSM 2.26 IN. 30.70
WTR YR 1991 TOTAL 132933.20 MEAN 364 MAX 7320 MIN .80 AC-FT 263700 CFSM 1.73 IN. 23.55

e Estimated

07263240 STONE DAM CREEK NEAR CONWAY, ARKANSAS

LOCATION.--Lat 35°03'32", long 92°26'28", in SW¼NE¼ sec.24, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at intersection of two unnamed county roads, 1.0 mi west of State Highway 365, 0.6 mi south of State Highway 286, and 2.1 mi south of Conway Post Office.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	1015	9827	9827	7.2	18.0	6.0	1.5	40	37
NOV									
19.	0918	9827	9827	7.1	17.0	3.9	--	52	36
DEC									
04.	0953	9827	9827	7.0	12.0	5.9	--	36	32
JAN									
29.	1009	9827	9827	7.1	11.0	5.8	--	40	43
FEB									
26.	1004	9827	9827	7.2	11.0	6.6	3.0	40	48
MAR									
12.	1011	9827	9827	7.3	16.0	6.1	4.8	42	41
APR									
16.	1027	9827	9827	7.1	20.0	5.9	4.8	38	25
MAY									
21.	0900	9827	9827	7.1	24.0	5.3	--	44	46
JUN									
25.	1019	9827	9827	6.4	26.0	6.0	1.4	56	43
JUL									
23.	0907	9827	9827	7.0	27.0	5.1	2.4	62	49
30.	0815	9827	9827	6.9	26.0	5.1	3.7	46	49
SEP									
24.	0919	9827	9827	7.3	23.0	--	--	42	34

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1015	20	175	14	1.10	7.68	9.6	--
NOV								
19.	0918	29	215	6	12.0	13.2	14	7.30
DEC								
04.	0953	15	165	14	2.10	2.99	3.4	2.35
JAN								
29.	1009	23	182	15	0.210	8.16	9.3	4.15
FEB								
26.	1004	20	187	19	0.380	7.76	17	3.70
MAR								
12.	1011	27	200	12	0.290	12.4	17	5.40
APR								
16.	1027	14	143	14	1.70	3.75	--	2.60
MAY								
21.	0900	28	211	8	2.40	4.16	1.8	--
JUN								
25.	1019	29	235	16	12.0	0.160	1.6	--
JUL								
23.	0907	27	232	30	--	0.410	--	4.75
30.	0815	28	240	28	11.0	0.210	0.18	5.90
SEP								
24.	0919	22	171	20	1.60	7.16	8.0	5.40

07263240 STONE DAM CREEK NEAR CONWAY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1015	4.12	11	<0.5	<1	<25	<2	11
NOV								
19.	0918	6.45	13	<0.5	<1	<25	<2	13
DEC								
04.	0953	1.76	16	<0.5	<1	<25	<2	41
JAN								
29.	1009	3.04	22	<0.5	<1	<25	<2	23
FEB								
26.	1004	3.28	24	<0.5	1	<25	<2	19
MAR								
12.	1011	4.56	20	<0.5	<1	<25	<2	35
APR								
16.	1027	1.79	9.4	<0.5	<1	<25	<2	10
MAY								
21.	0900	5.24	14	<0.5	<1	--	<2	--
JUN								
25.	1019	5.06	9.0	<0.5	<1	<25	<2	<8
JUL								
23.	0907	4.04	9.3	<0.5	<1	<25	<2	12
30.	0815	5.12	11	<0.5	--	<25	<2	--
SEP								
24.	0919	4.95	9.7	<0.5	<1	<25	<2	21

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION, ARKANSAS

LOCATION.--Lat 34°52'33, long 92°46'28", in SE¼ NE¼ 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.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 386.45 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR CURRENT PERIOD.--Peak discharges greater than base discharge of 5,400 ft³/s and maximum(*):

Water Year 1990:

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Mar. 08	0130	* 4,760	*10.90				

No flow at times.

Water Year 1991:

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Apr. 27	UNK	*UNK	*UNK				

No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	e3.5	e4.0	e5.5	841	288	214	185	51	e.25	.00	.00
2	39	e3.5	e4.0	e5.0	570	205	147	e1300	63	e.15	.00	.00
3	e28	e3.5	e3.5	e8.0	1100	140	110	e800	59	e.10	.00	.00
4	e21	e3.5	e3.5	e12	438	105	88	e550	43	e.00	.00	.00
5	e17	e4.0	e3.5	e10	236	82	86	e350	29	e.00	.00	.00
6	e21	e4.0	e3.5	e9.0	160	68	286	e230	20	e.00	.00	.00
7	e24	e4.5	e3.5	e8.5	115	669	207	e120	14	e.00	.00	.00
8	e21	e5.0	e3.5	e8.0	90	2210	145	e90	9.5	e.00	.00	.00
9	e18	e5.0	e3.5	e7.5	96	424	112	e60	7.1	e.00	.00	.00
10	e16	e4.5	e3.5	e7.0	239	253	143	e45	5.3	e.00	.00	.00
11	e14	e4.5	e3.5	e7.0	162	182	128	e40	4.1	e.00	.00	.00
12	e13	e4.0	e3.5	e6.5	117	179	103	e130	3.2	.00	.00	e.00
13	e12	e4.0	e3.5	e6.0	91	151	86	e350	2.6	.00	.00	e.30
14	e11	e3.5	e3.5	e6.0	72	154	90	e170	2.2	.00	.00	e.60
15	e10	e3.5	e3.5	e6.0	870	308	73	e90	12	.00	.00	e.40
16	e10	e3.5	e3.5	e6.0	361	201	98	e60	5.2	.00	.00	e.30
17	e9.5	e3.5	e3.5	e20	195	142	255	e40	2.1	.00	.00	.24
18	e8.5	e3.0	e3.5	175	141	109	261	e30	1.5	.00	.00	e.10
19	e8.0	e3.0	e3.5	1160	108	90	170	e730	1.0	.00	.00	e.00
20	e7.5	e3.0	e3.0	641	82	71	153	e1040	.75	.00	.00	.00
21	e7.0	e3.5	e3.0	247	84	59	270	e500	.14	.00	.00	.02
22	e6.5	e4.0	e3.0	148	209	49	1240	e250	.32	.00	.00	.00
23	e6.0	e4.5	e3.0	106	146	39	489	142	.42	.00	.00	.00
24	e5.5	e4.5	e3.0	79	110	34	247	92	.41	.00	.00	.00
25	e5.0	e4.5	e3.0	63	83	37	163	64	.57	.00	.00	.00
26	e4.5	e4.5	e3.0	44	69	37	120	45	.62	.00	.00	.00
27	e4.0	e4.5	e3.0	34	57	35	226	125	.98	.00	.00	.00
28	e4.0	e4.5	e3.0	35	54	316	457	134	.89	.00	.00	.00
29	e3.5	e4.0	e3.5	115	---	411	226	89	.58	.00	.00	.00
30	e3.5	e4.0	e4.5	119	---	557	145	66	e.35	.00	.00	.00
31	e3.5	---	e7.0	94	---	327	---	65	---	.00	.00	---
TOTAL	426.5	119.0	109.5	3198.0	6896	7932	6538	7982	340.83	0.50	0.00	1.96
MEAN	13.8	3.97	3.53	103	246	256	218	257	11.4	.016	.000	.065
MAX	65	5.0	7.0	1160	1100	2210	1240	1300	63	.25	.00	.60
MIN	3.5	3.0	3.0	5.0	54	34	73	30	.14	.00	.00	.00
AC-FT	846	236	217	6340	13680	15730	12970	15830	676	1.0	.00	3.9
CFSM	.30	.09	.08	2.24	5.34	5.55	4.73	5.59	.25	.00	.00	.00
IN.	.34	.10	.09	2.58	5.56	6.40	5.28	6.44	.28	.00	.00	.00

WTR YR 1990 TOTAL 33544.29 MEAN 91.9 MAX 2210 MIN .00 AC-FT 66540 CFSM 1.99 IN. 27.07

e Estimated

07263295 MAUMELLE RIVER AT WILLIAMS JUNCTION, ARKANSAS--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	5.1	32	200	23	223	5.9	159	4.2	7.2	.00	e.00
2	.00	3.9	38	168	21	221	5.7	107	3.6	e6.0	.00	e.50
3	.03	4.3	144	174	20	146	7.5	142	3.1	5.5	.00	9.0
4	.17	4.4	99	164	19	113	46	123	1.9	6.2	.00	52
5	.40	6.2	73	167	34	93	31	90	.19	3.8	.00	39
6	.45	6.4	58	1310	162	78	23	60	.03	2.6	.00	25
7	.45	6.2	43	561	139	61	20	40	.72	1.0	.00	18
8	e140	6.8	34	278	106	49	17	28	3.8	.90	.00	13
9	e1500	27	27	198	87	40	27	22	4.2	.77	.00	11
10	415	46	23	737	73	33	23	31	5.9	.48	.00	9.6
11	137	32	20	606	59	29	21	36	7.1	.16	.00	8.2
12	82	23	18	328	49	27	332	23	8.2	.00	.00	6.5
13	53	18	16	219	47	21	986	17	8.2	.00	.00	4.0
14	35	15	14	164	40	e18	e690	12	7.7	.00	.00	3.7
15	24	12	14	278	31	e15	e300	9.2	7.9	.00	.00	3.8
16	26	10	15	295	27	15	180	9.2	17	.00	.00	7.0
17	39	9.8	39	194	31	17	117	9.1	18	.00	.00	10
18	36	9.1	818	148	38	15	87	7.2	18	.00	.00	8.0
19	24	8.4	331	141	58	14	63	5.6	18	.00	.00	7.9
20	8.5	8.1	180	123	48	12	42	5.1	21	.00	.00	6.9
21	11	7.8	e1700	99	41	11	31	6.9	20	.00	.00	6.1
22	29	7.9	431	88	365	10	28	7.6	18	.00	.00	5.7
23	26	8.2	166	80	364	9.7	23	6.4	31	.00	.00	8.9
24	18	7.9	100	69	203	9.2	18	5.7	29	.00	.00	10
25	14	7.6	71	58	141	8.7	14	62	24	.00	.00	11
26	11	7.3	60	51	108	7.9	13	59	24	.00	.00	10
27	8.6	14	116	46	87	7.7	e1800	28	23	.00	.00	7.9
28	e7.5	55	147	41	73	7.2	e760	16	19	.00	.00	6.4
29	6.1	51	368	36	---	6.9	1380	11	17	.00	.00	5.9
30	4.9	38	462	32	---	6.8	e330	7.3	11	.00	.00	6.1
31	4.8	---	307	27	---	6.5	---	5.6	---	.00	e.00	---
TOTAL	2661.90	466.4	5964	7080	2494	1331.6	7421.1	1150.9	374.74	34.61	0.00	321.10
MEAN	85.9	15.5	192	228	89.1	43.0	247	37.1	12.5	1.12	.000	10.7
MAX	1500	55	1700	1310	365	223	1800	159	31	7.2	.00	52
MIN	.00	3.9	14	27	19	6.5	5.7	5.1	.03	.00	.00	.00
AC-FT	5280	925	11830	14040	4950	2640	14720	2280	743	69	.00	637
CFSM	1.86	.34	4.17	4.95	1.93	.93	5.37	.81	.27	.02	.00	.23
IN.	2.15	.38	4.81	5.71	2.01	1.07	5.99	.93	.30	.03	.00	.26

CAL YR 1990 TOTAL 41981.59 MEAN 115 MAX 2210 MIN .00 AC-FT 83270 CFSM 2.49 IN. 33.88
WTR YR 1991 TOTAL 29300.35 MEAN 80.3 MAX 1800 MIN .00 AC-FT 58120 CFSM 1.74 IN. 23.64

e Estimated

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARKANSAS

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Water-discharge records good except for discharges below 10,000 ft³/s, which are fair. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. On Oct. 7, 1988, the North Little Rock Electric Department hydroplant began operation, and discharges at the hydroplant are added to flows from the lock and dam. Satellite telemeter at station.

AVERAGE DISCHARGE.--64 years, 42,060 ft³/s, 30,470,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft³/s May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 ft³/s Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 161,000 ft³/s Apr. 15, maximum tailwater elevation, 240.83 ft Apr. 15; minimum daily discharge, 111 ft³/s July 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2700	13000	11400	47500	30800	12300	24000	85500	41700	6560	9090	955
2	11800	3270	14000	43300	18800	28800	27000	78100	30600	11300	6940	962
3	13600	1050	25600	54800	23300	32700	19100	68100	21400	7790	7730	1760
4	11700	1300	43400	53600	18300	18600	25600	66800	13900	4530	3150	8710
5	12600	13400	22400	50400	24100	7600	40900	79400	25500	5530	4460	13300
6	12200	7200	20100	61200	27500	10300	35400	82400	34800	11500	3080	7670
7	913	6140	17900	67000	37800	19500	20200	71600	31200	11000	5150	6390
8	7000	7280	8640	73800	33000	10200	13400	66700	44500	7200	5040	1780
9	37900	11300	6660	72000	21000	3740	37500	68200	52800	1170	6780	2650
10	35700	9110	17800	77000	27600	10400	33900	57700	52100	2950	3840	11300
11	26900	1270	12200	102000	11800	2480	21600	55100	53700	1750	2550	13000
12	12900	1840	10500	114000	14900	13300	37100	54000	46500	1750	768	4370
13	9300	5250	14500	112000	14400	16800	64900	51300	39100	6050	1400	5650
14	12100	10700	14500	95200	21500	8120	123000	38400	43000	9250	2220	290
15	5110	7260	11500	85400	19300	14400	153000	26400	40300	3130	2810	701
16	13400	10200	5670	92000	6220	13600	131000	23600	33800	5970	4010	1880
17	8170	6160	7270	106000	6070	9910	90300	36200	17100	6680	2420	18300
18	13600	4870	44400	102000	8730	2840	82400	23500	16800	6920	3370	5440
19	3530	3330	52700	96100	17200	17000	104000	24800	25800	6380	749	6890
20	3080	15500	42400	88400	15800	7560	98400	34100	15800	5850	3840	3290
21	3220	4020	53400	71600	15600	14600	75600	26900	12300	1570	1590	5250
22	1440	4750	70200	63900	22000	31500	65700	14600	13200	2100	1560	3200
23	3080	3000	67500	59600	30100	53700	62600	23500	13700	8130	2570	1560
24	2730	9260	45600	59800	19100	60600	52200	24800	12600	7620	3980	305
25	9830	4430	22800	59900	16800	30000	39500	39100	14200	111	1730	4250
26	1300	4030	29200	51800	15900	35800	49300	49400	19700	970	4700	7810
27	781	13500	31200	45200	13800	35000	68900	51700	10700	971	1900	8760
28	783	28300	23300	38200	12100	38000	70400	47600	14800	975	2670	1490
29	933	16100	26600	31900	---	40500	73200	47900	10000	977	6950	2160
30	4550	17900	68300	31800	---	44700	88500	45400	1740	2710	16700	1480
31	6230	---	86000	30200	---	28500	---	41600	---	4180	4290	---
TOTAL	289080	244720	927640	2137600	543520	673050	1828600	1504400	803340	153574	128037	151553
MEAN	9325	8157	29920	68950	19410	21710	60950	48530	26780	4954	4130	5052
MAX	37900	28300	86000	114000	37800	60600	153000	85500	53700	11500	16700	18300
MIN	781	1050	5670	30200	6070	2480	13400	14600	1740	111	749	290
AC-FT	573400	485400	1840000	4240000	1078000	1335000	3627000	2984000	1593000	304600	254000	300600

CAL YR 1990 TOTAL 26211230 MEAN 71810 MAX 404000 MIN 70 AC-FT 51990000
WTR YR 1991 TOTAL 9385114 MEAN 25710 MAX 153000 MIN 111 AC-FT 18620000

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	1052	9827	9827	15800	8.3	21.0	9.3	1.6	80
NOV									
13.	1108	9827	9827	3540	8.2	16.0	10.1	2.9	130
DEC									
11.	1052	9827	9827	12800	8.2	10.0	10.7	--	98
JAN									
22.	1435	9827	9827	60600	8.3	6.0	11.8	1.1	56
FEB									
19.	1432	9827	9827	15800	6.7	10.0	8.7	2.4	14
MAR									
26.	1430	9827	9827	43100	8.0	18.0	9.0	1.7	84
APR									
16.	1445	9827	9827	127000	7.5	20.0	8.4	1.6	58
MAY									
07.	1447	9827	9827	72100	--	22.0	8.8	1.7	--
JUN									
04.	1450	9827	9827	13000	8.7	30.0	12.0	5.1	110
JUL									
02.	1435	9827	9827	4930	8.8	33.0	10.1	2.8	130
30.	1440	9827	9827	3520	8.9	31.0	9.8	3.0	140
SEP									
17.	1424	9827	9827	22800	8.6	30.0	8.8	3.9	130

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
16.	1052	27	42	196	13	<0.020	<0.050	0.66	0.070
NOV									
13.	1108	48	75	304	8	<0.020	0.060	0.68	0.100
DEC									
11.	1052	33	51	218	7	0.110	0.070	0.60	0.050
JAN									
22.	1435	19	15	129	22	0.450	0.080	0.45	0.100
FEB									
19.	1432	8.0	4.7	69	33	0.160	0.130	1.0	0.100
MAR									
26.	1430	24	24	145	17	0.030	--	0.33	0.040
APR									
16.	1445	16	23	140	43	0.270	0.130	1.7	0.090
JUN									
04.	1450	35	63	252	12	<0.020	0.060	0.74	0.080
JUL									
02.	1435	58	91	320	7	<0.020	<0.050	1.1	0.050
30.	1440	51	100	362	6	<0.020	0.070	0.66	--
SEP									
17.	1424	50	100	345	10	<0.020	0.080	0.61	0.050

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1052	<0.030	7.5	<0.5	<1	<25	<2	<8
NOV								
13.	1108	<0.030	5.2	<0.5	<1	<25	<2	<8
DEC								
11.	1052	0.030	4.9	<0.5	<1	<25	<2	<8
JAN								
22.	1435	0.050	4.8	<0.5	<1	<25	<2	<8
FEB								
19.	1432	0.050	10	<0.5	<1	<25	<2	<8
MAR								
26.	1430	0.060	5.6	<0.5	<1	<25	<2	--
APR								
16.	1445	0.050	7.6	<0.5	<1	<25	<2	<8
MAY								
07.	1447	--	--	<0.5	--	<25	<2	<8
JUN								
04.	1450	0.030	6.4	<0.5	--	<25	<2	--
JUL								
02.	1435	0.030	6.9	<0.5	<1	<25	<2	<8
30.	1440	0.070	5.8	<0.5	<1	<25	<2	<8
SEP								
17.	1424	0.080	8.2	<0.5	<1	<25	<2	9

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARKANSAS

(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi², of which 22,241 mi² is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1970 to September 1978, October 1980 to September 1981.
pH: April 1970 to September 1978.
WATER TEMPERATURES: October 1969 to September 1978, October 1980 to September 1981.
DISSOLVED OXYGEN: October 1969 to September 1978.

INSTRUMENTATION.--Water-quality monitor October 1969 to September 1981.

REMARKS.--Discharge figures are for station 07263450, 16.8 mi upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM-PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC-ATION, TOTAL (FEET) (81903)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT											
15...	0945	80513	80020	--	--	--	448	8.0	19.0	8.3	90
DEC											
14...	0900	80513	80020	--	--	--	404	7.5	10.0	10.4	92
FEB											
28...	0800	80513	80020	--	--	--	250	8.0	7.5	12.2	102
APR											
15...	1100	80513	80020	--	--	--	229	7.4	17.5	8.7	91
15...	1130	80513	80513	40.0	5.00	27.0	242	7.3	17.5	8.7	92
15...	1131	80513	80513	40.0	22.0	27.0	241	7.3	17.5	8.6	90
15...	1132	80513	80513	120	5.00	27.0	241	7.3	17.5	8.5	89
15...	1133	80513	80513	120	22.0	27.0	241	7.3	17.5	8.5	89
15...	1134	80513	80513	200	5.00	27.0	242	7.3	17.5	8.5	89
15...	1135	80513	80513	200	22.0	27.0	242	7.3	17.5	8.5	89
15...	1136	80513	80513	280	5.00	27.0	241	7.3	17.5	8.5	89
15...	1137	80513	80513	280	22.0	27.0	241	7.3	17.5	8.5	89
15...	1138	80513	80513	360	5.00	25.0	244	7.3	17.5	8.5	89
15...	1139	80513	80513	360	20.0	25.0	243	7.3	17.5	8.5	89
15...	1140	80513	80513	440	5.00	25.0	243	7.3	17.5	8.5	89
15...	1141	80513	80513	440	20.0	25.0	243	7.3	17.5	8.5	89
15...	1142	80513	80513	520	5.00	25.0	243	7.3	17.5	8.5	89
15...	1143	80513	80513	520	20.0	25.0	242	7.3	17.5	8.5	89
15...	1144	80513	80513	600	3.00	15.0	242	7.3	17.5	8.5	89
15...	1145	80513	80513	600	12.0	15.0	242	7.3	17.5	8.5	89
15...	1146	80513	80513	680	3.00	17.0	240	7.3	17.5	8.5	90
15...	1147	80513	80513	680	14.0	17.0	240	7.3	17.5	8.5	89
15...	1148	80513	80513	760	2.00	10.0	230	7.3	17.5	8.4	88
15...	1149	80513	80513	760	8.00	10.0	230	7.3	17.0	8.4	87

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT											
15.	0945	4840	15	K1800	1200	99	20	28	7.1	44	48
DEC											
14.	0900	14300	10	160	120	97	29	27	7.2	38	45
FEB											
28.	0800	14700	14	380	32	80	10	24	4.8	19	33
APR											
15.	1100	158000	40	K1100	1600	59	10	17	4.1	22	44

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT											
15.	0945	2	3.1	79	0	96	79	33	65	0.20	0.60
DEC											
14.	0900	2	2.7	64	0	83	68	30	56	0.10	1.9
FEB											
28.	0800	0.9	2.3	69	0	85	70	22	23	0.10	3.2
APR											
15.	1100	1	1.8	48	0	60	49	18	29	0.10	3.2

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT											
15.	0945	235	229	3070	0.32	0.180	0.030	0.020	0.100	0.200	0.070
DEC											
14.	0900	209	205	8070	0.28	0.190	<0.010	0.010	0.100	0.200	0.050
FEB											
28.	0800	133	142	5280	0.18	--	<0.010	<0.010	0.260	0.280	0.030
APR											
15.	1100	156	125	66500	0.21	--	0.020	<0.010	0.160	0.160	0.040

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
OCT											
15.	0945	0.060	0.63	0.70	0.070	0.040	0.050	0.020	--	--	--
DEC											
14.	0900	0.040	0.25	0.30	0.020	<0.010	0.010	0.020	20	1	61
FEB											
28.	0800	0.040	0.57	0.60	0.070	0.030	<0.010	0.010	80	<1	46
APR											
15.	1100	0.050	1.7	1.7	0.140	0.020	0.060	<0.010	--	--	--

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
DEC										
14.	0900	<0.5	<1.0	<1	<3	2	49	<1	<4	2
FEB										
28.	0800	0.9	2.0	<1	<3	2	100	1	<4	2

DATE	TIME	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)
DEC										
14.	0900	<0.1	<10	2	<2	<1.0	200	<6	8	--
FEB										
28.	0800	<0.1	<10	1	<1	<1.0	130	<6	6	0.8

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
15.	0945	--	--	--	--	--	--	23	301	67
DEC										
14.	0900	--	--	--	--	--	--	23	888	48
FEB										
28.	0800	<0.6	2.7	0.8	2.1	0.8	0.04	28	1110	46
APR										
15.	1100	--	--	--	--	--	--	388	166000	27

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY											
23...	0800	80513	80020	425	7.6	24.5	7.4	89	21600	16	16
SEP											
04...	0930	80513	80020	570	8.3	28.5	6.8	88	6600	2.5	28

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
MAY											
23...	0800	23	97	27	28	6.5	40	47	2	2.7	70
SEP											
04...	0930	10	130	30	34	9.8	67	53	3	2.0	92

DATE	TIME	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
MAY										
23...	0800	0	85	70	24	66	0.20	3.4	220	215
SEP										
04...	0930	0	116	95	51	100	0.20	1.6	320	324

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
MAY										
23...	0800	12800	0.30	0.240	0.070	0.050	0.310	0.290	0.090	0.100
SEP										
04...	0930	5700	0.44	0.088	0.020	0.010	0.086	0.098	0.060	0.050

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
MAY										
23...	0800	0.61	0.70	0.090	0.020	0.020	0.020	70	<1	58
SEP										
04...	0930	0.64	0.70	0.120	0.050	0.030	0.030	30	2	77

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
MAY										
23...	0800	<0.5	18	<1	<3	11	64	2	5	5
SEP										
04...	0930	<0.5	<1.0	<1	<3	2	22	<1	5	8

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
MAY										
23...	0800	<0.1	<10	1	<1	<1.0	200	<6	81	0.9
SEP										
04...	0930	<0.1	10	<1	<1	<1.0	290	<6	20	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY										
23...	0800	<0.6	2.8	1.0	2.1	1.0	0.04	11	642	90
SEP										
04...	0930	--	--	--	--	--	--	9	160	68

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARKANSAS

LOCATION.--Lat 34°24'48", long 92°06'07", in SE¼NE¼ sec.33, T.3 S., R.10 W., Jefferson County, Hydrologic Unit 11110207, at left bank on downstram side of lock and dam, 4.0 mi southwest of Wright, off State Highway 256.

DRAINAGE AREA.--158,542 mi², of which 22,241 mi² is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1713	9827	9827	133000	8.9	--	10.6	2.9	150
30.	1455	9827	9827	3000	8.2	18.0	8.9	2.0	94
NOV									
27.	1455	9827	9827	14000	8.2	12.0	9.4	1.7	140
JAN									
01.	0740	9827	9827	59600	7.7	3.0	12.2	1.7	74
FEB									
05.	1500	9827	9827	25400	7.7	8.0	12.0	1.0	74
MAR									
19.	0717	9827	9827	13400	8.7	12.0	11.2	2.0	78
APR									
02.	0643	9827	9827	30900	7.7	15.0	9.3	1.8	70
30.	0900	9827	9827	94600	7.5	19.0	7.7	1.0	58
JUN									
04.	1438	9827	9827	21300	8.7	29.0	11.2	0.9	110
JUL									
16.	0840	9827	9827	6500	8.3	30.0	7.8	3.4	130
30.	0721	9827	9827	2000	9.0	28.0	8.7	2.8	140
SEP									
10.	0909	9827	9827	11200	8.6	30.0	7.3	2.7	140

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
02.	1713	--	100	379	12	<0.020	0.200	0.85	0.080
30.	1455	31	49	205	8	0.110	<0.050	0.73	0.090
NOV									
27.	1455	47	69	294	7	0.070	<0.050	--	--
JAN									
01.	0740	25	33	170	37	0.300	<0.050	--	0.120
FEB									
05.	1500	18	15	137	11	0.490	0.130	0.33	0.100
MAR									
19.	0717	21	20	148	10	0.030	0.100	0.32	0.070
APR									
02.	0643	17	23	136	16	0.030	0.120	0.68	0.070
30.	0900	14	24	137	44	0.130	--	2.3	0.120
JUN									
04.	1438	36	61	249	10	0.080	--	0.61	--
JUL									
16.	0840	55	90	332	8	<0.020	0.100	--	--
30.	0721	50	94	335	9	<0.020	0.060	0.48	0.110
SEP									
10.	0909	48	100	348	10	<0.020	<0.050	0.75	0.110

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1713	<0.030	6.0	<0.5	<1	<25	<2	<8
30.	1455	<0.030	6.0	<0.5	<1	<25	<2	<8
NOV								
27.	1455	<0.030	6.4	<0.5	<1	<25	<2	<8
JAN								
01.	0740	<0.030	6.3	--	<1	<25	<2	<8
FEB								
05.	1500	<0.030	5.0	<0.5	<1	<25	<2	<8
MAR								
19.	0717	<0.030	4.5	<0.5	<1	<25	<2	--
APR								
02.	0643	<0.030	5.4	<0.5	--	<25	2	--
30.	0900	0.050	6.6	<0.5	<1	<25	<2	<8
JUN								
04.	1438	<0.030	5.6	<0.5	<1	<25	<2	<8
JUL								
16.	0840	<0.030	4.8	<0.5	<1	<25	<2	<8
30.	0721	0.050	7.8	<0.5	<1	<25	<2	<8
SEP								
10.	0909	<0.030	6.8	<0.5	<1	<25	<2	<8

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARKANSAS

LOCATION.--Lat 34°14'56", long 91°54'22", in SE¼.NE¼. sec.29, T.5 S., R.5 W., Jefferson County, Hydrologic Unit 11110207, on upstream side of lock and dam at end of State Highway 81, 2.2 mi east of St. Louis Southwestern Railroad Yard.

DRAINAGE AREA.--158,658 mi², of which 22,241 mi² is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1625	9827	9827	12900	8.8	--	10.2	2.6	140
30.	1415	9827	9827	2200	8.1	18.0	8.6	1.9	110
NOV									
27.	1408	9827	9827	16000	8.3	17.0	9.7	1.8	140
JAN									
01.	0830	9827	9827	66500	7.7	3.0	12.5	1.6	70
FEB									
05.	1405	9827	9827	25600	7.8	8.0	12.1	1.1	68
MAR									
19.	0755	9827	9827	13300	8.7	12.0	11.2	2.4	78
APR									
02.	0721	9827	9827	30900	7.7	15.0	9.2	1.6	120
30.	0952	9827	9827	101000	7.5	19.0	8.4	1.9	56
JUN									
04.	1355	9827	9827	12900	8.6	29.0	11.6	1.4	110
JUL									
16.	0935	9827	9827	7000	8.3	30.0	7.0	3.3	130
30.	0750	9827	9827	2000	9.0	28.0	8.9	3.2	130
SEP									
10.	0812	9827	9827	11200	8.4	28.0	5.6	2.6	130

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
02.	1625	--	94	342	13	<0.020	0.080	1.1	0.100
30.	1415	32	54	241	8	0.080	<0.050	0.83	0.080
NOV									
27.	1408	47	69	291	8	0.060	<0.050	--	--
JAN									
01.	0830	24	31	159	50	0.300	<0.050	--	0.130
FEB									
05.	1405	17	15	139	12	0.470	0.090	0.38	0.120
MAR									
19.	0755	21	20	138	10	0.060	<0.050	0.39	0.080
APR									
02.	0721	17	21	129	14	0.050	0.130	0.65	0.080
30.	0952	15	25	137	42	0.130	--	--	0.110
JUN									
04.	1355	35	61	243	10	0.090	--	0.61	--
JUL									
16.	0935	56	89	326	10	<0.020	0.090	0.77	--
30.	0750	48	87	319	9	<0.020	0.070	0.02	0.120
SEP									
10.	0812	47	95	328	12	<0.020	<0.050	0.97	0.110

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1625	<0.030	5.6	<0.5	<1	<25	<2	<8
30.	1415	<0.030	7.1	<0.5	<1	<25	<2	<8
NOV								
27.	1408	<0.030	6.2	<0.5	<1	<25	<2	<8
JAN								
01.	0830	<0.030	6.5	--	<1	<25	<2	<8
FEB								
05.	1405	<0.030	5.4	<0.5	<1	<25	<2	<8
MAR								
19.	0755	<0.030	4.7	<0.5	<1	<25	<2	--
APR								
02.	0721	0.030	5.2	<0.5	--	<25	<2	--
30.	0952	0.040	6.7	<0.5	<1	<25	<2	<8
JUN								
04.	1355	<0.030	5.5	<0.5	<1	<25	<2	<8
JUL								
16.	0935	<0.030	4.8	<0.5	<1	<25	<2	<8
30.	0750	0.090	6.8	<0.5	<1	<25	<2	<8
SEP								
10.	0812	<0.030	7.9	<0.5	<1	<25	<2	<8

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARKANSAS

LOCATION.--Lat 34°51'58", long 92°09'13", in NE¼NE¼ sec.27, T.3 N., R.11 W., Pulaski County, Hydrologic Unit 08020402, at bridge on Cato Road, 2.2 mi east of State Highway 107, and 2.0 mi east of Gravel Ridge.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
16.	1000	9827	9827	6.6	17.0	5.1	1.0	14	5.0
NOV									
13.	1015	9827	9827	6.8	12.0	6.4	1.1	18	8.0
DEC									
11.	1001	9827	9827	6.9	7.0	10.0	1.1	18	5.0
JAN									
22.	1351	9827	9827	6.7	5.0	10.9	0.7	18	6.0
FEB									
19.	1340	9827	9827	8.0	9.0	11.2	1.8	70	20
MAR									
26.	1340	9827	9827	6.6	20.0	6.1	1.4	20	6.0
APR									
16.	1355	9827	9827	6.5	19.0	6.2	1.6	10	6.0
MAY									
07.	1355	9827	9827	6.6	20.0	5.9	1.2	16	6.0
JUN									
04.	1403	9827	9827	6.9	27.0	2.9	2.7	24	5.0
JUL									
02.	1440	9827	9827	6.8	28.0	1.4	2.3	30	5.0
30.	1355	9827	9827	7.2	26.0	2.5	2.5	34	5.0
SEP									
17.	1335	9827	9827	6.9	26.0	2.0	2.4	22	4.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	1000	4.1	52	10	0.200	<0.050	0.46	0.070
NOV								
13.	1015	7.9	58	10	0.040	<0.050	0.65	0.120
DEC								
11.	1001	5.8	37	5	0.060	<0.050	0.30	0.050
JAN								
22.	1351	3.7	42	5	0.120	<0.050	0.32	0.060
FEB								
19.	1340	18	130	12	0.350	0.090	0.65	<0.030
MAR								
26.	1340	4.4	45	16	<0.020	0.280	0.35	0.080
APR								
16.	1355	4.0	45	8	0.130	0.130	0.88	0.060
MAY								
07.	1355	2.5	48	16	0.030	0.050	0.64	0.080
JUN								
04.	1403	4.4	62	12	<0.020	0.060	1.1	0.150
JUL								
02.	1440	4.1	54	30	0.030	<0.050	3.8	0.320
30.	1355	3.6	61	10	<0.020	0.080	0.84	--
SEP								
17.	1335	3.3	52	42	0.020	0.090	1.5	0.180

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1000	0.030	4.2	<0.5	3	<25	<2	<8
NOV								
13.	1015	0.040	5.8	<0.5	<1	<25	<2	<8
DEC								
11.	1001	0.040	2.7	<0.5	<1	<25	<2	<8
JAN								
22.	1351	<0.030	3.2	0.5	<1	<25	<2	<8
FEB								
19.	1340	<0.030	3.7	<0.5	<1	<25	<2	<8
MAR								
26.	1340	0.050	4.8	<0.5	<1	<25	<2	--
APR								
16.	1355	0.030	6.3	<0.5	<1	<25	<2	<8
MAY								
07.	1355	0.030	5.0	<0.5	--	<25	<2	<8
JUN								
04.	1403	0.080	9.6	<0.5	--	<25	<2	--
JUL								
02.	1440	0.030	18	<0.5	<1	<25	<2	<8
30.	1355	0.120	7.3	<0.5	<1	<25	<2	8
SEP								
17.	1335	0.040	14	<0.5	<1	<25	<2	8

07263935 BAYOU METO NEAR JACKSONVILLE, ARKANSAS

LOCATION.--Lat 34°50'39", long 92°07'20", in NE¼SW¼ sec.31, T.3 N., R.10 W., Pulaski County, Hydrologic Unit 08020402, at bridge on State Highway 161, 1.2 mi south of Missouri Pacific Railroad bridge and 0.4 mi south of Old Military Road (State Highway 294).

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
16.	0940	9827	9827	6.7	18.0	4.7	2.2	20	12
NOV									
13.	0945	9827	9827	6.9	--	5.7	1.7	22	12
DEC									
11.	0942	9827	9827	6.9	8.0	9.0	1.0	26	10
JAN									
22.	1315	9827	9827	6.9	4.0	10.0	1.1	20	8.0
FEB									
19.	1323	9827	9827	6.8	11.0	8.8	3.0	20	8.0
MAR									
26.	1320	9827	9827	7.0	21.0	5.4	4.1	38	11
APR									
16.	1315	9827	9827	6.4	19.0	4.1	1.9	10	7.0
MAY									
07.	1330	9827	9827	6.8	--	5.2	2.4	24	9.0
JUN									
04.	1330	9827	9827	7.1	29.0	5.4	4.1	50	12
JUL									
02.	1315	9827	9827	7.3	31.0	4.5	3.0	62	18
30.	1330	9827	9827	7.3	28.0	4.4	5.5	40	19
SEP									
17.	1259	9827	9827	7.2	27.0	4.6	3.1	54	26

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	0940	6.9	76	36	0.200	0.200	0.83	0.430
NOV								
13.	0945	12	83	24	0.320	0.250	1.1	0.760
DEC								
11.	0942	9.9	72	10	0.250	0.250	0.70	0.500
JAN								
22.	1315	5.2	57	8	0.300	0.100	0.56	0.200
FEB								
19.	1323	6.9	65	32	0.260	0.210	0.82	0.160
MAR								
26.	1320	10	109	48	0.420	0.310	0.54	0.910
APR								
16.	1315	4.3	56	8	0.150	0.150	1.2	0.090
MAY								
07.	1330	5.2	65	28	0.090	0.250	1.2	0.220
JUN								
04.	1330	19	130	16	0.240	0.220	1.1	1.64
JUL								
02.	1315	24	153	8	0.100	0.490	1.9	2.62
30.	1330	19	135	14	0.220	0.760	1.8	--
SEP								
17.	1259	34	180	24	0.690	0.460	1.1	3.25

07263935 BAYOU METO NEAR JACKSONVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	0940	0.290	9.2	<0.5	<1	<25	<2	15
NOV								
13.	0945	0.660	8.6	<0.5	<1	<25	<2	<8
DEC								
11.	0942	0.390	5.2	<0.5	<1	<25	<2	<8
JAN								
22.	1315	0.150	5.1	<0.5	<1	<25	<2	<8
FEB								
19.	1323	0.100	7.5	<0.5	<1	<25	2	20
MAR								
26.	1320	0.620	9.2	<0.5	<1	<25	<2	--
APR								
16.	1315	0.060	8.2	0.6	<1	<25	<2	<8
MAY								
07.	1330	0.140	7.6	<0.5	--	<25	<2	<8
JUN								
04.	1330	1.68	10	<0.5	--	<25	<2	--
JUL								
02.	1315	2.36	9.9	<0.5	<1	<25	<2	<8
30.	1330	1.52	14	<0.5	<1	<25	<2	20
SEP								
17.	1259	2.36	10	<0.5	<1	<25	<2	18

07264000 BAYOU METO NEAR LONOKE, ARKANSAS

LOCATION.--Lat 34°44'10", long 91°54'58", in SW ¼ sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^2.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of U.S. Army Corps of Engineers, Vicksburg district; published as "Big Bayou Meto near Lonoke."

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

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft higher. Feb. 10 to June 29, 1955 nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--37 years, 304 ft^3/s, 220,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,750 ft^3/s Dec. 29, 1987, gage height, 27.11 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,950 ft^3/s Jan. 11, gage height, 24.36 ft; minimum, 0.19 ft^3/s July 19, 20, 21, gage height, 3.85 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	33	459	1630	181	394	235	1570	90	19	26	358
2	5.6	29	420	1590	155	444	219	1720	71	15	22	385
3	4.2	23	341	1560	130	510	180	1800	56	11	16	372
4	6.1	17	279	1490	112	570	138	1780	48	5.9	12	354
5	7.3	16	288	1390	108	590	116	1690	65	2.8	9.9	381
6	11	16	306	1660	118	538	120	1540	57	1.5	5.2	372
7	19	20	278	2020	138	429	118	1330	33	2.4	1.3	331
8	29	25	230	2150	187	332	121	1080	20	1.2	.61	283
9	590	28	182	2260	201	270	174	816	15	.54	.56	242
10	1120	43	143	2600	182	223	399	587	13	.73	1.1	207
11	1300	93	118	2910	155	185	465	406	10	1.7	.63	175
12	1300	119	104	2910	139	172	684	296	11	.87	.91	141
13	1260	102	89	2780	132	160	942	226	17	2.4	1.3	113
14	1170	77	74	2620	122	144	1270	167	44	2.0	5.4	99
15	1030	61	64	2400	112	133	1580	132	66	.87	4.3	83
16	840	52	55	2190	110	115	1820	113	59	.90	.79	72
17	620	43	93	1950	97	103	2000	105	65	.31	3.6	86
18	402	36	367	1740	85	96	2120	107	53	.41	21	131
19	264	30	568	1550	175	104	2110	90	40	.49	34	108
20	193	25	709	1340	325	118	1960	74	28	.26	30	75
21	133	22	926	1160	425	119	1780	58	23	.28	24	54
22	110	23	1200	1000	488	108	1580	66	23	.52	19	39
23	100	23	1400	856	541	94	1360	74	35	.67	14	30
24	95	28	1560	711	557	79	1120	62	62	.63	10	25
25	94	72	1720	578	579	72	876	58	67	2.5	1.8	22
26	73	72	1810	466	592	67	639	82	61	.86	3.4	21
27	62	74	1870	382	550	63	525	165	62	.68	76	19
28	53	264	1890	319	448	61	736	189	49	.88	205	16
29	47	365	1840	279	---	90	1130	151	34	9.9	264	12
30	42	426	1780	251	---	173	1360	117	26	31	285	11
31	38	---	1710	217	---	220	---	107	---	30	298	---
TOTAL	11025.6	2257	22873	46959	7144	6776	27877	16758	1303	148.20	1396.80	4617
MEAN	356	75.2	738	1515	255	219	929	541	43.4	4.78	45.1	154
MAX	1300	426	1890	2910	592	590	2120	1800	90	31	298	385
MIN	4.2	16	55	217	85	61	116	58	10	.26	.56	11
AC-FT	21870	4480	45370	93140	14170	13440	55290	33240	2580	294	2770	9160

CAL YR 1990 TOTAL 167309.0 MEAN 458 MAX 2700 MIN 1.0 AC-FT 331900
WTR YR 1991 TOTAL 149134.60 MEAN 409 MAX 2910 MIN .26 AC-FT 295800

07265099 BAYOU METO NEAR BAYOU METO, ARKANSAS

LOCATION.--Lat 34°12'07", long 91°31'50", in SE¼NE¼ sec.3, T.6 S., R.5 W., at Arkansas-Jefferson County line, Hydrologic Unit 08020402, at bridge on State Highway 11, 1.6 mi southwest of Bayou Meto.

DRAINAGE AREA.--794 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1540	9827	9827	7.5	--	5.5	1.1	70
30...	1335	9827	9827	7.1	14.0	5.4	1.3	44
NOV								
27...	1330	9827	9827	7.4	16.0	5.2	1.1	58
JAN								
01...	0945	9827	9827	7.1	3.0	8.8	2.3	26
FEB								
05...	1323	9827	9827	7.0	10.0	8.3	1.2	24
MAR								
19...	0833	9827	9827	7.2	13.0	7.6	1.6	32
APR								
02...	0755	9827	9827	7.2	16.0	7.0	2.6	66
30...	1035	9827	9827	6.9	20.0	4.0	1.1	28
JUN								
04...	1329	9827	9827	7.1	--	3.4	2.2	42
JUL								
16...	1003	9827	9827	7.6	29.0	5.1	--	94
30...	0826	9827	9827	7.9	26.0	4.3	3.5	170
SEP								
10...	1202	9827	9827	7.7	28.0	4.6	0.9	92

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1540	--	15	131	32	0.090	<0.050	0.170
30...	1335	9.0	9.4	96	19	0.060	<0.050	0.170
NOV								
27...	1330	16	13	122	26	0.120	0.050	--
JAN								
01...	0945	8.0	6.7	117	30	0.120	<0.050	0.220
FEB								
05...	1323	9.0	5.2	110	24	0.090	0.110	0.200
MAR								
19...	0833	9.0	6.3	117	66	0.280	0.070	0.690
APR								
02...	0755	7.0	8.4	136	94	0.540	0.230	0.300
30...	1035	10	5.8	145	66	0.260	--	0.280
JUN								
04...	1329	7.0	5.7	100	73	0.310	--	--
JUL								
16...	1003	26	23	182	41	0.150	0.250	--
30...	0826	28	36	276	56	0.970	0.260	0.180
SEP								
10...	1202	14	20	168	42	0.090	<0.050	0.160

07265099 BAYOU METO NEAR BAYOU METO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	1540	0.070	9.7	<0.5	<1	<25	3	<8
30...	1335	0.070	11	<0.5	<1	<25	<2	<8
NOV								
27...	1330	0.100	12	<0.5	<1	<25	<2	<8
JAN								
01...	0945	0.150	11	--	<1	<25	<2	<8
FEB								
05...	1323	0.060	11	<0.5	<1	<25	<2	<8
MAR								
19...	0833	0.110	12	<0.5	2	<25	<2	--
APR								
02...	0755	0.160	13	<0.5	--	<25	2	--
30...	1035	0.350	11	<0.5	<1	<25	<2	<8
JUN								
04...	1329	0.140	12	<0.5	<1	<25	<2	<8
JUL								
16...	1003	0.050	9.2	<0.5	<1	<25	<2	<8
30...	0826	0.120	7.2	<0.5	<1	<25	<2	<8
SEP								
10...	1202	0.060	12	<0.5	<1	<25	<2	<8

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARKANSAS

LOCATION.--Lat 33°59'20", long 91°18'47", in sec.20, T.8 S., R.3 W., Arkansas County, Hydrologic Unit 08020401
2.0 mi downstream from Arkansas Post Canal, and 9.8 mi southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2, of which 22,241 mi^2 is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to May 1981.
WATER TEMPERATURES: November 1979 to May 1981.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1410	9827	9827	12700	8.9	--	10.6	2.7	140
30.	1245	9827	9827	1200	7.7	15.0	7.4	1.2	88
NOV									
27.	1240	9827	9827	9040	8.4	18.0	10.1	1.4	120
JAN									
01.	0945	9827	9827	68000	7.6	4.0	11.7	2.1	48
FEB									
05.	1235	9827	9827	22500	7.7	9.0	11.3	0.9	48
MAR									
19.	0916	9827	9827	13200	8.4	13.0	10.3	2.3	80
APR									
02.	0857	9827	9827	30000	7.6	15.0	9.5	1.9	62
30.	0952	9827	9827	101000	7.5	19.0	8.2	1.2	56
JUN									
04.	1248	9827	9827	11000	8.3	29.0	10.4	1.9	100
JUL									
15.	1021	9827	9827	6000	8.4	30.0	8.6	4.1	150
30.	0911	9827	9827	2000	9.0	30.0	9.2	3.6	140
SEP									
10.	1115	9827	9827	11200	8.4	29.0	6.4	2.3	170

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1410	--	75	310	13	<0.020	0.080	0.100
30.	1245	28	43	209	10	0.070	<0.050	0.110
NOV								
27.	1240	50	57	252	8	0.040	<0.050	--
JAN								
01.	0945	17	20	130	43	0.260	<0.050	0.150
FEB								
05.	1235	15	13	139	13	0.390	0.110	0.090
MAR								
19.	0916	21	20	148	12	0.060	<0.050	0.100
APR								
02.	0857	16	19	129	19	0.100	0.130	0.100
30.	0952	15	25	137	53	0.150	--	0.120
JUN								
04.	1248	33	57	239	12	0.140	--	--
JUL								
15.	1021	68	100	372	9	<0.020	0.110	--
30.	0911	48	87	331	10	<0.020	0.050	0.140
SEP								
10.	1115	49	96	349	13	<0.020	<0.050	0.120

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1410	<0.030	5.3	<0.5	<1	<25	<2	<8
30.	1245	0.050	6.5	<0.5	<1	<25	<2	<8
NOV								
27.	1240	0.030	7.1	<0.5	<1	<25	<2	<8
JAN								
01.	0945	<0.030	7.5	--	<1	<25	<2	<8
FEB								
05.	1235	0.050	5.8	<0.5	<1	<25	<2	<8
MAR								
19.	0916	<0.030	4.6	<0.5	<1	<25	<2	--
APR								
02.	0857	0.070	6.5	<0.5	--	<25	<2	--
30.	0952	0.060	6.4	<0.5	<1	<25	<2	<8
JUN								
04.	1248	<0.030	6.0	<0.5	<1	<25	<2	<8
JUL								
15.	1021	0.040	5.6	<0.5	<1	<25	<2	<8
30.	0911	0.100	5.8	<0.5	<1	<25	<2	<8
SEP								
10.	1115	<0.030	8.1	<0.5	<1	<25	<2	<8

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARKANSAS
(National stream-quality accounting network)

LOCATION.--Lat 33°33'27", long 91°14'15", in sec.18, T.13 S., R.1 W., Chicot County, Hydrologic Unit 08050002, 3.0 mi southwest of Arkansas City, and at mile 554.1.

DRAINAGE AREA.--1,130,600 mi^2, approximately.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT											
29...	1500	80513	80020	414000	420	8.4	15.0	26	9.1	90	762
MAR											
07...	0930	80513	80020	396000	250	7.6	8.5	43	10.2	88	759
MAY											
01...	1330	80513	80513	1160000	285	7.8	16.0	100	9.3	94	763
JUL											
10...	0800	80513	80513	892000	410	7.7	29.0	50	6.5	85	762

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT											
29...	1500	K390	190	170	51	44	14	21	21	0.7	3.9
MAR											
07...	0930	340	K24	--	--	--	--	--	--	--	2.2
MAY											
01...	1330	3800	560	110	36	31	8.9	10	16	0.4	2.6
JUL											
10...	0800	150	K12	170	41	46	14	12	13	0.4	3.3

DATE	TIME	ALKALINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT										
29...	1500	116	0	143	117	52	19	0.20	6.5	250
MAR										
07...	0930	74	0	88	72	34	11	0.20	--	153
MAY										
01...	1330	78	0	95	78	28	15	0.20	6.5	150
JUL										
10...	0800	129	0	161	132	34	14	0.20	8.3	226

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT										
29...	1500	238	279000	0.34	1.49	0.010	1.50	0.020	<0.010	0.38
MAR										
07...	0930	--	--	--	1.18	0.020	1.20	0.090	0.040	0.41
MAY										
01...	1330	157	470000	0.20	--	<0.010	1.70	0.130	0.030	0.77
JUL										
10...	0800	224	544000	0.31	--	<0.010	2.70	0.050	0.040	0.95

DATE	TIME	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT										
29...	1500	0.40	0.180	0.090	0.080	61	20	1	<0.5	1.0
MAR										
07...	0930	0.50	0.120	0.040	<0.010	<2	40	<1	<0.5	<1.0
MAY										
01...	1330	0.90	0.240	0.060	0.040	46	70	<1	<0.5	4.0
JUL										
10...	0800	1.0	0.260	0.110	0.100	70	10	2	<0.5	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT										
29...	1500	<1	<3	5	16	1	8	<1	<0.1	<10
MAR										
07...	0930	<1	<3	2	<3	<1	16	<1	<0.1	<10
MAY										
01...	1330	<1	<3	10	66	1	<4	4	<0.1	<10
JUL										
10...	0800	<1	<3	5	11	<1	<4	1	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
29...	1500	2	<1	<1.0	210	<6	12	61	68200	94
MAR										
07...	0930	1	<1	<1.0	<1	<6	<3	78	83400	89
MAY										
01...	1330	<1	<1	<1.0	110	<6	27	288	902000	90
JUL										
10...	0800	1	<1	<1.0	160	<6	11	211	508000	73

07336860 RED RIVER NEAR FOREMAN, ARKANSAS

LOCATION.--Lat 33°34'12", long 94°24'39", in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi south of Foreman.

DRAINAGE AREA.--47,648 mi^2, of which 5,936 mi^2 is probably noncontributing.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1319	9827	9827	6080	8.2	24.0	8.7	4.8	150
30.	1245	9827	9827	3360	8.1	17.0	9.4	4.4	250
NOV									
27.	1110	9827	9827	4330	8.3	19.0	8.5	3.8	280
JAN									
22.	1447	9827	9827	5200	7.9	6.0	10.9	3.6	160
FEB									
05.	1440	9827	9827	8000	8.0	11.0	10.3	4.1	230
MAR									
19.	1450	9827	9827	3810	8.3	15.0	10.2	4.7	310
APR									
23.	1340	9827	9827	2100	8.0	19.0	7.5	4.3	90
MAY									
21.	1240	9827	9827	4000	7.7	24.0	8.2	2.5	84
JUN									
18.	1353	9827	9827	6900	7.9	29.0	6.2	3.0	260
JUL									
02.	1628	9827	9827	9000	8.0	34.0	7.0	4.4	300
AUG									
20.	1425	9827	9827	4080	8.1	28.0	7.5	--	260
SEP									
17.	1400	9827	9827	4740	8.1	28.0	7.2	2.0	180

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1319	61	63	324	104	<0.020	--	0.150
30.	1245	90	--	500	20	<0.020	<0.050	0.050
NOV								
27.	1110	160	160	649	33	0.090	<0.050	0.090
JAN								
22.	1447	76	68	345	324	0.280	0.050	0.240
FEB								
05.	1440	110	9.3	492	78	0.240	0.060	0.130
MAR								
19.	1450	140	140	659	46	--	--	0.120
APR								
23.	1340	32	28	203	278	0.240	0.060	0.210
MAY								
21.	1240	34	34	185	92	0.110	1.68	0.110
JUN								
18.	1353	150	--	615	340	0.140	0.120	0.220
JUL								
02.	1628	190	240	713	185	0.160	<0.050	0.190
AUG								
20.	1425	95	130	590	2	<0.020	0.180	0.130
SEP								
17.	1400	98	120	452	68	<0.020	<0.050	0.040

07336860 RED RIVER NEAR FOREMAN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1319	0.060	9.2	--	<1	<25	<2	--
30.	1245	<0.030	11	<0.5	<1	<25	<2	--
NOV								
27.	1110	<0.030	11	<0.5	<1	<25	<2	<8
JAN								
22.	1447	0.060	10	--	<1	<25	<2	<8
FEB								
05.	1440	<0.030	10	<0.5	<1	<25	<2	17
MAR								
19.	1450	<0.030	9.1	<0.5	<1	<25	<2	<8
APR								
23.	1340	0.070	12	<0.5	<1	<25	<2	--
MAY								
21.	1240	<0.030	6.9	<0.5	<1	<25	<2	<8
JUN								
18.	1353	0.030	8.2	<0.5	<1	<25	<2	--
JUL								
02.	1628	0.040	9.0	<0.5	--	<25	<2	--
AUG								
20.	1425	0.030	14	<0.5	--	<25	<2	--
SEP								
17.	1400	<0.030	8.9	<0.5	<1	<25	<2	<8

07337000 RED RIVER AT INDEX, ARKANSAS
(National stream-quality accounting network station)

LOCATION.--Lat 33°33'07", long 94°02'28", in NW¼SW¼ 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 National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft downstream at present datum.

REMARKS.--Water-discharge records good, except for estimated daily discharges, which are fair. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--55 years, 12,520 ft³/s, 9,071,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft³/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft³/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,400 ft³/s June 17, gage height, 13.58 ft; minimum daily, 2,290 ft³/s Nov. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8310	3290	3770	e8710	9730	5580	19500	32500	15600	26800	11000	3910
2	6400	2740	4850	e9360	9130	6760	17800	30500	15600	23600	14300	5850
3	6620	2410	9730	e13300	8160	8850	16100	25900	15000	21200	15500	5880
4	6280	2290	12400	e15300	7860	10000	14600	24500	14700	18800	17400	5190
5	5550	2500	12200	e16100	7860	9120	13200	36200	14700	15200	17100	5010
6	4930	2810	9750	e13900	9160	7560	11200	47100	15600	12900	16400	4650
7	4270	2990	8370	e14100	11300	6600	11100	42400	20000	11900	14300	3720
8	4630	3520	8200	17800	12200	7830	13500	36300	32700	10400	12200	3780
9	8430	4420	8680	19800	13000	7740	15000	35200	38200	9480	11700	4290
10	15100	6350	7840	e22600	13000	5780	14700	36200	44600	8970	9990	7810
11	16000	8180	6430	e27500	11400	4410	15500	38100	49700	8580	8620	11000
12	17500	7290	5460	e33100	9640	3840	16900	35700	49400	8310	8070	13800
13	17400	5890	4550	e32500	7810	4060	20900	29800	45100	7870	7920	18900
14	16000	5660	3640	29500	6670	3760	38700	27000	44500	7020	7460	17900
15	14900	5280	3310	27200	5070	3150	47500	24300	45500	6540	5730	14500
16	13400	4180	e4500	22500	4670	2860	45000	21700	48300	6290	4340	11000
17	12300	3400	e3800	18500	5980	2900	39300	20700	51100	6120	4570	8800
18	11500	3030	e3500	17800	6870	3660	34400	21600	50100	5940	4780	7490
19	10200	3690	e3900	19400	8490	4430	35900	20500	47500	5900	4480	5320
20	7840	5010	e4000	24800	10900	4320	39900	18200	45500	5810	4370	5000
21	6880	5450	e4200	27800	10600	4170	39400	16200	48300	5740	4240	17200
22	5150	5840	e10000	28800	9670	3480	37000	15900	50200	5680	4150	25500
23	3580	6210	e14000	26700	12300	3260	36600	16100	49800	5630	3690	24300
24	3200	6040	e13000	23500	14000	4030	35600	16600	49400	5530	3250	24600
25	3350	5680	e12000	20700	12000	7820	34600	14900	50100	5470	3660	31300
26	3650	5940	e11000	18400	8810	14300	33700	13100	43000	5620	3770	31600
27	4140	6260	e12000	16400	6940	19000	33200	14700	36900	5680	3510	26200
28	4480	6200	e11000	14100	5800	21000	38600	13500	36100	6310	3430	22800
29	4020	5230	e9300	12100	---	22100	41200	12400	34200	6490	3710	21700
30	3730	4510	e7800	10900	---	22400	38200	16300	29600	6880	3600	19900
31	3710	---	e7000	10100	---	21400	---	16800	---	8250	3410	---
TOTAL	253450	142290	240180	613270	259020	256170	848800	770900	1131000	294910	240650	408900
MEAN	8176	4743	7748	19780	9251	8264	28290	24870	37700	9513	7763	13630
MAX	17500	8180	14000	33100	14000	22400	47500	47100	51100	26800	17400	31600
MIN	3200	2290	3310	8710	4670	2860	11100	12400	14700	5470	3250	3720
AC-FT	502700	282200	476400	1216000	513800	508100	1684000	1529000	2243000	585000	477300	811100

CAL YR 1990 TOTAL 11356370 MEAN 31110 MAX 268000 MIN 1380 AC-FT 22530000
WTR YR 1991 TOTAL 5459540 MEAN 14960 MAX 51100 MIN 2290 AC-FT 10830000

e Estimated

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1981.
WATER TEMPERATURE: January to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC											
11...	1230	80513	80020	--	--	--	585	7.4	8.0	10.0	85
JAN											
07...	1400	80513	80020	--	--	--	295	7.5	4.5	12.4	96
MAR											
05...	1320	80513	80020	--	--	--	704	7.6	12.5	9.7	93
APR											
03...	0840	80513	80513	543	1.50	8.00	597	7.7	16.5	9.1	95
03...	0841	80513	80513	543	6.50	8.00	598	7.7	16.5	9.1	94
03...	0843	80513	80513	610	2.00	4.00	599	7.8	16.5	9.0	94
03...	0845	80513	80513	677	2.00	4.00	600	7.8	16.5	9.0	93
03...	0847	80513	80513	744	1.00	5.00	600	7.8	16.5	9.0	93
03...	0848	80513	80513	744	4.00	5.00	600	7.8	16.5	8.9	92
03...	0850	80513	80513	811	1.50	8.00	600	7.8	16.5	8.9	92
03...	0851	80513	80513	811	6.50	8.00	600	7.8	16.5	8.9	92
03...	0853	80513	80513	878	1.50	8.00	599	7.8	16.5	8.9	92
03...	0854	80513	80513	878	6.50	8.00	599	7.8	16.5	8.9	92
03...	0856	80513	80513	945	3.00	15.0	593	7.8	16.5	8.9	92
03...	0857	80513	80513	945	12.0	15.0	593	7.8	16.5	8.9	92
03...	0859	80513	80513	1010	4.00	20.0	591	7.8	16.5	8.9	92
03...	0900	80513	80513	1010	16.0	20.0	586	7.8	16.5	8.9	92
03...	0902	80513	80513	1080	4.00	20.0	581	7.8	16.5	8.9	92
03...	0903	80513	80513	1080	16.0	20.0	582	7.8	16.5	8.9	92
03...	0905	80513	80513	1150	5.00	24.0	581	7.8	16.5	8.9	92
03...	0906	80513	80513	1150	19.0	24.0	580	7.8	16.5	8.9	92

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
DEC											
11.	1230	6150	35	32	68	150	28	43	11	51	41
JAN											
07.	1400	12600	85	31	22	84	20	24	5.7	23	37
MAR											
05.	1320	8960	85	42	79	160	96	46	12	58	43

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
DEC											
11.	1230	2	3.4	123	0	153	125	64	64	0.20	7.9
JAN											
07.	1400	1	2.3	63	0	78	64	32	24	0.20	6.5
MAR											
05.	1320	2	3.2	68	0	84	69	78	83	0.10	5.9

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
DEC											
11.	1230	313	322	5200	0.43	0.030	<0.010	0.300	0.200	0.040	0.010
JAN											
07.	1400	168	158	5720	0.23	0.030	<0.010	0.200	0.200	0.090	0.080
MAR											
05.	1320	357	329	8640	0.49	0.030	<0.010	0.160	0.140	0.040	0.030

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
DEC											
11.	1230	0.46	0.50	0.060	0.040	0.040	0.010	100	<1	240	<0.5
JAN											
07.	1400	0.51	0.60	0.080	0.040	0.050	0.020	150	<1	54	<0.5
MAR											
05.	1320	0.96	1.0	0.060	0.010	<0.010	<0.010	70	<1	110	<0.5

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC											
11.	1230	1.0	<1	<3	6	190	1	8	29	<0.1	<10
JAN											
07.	1400	2.0	<1	<3	5	130	1	4	14	<0.1	<10
MAR											
05.	1320	<1.0	<1	<3	3	80	<1	8	11	<0.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC										
11.	1230	3	<1	<1.0	350	<6	120	49	814	99
JAN										
07.	1400	1	2	<1.0	160	<6	22	446	15200	39
MAR										
05.	1320	<1	<1	<1.0	410	<6	11	141	3410	98

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY											
15.	0930	80513	80020	715	7.5	22.0	7.4	86	24400	120	280
JUL											
09.	1235	80513	80020	1230	8.2	30.5	6.8	92	9180	48	170
AUG											
29.	1030	80513	80020	1240	7.8	29.0	7.2	95	3640	17	13

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
MAY 15.	0930	320	170	76	47	13	63	44	2	3.0	94
JUL 09.	1235	350	290	150	77	23	130	49	3	4.6	139
AUG 29.	1030	200	300	130	82	24	140	50	3	5.2	174

DATE	TIME	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
MAY 15.	0930	0	116	95	96	100	0.20	6.3	391	387	25800
JUL 09.	1235	0	171	140	170	200	0.30	6.7	742	696	18400
AUG 29.	1030	0	214	175	170	200	0.30	9.0	682	737	6700

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY 15.	0930	0.53	0.230	0.090	0.020	0.220	0.250	0.080	0.040	0.72	0.80
JUL 09.	1235	1.01	--	0.020	<0.010	<0.050	<0.050	0.020	0.010	0.88	0.90
AUG 29.	1030	0.93	--	0.010	<0.010	<0.050	0.063	0.040	0.030	0.76	0.80

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
MAY 15.	0930	0.090	0.040	0.110	0.020	--	--	--	--	--
JUL 09.	1235	0.060	0.020	0.040	0.020	--	--	--	--	--
AUG 29.	1030	0.120	0.040	0.030	<0.010	40	2	170	<0.5	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
AUG 29.	1030	<1	<3	2	33	<1	15	48	<0.1	<10

07337000 RED RIVER AT INDEX, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY										
15.	0930	--	--	--	--	--	--	334	22000	87
JUL										
09.	1235	--	--	--	--	--	--	117	2900	92
AUG										
29.	1030	1	<1	<1.0	830	<6	12	65	639	67

07338720 MOUNTAIN FORK NEAR HATFIELD, ARKANSAS

LOCATION.--Lat 34°30'12", long 94°25'50", in NE¼NE¼ sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 1979 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
09...	1235	9827	9827	6.7	17.0	8.4	2.8	8
NOV								
06...	1455	9827	9827	7.2	13.0	9.9	1.5	16
DEC								
04...	1112	9827	9827	7.0	8.0	11.1	1.8	10
JAN								
15...	1305	9827	9827	6.8	7.0	11.0	--	10
FEB								
12...	1542	9827	9827	7.2	10.0	11.1	0.2	12
MAR								
19...	1248	9827	9827	7.3	15.0	10.3	0.8	12
APR								
09...	0945	9827	9827	7.1	19.0	8.9	2.0	12
30...	0935	9827	9827	7.0	17.0	8.6	0.3	14
JUN								
11...	0830	9827	9827	7.1	25.0	6.5	1.2	14
JUL								
02...	0848	9827	9827	7.0	29.0	7.1	1.1	12
AUG								
13...	0945	9827	9827	7.7	27.0	7.0	1.4	10

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
09...	1235	4.0	2.9	48	23	0.190	--	0.090
NOV								
06...	1455	5.0	3.5	48	10	0.040	--	--
DEC								
04...	1112	6.0	2.7	57	7	0.130	<0.050	0.050
JAN								
15...	1305	3.0	2.6	33	55	0.270	0.060	0.080
FEB								
12...	1542	5.0	2.4	22	4	0.110	<0.050	0.050
MAR								
19...	1248	3.0	3.2	40	7	0.080	0.070	0.060
APR								
09...	0945	5.0	2.6	30	6	<0.020	<0.050	0.040
30...	0935	3.0	2.5	39	6	<0.020	<0.050	0.050
JUN								
11...	0830	3.0	2.7	34	4	0.040	0.050	0.030
JUL								
02...	0848	3.0	2.6	32	4	<0.020	<0.050	0.070
AUG								
13...	0945	2.0	2.5	38	4	0.020	0.080	<0.030

07338720 MOUNTAIN FORK NEAR HATFIELD, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09...	1235	0.070	7.2	<0.5	<1	<25	<2	--
NOV								
06...	1455	0.070	4.8	<0.5	<1	<25	<2	<8
DEC								
04...	1112	<0.030	4.3	<0.5	<1	<25	<2	<8
JAN								
15...	1305	0.090	4.4	<0.5	<1	<25	<2	10
FEB								
12...	1542	<0.030	1.9	<0.5	--	<25	<2	--
MAR								
19...	1248	<0.030	3.3	<0.5	<1	<25	<2	<8
APR								
09...	0945	<0.030	2.9	<0.5	<1	<25	<2	--
30...	0935	<0.030	3.2	<0.5	<1	<25	<2	<8
JUN								
11...	0830	<0.030	3.4	<0.5	<1	<25	<2	<8
JUL								
02...	0848	<0.030	2.6	<0.5	<1	<25	<2	<8
AUG								
13...	0945	0.040	2.4	<0.5	<1	<25	<2	<8

07339795 BEAR CREEK NEAR HORATIO, ARKANSAS

LOCATION.--Lat 33°59'10", long 94°23'01", in NW¼SE¼ sec.14, T.9 N., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on county road, 5.5 mi south of DeQueen, and 4.3 mi northwest of State Highway 41.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
02.	1230	9827	9827	7.2	24.0	2.3	7.6	46	18
30.	1123	9827	9827	7.0	14.0	6.2	--	34	15
NOV									
27.	1010	9827	9827	7.1	17.0	6.2	--	28	8.0
JAN									
22.	1236	9827	9827	7.1	4.0	11.7	4.4	20	10
FEB									
05.	1236	9827	9827	7.2	10.0	9.7	7.1	38	11
MAR									
19.	1230	9827	9827	6.9	15.0	7.5	--	24	8.0
APR									
23.	1235	9827	9827	6.9	17.0	8.1	--	20	8.0
MAY									
21.	1139	9827	9827	6.6	24.0	4.9	--	28	8.0
JUN									
18.	1230	9827	9827	6.8	29.0	3.4	--	42	55
JUL									
02.	1445	9827	9827	6.8	32.0	3.0	--	54	32
AUG									
20.	1230	9827	9827	6.3	26.0	3.1	6.6	54	76
SEP									
17.	1125	9827	9827	6.8	26.0	3.4	7.7	42	41

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1230	53	247	40	2.10	--	4.3	6.20
30.	1123	30	154	25	1.80	<0.050	3.0	3.64
NOV								
27.	1010	5.3	75	13	0.130	0.330	1.0	0.180
JAN								
22.	1236	5.0	60	14	0.380	1.01	1.3	0.280
FEB								
05.	1236	6.5	70	8	0.470	1.34	--	0.360
MAR								
19.	1230	7.0	76	16	--	--	0.57	0.400
APR								
23.	1235	4.3	66	44	0.340	0.760	1.4	0.150
MAY								
21.	1139	6.5	78	20	1.70	0.810	0.86	0.224
JUN								
18.	1230	--	150	32	1.10	8.48	8.8	0.180
JUL								
02.	1445	14	125	8	2.20	0.930	1.4	0.200
AUG								
20.	1230	47	251	3	3.60	3.55	5.8	0.230
SEP								
17.	1125	39	172	22	0.260	<0.050	1.9	0.160

07339795 BEAR CREEK NEAR HORATIO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1230	--	25	--	<1	<25	<2	--
30.	1123	2.33	20	<0.5	<1	--	<2	--
NOV								
27.	1010	0.030	7.9	<0.5	<1	<25	<2	<8
JAN								
22.	1236	0.170	6.7	--	<1	<25	<2	<8
FEB								
05.	1236	0.180	7.8	<0.5	<1	<25	<2	11
MAR								
19.	1230	0.230	13	<0.5	<1	<25	<2	26
APR								
23.	1235	<0.030	9.5	<0.5	<1	<25	<2	--
MAY								
21.	1139	<0.030	8.0	<0.5	<1	<25	<2	<8
JUN								
18.	1230	<0.030	12	<0.5	<1	<25	<2	--
JUL								
02.	1445	0.050	9.2	<0.5	--	<25	<2	--
AUG								
20.	1230	0.060	12	0.6	--	<25	<2	--
SEP								
17.	1125	<0.030	13	<0.5	<1	<25	<2	<8

07340000 LITTLE RIVER NEAR HORATIO, ARKANSAS

LOCATION.--Lat 33°55'10", long 94°23'15", in NE¼ sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1934, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--61 years, 3,858 ft^3/s, 2,795,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s Mar. 30, 1945, gage height, 37.70 ft, from rating curve extended above 93,000 ft^3/s; minimum, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,200 ft^3/s Apr. 14, gage height, 26.04 ft; minimum daily, 314 ft^3/s Nov. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	898	526	2090	9050	2440	3290	6290	13300	8950	412	2760	1380
2	715	881	2000	8970	2610	6210	6250	11500	2830	616	1410	1140
3	695	540	4680	8440	1370	5870	6440	14800	1560	955	1110	1000
4	659	373	5420	8710	1100	4040	5540	18600	2830	1040	1000	1000
5	722	314	4620	7910	2500	3860	3530	18800	3130	524	714	864
6	1310	404	5060	9400	5840	5110	3050	17300	2680	682	715	796
7	700	722	4790	13100	6910	6480	1310	15200	2690	440	1500	1070
8	4020	672	3840	14000	8330	6660	963	12600	1490	321	2120	1150
9	11900	1750	2200	14500	9400	4040	3020	12800	780	907	2190	1040
10	11300	2570	1340	16000	7810	1520	4930	15200	615	488	948	1930
11	9880	2040	1990	18200	6330	1040	5160	16400	700	470	647	2640
12	12200	1460	1980	16800	3200	1090	9460	17800	654	356	474	2640
13	14000	1140	1650	14700	1990	884	17500	18100	762	462	505	2300
14	13300	1190	923	12900	1770	1210	23700	18200	576	515	647	2720
15	13600	3620	1770	14700	1750	1100	23400	18300	657	375	589	1510
16	12800	3230	1040	16800	1380	2420	20400	18400	581	354	577	894
17	10800	2480	1200	16000	1110	2640	18100	18300	461	882	901	1170
18	8410	1940	3480	14400	1300	1450	18100	18100	465	1920	706	992
19	6110	961	4310	12800	3310	1480	16800	18000	445	931	423	1030
20	2920	1260	4470	12100	3090	872	15300	18400	413	1040	701	1100
21	847	1310	8160	10800	1750	930	14100	18600	411	624	697	1660
22	529	1490	13800	11000	3370	866	13900	16700	423	372	768	1740
23	1030	1250	10700	7250	6560	3100	16800	13900	573	1240	1670	1490
24	1220	2110	6270	5710	3320	10900	17100	11800	615	706	1680	1520
25	1070	1070	6110	4600	1900	11100	16700	9200	711	561	739	1470
26	1050	990	6390	4010	2180	7100	17200	10300	583	500	386	1460
27	1440	1980	7430	3120	2340	7700	21300	11000	703	604	1310	1400
28	534	1730	8290	3340	2040	8300	23500	9210	787	633	1400	1460
29	374	1430	7860	2850	---	8300	22600	12200	971	447	1770	1540
30	441	1930	9410	2880	---	7820	18200	14400	635	1090	2800	1360
31	385	---	11400	2620	---	6890	---	12500	---	1680	2320	---
TOTAL	145859	43363	154673	317660	97000	134272	390643	469910	39681	22147	36177	43466
MEAN	4705	1445	4989	10250	3464	4331	13020	15160	1323	714	1167	1449
MAX	14000	3620	13800	18200	9400	11100	23700	18800	8950	1920	2800	2720
MIN	374	314	923	2620	1100	866	963	9200	411	321	386	796
AC-FT	289300	86010	306800	630100	192400	266300	774800	932100	78710	43930	71760	86210

CAL YR 1990 TOTAL 2569880 MEAN 7041 MAX 31900 MIN 288 AC-FT 5097000
WTR YR 1991 TOTAL 1894851 MEAN 5191 MAX 23700 MIN 314 AC-FT 3758000

07340000 LITTLE RIVER NEAR HORATIO, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1969-78, October 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1953 to September 1959.
WATER TEMPERATURES: October 1953 to September 1959.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1247	9827	9827	708	7.2	25.0	7.4	2.5	20
30.	1220	9827	9827	399	7.3	16.0	9.2	3.5	26
NOV									
27.	1035	9827	9827	2000	7.4	18.0	8.8	2.9	16
JAN									
22.	1323	9827	9827	1200	7.2	6.0	11.5	1.5	14
FEB									
05.	1320	9827	9827	2600	7.2	11.0	10.5	2.3	24
MAR									
19.	1326	9827	9827	1340	7.3	15.0	10.9	1.8	20
APR									
23.	1325	9827	9827	7000	7.0	17.0	8.8	3.5	16
MAY									
21.	1230	9827	9827	8600	6.8	23.0	7.8	2.8	12
JUN									
18.	1335	9827	9827	464	7.0	30.0	6.9	3.0	22
JUL									
02.	1518	9827	9827	847	7.2	32.0	7.6	5.3	22
AUG									
20.	1320	9827	9827	958	7.1	28.0	7.7	2.8	14
SEP									
17.	1210	9827	9827	1470	7.2	28.0	7.8	2.0	12

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1247	--	5.8	42	7	0.070	--	0.060
30.	1220	2.0	11	57	4	0.120	<0.050	0.070
NOV								
27.	1035	4.0	2.2	42	4	0.370	<0.050	0.050
JAN								
22.	1323	7.0	3.0	42	7	0.170	<0.050	0.070
FEB								
05.	1320	5.0	3.3	52	8	0.220	0.070	0.060
MAR								
19.	1326	4.0	7.0	51	6	--	--	0.090
APR								
23.	1325	4.0	2.9	42	28	0.250	<0.050	0.090
MAY								
21.	1230	5.0	3.5	48	12	0.100	0.370	0.090
JUN								
18.	1335	5.0	--	67	3	0.280	0.090	0.080
JUL								
02.	1518	5.0	18	82	6	0.160	0.060	0.100
AUG								
20.	1320	4.0	9.0	55	5	0.080	<0.050	0.050
SEP								
17.	1210	1.0	2.0	24	7	0.030	<0.050	0.030

07340000 LITTLE RIVER NEAR HORATIO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1247	0.110	4.8	--	<1	<25	<2	--
30.	1220	<0.030	4.5	<0.5	<1	<25	<2	--
NOV								
27.	1035	<0.030	5.1	<0.5	<1	<25	<2	<8
JAN								
22.	1323	<0.030	3.8	--	<1	<25	<2	<8
FEB								
05.	1320	<0.030	4.1	<0.5	<1	<25	<2	9
MAR								
19.	1326	<0.030	4.2	<0.5	<1	<25	<2	<8
APR								
23.	1325	0.070	6.1	<0.5	<1	<25	<2	--
MAY								
21.	1230	<0.030	5.9	<0.5	<1	<25	<2	<8
JUN								
18.	1335	0.030	4.5	<0.5	<1	<25	<2	--
JUL								
02.	1518	<0.030	5.5	<0.5	--	<25	<2	--
AUG								
20.	1320	<0.030	3.8	<0.5	<1	<25	<2	--
SEP								
17.	1210	0.030	4.0	<0.5	<1	<25	<2	<8

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARKANSAS
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE¼NE¼ 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.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--24 years, 197 ft³/s, 29.86 in/yr, 142,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 ft³/s on basis of step-backwater computations, minimum, 7.2 ft³/s Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Oct. 7	1900	7,940	11.22	Apr. 12	0600	11,000	12.71
Dec. 21	0500	8,130	11.32	Apr. 13	1600	*14,500	14.14

Minimum discharge, 12 ft³/s July 22-25, Aug. 26-29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	20	140	353	59	1010	158	326	71	19	40	23
2	20	19	137	249	54	746	132	210	61	18	31	27
3	22	19	666	186	52	393	127	272	53	24	26	27
4	101	28	361	148	53	255	120	281	46	42	22	25
5	70	79	233	133	69	195	106	361	41	27	21	66
6	47	53	174	653	231	160	101	282	39	23	24	54
7	2420	42	135	904	217	125	115	202	35	22	22	33
8	2240	38	109	492	173	104	149	151	33	20	22	26
9	1620	182	91	317	145	90	136	e124	30	19	20	22
10	682	176	77	1180	126	77	117	e113	29	18	18	19
11	317	119	69	936	108	70	106	e99	35	16	17	17
12	187	91	65	567	95	71	3200	e79	39	16	16	22
13	129	72	60	358	92	66	5560	e70	32	15	18	18
14	97	60	53	256	82	60	2080	e62	29	15	28	16
15	76	51	51	770	67	54	772	87	27	16	20	14
16	61	45	69	752	59	50	437	98	50	14	16	30
17	50	40	268	433	62	81	286	88	45	14	18	59
18	45	36	1220	309	65	91	881	77	32	14	18	33
19	35	35	672	279	60	81	546	93	28	14	16	35
20	32	33	366	279	53	75	327	123	25	14	13	31
21	35	31	3260	226	49	72	229	164	23	14	13	25
22	39	58	1380	189	320	433	195	153	24	13	17	22
23	32	64	592	164	510	366	154	207	86	12	16	20
24	29	58	331	138	299	214	125	184	45	12	14	20
25	26	54	229	118	209	159	135	1090	36	15	13	19
26	24	52	179	104	159	132	127	462	30	26	12	17
27	23	284	199	96	132	128	1510	248	26	144	12	16
28	22	593	309	91	116	111	1200	163	24	598	12	15
29	21	282	814	83	---	203	1670	123	22	174	12	15
30	21	184	897	74	---	262	597	100	21	86	50	14
31	20	---	543	65	---	201	---	84	---	55	26	---
TOTAL	8565	2898	13749	10902	3716	6135	21398	6176	1117	1529	623	780
MEAN	276	96.6	444	352	133	198	713	199	37.2	49.3	20.1	26.0
MAX	2420	593	3260	1180	510	1010	5560	1090	86	598	50	66
MIN	20	19	51	65	49	50	101	62	21	12	12	14
AC-FT	16990	5750	27270	21620	7370	12170	42440	12250	2220	3030	1240	1550
CFSM	3.08	1.08	4.95	3.92	1.48	2.21	7.96	2.22	.42	.55	.22	.29
IN.	3.56	1.20	5.71	4.53	1.54	2.55	8.88	2.56	.46	.63	.26	.32

CAL YR 1990 TOTAL 100206 MEAN 275 MAX 9330 MIN 10 AC-FT 198800 CFSM 3.06 IN. 41.60
WTR YR 1991 TOTAL 77588 MEAN 213 MAX 5560 MIN 12 AC-FT 153900 CFSM 2.37 IN. 32.21

e Estimated

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-68, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC											
11...	1005	80513	80020	--	--	--	37	7.5	3.0	12.4	94
JAN											
07...	1130	80513	80020	--	--	--	24	6.7	7.0	11.0	92
MAR											
05...	1020	80513	80020	--	--	--	25	7.2	7.0	11.7	100
APR											
02...	1400	80513	80513	101	0.50	1.00	33	7.0	16.5	10.1	107
02...	1402	80513	80513	113	0.50	1.00	34	6.8	16.5	9.8	104
02...	1404	80513	80513	125	0.50	1.00	35	6.8	16.5	9.8	103
02...	1406	80513	80513	137	1.00	2.00	33	6.8	16.5	9.7	102
02...	1408	80513	80513	149	0.50	1.00	35	6.8	16.5	9.7	102
02...	1410	80513	80513	161	0.25	0.50	35	6.8	16.5	9.7	102
02...	1412	80513	80513	173	0.25	0.50	35	6.8	16.5	9.7	101
02...	1414	80513	80513	185	0.30	0.60	35	6.8	16.5	9.7	102
02...	1416	80513	80513	197	0.25	0.50	35	6.8	16.5	9.7	102
02...	1418	80513	80513	209	0.25	0.50	36	6.8	16.5	9.8	103

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
DEC											
11...	1005	65	1.8	K2	21	13	1	3.4	1.1	2.0	24
JAN											
07...	1130	907	5.0	11	32	6	1	1.4	0.69	1.7	35
MAR											
05...	1020	190	2.4	14	40	8	0	2.0	0.84	1.6	27

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
DEC											
11...	1005	0.2	0.50	12	0	15	12	3.5	1.9	0.10	8.6
JAN											
07...	1130	0.3	0.50	6	0	7	6	4.6	1.8	<0.10	8.2
MAR											
05...	1020	0.2	0.60	--	0	--	17	2.9	1.1	<0.10	8.2

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
11...	1005	24	29	4.21	0.03	<0.010	<0.010	<0.100	<0.100	0.020
JAN										
07...	1130	25	23	61.2	0.03	<0.010	<0.010	<0.100	<0.100	0.020
MAR										
05...	1020	24	22	12.3	0.03	<0.010	<0.010	<0.050	<0.050	0.020

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
DEC										
11...	1005	0.010	<0.20	<0.010	<0.010	<0.010	<0.010	30	<1	38
JAN										
07...	1130	0.010	<0.20	0.020	0.030	<0.010	0.020	110	<1	6
MAR										
05...	1020	<0.010	<0.20	<0.010	<0.010	<0.010	<0.010	40	<1	7

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
DEC										
11...	1005	<0.5	1.0	<1	<3	1	46	1	<4	2
JAN										
07...	1130	0.7	<1.0	<1	<3	2	68	1	<4	3
MAR										
05...	1020	<0.5	<1.0	<1	<3	1	41	<1	<4	1

DATE	TIME	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
DEC										
11...	1005	<0.1	<10	1	<1	<1.0	13	<6	32	--
JAN										
07...	1130	<0.1	<10	1	<1	<1.0	8	<6	11	--
MAR										
05...	1020	<0.1	<10	<1	<1	<1.0	9	<6	20	<0.6

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC										
11...	1005	--	--	--	--	--	--	0	0.0	100
JAN										
07...	1130	--	--	--	--	--	--	4	9.8	100
MAR										
05...	1020	<0.6	<0.6	<0.6	<0.6	<0.6	0.02	1	0.51	100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
MAY											
14...	1530	80513	80020	37	7.8	24.0	7.9	97	69	1.9	7
JUL											
09...	1025	80513	80020	63	7.3	28.5	7.4	98	13	1.0	K18
AUG											
28...	1200	80513	80020	60	7.0	26.5	8.4	107	10	0.50	13

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
MAY											
14...	1530	6	12	0	2.9	1.1	1.5	20	0.2	0.70	11
JUL											
09...	1025	53	24	1	6.8	1.8	2.0	15	0.2	0.80	23
AUG											
28...	1200	14	27	2	7.8	1.8	2.2	15	0.2	0.80	24

DATE	TIME	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
MAY										
14...	1530	0	15	13	3.4	1.2	<0.10	8.3	5	27
JUL										
09...	1025	0	28	23	2.6	2.7	<0.10	7.0	60	37
AUG										
28...	1200	0	30	25	4.0	2.3	<0.10	6.1	36	40

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY										
14...	1530	0.93	0.01	<0.010	0.010	<0.050	<0.050	<0.010	0.020	0.20
JUL										
09...	1025	2.11	0.08	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.20
AUG										
28...	1200	0.97	0.05	<0.010	<0.010	<0.050	0.073	0.010	0.030	<0.20

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
MAY										
14...	1530	<0.010	<0.010	<0.010	<0.010	--	--	--	--	--
JUL										
09...	1025	<0.010	0.010	<0.010	<0.010	--	--	--	--	--
AUG										
28...	1200	<0.010	<0.010	<0.010	<0.010	<10	<1	13	<0.5	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
AUG										
28...	1200	<1	<3	1	24	<1	<4	9	<0.1	<10

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY										
14...	1530	--	--	--	--	--	--	3	0.56	60
JUL										
09...	1025	--	--	--	--	--	--	2	0.07	43
AUG										
28...	1200	<1	<1	<1.0	25	<6	9	1	0.03	100

07340400 COSSATOT RIVER NEAR UMPIRE, ARKANSAS

LOCATION.--Lat 34°18'00", long 94°11'00", in SE¼SW¼ sec.23, T.5 S., R.30 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 4, 8.5 mi west of Umpire, and 2.5 mi south of Baker Springs.

DRAINAGE AREA.--142 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1125	9827	9827	7.2	23.0	7.6	2.5	16
JAN								
22...	1210	9827	9827	7.1	3.0	13.0	0.9	10
MAR								
19...	1130	9827	9827	6.9	13.0	10.7	2.2	14
JUL								
02...	1249	9827	9827	7.5	32.0	8.3	2.8	22
AUG								
20...	1055	9827	9827	7.7	24.0	8.2	2.8	24
SEP								
17...	1015	9827	9827	7.7	25.0	8.2	3.0	20

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1125	<1.0	3.5	37	4	0.110	--	0.040
JAN								
22...	1210	5.0	2.1	33	<1	<0.020	0.050	0.060
MAR								
19...	1130	5.0	3.4	39	4	--	--	0.080
JUL								
02...	1249	3.0	2.8	38	<1	0.070	<0.050	0.150
AUG								
20...	1055	3.0	3.0	43	<1	<0.020	<0.050	0.030
SEP								
17...	1015	3.0	2.3	34	2	<0.020	0.100	0.030

DATE	TIME	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT								
02...	1125	<0.030	4.2	--	<1	<25	<2	--
JAN								
22...	1210	<0.030	1.7	--	<1	<25	<2	<8
MAR								
19...	1130	<0.030	4.0	<0.5	<1	<25	<2	16
JUL								
02...	1249	0.050	2.8	<0.5	--	<25	<2	--
AUG								
20...	1055	<0.030	2.4	<0.5	--	<25	<2	--
SEP								
17...	1015	<0.030	3.5	<0.5	<1	<25	2	11

07340945 SALINE RIVER NEAR BURG, ARKANSAS

LOCATION.--Lat 34°12'39", long 94°03'02", in NW¼SE¼ sec.25, T.6 S., R.29 W., Howard County, Hydrologic Unit 11140109, 2.0 mi southeast of Burg, 8.0 mi north of Dierks, and 4.0 mi upstream from entry to Dierks Lake.

DRAINAGE AREA.--57.4 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1120	9827	9827	7.2	24.0	7.3	4.5	4
30...	1045	9827	9827	7.2	18.0	9.1	2.7	14
NOV								
27...	0954	9827	9827	7.3	18.0	8.7	1.5	16
JAN								
22...	1110	9827	9827	7.0	3.0	12.5	3.6	14
FEB								
05...	1120	9827	9827	6.7	9.0	10.8	3.1	14
MAR								
19...	1050	9827	9827	6.9	14.0	10.5	1.9	12
APR								
23...	1100	9827	9827	7.0	17.0	--	3.8	14
MAY								
21...	1005	9827	9827	6.6	23.0	7.6	3.7	14
JUN								
18...	1100	9827	9827	6.9	28.0	6.9	1.9	12
JUL								
02...	1225	9827	9827	7.1	30.0	8.8	4.4	10
AUG								
20...	1030	9827	9827	7.1	25.0	7.5	3.9	12
SEP								
17...	0945	9827	9827	7.2	25.0	8.0	2.9	10

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1120	<1.0	4.0	37	3	0.150	--	0.030
30...	1045	3.0	5.2	42	2	0.390	0.220	0.030
NOV								
27...	0954	8.0	2.7	42	4	0.420	<0.050	<0.030
JAN								
22...	1110	4.0	2.8	46	3	0.960	<0.050	0.060
FEB								
05...	1120	7.0	3.1	44	15	0.640	0.080	0.090
MAR								
19...	1050	4.0	3.6	39	4	--	--	0.080
APR								
23...	1100	3.0	2.8	40	8	0.470	0.090	0.040
MAY								
21...	1005	3.0	3.8	43	4	0.510	0.120	0.050
JUN								
18...	1100	3.0	--	39	3	0.190	0.140	0.050
JUL								
02...	1225	2.0	3.0	29	1	<0.020	0.090	0.170
AUG								
20...	1030	2.0	3.4	37	2	<0.020	0.070	0.040
SEP								
17...	0945	<1.0	2.4	23	2	0.020	<0.050	0.030

07340945 SALINE RIVER NEAR BURG, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	1120	<0.030	6.7	--	<1	<25	<2	--
30...	1045	<0.030	6.3	<0.5	<1	<25	<2	--
NOV								
27...	0954	<0.030	5.2	<0.5	<1	<25	<2	<8
JAN								
22...	1110	<0.030	3.5	--	<1	<25	<2	<8
FEB								
05...	1120	<0.030	5.0	<0.5	<1	<25	<2	25
MAR								
19...	1050	<0.030	4.0	0.5	<1	<25	<2	28
APR								
23...	1100	<0.030	5.8	<0.5	<1	<25	<2	--
MAY								
21...	1005	<0.030	5.4	<0.5	<1	<25	<2	<8
JUN								
18...	1100	<0.030	5.1	<0.5	<1	<25	<2	--
JUL								
02...	1225	0.030	3.4	<0.5	--	<25	<2	--
AUG								
20...	1030	<0.030	2.5	<0.5	--	<25	<2	--
SEP								
17...	0945	<0.030	3.2	<0.5	<1	<25	<2	<8

07341070 HOLLY CREEK EAST OF DIERKS, ARKANSAS

LOCATION.--Lat 34°07'27", long 94°00'19", in SE¼NE¼ sec.29, T.7S., R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on gravel road 0.1 mi north of State Highway 4, 1.0 mi east of Dierks.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
02.	1050	9827	9827	7.2	24.0	3.5	6.4	36	7.0
30.	1000	9827	9827	7.1	14.0	7.0	4.8	32	5.0
NOV									
27.	0930	9827	9827	7.0	18.0	6.1	--	26	7.0
JAN									
22.	1030	9827	9827	6.9	3.0	12.2	2.8	16	8.0
FEB									
05.	1040	9827	9827	7.0	10.0	10.3	5.1	24	8.0
MAR									
19.	1015	9827	9827	7.1	14.0	10.1	2.0	26	7.0
APR									
23.	1020	9827	9827	7.0	16.0	8.9	6.2	20	6.0
MAY									
21.	0920	9827	9827	6.8	23.0	7.6	3.6	14	4.0
JUN									
18.	1020	9827	9827	7.0	29.0	6.4	--	44	7.0
JUL									
02.	1145	9827	9827	6.8	31.0	4.5	3.8	26	5.0
AUG									
20.	0955	9827	9827	6.8	25.0	1.1	4.1	30	7.0
SEP									
17.	0905	9827	9827	9.6	25.0	5.2	--	36	4.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1050	7.8	111	8	0.140	--	1.3	0.430
30.	1000	7.3	85	8	0.880	0.630	0.90	0.260
NOV								
27.	0930	5.7	73	12	0.130	0.290	1.2	0.190
JAN								
22.	1030	3.1	54	4	0.390	0.050	0.43	0.080
FEB								
05.	1040	4.0	53	17	0.210	<0.050	0.70	0.130
MAR								
19.	1015	4.4	64	10	--	--	0.35	0.130
APR								
23.	1020	3.9	67	16	0.190	0.080	1.7	0.060
MAY								
21.	0920	3.7	48	9	0.190	0.130	0.72	0.060
JUN								
18.	1020	--	103	17	0.050	0.150	1.7	0.170
JUL								
02.	1145	3.2	48	2	<0.020	0.080	1.0	0.120
AUG								
20.	0955	4.0	71	4	<0.020	0.270	1.6	0.170
SEP								
17.	0905	10	250	11	0.020	0.250	1.9	0.100

07341070 HOLLY CREEK EAST OF DIERKS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1050	0.250	14	--	<1	<25	<2	--
30.	1000	0.090	10	<0.5	<1	--	<2	--
NOV								
27.	0930	<0.030	9.0	<0.5	<1	<25	<2	<8
JAN								
22.	1030	<0.030	4.2	--	<1	<25	<2	9
FEB								
05.	1040	<0.030	6.6	<0.5	<1	<25	<2	<8
MAR								
19.	1015	0.030	7.6	<0.5	<1	<25	<2	18
APR								
23.	1020	0.050	12	<0.5	<1	<25	<2	--
MAY								
21.	0920	<0.030	5.6	<0.5	<1	<25	<2	<8
JUN								
18.	1020	0.030	14	<0.5	<1	<25	<2	--
JUL								
02.	1145	<0.030	6.2	<0.5	--	<25	<2	--
AUG								
20.	0955	0.030	8.3	<0.5	--	<25	<2	--
SEP								
17.	0905	0.040	12	--	<1	<25	--	<8

07341080 HOLLY CREEK AT DIERKS, ARKANSAS

LOCATION.--Lat 34°06'31", long 94°01'10", in NE¼SE¼ sec.31, T.7S, R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on county road, 0.5 mi south of State Highway 70, and 0.3 mi south of Dierks.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
02.	1100	9827	9827	--	24.0	3.8	7.3	38	7.0
30.	1015	9827	9827	7.1	14.0	9.0	7.3	30	5.0
NOV									
27.	0940	9827	9827	7.1	18.0	6.4	--	28	8.0
JAN									
22.	1040	9827	9827	6.9	3.0	12.0	2.6	16	7.0
FEB									
05.	1130	9827	9827	7.0	10.0	10.3	4.2	26	8.0
MAR									
19.	1025	9827	9827	7.0	14.0	10.2	4.2	26	7.0
APR									
23.	1030	9827	9827	6.9	16.0	9.0	7.2	22	7.0
MAY									
21.	0931	9827	9827	6.8	24.0	6.9	6.0	26	5.0
JUN									
18.	1030	9827	9827	7.1	28.0	6.9	--	48	6.0
JUL									
02.	1205	9827	9827	7.2	32.0	5.5	--	58	8.0
AUG									
20.	1010	9827	9827	7.2	25.0	5.1	--	44	8.0
SEP									
17.	0925	9827	9827	7.5	26.0	7.9	--	54	8.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1100	7.6	105	8	0.140	--	1.4	0.430
30.	1015	7.0	78	8	0.860	0.630	0.86	0.240
NOV								
27.	0940	5.7	75	12	0.130	0.300	1.0	0.190
JAN								
22.	1040	3.1	58	4	0.390	0.070	0.52	0.080
FEB								
05.	1130	4.0	68	16	0.210	<0.050	0.70	0.120
MAR								
19.	1025	4.4	68	14	--	--	0.44	0.120
APR								
23.	1030	4.1	71	16	0.190	0.050	1.8	0.060
MAY								
21.	0931	4.4	67	26	0.210	0.180	0.80	0.110
JUN								
18.	1030	--	104	23	0.030	0.200	1.6	0.200
JUL								
02.	1205	14	121	11	0.020	0.180	1.6	0.310
AUG								
20.	1010	10	136	12	0.060	1.58	3.3	0.530
SEP								
17.	0925	30	171	10	0.080	1.21	3.0	0.580

07341080 HOLLY CREEK AT DIERKS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1100	0.230	14	--	<1	<25	<2	--
30.	1015	0.080	10	<0.5	<1	<25	<2	--
NOV								
27.	0940	<0.030	9.0	<0.5	<1	<25	<2	<8
JAN								
22.	1040	<0.030	4.6	--	<1	<25	<2	9
FEB								
05.	1130	<0.030	6.8	<0.5	<1	<25	<2	<8
MAR								
19.	1025	<0.030	8.5	<0.5	<1	<25	<2	34
APR								
23.	1030	0.030	12	<0.5	<1	<25	<2	--
MAY								
21.	0931	<0.030	13	<0.5	<1	<25	<2	<8
JUN								
18.	1030	0.040	14	<0.5	<1	<25	<2	--
JUL								
02.	1205	0.080	15	<0.5	--	<25	<2	--
AUG								
20.	1010	0.190	20	<0.5	--	<25	<2	--
SEP								
17.	0925	0.170	19	<0.5	3	<25	<2	10

07341200 SALINE RIVER NEAR LOCKESBURG, ARKANSAS

LOCATION.--Lat 33°57'43", long 94°03'40", in NW¼SE¼ sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, on right bank 50 ft upstream of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi^2.

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

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

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

AVERAGE DISCHARGE.--28 years, 413 ft^3/s, 299,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s May 14, 1968, gage height, 20.86 ft, from rating curve extended above 23,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^3/s Nov. 6, 1963, Oct. 29, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,740 ft^3/s Apr. 14, gage height, 15.63 ft; minimum daily, 11 ft^3/s Oct. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	470	387	866	1050	2040	86	742	610	30	27	23
2	20	535	409	873	1050	1860	74	816	575	29	25	26
3	20	536	1720	1050	1040	439	68	1680	549	28	24	27
4	16	542	478	1060	1030	289	101	2930	139	67	24	29
5	12	549	720	1080	762	908	257	1700	61	63	23	23
6	11	538	884	1570	845	1080	255	710	46	38	22	22
7	110	532	985	1690	791	1110	203	835	41	32	22	20
8	3910	513	957	584	954	1060	69	943	39	31	22	20
9	4370	330	932	902	1020	549	63	1040	37	29	22	19
10	2420	227	885	2140	1010	497	54	1010	36	28	19	18
11	331	191	448	2540	949	464	46	641	38	27	22	18
12	569	168	320	954	596	216	685	593	42	26	22	19
13	630	157	141	1000	280	120	2110	545	38	25	22	18
14	601	200	100	940	188	86	5250	342	35	25	24	18
15	587	320	97	1810	137	69	1650	553	33	27	23	17
16	878	186	105	2450	128	67	772	1500	32	25	23	18
17	922	80	228	1130	135	191	980	360	101	41	22	19
18	1030	48	2540	1160	518	282	1290	306	61	26	22	19
19	1030	47	1790	1450	2920	136	508	446	41	22	22	22
20	1020	46	540	1470	625	105	822	336	34	23	22	27
21	1020	46	1920	1220	500	95	788	144	32	23	22	21
22	1010	53	2860	1140	1290	93	947	316	29	23	21	20
23	1000	64	764	1200	2860	121	1130	459	36	22	21	20
24	986	67	250	1200	619	93	902	372	36	22	21	20
25	959	64	786	1170	361	75	692	1980	37	24	23	23
26	663	59	825	1150	811	70	457	1360	36	55	20	22
27	545	129	1720	1130	975	73	1860	506	33	45	21	20
28	538	530	1140	1120	948	95	2500	419	32	103	21	20
29	533	475	1110	1110	---	131	4190	705	31	63	20	20
30	516	547	1060	1090	---	206	1550	869	30	43	20	19
31	504	---	563	1070	---	112	---	850	---	32	21	---
TOTAL	26781	8249	27664	39319	24392	12732	30359	26008	2920	1097	685	627
MEAN	864	275	892	1268	871	411	1012	839	97.3	35.4	22.1	20.9
MAX	4370	549	2860	2540	2920	2040	5250	2930	610	103	27	29
MIN	11	46	97	584	128	67	46	144	29	22	19	17
AC-FT	53120	16360	54870	77990	48380	25250	60220	51590	5790	2180	1360	1240

CAL YR 1990 TOTAL 244565 MEAN 670 MAX 19600 MIN 11 AC-FT 485100
WTR YR 1991 TOTAL 200833 MEAN 550 MAX 5250 MIN 11 AC-FT 398400

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARKANSAS

LOCATION.--Lat 33°14'32", long 93°59'58", in SE¼SE¼ sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi south of Texarkana.

DRAINAGE AREA.--3,540 mi².

PERIOD OF RECORD.--October 1968 to current year.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1981.
WATER TEMPERATURES: July 1979 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1430	9827	9827	530	7.8	25.0	7.0	6.3	72
30.	1355	9827	9827	1030	7.8	17.0	7.3	4.5	90
NOV									
27.	1155	9827	9827	2750	7.8	18.0	7.7	4.6	82
JAN									
22.	1715	9827	9827	0800	7.2	6.0	9.5	1.3	54
FEB									
19.	1500	9827	9827	3680	7.6	12.0	9.6	1.9	64
MAR									
26.	1530	9827	9827	750	7.4	20.0	6.0	3.2	70
APR									
16.	1500	9827	9827	2870	6.8	21.0	5.4	2.1	30
MAY									
21.	1500	9827	9827	1400	7.3	25.0	5.3	1.4	58
JUN									
18.	1500	9827	9827	1260	7.8	29.0	6.3	3.4	80
JUL									
16.	1400	9827	9827	923	7.8	28.0	5.9	2.0	74
AUG									
20.	1445	9827	9827	120	8.1	28.0	9.8	3.8	72
SEP									
17.	1445	9827	9827	881	7.9	28.0	6.8	5.0	68

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1430	30	8.3	122	54	0.110	--	0.130
30.	1355	37	51	263	28	0.310	0.310	0.180
NOV								
27.	1155	45	43	235	36	0.130	0.240	0.140
JAN								
22.	1715	24	13	145	23	0.340	0.050	--
FEB								
19.	1500	27	11	145	42	0.320	0.070	0.110
MAR								
26.	1530	36	28	209	39	0.150	0.340	0.150
APR								
16.	1500	13	6.9	94	--	0.110	0.220	--
MAY								
21.	1500	13	8.5	135	12	0.200	<0.050	0.140
JUN								
18.	1500	29	27	207	43	0.080	0.230	0.160
JUL								
16.	1400	12	8.7	134	38	0.070	0.140	0.210
AUG								
20.	1445	11	11	148	28	0.040	<0.050	0.170
SEP								
17.	1445	9.0	8.8	123	43	0.060	0.070	0.170

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1430	0.050	11	--	<1	<25	<2	--
30.	1355	0.080	18	--	<1	<25	<2	--
NOV								
27.	1155	0.040	18	<0.5	<1	<25	<2	<8
JAN								
22.	1715	0.070	11	0.7	<1	<25	<2	--
FEB								
19.	1500	0.040	10	<0.5	<1	<25	<2	--
MAR								
26.	1530	0.080	18	<0.5	<1	<25	<2	18
APR								
16.	1500	0.070	11	<0.5	<1	<25	<2	<8
MAY								
21.	1500	0.060	12	<0.5	<1	<25	<2	--
JUN								
18.	1500	0.080	18	<0.5	<1	<25	<2	--
JUL								
16.	1400	0.070	11	<0.5	<1	<25	<2	<8
AUG								
20.	1445	0.060	10	<0.5	<1	<25	<2	<8
SEP								
17.	1445	0.080	9.6	<0.5	<1	--	<2	<8

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARKANSAS

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi southeast of Texarkana.

DRAINAGE AREA.--78.5 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1415	9827	9827	7.5	8.3	25.0	11.1	4.6	68
30.	1340	9827	9827	7.5	7.6	16.0	10.9	2.1	74
NOV									
27.	1140	9827	9827	14	7.2	18.0	7.1	4.0	64
JAN									
22.	1730	9827	9827	64	7.0	6.0	10.5	1.7	48
FEB									
19.	1530	9827	9827	595	6.8	12.0	8.0	3.9	22
MAR									
26.	1600	9827	9827	27	7.1	21.0	8.8	2.1	60
APR									
16.	1520	9827	9827	89	6.8	22.0	6.8	1.5	42
MAY									
21.	1530	9827	9827	78	6.9	25.0	5.6	1.5	44
JUN									
18.	1530	9827	9827	40	7.3	29.0	8.7	1.7	58
JUL									
16.	1415	9827	9827	14	7.7	28.0	9.1	1.6	70
AUG									
20.	1515	9827	9827	14	8.5	28.0	12.7	1.1	78
SEP									
17.	1515	9827	9827	20	7.7	28.0	9.5	1.8	68

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
02.	1415	52	65	311	5	11.0	--	1.7	2.00
30.	1340	42	53	285	2	12.0	<0.050	1.3	0.960
NOV									
27.	1140	34	39	205	5	6.50	0.110	--	0.730
JAN									
22.	1730	24	23	152	12	2.70	0.300	0.90	--
FEB									
19.	1530	13	9.2	98	68	0.500	0.140	1.3	0.200
MAR									
26.	1600	34	40	220	5	5.60	0.110	0.27	0.700
APR									
16.	1520	26	14	147	--	1.80	0.290	1.1	--
MAY									
21.	1530	17	18	141	14	3.10	0.090	0.94	0.310
JUN									
18.	1530	30	38	202	5	5.80	0.050	0.94	0.750
JUL									
16.	1415	52	63	303	2	8.10	0.110	--	1.30
AUG									
20.	1515	49	66	296	2	6.30	<0.050	1.2	1.13
SEP									
17.	1515	38	54	248	5	6.80	<0.050	--	1.10

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1415	1.88	8.5	--	<1	<25	<2	--
30.	1340	0.840	7.5	<0.5	<1	<25	<2	--
NOV								
27.	1140	0.580	9.5	<0.5	<1	<25	<2	<8
JAN								
22.	1730	0.140	9.7	<0.5	<1	<25	<2	--
FEB								
19.	1530	0.100	15	<0.5	1	<25	<2	--
MAR								
26.	1600	0.510	9.0	<0.5	<1	<25	<2	18
APR								
16.	1520	0.190	12	<0.5	<1	<25	<2	8
MAY								
21.	1530	0.230	11	<0.5	<1	<25	<2	--
JUN								
18.	1530	0.620	7.9	<0.5	<1	<25	<2	--
JUL								
16.	1415	1.06	8.7	<0.5	<1	<25	<2	14
AUG								
20.	1515	0.900	7.5	<0.5	<1	<25	<2	18
SEP								
17.	1515	0.860	7.9	<0.5	<1	--	<2	16

07344350 RED RIVER NEAR SPRING BANK, ARKANSAS

LOCATION.--Lat 33°05'29", long 93°51'38", in NW¼ sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi west of Spring Bank.

DRAINAGE AREA.--56,909 mi².

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1507	9827	9827	9890	8.2	24.0	8.4	4.7	160
30.	1425	9827	9827	4520	8.1	18.0	9.3	5.6	240
NOV									
27.	1330	9827	9827	7030	8.3	19.0	8.5	3.0	270
JAN									
22.	1630	9827	9827	63500	7.3	7.0	9.5	1.2	56
FEB									
19.	1415	9827	9827	12400	7.7	12.0	9.0	2.2	76
MAR									
26.	1445	9827	9827	7400	8.0	21.0	9.2	3.3	190
APR									
16.	1415	9827	9827	78500	7.9	21.0	6.4	2.0	84
MAY									
21.	1430	9827	9827	63800	7.8	25.0	7.2	1.8	100
JUN									
18.	1430	9827	9827	53100	7.8	28.0	5.9	1.4	250
JUL									
16.	1315	9827	9827	7800	8.1	28.0	7.6	3.5	230
AUG									
20.	1415	9827	9827	5160	8.2	28.0	8.3	3.1	270
SEP									
10.	0935	9827	9827	6380	7.2	27.0	7.1	0.7	16
17.	1400	9827	9827	12900	8.2	28.0	8.3	2.5	290

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1507	50	63	335	100	<0.020	--	0.150
30.	1425	88	--	507	23	<0.020	<0.050	0.060
NOV								
27.	1330	180	160	643	33	0.090	<0.050	0.100
JAN								
22.	1630	25	15	155	51	0.360	<0.050	--
FEB								
19.	1415	27	15	170	160	0.420	0.080	0.310
MAR								
26.	1445	70	74	384	2	<0.020	0.060	0.100
APR								
16.	1415	22	18	183	--	0.300	0.130	--
MAY								
21.	1430	45	40	242	100	0.100	<0.050	0.110
JUN								
18.	1430	130	130	565	310	0.100	0.110	0.230
JUL								
16.	1315	96	110	512	42	0.020	0.090	0.120
AUG								
20.	1415	98	120	592	40	<0.020	<0.050	0.100
SEP								
10.	0935	--	--	--	4	<0.020	<0.050	0.050
17.	1400	180	210	770	135	0.120	<0.050	0.130

07344350 RED RIVER NEAR SPRING BANK, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1507	0.050	11	--	<1	<25	<2	--
30.	1425	<0.030	8.9	--	<1	<25	<2	--
NOV								
27.	1330	<0.030	12	<0.5	<1	<25	<2	<8
JAN								
22.	1630	0.070	11	<0.5	<1	<25	<2	--
FEB								
19.	1415	0.070	12	<0.5	<1	<25	<2	--
MAR								
26.	1445	<0.030	9.3	<0.5	<1	<25	<2	<8
APR								
16.	1415	0.090	12	<0.5	<1	<25	<2	8
MAY								
21.	1430	<0.030	8.2	<0.5	<1	<25	<2	--
JUN								
18.	1430	0.070	9.6	<0.5	<1	<25	<2	--
JUL								
16.	1315	0.040	8.2	<0.5	<1	<25	<2	<8
AUG								
20.	1415	0.040	8.2	<0.5	<1	<25	<2	<8
SEP								
10.	0935	<0.030	4.3	<0.5	<1	<25	<2	<8
17.	1400	0.060	7.8	<0.5	<1	<25	<2	<8

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARKANSAS

LOCATION.--Lat 33°05'53", long 93°22'53", in SE¼, sec.9, T.19 S., R.22 W., Columbia County, Hydrologic Unit 11140203, at bridge on State Highway 160, 4.4 mi east of Taylor.

DRAINAGE AREA.--389 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	0930	9827	9827	48	5.8	17.0	6.5	0.6	70
NOV									
06.	0930	9827	9827	8.0	5.3	10.0	2.7	1.7	8
DEC									
11.	0945	9827	9827	73	5.7	7.0	9.3	0.9	52
JAN									
22.	1445	9827	9827	2000	6.0	6.0	10.0	0.9	20
FEB									
19.	1245	9827	9827	876	6.1	12.0	7.8	1.4	20
MAR									
26.	1300	9827	9827	167	6.1	28.0	6.1	1.6	24
APR									
16.	1245	9827	9827	2300	6.0	20.0	6.6	1.4	10
MAY									
21.	1245	9827	9827	986	6.1	24.0	4.4	2.0	18
JUN									
18.	1300	9827	9827	47	6.2	26.0	6.2	2.9	24
JUL									
16.	1145	9827	9827	7.0	6.5	28.0	2.8	1.9	38
AUG									
20.	1230	9827	9827	11	7.3	28.0	5.7	--	4

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	0930	7.0	79	227	4	<0.020	<0.050	0.040
NOV								
06.	0930	4.0	140	551	6	<0.020	<0.050	0.100
DEC								
11.	0945	1.0	90	--	4	<0.020	<0.050	<0.030
JAN								
22.	1445	6.0	19	75	4	0.050	<0.050	--
FEB								
19.	1245	8.0	19	83	2	0.080	<0.050	0.060
MAR								
26.	1300	10	33	117	8	<0.020	<0.050	0.050
APR								
16.	1245	8.0	9.8	68	--	0.080	0.070	--
MAY								
21.	1245	8.0	16	75	19	0.030	0.080	0.070
JUN								
18.	1300	7.0	29	107	12	0.100	0.050	0.070
JUL								
16.	1145	9.0	39	139	8	0.100	0.110	0.070
AUG								
20.	1230	7.0	37	161	8	<0.020	<0.050	0.070

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	0930	<0.030	8.9	<0.5	<1	<25	<2	--
NOV								
06.	0930	<0.030	7.8	<0.5	<1	<25	<2	65
DEC								
11.	0945	<0.030	10	<0.5	<1	<25	<2	--
JAN								
22.	1445	<0.030	11	<0.5	<1	<25	<2	--
FEB								
19.	1245	<0.030	13	<0.5	2	<25	<2	--
MAR								
26.	1300	0.030	14	<0.5	<1	<25	<2	12
APR								
16.	1245	<0.030	14	<0.5	<1	<25	<2	<8
MAY								
21.	1245	<0.030	17	<0.5	<1	<25	<2	--
JUN								
18.	1300	0.030	12	<0.5	<1	<25	<2	--
JUL								
16.	1145	<0.030	13	<0.5	<1	<25	<2	10
AUG								
20.	1230	0.030	15	<0.5	<1	<25	<2	9

07349440 BODCAU CREEK NEAR LEWISVILLE, ARKANSAS

LOCATION.--Lat 33°15'42", long 93°33'05", in SE¼ sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.

PERIOD OF RECORD.--April 1974 to September 1977, October 1978 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	0900	9827	9827	33	6.5	18.0	--	1.3	34
NOV									
06.	0845	9827	9827	33	6.2	--	5.0	1.7	34
DEC									
11.	0900	9827	9827	37	6.3	8.0	6.9	0.8	28
JAN									
22.	1530	9827	9827	--	6.0	7.0	8.3	0.4	12
FEB									
19.	1315	9827	9827	--	6.3	12.0	7.6	1.5	16
MAR									
26.	1345	9827	9827	28	6.5	20.0	6.2	1.1	18
APR									
16.	1315	9827	9827	1760	6.0	20.0	4.7	2.0	12
MAY									
21.	1330	9827	9827	--	6.2	24.0	3.8	2.0	18
JUN									
18.	1330	9827	9827	--	6.8	28.0	6.4	4.2	26
JUL									
16.	1215	9827	9827	--	6.5	28.0	3.9	1.5	24
AUG									
20.	1315	9827	9827	0.0	6.9	28.0	6.4	3.5	30
SEP									
17.	1315	9827	9827	19	6.8	28.0	6.5	4.9	26

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	0900	9.0	67	187	8	0.130	0.090	0.013
NOV								
06.	0845	11	74	171	14	0.050	<0.050	0.110
DEC								
11.	0900	3.0	35	--	4	<0.020	<0.050	0.070
JAN								
22.	1530	7.0	9.7	64	4	0.050	<0.050	--
FEB								
19.	1315	7.0	15	77	12	0.080	<0.050	0.070
MAR								
26.	1345	7.0	16	82	6	<0.020	0.050	0.100
APR								
16.	1315	10	8.7	76	--	0.070	0.110	--
MAY								
21.	1330	6.0	14	77	18	0.160	<0.050	0.140
JUN								
18.	1330	6.0	30	114	12	0.170	<0.050	0.110
JUL								
16.	1215	9.0	34	125	13	0.120	0.100	0.130
AUG								
20.	1315	6.0	30	121	12	<0.020	<0.050	0.080
SEP								
17.	1315	9.0	43	127	16	<0.020	<0.050	0.130

07349440 BODCAU CREEK NEAR LEWISVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	0900	0.060	11	<0.5	1	<25	<2	--
NOV								
06.	0845	<0.030	9.9	<0.5	<1	<25	<2	14
DEC								
11.	0900	0.030	12	<0.5	<1	<25	<2	--
JAN								
22.	1530	<0.030	12	<0.5	<1	<25	<2	--
FEB								
19.	1315	<0.030	12	<0.5	<1	<25	<2	--
MAR								
26.	1345	0.050	12	<0.5	<1	<25	<2	14
APR								
16.	1315	0.030	18	<0.5	<1	<25	<2	<8
MAY								
21.	1330	0.040	17	<0.5	<1	<25	<2	--
JUN								
18.	1330	0.050	12	<0.5	<1	<25	<2	--
JUL								
16.	1215	0.060	11	<0.5	<1	<25	<2	9
AUG								
20.	1315	0.050	10	<0.5	<1	<25	2	16
SEP								
17.	1315	0.080	12	<0.5	<1	<25	<2	11

07355825 PRAIRIE CREEK NEAR MENA, ARKANSAS

LOCATION.--Lat 34°34'14", long 94°11'16", in NW¼NE¼ sec.22, T.2 S., R.30 W., Polk County, Hydrologic Unit 08040101, on county road running between State Highways 8 and 88, 2.0 mi east of junction of county road and State Highway 8.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
09.	1310	9827	9827	6.9	17.0	8.2	2.1	16	6.0
NOV									
06.	1540	9827	9827	7.2	13.0	10.2	1.3	20	9.0
DEC									
04.	1037	9827	9827	7.2	7.0	11.5	2.4	18	10
JAN									
15.	1410	9827	9827	6.7	7.0	10.6	--	12	4.0
FEB									
12.	1627	9827	9827	7.6	11.0	11.4	1.1	14	11
MAR									
19.	1335	9827	9827	7.6	15.0	10.7	1.6	14	5.0
APR									
09.	1020	9827	9827	7.3	18.0	8.5	2.0	20	8.0
30.	1011	9827	9827	7.0	16.0	9.2	0.8	18	3.0
JUN									
11.	0910	9827	9827	7.1	23.0	6.2	2.0	24	13
JUL									
02.	0929	9827	9827	6.6	28.0	5.0	3.8	44	61
AUG									
13.	1018	9827	9827	7.2	24.0	6.1	3.1	22	13

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
09.	1310	3.9	63	13	0.400	--	0.80	0.150
NOV								
06.	1540	4.5	60	4	0.140	--	--	--
DEC								
04.	1037	5.0	68	8	0.310	0.400	1.2	0.160
JAN								
15.	1410	2.9	41	42	0.250	0.050	0.67	0.120
FEB								
12.	1627	3.6	32	6	0.210	0.270	0.54	0.070
MAR								
19.	1335	4.7	47	6	0.160	0.200	0.35	0.110
APR								
09.	1020	3.9	52	21	0.200	0.160	0.63	0.100
30.	1011	3.1	42	7	0.140	<0.050	0.52	0.070
JUN								
11.	0910	6.2	62	11	0.190	0.110	1.1	0.090
JUL								
02.	0929	24	158	12	1.70	0.770	1.4	0.210
AUG								
13.	1018	8.1	72	6	0.250	0.330	1.3	0.040

07355825 PRAIRIE CREEK NEAR MENA, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
09.	1310	0.070	7.3	<0.5	1	<25	<2	<8
NOV								
06.	1540	<0.030	4.7	<0.5	<1	<25	<2	<8
DEC								
04.	1037	0.110	6.2	<0.5	<1	<25	<2	<8
JAN								
15.	1410	0.110	7.6	<0.5	<1	<25	<2	<8
FEB								
12.	1627	<0.030	2.9	<0.5	--	<25	<2	--
MAR								
19.	1335	0.030	4.0	<0.5	<1	<25	<2	<8
APR								
09.	1020	0.050	5.7	<0.5	<1	<25	<2	--
30.	1011	<0.030	3.7	<0.5	<1	<25	<2	<8
JUN								
11.	0910	0.040	4.7	<0.5	<1	<25	<2	<8
JUL								
02.	0929	0.090	7.8	<0.5	<1	<25	<2	<8
AUG								
13.	1018	<0.030	4.5	<0.5	<1	<25	<2	26

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARKANSAS

LOCATION.--Lat 34°36'36", long 93°41'50", in SE¼SW¼ sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941 to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft downstream at present datum.

REMARKS.--Water-discharge records good. As of August 1977, flow from 34.3 mi² upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,355 acre-ft is sediment storage.

AVERAGE DISCHARGE.--50 years, 730 ft³/s, 528,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s Dec. 3, 1982, gage height, 39.78 ft, from flood-marks; minimum, 2.3 ft³/s Aug. 25, 1954, gage height, 1.03 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft higher than that of 1908 and is the highest since at least that date, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Oct. 8	1000	*30,600	*23.50	Apr. 14	0900	29,800	23.17
Dec. 21	1800	14,900	15.96	Apr. 29	0200	12,300	14.37
Apr. 12	2300	14,200	15.53	July 28	2300	12,300	14.40

Minimum discharge, 36 ft³/s July 23-24, gage height, 1.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e154	374	581	1820	367	678	634	1840	418	94	447	65
2	e151	330	551	1470	337	1590	552	1300	349	84	323	76
3	e149	285	1490	1250	313	1120	506	1320	299	89	245	96
4	160	253	1350	1060	297	914	531	1760	257	171	191	81
5	272	237	1020	962	305	766	473	1540	235	146	160	151
6	201	162	848	2520	800	667	411	1370	270	142	136	172
7	2870	129	710	4530	950	576	390	1060	238	101	121	126
8	20000	106	592	2490	756	498	440	872	212	83	108	95
9	8400	195	505	1770	664	437	501	726	180	74	98	88
10	4400	319	436	3540	592	377	523	639	160	67	89	76
11	3200	253	383	3880	524	340	434	555	153	61	83	68
12	2470	226	345	2650	470	316	6770	484	153	56	78	60
13	2030	216	316	1820	440	293	11800	421	150	54	74	53
14	1740	210	287	1430	412	268	21300	361	138	51	75	49
15	1520	204	261	3700	361	249	4480	426	125	46	76	45
16	1370	199	267	3590	319	235	2840	506	244	44	77	50
17	1210	195	556	2150	306	253	2200	383	204	41	75	103
18	1070	e193	3130	1720	305	341	3270	319	228	39	72	147
19	991	e191	2580	1570	297	321	2720	924	167	38	64	289
20	928	e189	1560	1440	272	273	2020	1270	141	41	58	191
21	869	e187	9250	1190	249	253	1530	1320	125	42	69	151
22	759	e188	6470	e1030	339	949	1200	1130	113	38	68	131
23	680	221	2840	e931	785	2650	1040	911	157	37	59	111
24	597	255	1840	818	648	1330	840	829	280	38	54	100
25	529	221	1410	721	555	997	756	3330	241	132	50	94
26	482	204	1180	646	485	812	832	2440	180	198	47	89
27	454	276	1260	588	423	705	5950	1400	151	206	47	81
28	436	1020	1600	542	378	663	e3590	1020	132	5500	47	73
29	419	908	2590	498	---	716	8460	796	116	3430	46	67
30	405	694	3700	456	---	935	2850	632	104	1020	47	63
31	393	---	2520	409	---	736	---	510	---	637	53	---
TOTAL	59309	8640	52428	53191	12949	21258	89843	32394	5920	12800	3237	3041
MEAN	1913	288	1691	1716	462	686	2995	1045	197	413	104	101
MAX	20000	1020	9250	4530	950	2650	21300	3330	418	5500	447	289
MIN	149	106	261	409	249	235	390	319	104	37	46	45
AC-FT	117600	17140	104000	105500	25680	42170	178200	64250	11740	25390	6420	6030

CAL YR 1990 TOTAL 448323 MEAN 1228 MAX 21500 MIN 25 AC-FT 889200
WTR YR 1991 TOTAL 355010 MEAN 973 MAX 21300 MIN 37 AC-FT 704200

e Estimated

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-52, April 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1949 to September 1952.
WATER TEMPERATURES: October 1949 to September 1952.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1425	9827	9827	671	7.1	14.0	8.2	1.6	22
NOV									
13.	1235	9827	9827	215	7.3	13.0	8.9	2.9	24
DEC									
11.	1225	9827	9827	381	7.7	11.0	11.7	2.4	36
JAN									
23.	0845	9827	9827	944	7.1	4.0	11.3	1.7	20
FEB									
19.	1230	9827	9827	298	7.4	12.0	10.8	2.8	12
MAR									
12.	1237	9827	9827	314	7.2	16.0	11.1	1.5	22
APR									
09.	1425	9827	9827	506	7.7	19.0	9.7	1.9	34
MAY									
14.	1355	9827	9827	356	7.8	27.0	10.0	2.3	30
JUN									
04.	1415	9827	9827	253	7.1	29.0	8.8	2.3	10
JUL									
16.	1306	9827	9827	44	7.1	29.0	7.5	2.0	20
AUG									
06.	1330	9827	9827	130	7.2	29.0	8.7	7.1	18
SEP									
03.	1415	9827	9827	95	7.9	26.0	8.1	5.7	44

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1425	8.0	6.6	58	8	0.500	0.120	0.110
NOV								
13.	1235	6.0	11	55	7	0.160	<0.050	--
DEC								
11.	1225	2.0	4.2	46	3	0.290	<0.050	0.010
JAN								
23.	0845	4.0	2.6	39	8	0.180	<0.050	0.050
FEB								
19.	1230	4.0	2.1	22	2	0.050	<0.050	0.030
MAR								
12.	1237	5.0	2.4	36	1	0.140	<0.050	<0.030
APR								
09.	1425	7.0	2.6	52	7	<0.020	<0.050	0.050
MAY								
14.	1355	4.0	2.8	38	10	0.020	0.130	0.110
JUN								
04.	1415	3.0	2.0	35	6	0.020	<0.050	0.030
JUL								
16.	1306	4.0	2.6	36	3	0.030	0.110	--
AUG								
06.	1330	1.0	2.7	42	2	0.020	0.050	0.040
SEP								
03.	1415	4.0	8.4	69	--	0.040	<0.050	0.070

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1425	0.060	4.2	<0.5	<1	<25	<2	<8
NOV								
13.	1235	0.030	3.6	<0.5	<1	<25	<2	<8
DEC								
11.	1225	<0.030	1.4	<0.5	<1	<25	<2	<8
JAN								
23.	0845	<0.030	3.4	--	<1	<25	<2	<8
FEB								
19.	1230	<0.030	1.3	<0.5	--	<25	<2	--
MAR								
12.	1237	<0.030	2.6	<0.5	<1	<25	--	<8
APR								
09.	1425	<0.030	2.6	<0.5	<1	<25	<2	--
MAY								
14.	1355	0.040	3.2	<0.5	<1	<25	<2	<8
JUN								
04.	1415	<0.030	4.4	<0.5	<1	<25	<2	<8
JUL								
16.	1306	<0.030	3.9	<0.5	--	<25	<2	--
AUG								
06.	1330	<0.030	4.4	<0.5	<1	<25	<2	--
SEP								
03.	1415	<0.030	3.0	<0.5	<1	<25	<2	--

07359500 OUACHITA RIVER NEAR MALVERN, ARKANSAS

LOCATION.--Lat 34°23'10", long 92°50'20", in NW¼ sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84 (destroyed by May 1990 flood), 2.0 mi northwest of Malvern, 5.8 mi downstream from Remmel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 mi².

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft above National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft higher. June 1922 to September 1924, nonrecording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi upstream at datum 20.11 ft higher. The gage was out of operation Oct. 1, 1990 to Sept. 30, 1991 due to destruction by flood in May 1990.

REMARKS.--Water-discharge records poor. Flow regulated since 1925 by Lake Catherine, 5.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft. Daily discharge determined from flow through turbines and floodgates, computed from relation between discharge, head, and gate openings at Remmel Dam, 5.0 mi upstream.

AVERAGE DISCHARGE.--64 years (1925-26, 1928-91), 2,458 ft³/s, 1,781,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166,000 ft³/s May 20, 1990, from rating curve extended above 120,000 ft³/s on the basis of computation of peak flow over Remmel Dam 5.8 mi upstream, adjusted for flow from intervening area; maximum gage height, 30.3 ft, from floodmarks, May 15, 1923; minimum, 34 ft³/s May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 ft³/s Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 16,200 ft³/s Apr. 14, minimum daily, 363 ft³/s Mar. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2350	2610	993	8120	2810	3420	1140	10200	4870	1300	2180	1620
2	1230	2850	933	9300	3150	7060	885	8290	3510	1610	2630	1030
3	2640	2660	2930	7590	1030	6680	1350	9940	4140	449	1880	2260
4	2650	2350	2720	9510	2660	3290	1120	9030	4890	432	1810	2270
5	2400	3440	2950	7540	2950	2450	1700	8770	4000	508	3010	2820
6	1650	2690	2980	12100	2660	2070	2370	6680	1310	507	3970	2830
7	1970	2370	2970	8930	2760	1530	2250	8710	832	373	2580	2710
8	3370	2810	2310	5450	2250	2720	2800	7220	543	1200	2300	2720
9	9300	3230	1720	5450	2130	2040	3230	6840	522	569	2850	2890
10	4470	2490	2510	7270	2050	647	1130	7800	479	518	777	2880
11	1430	2250	2400	7270	2240	2440	2860	7750	670	1080	545	2780
12	2690	2620	1910	7430	2670	671	4980	6360	1720	984	2340	3210
13	584	2810	2220	4120	2810	1640	14600	8290	1940	595	1760	3510
14	523	2750	1490	5230	2520	1430	16200	6360	2240	528	1850	2590
15	2870	2880	456	8710	2650	2010	6680	7640	1180	844	2230	3680
16	3060	3630	497	9890	2700	2610	8870	10700	2090	957	2190	2190
17	3190	3050	2660	9350	1170	1300	8290	6680	1440	1400	2080	2230
18	2600	2890	11400	8550	2620	2290	7850	7430	2140	1040	2430	2610
19	1850	2900	7960	7170	3990	363	8070	8450	2430	1540	2150	1190
20	585	2780	4670	8450	2660	798	7220	8230	1760	966	2120	987
21	1290	2760	9890	7640	2510	759	8820	8870	1300	671	2410	452
22	2470	1260	13000	7590	5550	555	7540	7220	1470	1110	2080	510
23	1470	1730	8770	7430	7750	684	6890	7960	1590	1580	2080	374
24	443	1030	5780	7220	3480	487	7590	8120	1360	1470	2160	518
25	1460	443	4190	8820	3540	781	7480	10500	1110	1560	1960	407
26	1290	2590	5250	8450	2930	543	7270	8820	1310	835	2370	446
27	513	2430	7910	7320	2770	1210	10200	7910	615	1200	2270	799
28	534	1830	9350	3580	3950	1370	11900	6940	1290	6360	2410	428
29	1000	1230	8770	3580	---	640	12800	8870	826	3650	2550	428
30	1540	1700	11200	2960	---	482	7700	7700	1930	2550	2550	702
31	2570	---	11100	2280	---	485	---	5500	---	1690	864	---
TOTAL	65992	73063	153889	224300	82960	55455	191785	249780	55507	40076	67386	54071
MEAN	2129	2435	4964	7235	2963	1789	6393	8057	1850	1293	2174	1802
MAX	9300	3630	13000	12100	7750	7060	16200	10700	4890	6360	3970	3680
MIN	443	443	456	2280	1030	363	885	5500	479	373	545	374
AC-FT	130900	144900	305200	444900	164600	110000	380400	495400	110100	79490	133700	107200

CAL YR 1990 TOTAL 1437422 MEAN 3938 MAX 84000 MIN 397 AC-FT 2851000
WTR YR 1991 TOTAL 1314264 MEAN 3601 MAX 16200 MIN 363 AC-FT 2607000

07359580 OUACHITA RIVER NEAR DONALDSON, ARKANSAS

LOCATION.--Lat 34°14'16", long 92°57'32", in NE¼ sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi west of Donaldson, 3.6 mi downstream from Black Branch.

DRAINAGE AREA.--1,732 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
23.	1547	9827	9827	2700	7.3	15.0	8.2	2.5	22
NOV									
13.	1430	9827	9827	3100	7.3	13.0	8.9	3.7	28
DEC									
11.	1400	9827	9827	2910	7.3	11.0	10.2	7.2	20
JAN									
23.	1010	9827	9827	8200	7.1	5.0	11.2	1.4	22
FEB									
19.	1130	9827	9827	3980	7.2	13.0	10.6	4.6	22
MAR									
12.	1440	9827	9827	2210	7.4	17.0	10.9	1.3	24
APR									
09.	1548	9827	9827	4130	7.0	21.0	8.1	2.7	18
MAY									
14.	1525	9827	9827	7540	7.2	27.0	8.5	4.3	20
JUN									
04.	1550	9827	9827	4970	7.2	30.0	9.9	4.1	18
JUL									
16.	1555	9827	9827	1100	7.2	30.0	6.4	3.7	22
AUG									
06.	1510	9827	9827	4640	7.2	30.0	6.8	3.1	22
SEP									
03.	1550	9827	9827	2620	7.0	30.0	6.6	4.2	24

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1547	10	6.6	65	6	0.480	0.120	0.030
NOV								
13.	1430	7.0	11	64	6	0.140	<0.050	--
DEC								
11.	1400	2.0	7.4	61	7	0.320	0.180	0.030
JAN								
23.	1010	4.0	2.5	43	8	0.180	<0.050	0.060
FEB								
19.	1130	4.0	3.1	44	7	0.190	<0.050	0.050
MAR								
12.	1440	5.0	2.7	37	7	0.150	<0.050	<0.030
APR								
09.	1548	9.0	3.7	50	68	0.100	<0.050	0.100
MAY								
14.	1525	4.0	2.8	17	14	0.120	0.120	0.120
JUN								
04.	1550	3.0	2.3	39	13	0.090	<0.050	0.070
JUL								
16.	1555	5.0	3.5	42	9	0.200	0.130	--
AUG								
06.	1510	3.0	3.1	50	8	0.160	0.070	0.060
SEP								
03.	1550	4.0	8.7	46	--	0.160	0.050	0.070

07359580 OUACHITA RIVER NEAR DONALDSON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1547	<0.030	4.4	<0.5	<1	<25	<2	<8
NOV								
13.	1430	<0.030	4.9	<0.5	<1	<25	<2	<8
DEC								
11.	1400	<0.030	3.6	<0.5	<1	<25	<2	12
JAN								
23.	1010	<0.030	3.5	--	<1	<25	<2	<8
FEB								
19.	1130	<0.030	4.3	<0.5	--	<25	<2	--
MAR								
12.	1440	<0.030	3.0	0.6	<1	<25	--	<8
APR								
09.	1548	<0.030	8.0	<0.5	<1	<25	<2	--
MAY								
14.	1525	0.030	4.2	<0.5	<1	<25	<2	<8
JUN								
04.	1550	<0.030	4.1	<0.5	<1	<25	<2	<8
JUL								
16.	1555	<0.030	4.7	<0.5	--	<25	<2	--
AUG								
06.	1510	<0.030	4.6	<0.5	<1	<25	<2	--
SEP								
03.	1550	<0.030	6.3	<0.5	<1	<25	<2	--

07359610 CADDO RIVER NEAR CADDO GAP, ARKANSAS

LOCATION.--Lat 34°22'59", long 93°36'21", in SW¼NE¼ 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.--136 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Results of discharge measurements April 1975 to September 1978 are contained in reports of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 577.81 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except above 10,000 ft^3/s, and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,000 ft^3/s Mar. 8, 1990, gage height, 20.18 ft, from rating curve extended above 6,000 ft^3/s; minimum, 36 ft^3/s Oct. 6, 1988, Sept. 3-4, 1990, Aug. 21, 25, 26, 30, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Water Year 1990:

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 19	0930	15,700	15.24	May 02	1915	12,400	14.29
Mar. 08	0215	*a41,000	*20.18	May 20	0145	16,200	15.37

a from rating curve extended above 6,000 ft^3/s.

Minimum discharge, 36 ft^3/s Sept. 3-4, gage height, 5.13 ft.

Water Year 1991:

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 9	0915	7,890	12.68	Apr. 13	UNK	*UNK	*UNK
Dec. 21	0915	9,700	13.38	May 25	0530	6,760	12.19

Minimum discharge, 36 ft^3/s, Aug. 21, 25, 26, 30, gage height, 5.20 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	50	46	95	2850	323	358	1590	579	60	e55	38
2	72	48	46	80	1850	282	297	5210	738	58	e70	37
3	60	47	44	82	2010	240	245	3740	628	56	e60	36
4	56	47	44	283	890	205	210	2260	493	58	e65	36
5	53	47	45	174	540	177	204	951	398	55	e70	40
6	53	99	46	123	394	158	638	628	331	52	e55	38
7	56	71	49	98	312	3430	483	459	284	50	e55	39
8	51	57	58	83	260	11600	371	370	241	48	e55	232
9	50	50	53	74	252	1180	309	320	208	45	e55	158
10	48	48	50	65	295	727	399	269	194	44	e55	79
11	47	48	50	61	240	523	358	232	175	54	e50	107
12	48	47	48	56	203	430	305	355	156	171	e45	191
13	46	47	47	53	174	357	264	340	144	94	e60	130
14	47	57	47	53	159	868	935	265	137	73	e95	111
15	46	56	47	53	825	1460	614	226	126	69	e90	81
16	47	47	44	59	563	714	456	200	118	62	e70	67
17	47	46	44	527	367	493	400	279	110	63	e60	62
18	46	46	45	610	293	386	332	209	101	e80	e50	79
19	47	46	46	7050	243	322	307	2640	95	e70	e45	83
20	46	46	45	2050	196	264	311	7510	87	e70	e90	209
21	47	46	44	727	195	223	323	2210	81	e65	e80	130
22	47	58	48	438	501	195	324	1050	77	e70	e60	213
23	47	70	46	319	342	169	404	674	72	e130	e55	135
24	47	57	46	251	275	150	315	486	68	e100	e55	99
25	47	53	45	200	227	139	279	386	68	e85	e50	84
26	46	51	45	163	192	159	251	326	79	e150	e45	73
27	45	50	45	138	167	141	636	656	82	e100	e45	66
28	44	48	45	147	159	466	717	626	72	e75	44	62
29	44	46	69	243	---	690	445	431	66	e60	42	61
30	50	46	89	213	---	546	344	713	63	e55	40	81
31	57	---	111	249	---	443	---	844	---	e55	39	---
TOTAL	1586	1575	1577	14817	14974	27460	11834	36455	6071	2277	1805	2857
MEAN	51.2	52.5	50.9	478	535	886	394	1176	202	73.5	58.2	95.2
MAX	99	99	111	7050	2850	11600	935	7510	738	171	95	232
MIN	44	46	44	53	159	139	204	200	63	44	39	36
AC-FT	3150	3120	3130	29390	29700	54470	23470	72310	12040	4520	3580	5670
CFSM	.38	.39	.37	3.51	3.93	6.51	2.90	8.65	1.49	.54	.43	.70
IN.	.43	.43	.43	4.05	4.10	7.51	3.24	9.97	1.66	.62	.49	.78

CAL YR 1989 TOTAL 82941 MEAN 227 MAX 7140 MIN 42 AC-FT 164500 CFSM 1.67 IN. 22.69
WTR YR 1990 TOTAL 123288 MEAN 338 MAX 11600 MIN 36 AC-FT 244500 CFSM 2.48 IN. 33.72

e Estimated

07359610 CADDO RIVER NEAR CADDO GAP, ARKANSAS--CONTINUED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	58	208	647	109	1770	e140	e350	170	57	110	59
2	66	57	568	525	104	930	e110	e290	144	57	89	69
3	64	57	1310	429	102	607	e130	e2800	127	110	75	106
4	330	65	587	339	104	484	e110	e930	112	213	67	155
5	181	116	387	295	162	396	e95	e1500	190	99	62	134
6	112	83	296	971	402	324	e90	e670	149	78	56	137
7	493	74	240	1000	307	259	e95	e490	112	68	53	93
8	1610	72	198	631	246	211	e100	e340	101	63	53	83
9	3990	276	166	488	209	176	e95	221	94	58	182	75
10	1080	237	144	1410	181	150	e90	206	91	54	100	66
11	591	165	129	1290	156	138	e80	194	96	51	77	64
12	386	130	117	772	141	131	e1500	170	96	48	70	62
13	278	110	108	579	136	117	e6000	146	87	50	66	58
14	213	99	101	480	120	108	e2500	136	81	82	63	56
15	166	91	102	1490	105	103	e1200	272	79	58	50	55
16	136	86	128	971	102	100	e630	409	161	51	45	55
17	115	79	282	651	105	133	e380	265	147	48	45	67
18	105	77	1930	548	120	115	e280	199	114	48	46	130
19	93	76	814	530	153	103	e230	183	93	47	42	124
20	87	73	494	486	131	100	e190	264	83	47	39	79
21	84	71	3850	404	121	e115	e180	359	79	45	50	65
22	90	80	1580	336	886	e145	e170	279	75	42	52	59
23	79	78	768	293	871	e105	e140	243	105	40	45	66
24	74	72	549	250	571	e95	e130	412	89	42	41	61
25	70	70	446	214	459	e95	e120	2990	84	70	38	59
26	67	71	357	189	355	e95	e120	948	74	125	37	53
27	66	367	515	172	286	e110	e560	590	69	73	41	49
28	63	688	584	157	239	e135	e640	410	65	1710	42	48
29	61	357	1090	144	---	e180	e780	316	62	641	40	48
30	60	258	1790	133	---	e210	e450	254	59	273	37	46
31	59	---	950	119	---	e160	---	207	---	152	46	---
TOTAL	10944	4193	20788	16943	6983	7900	17335	17043	3088	4600	1859	2281
MEAN	353	140	671	547	249	255	578	550	103	148	60.0	76.0
MAX	3990	688	3850	1490	886	1770	6000	2990	190	1710	182	155
MIN	59	57	101	119	102	95	80	136	59	40	37	46
AC-FT	21710	8320	41230	33610	13850	15670	34380	33800	6130	9120	3690	4520
CFSM	2.60	1.03	4.93	4.02	1.83	1.87	4.25	4.04	.76	1.09	.44	.56
IN.	2.99	1.15	5.69	4.63	1.91	2.16	4.74	4.66	.84	1.26	.51	.62

CAL YR 1990 TOTAL 154475 MEAN 423 MAX 11600 MIN 36 AC-FT 306400 CFSM 3.11 IN. 42.25
WTR YR 1991 TOTAL 113957 MEAN 312 MAX 6000 MIN 37 AC-FT 226000 CFSM 2.30 IN. 31.17

e Estimated

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARKANSAS

LOCATION.--Lat 34°22'00", long 93°46'08", in NE¼SE¼ sec.27, T.4 S., R.26 W., Montgomery County, Hydrologic Unit 08040102, at bridge on county road at Fancy Hill, and 600 ft above confluence with the Caddo River.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
23...	1357	9827	9827	6.9	14.0	10.2	1.3	32
NOV								
13...	1155	9827	9827	7.0	15.0	10.2	3.1	26
DEC								
11...	1145	9827	9827	7.1	10.0	11.1	0.9	18
JAN								
23...	0819	9827	9827	7.3	3.0	12.2	1.3	24
FEB								
19...	1140	9827	9827	6.9	11.0	10.4	2.4	22
MAR								
12...	1151	9827	9827	7.0	16.0	9.5	1.2	20
APR								
09...	1337	9827	9827	6.9	20.0	9.3	3.0	24
MAY								
14...	1305	9827	9827	7.5	25.0	8.3	4.1	16
JUN								
04...	1320	9827	9827	6.8	28.0	9.3	4.0	22
JUL								
16...	1210	9827	9827	7.0	27.0	8.8	3.8	22
AUG								
06...	1145	9827	9827	7.8	28.0	8.1	6.2	42
SEP								
03...	1240	9827	9827	7.2	26.0	7.8	2.1	22

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23...	1357	24	2.7	59	1	0.030	<0.050	<0.030
NOV								
13...	1155	26	5.3	54	<1	0.070	<0.050	--
DEC								
11...	1145	10	3.3	28	2	0.060	<0.050	<0.030
JAN								
23...	0819	4.0	2.3	44	3	0.350	<0.050	0.060
FEB								
19...	1140	17	2.2	49	6	0.030	<0.050	0.030
MAR								
12...	1151	16	1.7	39	1	0.060	<0.050	<0.030
APR								
09...	1337	15	2.4	38	4	<0.020	<0.050	0.030
MAY								
14...	1305	4.0	2.5	17	5	<0.020	0.070	0.100
JUN								
04...	1320	19	2.0	45	12	<0.020	<0.050	0.030
JUL								
16...	1210	16	2.5	56	2	0.040	0.110	--
AUG								
06...	1145	2.0	2.9	61	6	<0.020	0.050	0.060
SEP								
03...	1240	24	8.1	57	--	<0.020	<0.050	0.060

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23...	1357	<0.030	1.1	<0.5	<1	<25	<2	<8
NOV								
13...	1155	<0.030	1.0	<0.5	<1	<25	<2	<8
DEC								
11...	1145	<0.030	0.5	<0.5	<1	<25	<2	21
JAN								
23...	0819	<0.030	1.9	--	<1	<25	<2	<8
FEB								
19...	1140	<0.030	1.9	<0.5	--	<25	<2	--
MAR								
12...	1151	<0.030	0.8	<0.5	<1	<25	--	26
APR								
09...	1337	<0.030	2.9	<0.5	<1	<25	<2	--
MAY								
14...	1305	0.030	2.8	<0.5	<1	<25	<2	<8
JUN								
04...	1320	<0.030	1.6	<0.5	<1	<25	<2	<8
JUL								
16...	1210	<0.030	1.8	<0.5	--	<25	<2	--
AUG								
06...	1145	<0.030	4.4	<0.5	<1	<25	<2	--
SEP								
03...	1240	<0.030	2.3	<0.5	2	<25	<2	--

07359770 CADDO RIVER NEAR AMITY, ARKANSAS

LOCATION.--Lat 34°17'05", long 93°24'56", in NW¼SE¼ sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi northeast of Amity.

DRAINAGE AREA.--291 mi^2.

PERIOD OF RECORD.--August 1972 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
23...	1105	9827	9827	7.7	13.0	10.5	3.8	42
NOV								
13...	0945	9827	9827	7.5	13.0	10.6	3.8	40
DEC								
11...	0935	9827	9827	7.6	10.0	11.8	4.2	32
JAN								
23...	0650	9827	9827	7.3	3.0	12.4	1.7	26
FEB								
19...	0935	9827	9827	7.1	12.0	9.9	5.0	22
MAR								
12...	1000	9827	9827	8.0	17.0	11.8	2.0	28
APR								
09...	1030	9827	9827	7.6	20.0	9.9	3.7	36
MAY								
14...	1000	9827	9827	7.6	26.0	10.0	6.8	32
JUN								
04...	1021	9827	9827	7.7	29.0	10.5	2.8	34
JUL								
16...	0915	9827	9827	7.4	29.0	8.2	4.6	42
AUG								
06...	0930	9827	9827	7.9	29.0	7.8	2.7	42
SEP								
03...	1000	9827	9827	7.7	26.0	8.4	3.2	48

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23...	1105	5.0	3.4	66	2	0.240	<0.050	0.080
NOV								
13...	0945	8.0	6.1	63	2	0.080	<0.050	--
DEC								
11...	0935	0.50	4.3	57	2	0.280	<0.050	<0.030
JAN								
23...	0650	5.0	2.4	52	3	0.360	<0.050	0.050
FEB								
19...	0935	5.0	3.0	56	22	0.210	<0.050	0.100
MAR								
12...	1000	4.0	2.1	42	2	0.100	<0.050	<0.030
APR								
09...	1030	7.0	2.7	48	6	<0.020	<0.050	0.060
MAY								
14...	1000	4.0	3.0	39	11	0.020	0.090	0.100
JUN								
04...	1021	3.0	2.5	55	6	<0.020	<0.050	0.030
JUL								
16...	0915	5.0	3.3	68	4	0.040	0.180	--
AUG								
06...	0930	2.0	2.9	68	6	<0.020	0.050	0.060
SEP								
03...	1000	3.0	9.0	64	--	0.040	<0.050	0.080

07359770 CADDO RIVER NEAR AMITY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23...	1105	0.030	3.9	<0.5	<1	<25	<2	<8
NOV								
13...	0945	<0.030	2.8	<0.5	<1	<25	<2	<8
DEC								
11...	0935	<0.030	2.7	<0.5	<1	<25	<2	13
JAN								
23...	0650	<0.030	1.7	--	<1	<25	<2	<8
FEB								
19...	0935	<0.030	8.4	<0.5	--	<25	<2	--
MAR								
12...	1000	<0.030	2.6	<0.5	<1	<25	--	<8
APR								
09...	1030	<0.030	2.8	<0.5	<1	<25	<2	--
MAY								
14...	1000	0.030	4.6	<0.5	<1	<25	<2	<8
JUN								
04...	1021	<0.030	3.1	<0.5	<1	<25	<2	<8
JUL								
16...	0915	<0.030	3.2	<0.5	--	<25	<2	--
AUG								
06...	0930	<0.030	3.4	<0.5	<1	<25	<2	--
SEP								
03...	1000	<0.030	2.6	<0.5	<1	<25	<2	--

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARKANSAS

LOCATION.--Lat 34°18'41", long 93°53'58", in SW¼ sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.6 mi downstream from White Oak Creek, and 3.3 mi west of Langley.

DRAINAGE AREA.--68.4 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
23...	1250	9827	9827	7.3	11.0	10.9	1.2	12
NOV								
13...	1115	9827	9827	7.3	12.0	10.7	3.1	14
DEC								
11...	1105	9827	9827	6.8	10.0	11.3	2.6	14
JAN								
23...	0805	9827	9827	7.2	3.0	12.1	1.4	26
FEB								
19...	1100	9827	9827	7.4	11.0	10.8	2.1	14
MAR								
12...	1110	9827	9827	7.3	16.0	10.5	1.9	10
APR								
09...	1245	9827	9827	7.3	20.0	9.7	2.0	12
MAY								
14...	1215	9827	9827	7.3	26.0	8.3	2.7	18
JUN								
04...	1233	9827	9827	7.2	27.0	10.2	2.9	8
JUL								
16...	1130	9827	9827	7.5	28.0	9.2	3.3	14
AUG								
06...	1105	9827	9827	6.7	29.0	7.7	2.0	12
SEP								
03...	1200	9827	9827	7.5	26.0	8.9	3.0	14

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23...	1250	2.0	2.5	33	<1	<0.020	<0.050	0.080
NOV								
13...	1115	5.0	5.6	31	1	<0.020	<0.050	--
DEC								
11...	1105	0.50	3.6	24	2	<0.020	<0.050	<0.030
JAN								
23...	0805	5.0	2.3	45	4	0.370	<0.050	0.050
FEB								
19...	1100	2.0	2.0	28	2	0.040	<0.050	<0.030
MAR								
12...	1110	3.0	1.9	19	<1	<0.020	<0.050	<0.030
APR								
09...	1245	5.0	2.4	23	4	<0.020	<0.050	0.040
MAY								
14...	1215	3.0	2.6	34	5	<0.020	0.080	0.100
JUN								
04...	1233	2.0	1.8	27	1	<0.020	<0.050	0.030
JUL								
16...	1130	2.0	2.4	33	2	<0.020	0.090	--
AUG								
06...	1105	1.0	2.2	30	4	0.170	0.060	0.070
SEP								
03...	1200	2.0	8.7	34	--	<0.020	<0.050	0.070

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23...	1250	0.040	1.2	<0.5	<1	<25	<2	<8
NOV								
13...	1115	<0.030	1.1	<0.5	<1	<25	<2	<8
DEC								
11...	1105	<0.030	1.0	<0.5	<1	<25	<2	<8
JAN								
23...	0805	<0.030	1.7	--	<1	<25	<2	<8
FEB								
19...	1100	<0.030	1.2	<0.5	--	<25	<2	--
MAR								
12...	1110	<0.030	1.4	<0.5	<1	<25	--	<8
APR								
09...	1245	<0.030	2.0	<0.5	<1	<25	<2	--
MAY								
14...	1215	0.040	2.7	<0.5	<1	<25	<2	<8
JUN								
04...	1233	<0.030	1.8	<0.5	<1	<25	<2	<8
JUL								
16...	1130	<0.030	1.6	<0.5	--	<25	<2	--
AUG								
06...	1105	0.030	3.0	<0.5	<1	<25	<2	--
SEP								
03...	1200	<0.030	3.4	<0.5	<1	<25	3	--

07361022 PRAIRIE CREEK AT MURFREESBORO, ARKANSAS

LOCATION.--Lat 34°04'02", long 93°40'58", in NE¼SE¼ sec.8, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 27, 0.3 mi east of City Park, and 0.5 mi upstream form confluence with Spring Creek.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
23.	1152	9827	9827	7.0	14.0	9.1	3.3	12	5.0
NOV									
13.	1043	9827	9827	7.0	13.0	9.4	2.7	12	7.0
DEC									
11.	1033	9827	9827	6.8	11.0	11.6	1.9	10	0.50
FEB									
19.	1035	9827	9827	6.7	13.0	11.2	3.0	10	6.0
MAR									
12.	1045	9827	9827	6.8	17.0	10.4	2.3	12	3.0
APR									
09.	1159	9827	9827	6.9	21.0	9.4	2.3	14	7.0
MAY									
14.	1130	9827	9827	6.5	27.0	5.5	2.4	20	7.0
JUN									
04.	1143	9827	9827	6.6	29.0	8.5	4.8	14	2.0
JUL									
16.	1045	9827	9827	7.9	30.0	9.9	6.7	46	3.0
AUG									
06.	1025	9827	9827	6.8	31.0	6.8	3.4	18	2.0
13.	0545	9827	9827	7.5	29.0	2.9	2.0	84	--
SEP									
03.	1115	9827	9827	6.8	28.0	6.4	3.4	14	1.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1152	3.8	39	1	0.250	<0.050	0.56	<0.030
NOV								
13.	1043	6.9	39	1	0.080	<0.050	0.64	--
DEC								
11.	1033	4.9	35	2	0.120	<0.050	0.33	<0.030
FEB								
19.	1035	3.0	45	10	0.180	0.300	0.58	0.060
MAR								
12.	1045	2.6	25	2	0.170	<0.050	0.40	<0.030
APR								
09.	1159	3.5	35	6	<0.020	<0.050	0.58	0.050
MAY								
14.	1130	25	75	18	0.060	0.170	1.2	0.150
JUN								
04.	1143	2.7	32	4	0.140	<0.050	1.1	0.050
JUL								
16.	1045	4.1	78	4	<0.020	0.110	0.90	--
AUG								
06.	1025	3.7	41	4	0.040	<0.050	--	0.190
13.	0545	13	158	17	0.260	0.050	--	<0.030
SEP								
03.	1115	9.5	42	--	0.040	<0.050	0.96	0.080

07361022 PRAIRIE CREEK AT MURFREESBORO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1152	<0.030	3.5	<0.5	<1	<25	<2	<8
NOV								
13.	1043	<0.030	4.4	<0.5	<1	<25	<2	<8
DEC								
11.	1033	<0.030	2.2	<0.5	<1	<25	<2	<8
FEB								
19.	1035	<0.030	6.8	<0.5	--	<25	<2	--
MAR								
12.	1045	<0.030	2.8	<0.5	<1	<25	--	<8
APR								
09.	1159	<0.030	3.7	<0.5	<1	<25	<2	--
MAY								
14.	1130	0.050	13	<0.5	<1	<25	<2	<8
JUN								
04.	1143	<0.030	4.7	<0.5	<1	<25	<2	<8
JUL								
16.	1045	<0.030	4.1	<0.5	--	<25	<2	--
AUG								
06.	1025	0.100	4.3	<0.5	<1	<25	<2	--
13.	0545	<0.030	5.6	<0.5	<1	<25	<2	<8
SEP								
03.	1115	<0.030	5.3	<0.5	<1	<25	<2	--

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARKANSAS

LOCATION.--Lat 34°02'34", long 93°41'02", in SE¼NE¼ sec.20, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 301, 0.3 mi northwest of Crater of Diamonds State Park, and 1.0 mi above confluence with Little Missouri River.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
23.	1152	9827	9827	6.9	14.0	9.3	2.0	12	4.0
NOV									
13.	1030	9827	9827	6.8	13.0	9.3	2.7	12	8.0
DEC									
11.	1020	9827	9827	6.8	11.0	11.6	6.8	6	0.50
FEB									
19.	1020	9827	9827	6.7	13.0	10.2	2.5	10	5.0
MAR									
12.	1031	9827	9827	6.8	17.0	10.9	2.0	6	3.0
APR									
09.	1150	9827	9827	7.0	21.0	9.5	2.4	14	7.0
MAY									
14.	1120	9827	9827	6.5	27.0	5.3	2.0	22	7.0
JUN									
04.	1130	9827	9827	6.6	29.0	8.4	4.1	8	2.0
JUL									
16.	1020	9827	9827	6.9	30.0	7.2	3.2	16	3.0
AUG									
06.	1010	9827	9827	7.7	30.0	8.4	3.2	48	2.0
SEP									
03.	1055	9827	9827	6.8	27.0	6.3	2.8	10	1.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
23.	1152	3.8	37	2	0.240	<0.050	0.63	0.030
NOV								
13.	1030	7.0	39	2	0.080	<0.050	0.53	--
DEC								
11.	1020	4.9	42	2	0.120	<0.050	0.29	<0.030
FEB								
19.	1020	2.7	42	10	0.170	<0.050	0.54	0.060
MAR								
12.	1031	2.5	24	2	0.170	<0.050	0.40	<0.030
APR								
09.	1150	3.5	30	6	<0.020	<0.050	0.55	0.050
MAY								
14.	1120	25	78	20	0.070	0.190	1.1	0.150
JUN								
04.	1130	2.8	30	2	0.150	0.080	0.86	0.040
JUL								
16.	1020	3.0	37	5	0.070	0.130	0.57	--
AUG								
06.	1010	4.3	69	2	0.070	<0.050	--	0.070
SEP								
03.	1055	9.4	35	--	0.040	<0.050	1.1	0.080

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
23.	1152	<0.030	3.1	<0.5	<1	<25	<2	<8
NOV								
13.	1030	<0.030	4.1	<0.5	<1	<25	<2	<8
DEC								
11.	1020	<0.030	2.3	<0.5	<1	<25	<2	<8
FEB								
19.	1020	<0.030	6.5	<0.5	--	<25	<2	--
MAR								
12.	1031	<0.030	2.6	<0.5	<1	<25	--	<8
APR								
09.	1150	<0.030	3.6	<0.5	<1	<25	<2	--
MAY								
14.	1120	0.060	13	<0.5	<1	<25	<2	<8
JUN								
04.	1130	<0.030	5.0	<0.5	<1	<25	<2	<8
JUL								
16.	1020	0.060	3.2	<0.5	--	<25	<2	--
AUG								
06.	1010	<0.030	4.3	<0.5	<1	<25	<2	--
SEP								
03.	1055	<0.030	5.3	<0.5	<1	<25	<2	--

07361500 ANTOINE RIVER AT ANTOINE, ARKANSAS

LOCATION.--Lat 34°02'20", long 93°25'05", in NW¼NW¼ 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). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--Records good, except for estimated daily discharges, Oct. 3-17, which are poor.

AVERAGE DISCHARGE.--37 years, 285 ft³/s, 21.74 in/yr, 206,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft³/s May 2, 1958, gage height, 28.75 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 18	1000	6,580	18.68	Apr. 13	2200	*12,000	*22.37
Jan. 06	1400	6,450	18.53				

No flow Aug. 11-13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	13	72	e792	149	1610	193	525	115	3.1	11	7.4
2	.77	11	71	592	137	1160	161	355	92	2.3	6.3	14
3	e.88	9.9	576	455	129	724	147	2740	73	1.8	3.7	34
4	e424	8.9	353	356	127	511	153	2100	60	5.2	2.2	63
5	e256	9.6	241	307	224	407	127	1920	50	4.5	1.3	79
6	e67	8.4	193	4100	391	344	106	1020	45	2.8	.83	75
7	e209	8.7	151	2390	305	276	102	635	39	3.9	.61	e52
8	e2440	13	113	1170	263	238	117	432	33	2.2	.36	e40
9	e2740	120	90	832	239	209	116	348	29	1.3	.18	e35
10	e2900	201	78	2900	220	184	108	310	26	.90	.15	e29
11	e1250	122	66	2100	199	165	88	319	28	.73	.01	e25
12	e815	87	58	1220	179	158	1890	368	25	.64	.00	e21
13	e538	70	54	851	172	139	4900	248	24	.58	.12	e17
14	e314	61	48	648	154	118	5560	204	22	.66	.91	e14
15	e187	51	44	2540	124	108	1510	385	19	.56	2.1	e9.7
16	e115	44	62	1820	110	101	891	1070	32	.51	1.6	e7.5
17	e93	38	471	1010	129	179	594	468	36	.55	2.4	e6.9
18	61	34	5060	766	529	237	466	318	63	.56	2.4	e3.8
19	67	32	1700	802	1250	155	367	258	38	1.7	3.4	3.0
20	45	30	928	718	663	129	273	245	26	1.7	2.9	1.9
21	46	28	2720	526	464	118	225	234	20	1.1	3.1	1.3
22	71	32	2630	435	1680	117	224	206	16	.72	3.2	1.2
23	65	40	e1260	381	1370	118	225	180	21	.53	3.0	3.0
24	45	48	e935	333	841	103	180	159	14	.64	6.6	3.1
25	35	42	e658	288	592	88	153	955	12	1.9	8.9	2.3
26	28	35	592	260	447	84	150	603	9.0	7.5	6.9	1.9
27	24	34	474	244	362	85	316	345	8.9	37	5.6	1.8
28	21	160	1500	226	311	125	914	258	8.1	29	4.6	1.4
29	18	142	1390	208	---	217	2360	209	6.0	92	4.0	.99
30	16	90	1140	193	---	311	901	177	4.3	49	3.7	.82
31	14	---	1450	172	---	225	---	146	---	20	4.5	---
TOTAL	12906.47	1623.5	25178	29635	11760	8743	23517	17740	994.3	275.58	96.57	556.01
MEAN	416	54.1	812	956	420	282	784	572	33.1	8.89	3.12	18.5
MAX	2900	201	5060	4100	1680	1610	5560	2740	115	92	11	79
MIN	.77	8.4	44	172	110	84	88	146	4.3	.51	.00	.82
AC-FT	25600	3220	49940	58780	23330	17340	46650	35190	1970	547	192	1100
CFSM	2.34	.30	4.56	5.37	2.36	1.58	4.40	3.21	.19	.05	.02	.10
IN.	2.70	.34	5.26	6.19	2.46	1.83	4.91	3.71	.21	.06	.02	.12

CAL YR 1990 TOTAL 176748.90 MEAN 484 MAX 18600 MIN .18 AC-FT 350600 CFSM 2.72 IN. 36.94
WTR YR 1991 TOTAL 133025.43 MEAN 364 MAX 5560 MIN .00 AC-FT 263900 CFSM 2.05 IN. 27.80

e Estimated

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARKANSAS

LOCATION.--Lat 33°52'32", long 93°18'16", in NE¼ sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi northeast of Boughton, 5.9 mi downstream from Howard Creek, 10.2 mi downstream from Antoine River, and at mile 46.8.

DRAINAGE AREA.--1,068 mi².

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
FEB									
05.	1515	9827	9827	660	7.2	11.0	10.5	1.8	18
MAR									
19.	1530	9827	9827	960	7.2	15.0	11.5	1.6	12
APR									
23.	1615	9827	9827	3090	6.9	17.0	9.2	3.4	8
MAY									
21.	1530	9827	9827	800	6.8	24.0	8.1	3.3	8
JUN									
18.	1545	9827	9827	440	7.2	30.0	7.9	2.3	22
JUL									
02.	1710	9827	9827	110	7.5	33.0	7.9	3.2	34
AUG									
20.	1710	9827	9827	100	7.2	29.0	7.1	2.8	22
SEP									
17.	1450	9827	9827	140	7.1	28.0	6.2	3.2	16

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
FEB								
05.	1515	6.0	4.1	54	8	0.230	0.090	0.070
MAR								
19.	1530	5.0	3.8	42	4	--	--	0.090
APR								
23.	1615	4.0	2.5	37	17	0.170	<0.050	0.050
MAY								
21.	1530	3.0	3.3	44	13	0.100	0.110	0.060
JUN								
18.	1545	5.0	--	56	13	0.260	0.050	0.090
JUL								
02.	1710	9.0	3.5	66	8	0.060	<0.050	0.110
AUG								
20.	1710	4.0	2.9	43	3	<0.020	0.070	0.040
SEP								
17.	1450	2.0	2.4	33	6	0.080	<0.050	0.050

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
FEB								
05.	1515	<0.030	4.4	<0.5	<1	<25	<2	21
MAR								
19.	1530	0.050	5.3	--	--	--	--	--
APR								
23.	1615	0.030	5.3	<0.5	<1	<25	<2	--
MAY								
21.	1530	<0.030	5.0	<0.5	<1	<25	<2	<8
JUN								
18.	1545	<0.030	4.2	<0.5	<1	<25	<2	--
JUL								
02.	1710	0.040	4.2	<0.5	--	<25	<2	--
AUG								
20.	1710	0.030	3.8	<0.5	<1	<25	<2	--
SEP								
17.	1450	0.050	5.6	<0.5	<1	<25	<2	<8

07362000 OUACHITA RIVER AT CAMDEN, ARKANSAS
(National stream-quality accounting network station)

LOCATION.--Lat 33°35'47", long 92°49'05", in SE¼ sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of U.S. Army Corps of Engineers. Monthly discharge only, October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft above National Geodetic Vertical Datum of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug. 10, 1938, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--63 years, 7,710 ft³/s, 5,586,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft³/s Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 ft³/s Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,300 ft³/s May 1; maximum gage height, 35.24 ft Apr. 18; minimum daily discharge, 974 ft³/s July 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2160	2370	5530	25800	7940	16700	8110	54600	10600	1710	4900	3370
2	1270	3880	4590	25600	7620	18500	6470	56900	8510	2360	4320	2090
3	2210	4590	3150	23500	6290	21900	6050	50400	7600	2010	4730	2140
4	2020	4220	3710	20800	4340	24300	6330	42900	6790	2020	4320	4210
5	2630	3450	7260	18000	4900	24100	8610	40100	6730	1470	3590	6920
6	2890	4540	7180	18100	9550	19600	9580	41400	6520	1360	4190	6820
7	2740	4890	7240	24500	10400	14300	9490	44000	5860	1510	6060	5080
8	2460	4220	6630	33500	10900	11900	9200	45400	3900	1390	6370	4210
9	7470	4450	6450	42500	9610	9700	9110	40300	3000	1200	4830	4050
10	18600	6560	4680	47700	8100	8680	11700	30700	2370	1540	3990	4190
11	23300	6630	4140	45200	6620	6880	12200	24100	2050	1170	3350	4000
12	22100	5750	4540	41700	5970	6200	9970	21100	1820	1010	1660	3920
13	17800	4920	3790	39500	5890	6320	17600	19500	1690	1200	1170	4200
14	12000	4880	3790	37200	6020	5100	28300	18300	2910	1250	2060	4390
15	5990	4900	3750	33500	5790	4960	39100	17200	4240	1110	2150	4600
16	3870	4850	2950	30300	6120	4530	51300	15800	4570	974	1990	4390
17	5010	4930	1910	31500	7000	5040	57200	17400	3580	1170	2300	4260
18	5300	4540	3270	33600	5510	5600	55700	18900	4200	1420	2590	3960
19	5010	4240	13200	34500	7930	5330	48900	16900	4580	1610	2380	3430
20	4060	4350	18900	32700	14400	5610	39200	14800	5510	1510	2530	3350
21	3770	4290	20400	27200	17200	4020	30700	14500	5360	1710	2420	2140
22	4520	3930	20900	23300	19100	3510	25300	14800	3620	1410	2620	1850
23	6480	4070	23000	19900	23600	2780	22500	15500	2450	1160	2820	1330
24	7510	3060	24800	17200	30800	2590	20800	14900	2440	1660	2440	1400
25	6180	2840	24600	15300	35600	3070	18900	14600	2050	2580	2330	992
26	3910	2200	22200	13300	34100	3690	16700	17600	1750	2490	2460	1150
27	4240	1660	18600	12200	27400	3230	15300	21700	1960	1860	2330	1100
28	3620	4120	19700	10500	19900	3840	15400	22000	1860	1670	2460	1070
29	2490	5700	22500	8570	---	5060	24100	18500	1450	1980	2820	1190
30	1950	6630	23800	8570	---	7680	40300	15700	1840	5050	3180	1090
31	2430	---	24700	7820	---	9020	---	13000	---	5240	3070	---
TOTAL	195990	131660	361860	803560	358600	273740	674120	813500	121810	55804	98430	96892
MEAN	6322	4389	11670	25920	12810	8830	22470	26240	4060	1800	3175	3230
MAX	23300	6630	24800	47700	35600	24300	57200	56900	10600	5240	6370	6920
MIN	1270	1660	1910	7820	4340	2590	6050	13000	1450	974	1170	992
AC-FT	388700	261100	717700	1594000	711300	543000	1337000	1614000	241600	110700	195200	192200

CAL YR 1990 TOTAL 4413140 MEAN 12090 MAX 104000 MIN 1040 AC-FT 8753000
WTR YR 1991 TOTAL 3985966 MEAN 10920 MAX 57200 MIN 974 AC-FT 7906000

07362000 OUACHITA RIVER AT CAMDEN, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to September 1981.
WATER TEMPERATURES: July 1976 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAM- PLING DEPTH (FEET) (00003)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC											
12...	0830	80513	80020	--	--	--	75	7.2	8.5	12.2	104
MAR											
06...	0915	80513	80020	--	--	--	47	6.4	10.0	10.8	98
APR											
03...	1130	80513	80513	625	2.50	12.0	78	6.8	16.0	9.0	91
03...	1131	80513	80513	625	9.50	12.0	77	6.8	16.0	9.0	91
03...	1133	80513	80513	656	2.00	10.0	77	6.7	16.0	8.9	90
03...	1134	80513	80513	656	8.00	10.0	76	6.6	16.0	8.8	90
03...	1136	80513	80513	687	1.50	8.00	76	6.6	16.0	8.8	90
03...	1137	80513	80513	687	6.50	8.00	76	6.5	16.0	8.8	89
03...	1139	80513	80513	718	2.00	9.00	76	6.5	16.0	8.8	89
03...	1140	80513	80513	718	7.00	9.00	76	6.4	16.0	8.8	89
03...	1142	80513	80513	749	2.00	11.0	76	6.5	16.0	8.8	89
03...	1143	80513	80513	749	9.00	11.0	76	6.4	16.0	8.8	89
03...	1144	80513	80513	780	2.00	10.0	76	6.5	16.0	8.7	89
03...	1145	80513	80513	780	8.00	10.0	75	6.4	16.0	8.7	88
03...	1147	80513	80513	811	3.00	14.0	76	6.4	16.0	8.7	88
03...	1148	80513	80513	811	11.0	14.0	75	6.4	16.0	8.7	88
03...	1150	80513	80513	842	3.50	18.0	76	6.5	16.0	8.7	88
03...	1151	80513	80513	842	14.5	18.0	75	6.4	16.0	8.7	88
03...	1153	80513	80513	874	3.00	16.0	76	6.4	16.0	8.7	88
03...	1154	80513	80513	874	13.0	16.0	75	6.4	16.0	8.7	88
03...	1156	80513	80513	904	2.50	12.0	76	6.5	16.0	8.7	88
03...	1157	80513	80513	904	9.50	12.0	75	6.5	16.0	8.7	88

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
DEC											
12...	0830	4600	6.0	K8	21	21	8	6.1	1.5	6.4	38
MAR											
06...	0915	20900	20	110	94	16	4	4.9	0.96	2.7	25

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
DEC											
12...	0830	0.6	1.4	13	0	17	14	8.2	7.9	0.10	6.0
MAR											
06...	0915	0.3	1.1	12	0	15	12	4.6	2.9	<0.10	6.5

07362000 OUACHITA RIVER AT CAMDEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC											
12...	0830	48	48	596	0.06	0.380	0.030	0.020	0.400	0.400	0.110
MAR											
06...	0915	43	32	2430	0.06	--	0.020	<0.010	0.083	0.077	0.030

DATE	TIME	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
DEC											
12...	0830	0.090	0.29	0.40	0.020	0.030	0.020	<0.010	50	<1	24
MAR											
06...	0915	0.030	0.37	0.40	0.030	<0.010	<0.010	<0.010	170	<1	20

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
DEC											
12...	0830	<0.5	<1.0	<1	<3	4	160	2	<4	31	<0.1
MAR											
06...	0915	<0.5	<1.0	<1	<3	3	250	1	<4	32	<0.1

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC											
12...	0830	<10	1	<1	<1.0	42	25	7	9	112	96
MAR											
06...	0915	<10	1	<1	<1.0	41	<6	8	15	846	98

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY											
15.	1330	80513	80020	67	6.9	18.5	7.7	83	17200	8.8	80
JUL											
10.	0930	80513	80020	65	7.3	29.5	8.5	112	1740	12	K15

07362000 OUACHITA RIVER AT CAMDEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT FET FIELD MG/L AS CACO3 (00418)
MAY											
15.	1330	320	19	3	5.5	1.3	2.8	23	0.3	1.0	16
JUL											
10.	0930	42	20	5	5.5	1.5	4.6	32	0.4	1.3	15

DATE	TIME	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
MAY											
15.	1330	0	20	16	4.2	2.1	<0.10	5.9	44	34	2040
JUL											
10.	0930	0	18	15	4.0	6.1	<0.10	6.8	77	40	362

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY											
15.	1330	0.06	0.140	0.010	0.020	0.150	0.160	0.040	0.050	0.46	0.50
JUL											
10.	0930	0.10	0.064	<0.010	0.010	0.096	0.074	0.020	0.030	0.68	0.70

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
MAY										
15.	1330	0.060	0.030	<0.010	<0.010	120	<2	23	<0.5	1.0
JUL										
10.	0930	0.040	0.020	0.010	<0.010	70	<1	30	<0.5	<1.0

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
MAY										
15.	1330	<1	<3	1	320	<1	<4	49	<0.1	<10
JUL										
10.	0930	<1	<3	3	510	2	<4	130	<0.1	<10

07362000 OUACHITA RIVER AT CAMDEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY										
15.	1330	1	<1	<1.0	40	<6	30	24	1110	90
JUL										
10.	0930	<1	<1	<1.0	60	<6	13	19	89	81

07362065 OUACHITA RIVER BELOW CAMDEN, ARKANSAS

LOCATION.--Lat 33°29'03", long 92°45'11", in NE¼SE¼ sec.20, T.14 S., R.16 W., Ouachita County, Hydrologic Unit 08040201, at Frenchport Landing, 7.5 mi southeast of Camden, 6.5 mi downstream from Two Bayou Creek, and at mi 339.2.

DRAINAGE AREA.--5,676 mi².

PERIOD OF RECORD.--July 1969 to September 1972, November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	1215	9827	9827	3870	6.7	18.0	7.1	1.1	24
NOV									
06.	1315	9827	9827	4540	7.1	15.0	8.6	0.6	20
DEC									
11.	1330	9827	9827	4140	7.2	11.0	10.4	0.6	20
JAN									
22.	1100	9827	9827	23300	6.7	6.0	9.5	0.9	20
FEB									
19.	1015	9827	9827	7930	7.3	11.0	10.0	2.3	22
MAR									
26.	1015	9827	9827	3690	6.9	19.0	8.0	0.9	28
APR									
16.	1015	9827	9827	51300	6.7	18.0	6.1	1.6	22
MAY									
21.	1020	9827	9827	14500	6.7	22.0	4.9	2.9	24
JUN									
18.	1030	9827	9827	4200	7.0	27.0	7.1	1.4	20
JUL									
16.	0945	9827	9827	977	6.9	22.0	6.4	1.6	22
AUG									
20.	1000	9827	9827	2530	7.3	25.0	8.7	2.9	20
SEP									
17.	1015	9827	9827	4260	7.2	25.0	8.0	1.5	18

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
16.	1215	8.0	4.9	61	26	0.150	<0.050	0.66	0.070
NOV									
06.	1315	7.0	6.4	49	12	0.230	0.060	0.46	0.080
DEC									
11.	1330	2.0	7.8	--	9	0.250	0.100	0.54	0.030
JAN									
22.	1100	8.0	3.6	57	1	0.140	<0.050	0.54	--
FEB									
19.	1015	8.0	5.2	63	32	0.150	0.070	0.68	0.070
MAR									
26.	1015	9.0	6.4	71	8	0.050	0.100	0.26	0.060
APR									
16.	1015	9.0	4.7	64	--	0.100	0.090	0.67	--
MAY									
21.	1020	6.0	3.9	67	44	0.120	0.060	0.66	0.090
JUN									
18.	1030	7.0	4.5	57	21	0.300	0.090	0.63	0.070
JUL									
16.	0945	8.0	6.3	66	6	0.070	0.100	0.57	0.150
AUG									
20.	1000	6.0	4.0	53	6	0.080	<0.050	0.53	0.030
SEP									
17.	1015	8.0	3.4	42	15	0.370	<0.050	0.52	0.040

07362065 OUACHITA RIVER BELOW CAMDEN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1215	<0.030	9.0	<0.5	<1	<25	<2	--
NOV								
06.	1315	<0.030	3.9	<0.5	<1	<25	<2	<8
DEC								
11.	1330	<0.030	4.5	<0.5	<1	<25	<2	--
JAN								
22.	1100	<0.030	6.4	<0.5	<1	<25	<2	--
FEB								
19.	1015	<0.030	6.0	<0.5	<1	<25	<2	--
MAR								
26.	1015	0.040	5.5	<0.5	<1	<25	<2	16
APR								
16.	1015	0.040	11	<0.5	<1	<25	<2	<8
MAY								
21.	1020	<0.030	8.4	<0.5	<1	<25	<2	--
JUN								
18.	1030	0.030	5.0	<0.5	<1	<25	<2	--
JUL								
16.	0945	<0.030	4.1	<0.5	<1	<25	<2	<8
AUG								
20.	1000	<0.030	4.3	<0.5	<1	<25	<2	<8
SEP								
17.	1015	0.030	4.3	<0.5	<1	<25	<2	<8

07362100 SMACKOVER CREEK NEAR SMACKOVER, ARKANSAS

LOCATION.--Lat 33°22'33", long 92°46'37", in NW¼SE¼ sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft above National Geodetic Vertical Datum 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.--Records fair.

AVERAGE DISCHARGE.--30 years, 439 ft^3/s, 15.81 in/yr, 318,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft^3/s June 8, 1974, gage height, 24.97 ft, from rating curve extended above 31,000 ft^3/s; no flow for part of Aug. 9, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 11	2200	3,400	a14.35	Apr. 15	1000	13,900	a19.40
Feb. 24	0800	6,110	a16.30	Apr. 29	1800	*29,300	*a22.66
Mar. 03	0900	2,580	a13.50	May 05	1500	6,020	a16.25

a from graph based on gage readings

Minimum daily discharge, 7.0 ft^3/s Aug. 24-26, 29-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	26	280	1570	265	1390	1450	4080	325	42	39	9.4
2	13	25	175	1300	235	2200	1120	2610	265	38	26	12
3	15	22	145	904	219	2480	707	2560	128	40	18	19
4	58	21	135	578	245	2140	517	4170	102	82	16	27
5	122	24	139	406	614	1690	1040	5910	150	131	16	43
6	112	27	142	394	1200	1140	1560	4990	107	175	16	82
7	71	26	118	804	1490	705	2070	3040	112	171	14	113
8	44	47	106	926	1440	463	2060	2240	110	109	17	110
9	49	166	96	1270	1240	371	1410	1780	106	71	16	69
10	100	408	82	1920	821	306	2090	1200	115	69	15	44
11	132	460	82	3080	488	288	3590	1010	85	57	18	51
12	182	543	85	3180	379	287	2960	766	95	36	20	45
13	115	319	80	2630	313	278	2850	450	102	26	21	38
14	64	80	79	2270	288	242	10100	435	84	23	21	30
15	45	74	77	2260	261	218	12500	390	86	19	19	24
16	33	61	111	2680	224	225	7220	704	110	17	16	19
17	29	53	287	2550	231	260	3510	736	112	19	13	20
18	26	48	442	2670	603	272	2390	679	171	19	13	67
19	21	47	515	2320	1240	249	1920	442	162	16	12	50
20	27	44	411	1920	3570	222	1720	298	102	21	13	55
21	166	45	520	1510	3370	210	1460	515	84	16	8.7	33
22	286	46	777	1210	3310	203	1100	897	139	16	8.0	23
23	323	64	719	907	4910	194	1720	978	175	19	7.4	20
24	244	87	714	681	5670	179	1960	815	96	16	7.0	20
25	126	78	684	510	3660	158	1780	935	87	14	7.0	30
26	77	104	654	422	2480	154	1460	1190	71	14	7.0	31
27	58	109	710	373	1880	155	1330	1050	57	24	7.4	28
28	44	384	1250	345	1460	221	6760	1040	50	23	7.4	26
29	35	492	1600	329	---	975	26300	864	43	50	7.0	21
30	28	407	1450	318	---	1390	15700	498	43	61	7.0	17
31	27	---	1600	310	---	1590	---	401	---	51	8.0	---
TOTAL	2685	4337	14265	42547	42106	20855	122354	47673	3474	1485	440.9	1176.4
MEAN	86.6	145	460	1372	1504	673	4078	1538	116	47.9	14.2	39.2
MAX	323	543	1600	3180	5670	2480	26300	5910	325	175	39	113
MIN	13	21	77	310	219	154	517	298	43	14	7.0	9.4
AC-FT	5330	8600	28290	84390	83520	41370	242700	94560	6890	2950	875	2330
CFSM	.22	.38	1.20	3.56	3.91	1.75	10.6	3.99	.30	.12	.04	.10
IN.	.26	.42	1.38	4.11	4.07	2.02	11.82	4.61	.34	.14	.04	.11

CAL YR 1990 TOTAL 323368.4 MEAN 886 MAX 27800 MIN 4.8 AC-FT 641400 CFSM 2.30 IN. 31.24
WTR YR 1991 TOTAL 303398.3 MEAN 831 MAX 26300 MIN 7.0 AC-FT 601800 CFSM 2.16 IN. 29.32

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARKANSAS

LOCATION.--Lat 33°22'46", long 92°43'09", in NE¼ sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi north of Smackover.

DRAINAGE AREA.--411 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	1145	9827	9827	35	6.3	19.0	7.1	0.9	80
NOV									
06.	1230	9827	9827	29	6.2	14.0	6.0	0.6	120
DEC									
11.	1400	9827	9827	88	6.3	18.0	9.5	1.1	72
JAN									
22.	1030	9827	9827	1290	5.9	5.0	9.5	1.0	28
FEB									
19.	0940	9827	9827	1330	5.9	13.0	7.9	1.4	44
MAR									
26.	0748	9827	9827	165	6.6	19.0	6.9	0.9	58
APR									
16.	0945	9827	9827	7720	5.8	18.0	6.1	1.3	8
MAY									
21.	0945	9827	9827	551	5.9	23.0	6.4	2.5	58
JUN									
18.	0945	9827	9827	183	6.6	26.0	4.6	1.3	66
JUL									
16.	0915	9827	9827	18	6.3	26.0	2.7	1.0	110
AUG									
20.	0930	9827	9827	14	6.5	26.0	4.0	1.7	96
SEP									
17.	0945	9827	9827	21	6.7	26.0	3.6	0.8	86

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	1145	10	220	425	12	0.120	0.070	0.050
NOV								
06.	1230	6.0	280	672	14	0.070	0.090	0.080
DEC								
11.	1400	3.0	160	--	8	0.040	0.070	0.060
JAN								
22.	1030	8.0	49	150	8	0.030	<0.050	--
FEB								
19.	0940	9.0	87	229	32	0.040	<0.050	0.080
MAR								
26.	0748	9.0	110	269	11	<0.020	0.050	0.050
APR								
16.	0945	9.0	8.6	77	--	0.050	0.060	--
MAY								
21.	0945	7.0	120	300	28	0.090	0.180	0.060
JUN								
18.	0945	6.0	140	348	16	0.160	0.110	0.090
JUL								
16.	0915	7.0	210	537	13	0.140	0.180	0.110
AUG								
20.	0930	5.0	240	592	6	0.060	<0.050	0.050
SEP								
17.	0945	4.0	220	432	7	0.100	0.050	0.030

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1145	<0.030	9.9	<0.5	4	<25	<2	--
NOV								
06.	1230	<0.030	7.2	<0.5	<1	<25	<2	17
DEC								
11.	1400	0.030	7.2	<0.5	<1	<25	2	--
JAN								
22.	1030	<0.030	8.6	0.8	<1	<25	<2	--
FEB								
19.	0940	<0.030	14	0.5	<1	<25	<2	--
MAR								
26.	0748	0.050	8.2	<0.5	<1	<25	<2	31
APR								
16.	0945	<0.030	15	<0.5	<1	<25	<2	<8
MAY								
21.	0945	<0.030	12	<0.5	<1	<25	<2	--
JUN								
18.	0945	0.050	8.9	<0.5	<1	<25	<2	--
JUL								
16.	0915	<0.030	8.8	<0.5	<1	<25	<2	12
AUG								
20.	0930	<0.030	7.7	<0.5	<1	<25	<2	29
SEP								
17.	0945	0.040	8.4	<0.5	<1	<25	<2	19

07362480 JUG CREEK NEAR FORDYCE, ARKANSAS

LOCATION.--Lat 33°49'29", long 92°23'13", in NE¼NW¼ sec.25, T.10 S., R.13 W., Dallas County, Hydrologic Unit 08040201, at bridge on county road 1.3 mi northeast of Fordyce.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
02.	1120	9827	9827	7.8	22.0	0.6	6.6	80	25
30.	1046	9827	9827	7.6	14.0	2.8	7.0	88	27
NOV									
27.	1101	9827	9827	7.6	19.0	0.8	--	86	28
JAN									
02.	1020	9827	9827	7.6	5.0	9.1	--	66	23
FEB									
12.	0942	9827	9827	7.3	10.0	4.6	--	80	31
MAR									
12.	0839	9827	9827	7.3	13.0	3.4	6.8	74	26
APR									
02.	0845	9827	9827	7.3	14.0	3.4	11	70	24
MAY									
14.	0846	9827	9827	7.4	24.0	1.7	--	46	19
JUN									
18.	0829	9827	9827	7.2	25.0	1.7	--	52	16
JUL									
09.	1054	9827	9827	7.6	26.0	1.2	9.2	76	15
AUG									
06.	0838	9827	9827	7.8	26.0	0.3	12	56	19
SEP									
03.	0958	9827	9827	7.6	26.0	1.0	10	96	26

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1120	63	407	21	<0.020	5.30	12	7.30
30.	1046	56	--	12	0.770	2.40	2.9	5.20
NOV								
27.	1101	55	358	13	0.030	10.2	--	5.00
JAN								
02.	1020	32	230	17	0.220	--	1.4	--
FEB								
12.	0942	92	341	14	0.550	3.30	3.7	1.70
MAR								
12.	0839	34	242	14	0.750	4.76	6.4	1.85
APR								
02.	0845	29	245	21	0.520	5.95	--	2.25
MAY								
14.	0846	25	221	30	0.360	--	0.44	1.13
JUN								
18.	0829	17	175	24	0.110	1.01	3.5	1.32
JUL								
09.	1054	67	336	26	<0.020	2.85	3.9	3.38
AUG								
06.	0838	52	332	26	0.020	2.51	4.3	3.60
SEP								
03.	0958	44	343	11	<0.020	7.90	8.9	4.04

07362480 JUG CREEK NEAR FORDYCE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1120	--	26	<0.5	<1	<25	<2	<8
30.	1046	4.60	20	--	<1	<25	<2	<8
NOV								
27.	1101	4.45	25	<0.5	<1	<25	<2	<8
JAN								
02.	1020	0.960	22	<0.5	<1	<25	<2	11
FEB								
12.	0942	1.37	15	<0.5	<1	<25	<2	11
MAR								
12.	0839	1.29	13	<0.5	<1	<25	<2	13
APR								
02.	0845	1.76	17	<0.5	<1	<25	<2	9
MAY								
14.	0846	1.10	17	<0.5	<1	<25	<2	<8
JUN								
18.	0829	1.07	21	<0.5	<1	<25	--	<8
JUL								
09.	1054	2.37	21	<0.5	<1	<25	<2	<8
AUG								
06.	0838	2.40	21	<0.5	<1	<25	<2	<8
SEP								
03.	0958	3.40	19	<0.5	<1	<25	--	<8

07362550 MORO CREEK NEAR BANKS, ARKANSAS

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--April 1974 to September 1978, October 1979 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	0300	9827	9827	78	6.2	18.0	8.0	2.5	14
NOV									
06.	1445	9827	9827	0.0	6.4	13.0	6.3	0.8	14
JAN									
22.	0915	9827	9827	620	6.1	4.0	10.2	1.0	12
FEB									
05.	0915	9827	9827	14	6.5	11.0	9.3	1.3	14
MAR									
12.	0845	9827	9827	--	6.3	14.0	8.1	0.8	10
APR									
02.	0830	9827	9827	220	6.4	14.0	7.8	1.6	16
MAY									
07.	0845	9827	9827	--	6.3	19.0	6.5	0.6	1
JUN									
04.	0815	9827	9827	--	6.3	26.0	3.7	2.9	18
JUL									
02.	0815	9827	9827	--	6.8	28.0	3.0	1.6	18
AUG									
06.	0815	9827	9827	--	7.0	28.0	1.9	2.2	44
SEP									
03.	0845	9827	9827	--	6.8	27.0	2.3	2.0	24

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
16.	0300	10	3.6	68	12	0.060	<0.050	0.060
NOV								
06.	1445	10	4.5	73	6	<0.020	<0.050	0.090
JAN								
22.	0915	7.0	3.5	61	4	<0.020	<0.050	--
FEB								
05.	0915	11	5.0	55	6	<0.020	<0.050	0.070
MAR								
12.	0845	7.0	3.3	51	8	0.020	0.210	--
APR								
02.	0830	6.0	6.0	69	12	<0.020	<0.050	0.110
MAY								
07.	0845	6.0	--	52	8	<0.020	0.120	0.070
JUN								
04.	0815	6.0	--	76	18	0.300	0.100	0.150
JUL								
02.	0815	9.0	5.0	83	11	0.190	0.050	0.160
AUG								
06.	0815	4.0	6.0	74	--	<0.020	<0.050	0.070
SEP								
03.	0845	3.0	10	55	7	0.030	0.050	0.110

07362550 MORO CREEK NEAR BANKS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	0300	<0.030	19	<0.5	2	<25	<2	--
NOV								
06.	1445	<0.030	14	<0.5	<1	<25	<2	14
JAN								
22.	0915	<0.030	12	<0.5	<1	<25	<2	--
FEB								
05.	0915	<0.030	6.8	<0.5	<1	<25	<2	<8
MAR								
12.	0845	0.040	12	<0.5	<1	<25	<2	47
APR								
02.	0830	0.040	14	<0.5	<1	<25	<2	16
MAY								
07.	0845	0.030	14	<0.5	<1	<25	<2	<8
JUN								
04.	0815	0.030	14	<0.5	<1	<25	<2	<8
JUL								
02.	0815	--	14	<0.5	<1	<25	<2	17
AUG								
06.	0815	<0.030	12	<0.5	<1	<25	<2	--
SEP								
03.	0845	<0.030	11	<0.5	<1	<25	2	--

07363002 SALINE RIVER WEST OF BENTON, ARKANSAS

LOCATION.--Lat 34°33'46', long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 downstream from confluence of North Fork and Alum Fork, and at mile 197.7.

DRAINAGE AREA.--550 mi^2.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	1233	9827	9827	197	7.6	19.0	8.5	0.6	46
NOV									
13.	1236	9827	9827	446	7.6	14.0	10.1	2.2	62
DEC									
11.	1240	9827	9827	422	7.8	9.0	11.8	0.4	56
JAN									
22.	0825	9827	9827	1090	7.5	4.0	11.7	0.6	42
FEB									
19.	0814	9827	9827	477	7.5	10.0	10.1	1.8	44
MAR									
26.	0814	9827	9827	344	7.7	17.0	9.0	1.4	62
APR									
16.	0820	9827	9827	2730	7.4	16.0	8.8	1.2	32
MAY									
07.	0816	9827	9827	906	7.5	17.0	8.8	1.1	42
JUN									
04.	0840	9827	9827	182	7.5	26.0	8.1	2.0	56
JUL									
02.	0813	9827	9827	70	7.7	28.0	7.4	1.8	60
30.	0816	9827	9827	160	7.7	26.0	7.6	1.6	56
SEP									
17.	0830	9827	9827	86	7.7	26.0	7.5	1.4	54

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
16.	1233	5.0	3.3	63	5	0.130	<0.050	0.24	0.030
NOV									
13.	1236	9.0	6.3	84	3	0.060	<0.050	0.34	0.090
DEC									
11.	1240	7.0	4.3	71	2	0.040	<0.050	0.26	<0.030
JAN									
22.	0825	6.0	2.3	60	4	0.180	<0.050	0.26	0.050
FEB									
19.	0814	7.0	2.8	76	4	0.130	0.050	0.60	0.090
MAR									
26.	0814	6.0	2.8	78	1	<0.020	0.130	<0.20	0.030
APR									
16.	0820	5.0	3.4	57	14	0.170	0.050	0.58	0.040
MAY									
07.	0816	5.0	1.3	63	7	0.020	<0.050	0.40	0.050
JUN									
04.	0840	5.0	2.2	66	5	<0.020	<0.050	0.32	0.080
JUL									
02.	0813	4.0	2.7	75	4	<0.020	<0.050	0.55	0.060
30.	0816	5.0	2.2	73	5	0.040	0.050	0.27	--
SEP									
17.	0830	5.0	2.4	64	21	0.040	<0.050	0.38	0.070

07363002 SALINE RIVER WEST OF BENTON, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1233	<0.030	3.3	<0.5	<1	<25	<2	<8
NOV								
13.	1236	<0.030	3.4	<0.5	<1	<25	<2	<8
DEC								
11.	1240	<0.030	2.0	<0.5	<1	<25	<2	<8
JAN								
22.	0825	<0.030	2.4	<0.5	<1	<25	2	<8
FEB								
19.	0814	<0.030	6.4	<0.5	<1	<25	<2	<8
MAR								
26.	0814	<0.030	2.2	<0.5	<1	<25	<2	--
APR								
16.	0820	<0.030	3.3	<0.5	<1	<25	<2	<8
MAY								
07.	0816	<0.030	2.8	<0.5	--	<25	<2	<8
JUN								
04.	0840	<0.030	2.5	<0.5	--	<25	<2	--
JUL								
02.	0813	0.030	2.4	<0.5	<1	<25	<2	<8
30.	0816	0.070	3.9	<0.5	<1	<25	<2	12
SEP								
17.	0830	0.060	3.4	<0.5	<1	<25	<2	<8

07363054 SALINE RIVER NEAR SHAW, ARKANSAS

LOCATION.--Lat 34°29'56", long 92°33'46", in NW¼NW¼ sec.1, T.3 S., R.15 W., Saline County, Hydrologic Unit 08040203, at Shaw Bridge, 2.0 mi west of Shaw, and 2.0 mi east of Dotted Lake.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
16.	1304	9827	9827	247	7.4	20.0	8.0	0.6	44
NOV									
13.	1311	9827	9827	446	7.6	14.0	10.0	0.9	66
DEC									
11.	1316	9827	9827	446	7.7	9.0	11.3	0.5	50
JAN									
22.	0850	9827	9827	1130	7.4	4.0	11.4	0.7	40
22.	1030	9827	9827	1130	7.3	4.0	10.7	1.2	26
FEB									
19.	0845	9827	9827	1740	7.6	10.0	9.8	2.0	48
MAR									
26.	0847	9827	9827	370	7.6	18.0	8.5	1.5	64
APR									
16.	0855	9827	9827	2730	7.3	16.0	8.4	1.2	32
MAY									
07.	0858	9827	9827	915	7.4	18.0	8.1	0.5	18
JUN									
04.	0914	9827	9827	198	7.5	27.0	6.5	0.7	50
JUL									
02.	0900	9827	9827	78	7.5	28.0	6.7	1.9	56
30.	0850	9827	9827	168	7.6	26.0	6.7	1.8	50
SEP									
17.	0900	9827	9827	91	7.5	26.0	7.0	1.6	52

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
16.	1304	81	4.5	179	11	0.250	<0.050	0.45	0.080
NOV									
13.	1311	49	7.1	133	6	0.190	<0.050	0.35	0.120
DEC									
11.	1316	49	5.3	133	5	0.130	<0.050	0.29	0.070
JAN									
22.	0850	36	2.8	97	5	0.230	<0.050	0.22	0.050
22.	1030	44	3.6	128	7	0.120	<0.050	--	0.050
FEB									
19.	0845	26	3.3	100	92	0.130	0.050	0.64	0.150
MAR									
26.	0847	43	3.6	121	7	0.070	<0.050	<0.20	0.050
APR									
16.	0855	34	3.7	95	23	0.170	0.070	0.44	0.040
MAY									
07.	0858	32	1.9	95	14	0.060	<0.050	0.46	0.060
JUN									
04.	0914	32	3.0	110	8	0.170	<0.050	0.34	0.120
JUL									
02.	0900	22	3.7	110	9	0.210	<0.050	0.62	0.110
30.	0850	40	2.8	123	11	0.280	0.060	0.31	--
SEP									
17.	0900	43	3.4	116	8	0.270	<0.050	0.38	0.110

07363054 SALINE RIVER NEAR SHAW, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16.	1304	0.050	4.0	<0.5	<1	<25	<2	<8
NOV								
13.	1311	0.050	3.6	<0.5	<1	<25	<2	<8
DEC								
11.	1316	0.030	2.5	<0.5	<1	<25	<2	<8
JAN								
22.	0850	<0.030	2.8	<0.5	<1	<25	<2	<8
22.	1030	<0.030	7.4	<0.5	<1	<25	<2	<8
FEB								
19.	0845	0.030	6.5	<0.5	<1	<25	<2	<8
MAR								
26.	0847	0.030	3.4	<0.5	<1	<25	<2	--
APR								
16.	0855	<0.030	3.9	<0.5	<1	<25	<2	<8
MAY								
07.	0858	<0.030	3.5	<0.5	--	<25	<2	<8
JUN								
04.	0914	0.040	2.5	<0.5	--	<25	<2	--
JUL								
02.	0900	0.060	2.8	<0.5	<1	<25	<2	<8
30.	0850	0.070	5.4	<0.5	<1	<25	<2	<8
SEP								
17.	0900	0.080	3.9	<0.5	<1	<25	<2	12

07363200 SALINE RIVER NEAR SHERIDAN, ARKANSAS

LOCATION.--Lat 34°06'56", long 92°24'21", in NE¼NW¼ sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi upstream from Gamble Creek, 1.6 mi downstream from Lost Creek, 2.1 mi upstream from Hurricane Creek, 13.5 mi south of Sheridan, and at mi 131.4.

DRAINAGE AREA.--1,123 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1033	9827	9827	78	7.8	23.0	7.2	0.5	44
30.	1004	9827	9827	299	7.4	15.0	9.2	1.0	40
NOV									
27.	1017	9827	9827	333	7.5	18.0	7.9	0.3	38
JAN									
02.	0918	9827	9827	7510	7.0	4.0	11.6	0.9	22
FEB									
12.	0835	9827	9827	1040	7.4	10.0	9.9	0.8	38
MAR									
12.	0755	9827	9827	1030	7.3	13.0	9.3	0.5	26
APR									
02.	0755	9827	9827	1970	7.1	13.0	8.2	1.3	34
MAY									
14.	0803	9827	9827	2160	7.0	22.0	5.9	0.9	30
JUN									
18.	0747	9827	9827	290	7.4	26.0	6.4	1.3	40
JUL									
09.	0751	9827	9827	130	7.6	28.0	6.2	0.7	44
AUG									
06.	0752	9827	9827	92	7.5	28.0	6.0	0.1	42
SEP									
03.	0906	9827	9827	147	7.6	26.0	7.1	1.6	36

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1033	34	5.2	112	12	0.220	0.080	0.070
30.	1004	38	5.4	116	12	0.140	0.200	0.060
NOV								
27.	1017	39	4.2	106	8	0.040	<0.050	0.080
JAN								
02.	0918	14	3.3	62	6	0.030	<0.050	--
FEB								
12.	0835	31	3.8	81	14	0.100	<0.050	0.060
MAR								
12.	0755	43	3.4	110	12	0.100	<0.050	0.070
APR								
02.	0755	13	4.5	78	16	0.020	0.080	0.050
MAY								
14.	0803	25	3.3	83	19	0.080	0.110	0.130
JUN								
18.	0747	23	4.1	91	18	0.230	0.060	0.060
JUL								
09.	0751	23	4.4	97	10	0.020	<0.050	0.060
AUG								
06.	0752	40	4.4	120	9	0.130	<0.050	0.050
SEP								
03.	0906	23	11	96	14	0.040	<0.050	0.050

07363200 SALINE RIVER NEAR SHERIDAN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1033	0.040	3.9	<0.5	<1	<25	<2	<8
30.	1004	<0.030	4.9	--	<1	<25	<2	<8
NOV								
27.	1017	0.030	5.3	<0.5	<1	<25	<2	<8
JAN								
02.	0918	<0.030	6.1	<0.5	<1	<25	<2	27
FEB								
12.	0835	<0.030	4.9	<0.5	<1	<25	<2	<8
MAR								
12.	0755	0.030	3.7	<0.5	<1	<25	<2	<8
APR								
02.	0755	0.050	10	<0.5	<1	<25	<2	17
MAY								
14.	0803	0.060	9.1	<0.5	<1	<25	<2	<8
JUN								
18.	0747	0.050	5.5	<0.5	<1	<25	<2	<8
JUL								
09.	0751	0.030	4.1	<0.5	<1	<25	<2	<8
AUG								
06.	0752	0.050	5.0	<0.5	<1	<25	<2	15
SEP								
03.	0906	0.030	4.4	<0.5	<1	<25	--	<8

07363270 HURRICANE CREEK NEAR SARDIS, ARKANSAS

LOCATION.--Lat 34°30'40', long 92°24'54", in SW¼ sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.

DRAINAGE AREA.--66.0 mi².

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	0906	9827	9827	12	8.6	21.0	7.6	0.5	140
30.	0834	9827	9827	12	7.9	12.0	9.3	0.8	150
NOV									
27.	0840	9827	9827	24	8.1	18.0	8.0	0.6	130
JAN									
22.	0940	9827	9827	133	7.3	4.0	12.0	3.2	74
FEB									
19.	0923	9827	9827	440	7.5	11.0	9.1	1.8	72
MAR									
26.	0932	9827	9827	42	7.7	17.0	8.6	1.5	120
APR									
16.	0938	9827	9827	610	7.4	16.0	8.1	1.4	46
MAY									
07.	0935	9827	9827	100	7.2	18.0	8.3	1.2	70
JUN									
04.	1000	9827	9827	15	7.5	26.0	7.9	1.7	180
JUL									
02.	0938	9827	9827	12	7.7	27.0	7.0	1.0	180
30.	0928	9827	9827	9.7	8.1	25.0	6.9	1.5	120
SEP									
17.	0950	9827	9827	12	7.7	25.0	7.4	0.9	240

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT									
02.	0906	480	11	852	8	0.340	<0.050	--	0.060
30.	0834	360	9.7	638	4	0.200	0.120	--	0.030
NOV									
27.	0840	410	9.3	709	7	0.280	0.110	--	0.030
JAN									
22.	0940	150	4.3	271	11	0.220	0.140	--	0.050
FEB									
19.	0923	120	4.8	268	110	0.280	0.100	0.74	0.180
MAR									
26.	0932	240	6.0	480	8	0.040	0.090	--	<0.030
APR									
16.	0938	71	4.6	183	23	0.150	0.120	--	0.060
MAY									
07.	0935	89	2.7	227	12	0.060	<0.050	--	0.100
JUN									
04.	1000	320	5.8	594	4	0.140	<0.050	--	0.060
JUL									
02.	0938	500	7.6	674	6	0.210	<0.050	--	0.030
30.	0928	450	11	754	8	0.270	0.060	--	--
SEP									
17.	0950	480	8.6	855	4	0.320	<0.050	--	0.010

07363270 HURRICANE CREEK NEAR SARDIS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	0906	<0.030	5.8	<0.5	<1	<25	<2	<8
30.	0834	<0.030	4.0	--	<1	<25	<2	<8
NOV								
27.	0840	<0.030	3.8	<0.5	<1	<25	<2	<8
JAN								
22.	0940	<0.030	5.0	<0.5	<1	<25	<2	<8
FEB								
19.	0923	<0.030	8.6	<0.5	<1	<25	<2	<8
MAR								
26.	0932	<0.030	6.8	<0.5	<1	<25	<2	--
APR								
16.	0938	<0.030	5.6	<0.5	<1	<25	<2	<8
MAY								
07.	0935	<0.030	5.8	<0.5	--	<25	<2	<8
JUN								
04.	1000	<0.030	3.4	<0.5	--	<25	<2	--
JUL								
02.	0938	<0.030	3.3	<0.5	<1	<25	<2	8
30.	0928	0.040	8.4	<0.5	<1	<25	<2	<8
SEP								
17.	0950	0.040	4.3	<0.5	<1	<25	<2	<8

07363300 HURRICANE CREEK NEAR SHERIDAN, ARKANSAS

LOCATION.--Lat 34°19'10", long 92°20'40", in NW¼NE¼ sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi downstream from Simpson Creek, 3.5 mi east of Sheridan, and at mile 16.9.

DRAINAGE AREA.--204 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers.)

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

AVERAGE DISCHARGE.--30 years, 238 ft^3/s, 15.84 in/yr, 172,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft^3/s Dec. 27, 1987, gage height, 16.83 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 11	1600	a*1,300	a*13.44				

a May have been higher during period of no gage-height record Apr. 10-19.

Minimum daily discharge, 7.3 cfs, Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	29	116	e280	121	309	210	e310	46	25	32	56
2	7.3	29	96	e260	119	337	155	e330	41	26	29	42
3	8.4	35	92	e250	116	369	130	e350	39	26	30	36
4	13	35	121	e260	114	386	204	391	35	26	29	66
5	14	36	123	e250	134	366	328	398	33	26	29	88
6	9.0	40	93	e430	323	331	199	396	34	27	28	62
7	9.0	40	81	e900	351	269	148	327	68	27	28	53
8	14	38	76	e730	217	214	127	196	57	27	28	42
9	149	46	70	e540	129	174	203	160	41	25	28	36
10	533	137	66	e450	127	148	e400	166	35	25	30	31
11	1150	137	65	e430	122	148	e480	185	31	25	22	28
12	964	80	63	e410	111	141	e620	175	31	24	17	24
13	435	61	60	e390	98	139	e800	143	33	24	15	22
14	114	53	60	e380	98	133	e1000	116	36	24	18	21
15	71	48	59	e370	104	122	e800	88	34	24	16	20
16	56	47	60	e360	88	120	e700	81	33	24	14	19
17	51	45	104	e350	81	120	e600	91	34	24	12	20
18	77	43	e410	e330	77	153	e500	80	30	24	11	18
19	115	43	e570	e310	258	155	e360	70	30	25	13	21
20	73	42	e950	e290	368	128	273	63	27	25	19	16
21	59	41	e1000	e250	366	116	194	65	21	26	20	14
22	96	42	1100	e230	328	113	165	107	18	26	22	14
23	145	48	1130	215	377	106	159	82	23	26	25	13
24	81	57	937	194	378	100	146	77	27	27	30	13
25	57	53	694	171	379	93	115	105	28	36	26	12
26	46	50	331	e160	369	90	101	108	28	38	25	11
27	42	50	e280	e150	333	87	e220	107	27	36	25	11
28	36	161	e240	e140	252	88	e240	106	26	36	24	9.8
29	35	330	e220	138	---	194	e250	81	26	41	27	8.9
30	36	182	e240	133	---	401	e260	65	25	48	31	9.3
31	33	---	e260	132	---	358	---	55	---	40	40	---
TOTAL	4541.7	2078	9767	9883	5938	6008	10087	5074	997	883	743	837.0
MEAN	147	69.3	315	319	212	194	336	164	33.2	28.5	24.0	27.9
MAX	1150	330	1130	900	379	401	1000	398	68	48	40	88
MIN	7.3	29	59	132	77	87	101	55	18	24	11	8.9
AC-FT	9010	4120	19370	19600	11780	11920	20010	10060	1980	1750	1470	1660
CFSM	.72	.34	1.54	1.56	1.04	.95	1.65	.80	.16	.14	.12	.14
IN.	.83	.38	1.78	1.80	1.08	1.10	1.84	.93	.18	.16	.14	.15

CAL YR 1990 TOTAL 126080.2 MEAN 345 MAX 9440 MIN 1.0 AC-FT 250100 CFSM 1.69 IN. 22.99
WTR YR 1991 TOTAL 56836.7 MEAN 156 MAX 1150 MIN 7.3 AC-FT 112700 CFSM .76 IN. 10.36

e Estimated

07363300 HURRICANE CREEK NEAR SHERIDAN, ARKANSAS--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-72, 1976-80, October 1990 to September 1991.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
FEB									
19.	1020	9827	9827	7.3	10.0	9.1	1.1	56	180
MAR									
26.	1035	9827	9827	7.6	20.0	8.1	1.2	78	180
APR									
16.	1025	9827	9827	7.1	17.0	7.0	1.3	20	17
MAY									
07.	1024	9827	9827	6.9	18.0	6.5	0.5	30	46
JUN									
04.	1045	9827	9827	7.4	26.0	6.2	1.9	84	180
JUL									
02.	1025	9827	9827	7.6	27.0	6.0	1.5	160	390
30.	1009	9827	9827	7.5	25.0	5.8	0.5	160	490
SEP									
17.	1034	9827	9827	8.0	25.0	5.6	1.4	140	440

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
FEB								
19.	1020	4.6	207	14	0.120	0.070	0.54	<0.030
MAR								
26.	1035	5.3	316	4	<0.020	<0.050	--	<0.030
APR								
16.	1025	3.7	82	4	0.040	0.080	--	0.030
MAY								
07.	1024	2.3	117	20	<0.020	<0.050	--	0.060
JUN								
04.	1045	4.8	354	6	0.190	0.100	--	0.060
JUL								
02.	1025	7.5	620	3	0.040	<0.050	--	<0.030
30.	1009	8.1	737	4	0.090	0.050	--	--
SEP								
17.	1034	11	877	4	0.040	<0.050	--	0.010

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
FEB								
19.	1020	<0.030	6.3	<0.5	<1	<25	<2	<8
MAR								
26.	1035	<0.030	6.9	<0.5	<1	<25	<2	--
APR								
16.	1025	<0.030	10	<0.5	<1	<25	<2	<8
MAY								
07.	1024	<0.030	9.5	<0.5	--	<25	<2	<8
JUN								
04.	1045	0.030	6.6	<0.5	--	<25	<2	--
JUL								
02.	1025	<0.030	4.3	<0.5	<1	<25	<2	<8
30.	1009	0.030	3.5	<0.5	<1	<25	<2	<8
SEP								
17.	1034	0.040	7.8	<0.5	<1	<25	<2	<8

07363337 BIG CREEK NEAR SHERIDAN, ARKANSAS

LOCATION.--Lat 34°17'22", long 92°22'12", in SE¼NW¼ sec.14. T.5 S., R.13 W., Grant County, Hydrologic Unit 08040203, at bridge on county road 1.8 mi southeast of Sheridan.

PERIOD OF RECORD.--October 1986 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT									
02.	0958	9827	9827	7.2	20.0	<0.1	7.4	24	8.0
30.	0925	9827	9827	7.1	11.0	3.1	1.9	30	14
NOV									
27.	0935	9827	9827	7.0	17.0	2.1	1.4	50	13
JAN									
22.	1051	9827	9827	6.7	5.0	10.8	2.0	16	10
FEB									
19.	1037	9827	9827	6.6	12.0	9.0	2.8	18	8.0
MAR									
26.	1055	9827	9827	6.7	21.0	4.0	3.0	24	10
APR									
16.	1045	9827	9827	6.5	16.0	7.6	1.8	10	8.0
MAY									
07.	1050	9827	9827	6.6	17.0	7.2	1.9	18	9.0
JUN									
04.	1107	9827	9827	6.9	26.0	1.6	5.3	34	9.0
JUL									
02.	1041	9827	9827	7.2	26.0	0.6	2.3	54	10
30.	1027	9827	9827	7.0	25.0	2.1	4.5	28	10
SEP									
17.	1053	9827	9827	7.2	24.0	0.5	11	42	3.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	0958	16	174	45	<0.020	1.54	10	1.20
30.	0925	7.6	99	14	0.190	0.170	2.2	0.170
NOV								
27.	0935	8.2	116	6	0.070	0.070	--	0.180
JAN								
22.	1051	5.0	73	10	0.270	0.180	0.61	0.190
FEB								
19.	1037	4.3	66	4	0.140	0.100	0.82	0.100
MAR								
26.	1055	7.1	80	8	0.350	0.410	0.52	0.270
APR								
16.	1045	4.8	104	22	0.190	0.200	1.2	0.110
MAY								
07.	1050	3.8	70	22	0.090	0.090	0.94	0.220
JUN								
04.	1107	9.7	113	15	0.090	1.08	1.4	0.540
JUL								
02.	1041	14	140	20	<0.020	1.28	3.8	1.03
30.	1027	6.4	94	38	<0.020	0.060	2.2	--
SEP								
17.	1053	18	151	35	<0.020	1.47	3.2	1.80

07363337 BIG CREEK NEAR SHERIDAN, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	0958	0.240	28	<0.5	<1	<25	<2	<8
30.	0925	0.050	10	--	<1	<25	<2	<8
NOV								
27.	0935	0.080	11	<0.5	<1	<25	<2	<8
JAN								
22.	1051	0.090	6.6	<0.5	<1	<25	<2	<8
FEB								
19.	1037	0.040	12	0.7	<1	<25	<2	14
MAR								
26.	1055	0.160	7.5	<0.5	<1	<25	<2	--
APR								
16.	1045	0.060	8.8	0.6	<1	<25	<2	<8
MAY								
07.	1050	0.130	8.1	<0.5	--	<25	<2	<8
JUN								
04.	1107	0.370	12	<0.5	--	<25	<2	--
JUL								
02.	1041	0.470	13	<0.5	<1	<25	<2	<8
30.	1027	0.250	18	<0.5	<1	<25	<2	20
SEP								
17.	1053	0.370	24	<0.5	<1	<25	<2	<8

07363465 BIG CREEK NEAR PANSY, ARKANSAS

LOCATION.--Lat 33°49'47", long 92°04'58", in NE¼ sec.24, T.10 S., R.10 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 35, 1.0 mi upstream from Saline River, and 5.0 mi west of Pansy.

DRAINAGE AREA.--153 mi².

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT								
02...	1225	9827	9827	6.9	23.0	1.7	2.4	38
30...	1221	9827	9827	6.2	13.0	8.2	1.1	20
NOV								
27...	1227	9827	9827	6.3	17.0	0.5	2.3	28
JAN								
02...	1144	9827	9827	5.8	5.0	10.8	1.6	16
FEB								
12...	1100	9827	9827	5.9	10.0	10.0	0.9	26
MAR								
12...	1036	9827	9827	6.0	13.0	8.9	0.6	26
APR								
02...	1006	9827	9827	5.8	14.0	8.5	1.3	24
MAY								
14...	1042	9827	9827	6.2	23.0	6.4	0.8	24
JUN								
18...	1007	9827	9827	6.6	26.0	4.5	1.1	18
JUL								
09...	1054	9827	9827	6.9	27.0	3.5	2.5	34
AUG								
06...	1007	9827	9827	6.9	27.0	2.8	6.6	36
SEP								
03...	1223	9827	9827	7.1	25.0	1.7	2.6	22

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02...	1225	16	6.6	136	55	0.020	0.450	0.270
30...	1221	24	4.4	365	6	0.030	<0.050	0.050
NOV								
27...	1227	25	4.4	82	10	<0.020	<0.050	0.050
JAN								
02...	1144	18	3.6	64	12	0.030	<0.050	--
FEB								
12...	1100	39	4.8	80	10	0.080	<0.050	0.050
MAR								
12...	1036	29	4.2	78	11	0.030	<0.050	0.060
APR								
02...	1006	21	4.3	81	24	0.040	0.120	0.050
MAY								
14...	1042	23	4.2	70	49	0.060	0.150	0.140
JUN								
18...	1007	14	4.8	90	14	0.180	0.080	0.060
JUL								
09...	1054	7.0	4.2	79	23	<0.020	0.050	0.080
AUG								
06...	1007	5.0	3.8	91	49	<0.020	<0.050	0.150
SEP								
03...	1223	4.0	9.4	87	70	<0.020	<0.050	0.240

07363465 BIG CREEK NEAR PANSY, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02...	1225	0.140	16	<0.5	<1	<25	<2	<8
30...	1221	<0.030	9.7	--	<1	<25	<2	<8
NOV								
27...	1227	<0.030	12	<0.5	<1	<25	<2	<8
JAN								
02...	1144	<0.030	11	<0.5	<1	<25	<2	<8
FEB								
12...	1100	<0.030	6.8	<0.5	<1	<25	<2	11
MAR								
12...	1036	<0.030	5.3	<0.5	<1	<25	<2	12
APR								
02...	1006	0.040	10	<0.5	<1	<25	<2	17
MAY								
14...	1042	0.060	7.6	<0.5	<1	<25	<2	<8
JUN								
18...	1007	0.070	11	<0.5	<1	<25	<2	<8
JUL								
09...	1054	0.040	11	<0.5	<1	<25	<2	<8
AUG								
06...	1007	<0.030	14	<0.5	<1	<25	2	<8
SEP								
03...	1223	<0.030	15	<0.5	<1	<25	--	<8

07363500 SALINE RIVER NEAR RYE, ARKANSAS

LOCATION.--Lat 33°42'03", long 92°01'33", in SW¼NW¼ sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi².

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above National Geodetic Vertical datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--54 years, 2,686 ft³/s, 17.35 in/yr, 1,946,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft³/s May 18, 1968, gage height, 31.40 ft; minimum, 3.5 ft³/s Sept. 27, 28, 1954, gage height, 3.84 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 31	1900	13,700	23.04	Apr. 18	1330	26,700	25.81
Jan. 13	1045	26,200	25.73	May 04	1700	*28,300	*26.06
Mar. 04	0230	13,400	22.96				

Minimum discharge, 69 ft³/s Aug. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	484	1550	13400	1540	9710	3400	11800	2620	252	307	83
2	101	425	1770	12300	1420	11300	3500	14700	1900	223	304	100
3	93	387	1830	11000	1320	12900	3380	22300	1240	201	298	95
4	108	360	1640	10100	1230	13300	3230	27800	927	193	283	136
5	101	345	1360	9510	1220	12500	4220	27300	775	182	246	222
6	88	311	1250	9260	1650	11300	5390	23600	759	175	206	314
7	113	294	1410	9470	2330	10000	6190	19300	665	169	172	478
8	191	298	1620	9740	2770	9090	6620	16100	548	164	152	1080
9	225	357	1550	9990	2910	8470	6690	13500	490	163	135	1450
10	465	425	1270	10700	2860	8010	5780	11200	487	163	128	1580
11	1350	540	1030	13400	2700	7490	4230	10200	487	172	112	1360
12	2170	820	893	21900	2370	6630	4750	9090	457	170	107	923
13	2720	1090	798	25900	1930	4960	8120	7370	402	157	100	611
14	3100	1220	729	23800	1590	2730	12100	5980	362	144	92	459
15	3460	1160	676	20800	1370	1650	19000	4850	347	134	98	335
16	3990	967	644	18600	1220	1380	21000	3940	361	122	102	227
17	4640	785	738	17200	1130	1240	23800	2860	418	113	88	193
18	5160	662	828	16300	1330	1150	26300	1990	421	108	81	173
19	5250	586	1050	15100	4370	1110	25900	1820	402	105	76	157
20	4300	535	1670	13400	7460	1130	24000	1850	402	105	73	132
21	2030	494	2490	11600	7600	1230	21000	2460	466	108	75	122
22	1200	463	3540	10200	7730	1270	17800	3430	577	102	78	119
23	1220	441	4350	9230	9210	1190	14900	3790	508	96	90	115
24	1360	423	4880	e6900	9490	1080	12100	3620	405	93	90	123
25	1400	419	5470	e5600	9330	982	9920	3410	342	95	78	136
26	1290	449	6310	e4600	9140	923	7850	3590	309	116	73	123
27	1120	496	7330	e3700	9010	858	5080	2960	299	133	74	115
28	914	592	8450	e3000	9030	809	6000	2720	299	131	84	112
29	732	903	9630	2760	---	1350	9870	2920	302	140	80	111
30	607	1250	11600	2020	---	2250	11100	2900	281	197	75	110
31	527	---	13400	1700	---	2970	---	2840	---	294	73	---
TOTAL	50141	17981	101756	353180	115260	150962	333220	272190	18258	4720	4030	11294
MEAN	1617	599	3282	11390	4116	4870	11110	8780	609	152	130	376
MAX	5250	1250	13400	25900	9490	13300	26300	27800	2620	294	307	1580
MIN	88	294	644	1700	1130	809	3230	1820	281	93	73	83
AC-FT	99450	35670	201800	700500	228600	299400	660900	539900	36210	9360	7990	22400
CFSM	.77	.29	1.56	5.42	1.96	2.32	5.28	4.18	.29	.07	.06	.18
IN.	.89	.32	1.80	6.25	2.04	2.67	5.90	4.82	.32	.08	.07	.20

CAL YR 1990 TOTAL 1509213 MEAN 4135 MAX 41600 MIN 21 AC-FT 2994000 CFSM 1.97 IN. 26.71
WTR YR 1991 TOTAL 1432992 MEAN 3926 MAX 27800 MIN 73 AC-FT 2842000 CFSM 1.87 IN. 25.36

e Estimated

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARKANSAS

LOCATION.--Lat 33°22'42", long 91°57'35", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi west of Fountain Hill.

PERIOD OF RECORD.--January 1972 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT								
02...	1045	9827	9827	134	7.7	24.0	8.2	1.1
30...	1030	9827	9827	796	7.2	15.0	8.6	0.9
NOV								
27...	1030	9827	9827	641	7.4	17.0	8.0	0.4
FEB								
05...	1030	9827	9827	1550	6.9	10.0	10.1	0.8
MAR								
12...	1000	9827	9827	8780	6.6	13.0	8.8	1.7
APR								
02...	0930	9827	9827	4590	6.7	14.0	8.4	2.4
MAY								
07...	0945	9827	9827	5400	6.5	21.0	6.1	1.4
JUN								
04...	0915	9827	9827	1240	6.8	27.0	12.1	0.7
JUL								
02...	0915	9827	9827	295	7.4	30.0	7.4	1.6
AUG								
06...	0915	9827	9827	278	7.6	29.0	6.5	0.9
SEP								
03...	0945	9827	9827	121	7.2	28.0	5.9	2.5

DATE	TIME	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT									
02.	1045	30	--	5.8	136	5	<0.020	0.090	0.040
30.	1030	30	44	6.6	121	22	0.130	<0.050	0.060
NOV									
27.	1030	44	45	4.5	128	7	0.050	<0.050	0.050
FEB									
05.	1030	32	32	4.1	85	7	0.120	<0.050	0.060
MAR									
12.	1000	18	7.0	8.1	60	4	0.060	<0.050	--
APR									
02.	0930	22	19	4.4	83	16	<0.020	0.050	0.100
MAY									
07.	0945	12	7.0	1.5	52	4	<0.020	<0.050	0.080
JUN									
04.	0915	26	16	--	83	9	0.200	0.090	0.120
JUL									
02.	0915	42	45	4.6	115	7	0.130	0.080	0.120
AUG									
06.	0915	46	65	5.3	145	--	<0.020	<0.050	0.040
SEP									
03.	0945	36	37	10	106	5	<0.020	<0.050	0.060

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1045	0.040	5.0	<0.5	<1	<25	<2	<8
30.	1030	0.030	8.6	<0.5	--	<25	<2	<8
NOV								
27.	1030	<0.030	5.9	<0.5	<1	<25	<2	<8
FEB								
05.	1030	<0.030	4.5	<0.5	<1	<25	<2	<8
MAR								
12.	1000	0.030	8.9	<0.5	<1	<25	<2	20
APR								
02.	0930	0.030	9.9	<0.5	<1	<25	<2	<8
MAY								
07.	0945	0.030	11	<0.5	<1	<25	<2	<8
JUN								
04.	0915	0.030	8.8	<0.5	<1	<25	<2	<8
JUL								
02.	0915	--	5.8	<0.5	<1	<25	<2	13
AUG								
06.	0915	0.030	4.2	<0.5	--	<25	<2	--
SEP								
03.	0945	<0.030	4.6	<0.5	<1	<25	2	--

07364050 OUACHITA RIVER NEAR CROSSETT, ARKANSAS

LOCATION.--Lat 33°09'00", long 92°06'30", in NE¼NW¼ sec.14, T.18 S., R.10 W., Ashley County, Hydrologic Unit 08040202, at bridge on U.S. Highway 82, 9.0 mi west of Crossett.

PERIOD OF RECORD.--October 1990 to September 1991.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT										
02...	0945	80513	80513	2140	7.2	25.0	5.4	0.4	34	--
30...	0930	80513	80513	4370	7.0	15.0	7.7	0.7	26	20
NOV										
27...	0930	80513	80513	3180	7.2	17.0	8.5	0.5	30	15
JUL										
02...	1330	80513	80513	13000	6.8	31.0	4.1	2.9	26	9.0
AUG										
06...	1230	80513	80513	3700	7.3	31.0	6.9	1.9	30	10
SEP										
03...	1345	80513	80513	2390	7.1	31.0	6.5	0.4	28	7.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
02...	0945	42	132	7	0.350	0.100	0.070	0.030	5.4
30...	0930	19	101	10	0.240	0.090	0.060	0.030	8.9
NOV									
27...	0930	21	93	6	0.280	0.070	0.030	K0.030	4.5
JUL									
02...	1330	27	103	2	0.150	0.070	0.140	--	7.8
AUG									
06...	1230	17	92	--	0.390	0.060	0.080	0.050	4.6
SEP									
03...	1345	20	71	9	0.210	K0.050	0.070	K0.030	4.1

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARKANSAS

LOCATION.--Lat 34°06'24", long 91°54'06", in NW¼ sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road 2.2 mi south of Ladd.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	1319	9827	9827	--	7.4	25.0	5.9	1.8	40
30.	0116	9827	9827	--	7.3	16.0	6.2	1.1	22
NOV									
27.	1324	9827	9827	--	7.1	19.0	3.1	1.5	30
JAN									
02.	1432	9827	9827	--	6.6	5.0	9.5	1.6	16
FEB									
12.	1428	9827	9827	--	6.8	13.0	8.5	1.5	16
MAR									
12.	1305	9827	9827	--	6.8	14.0	6.9	1.3	10
APR									
02.	1252	9827	9827	--	6.5	17.0	7.0	2.0	18
MAY									
14.	1310	9827	9827	--	6.9	27.0	3.0	2.2	30
JUN									
18.	1244	9827	9827	22	6.9	29.0	4.1	2.0	26
JUL									
09.	1321	9827	9827	--	7.2	32.0	5.8	3.5	50
AUG									
06.	1303	9827	9827	--	7.2	32.0	6.0	3.7	32
SEP									
03.	1447	9827	9827	9.5	7.2	29.0	5.6	2.2	44

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	1319	13	7.1	90	14	<0.020	0.200	0.120
30.	0116	11	5.4	81	24	0.180	0.050	0.180
NOV								
27.	1324	15	4.6	76	8	<0.020	<0.050	0.190
JAN								
02.	1432	11	4.8	76	15	0.070	<0.050	--
FEB								
12.	1428	12	4.5	71	22	0.070	<0.050	0.130
MAR								
12.	1305	8.0	3.6	79	40	0.180	0.150	0.290
APR								
02.	1252	9.0	4.6	76	20	0.070	0.100	0.140
MAY								
14.	1310	9.0	4.2	73	50	0.310	0.210	0.250
JUN								
18.	1244	8.0	4.3	79	43	0.220	0.140	0.210
JUL								
09.	1321	4.0	5.4	90	27	<0.020	0.060	0.170
AUG								
06.	1303	6.0	5.3	88	23	0.280	0.080	0.180
SEP								
03.	1447	6.0	14	93	33	0.060	0.070	0.120

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	1319	0.050	8.5	<0.5	<1	<25	<2	<8
30.	0116	0.110	9.0	--	<1	<25	<2	<8
NOV								
27.	1324	0.080	8.9	<0.5	<1	<25	<2	<8
JAN								
02.	1432	0.080	9.5	<0.5	<1	<25	<2	20
FEB								
12.	1428	0.090	11	<0.5	<1	<25	<2	<8
MAR								
12.	1305	0.140	11	<0.5	<1	<25	<2	<8
APR								
02.	1252	0.120	14	<0.5	<1	<25	<2	13
MAY								
14.	1310	0.220	11	<0.5	<1	<25	<2	<8
JUN								
18.	1244	0.160	9.5	<0.5	<1	<25	<2	<8
JUL								
09.	1321	0.090	11	<0.5	<1	<25	<2	<8
AUG								
06.	1303	0.110	8.8	<0.5	<1	<25	<2	11
SEP								
03.	1447	0.070	6.9	<0.5	<1	<25	--	<8

07364133 BAYOU BARTHOLOMEW AT GARRETT BRIDGE, ARKANSAS

LOCATION.--Lat 33°51'59", long 91°39'22", in SE¼SW¼ sec.6, T.10 S., R.5 W., Lincoln County, Hydrologic Unit 08040205, on downstream side of bridge on State Highway 54, 1.9 mi upstream from Flat Creek at Garrett Bridge.

DRAINAGE AREA.--380 mi^2.

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

GAGE.--Water-stage recorder.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,650 ft^3/s Feb. 10, 11, 1990, gage height, 22.22 ft; minimum, 0.60 ft^3/s June 20, 1988, gage height, 1.31 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,980 ft^3/s Apr. 18; maximum gage height, 21.61 ft May 5; minimum discharge, 25 ft^3/s Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	287	358	e2100	261	2200	335	3690	404	94	123	100
2	159	244	301	e2200	229	2270	268	3730	425	80	112	118
3	157	203	241	e2300	237	2320	231	3800	440	77	94	110
4	182	166	258	e2400	220	2240	235	3910	435	67	74	96
5	175	145	389	e2600	236	2000	315	3940	402	58	67	91
6	179	122	466	e2800	333	1740	532	3920	346	59	65	93
7	190	119	483	e2900	425	1520	682	3790	285	67	61	91
8	e330	117	479	e2900	457	1350	848	3600	229	72	55	85
9	e480	157	458	e2800	426	1210	1100	3370	176	65	52	70
10	e600	263	427	e2600	389	1100	e1200	3090	130	58	65	57
11	800	440	388	e2500	372	1000	1300	2790	98	53	81	49
12	1010	564	346	e2400	372	900	1460	2470	82	52	100	44
13	1150	572	301	2200	390	794	2060	2110	89	49	104	39
14	1160	509	255	2110	409	685	2830	1770	127	46	92	36
15	1090	430	215	2010	412	576	3760	1470	157	46	80	33
16	1000	363	187	1950	402	472	3920	1200	167	55	74	35
17	934	314	289	1880	379	376	3950	974	168	63	74	47
18	883	281	447	1770	442	293	3980	787	184	62	75	36
19	837	251	544	1640	1180	225	3950	623	206	60	84	33
20	793	224	597	1500	1860	171	3880	476	191	75	101	31
21	751	197	622	1370	2030	135	3740	377	159	143	100	30
22	727	170	713	1240	2200	112	3540	284	132	223	95	29
23	769	143	828	1120	e2400	97	3300	203	107	237	148	28
24	867	121	988	996	e2600	86	2990	145	91	193	203	44
25	874	104	1080	881	e2800	93	2650	185	91	155	193	39
26	784	90	1080	772	2690	100	2290	414	139	146	155	38
27	661	83	1180	666	2500	91	2020	537	163	160	114	42
28	539	139	1440	564	2280	84	2490	542	153	189	88	36
29	443	178	1700	467	---	230	3360	489	129	177	80	30
30	374	317	e1900	387	---	399	3640	428	108	161	80	27
31	325	---	e2000	319	---	397	---	394	---	136	85	---
TOTAL	19385	7313	20960	54342	28931	25266	66856	55508	6013	3178	2974	1637
MEAN	625	244	676	1753	1033	815	2229	1791	200	103	95.9	54.6
MAX	1160	572	2000	2900	2800	2320	3980	3940	440	237	203	118
MIN	157	83	187	319	220	84	231	145	82	46	52	27
AC-FT	38450	14510	41570	107800	57380	50120	132600	110100	11930	6300	5900	3250
CFSM	1.65	.64	1.78	4.61	2.72	2.14	5.86	4.71	.53	.27	.25	.14
IN.	1.90	.72	2.05	5.32	2.83	2.47	6.54	5.43	.59	.31	.29	.16

CAL YR 1990 TOTAL 310658 MEAN 851 MAX 4610 MIN 15 AC-FT 616200 CFSM 2.24 IN. 30.41
WTR YR 1991 TOTAL 292363 MEAN 801 MAX 3980 MIN 27 AC-FT 579900 CFSM 2.11 IN. 28.62

e Estimated

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, ARKANSAS

LOCATION.--Lat 33°37'40", long 91°26'45", in NE¼SW¼ sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, at mile 200.5.

DRAINAGE AREA.--576 mi^2.

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by U.S. Army Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

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

AVERAGE DISCHARGE.--50 years (1939-42, 1946-91), 707 ft^3/s, 16.67 in/yr, 512,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft^3/s May 11, 1958, gage height, 25.49 ft, present datum; minimum, 0.20 ft^3/s Aug. 15-23, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft, present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,820 ft^3/s May 5; maximum gage height, 25.25 ft May 5; minimum discharge, 27 ft^3/s July 19-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	529	269	1860	642	4200	590	5350	612	97	188	150
2	145	474	247	2010	559	4120	664	5510	570	96	176	144
3	143	418	243	2100	480	4090	696	5710	524	92	161	142
4	153	367	261	2130	409	4040	695	5790	480	89	144	140
5	156	337	287	2100	413	3930	655	5800	442	83	128	139
6	157	295	297	2050	468	3780	601	5780	414	78	111	141
7	162	256	288	2010	508	3550	565	5660	388	71	96	155
8	199	223	274	1970	520	3280	684	5410	363	62	85	182
9	211	222	269	1940	511	2980	826	5140	339	52	74	195
10	224	245	278	2030	495	2680	963	4880	313	46	70	192
11	230	270	297	2170	476	2400	1140	4610	289	39	76	178
12	232	284	314	2230	455	2130	1540	4370	256	33	90	160
13	247	273	321	2240	432	1900	2150	4170	221	30	99	140
14	289	260	320	2240	407	1690	3210	4000	187	29	98	122
15	373	266	313	2240	384	1500	4450	3860	155	31	93	108
16	533	293	299	2230	370	1330	5100	3650	128	34	92	97
17	638	322	388	2180	361	1170	5400	3250	108	32	91	88
18	712	341	829	2120	541	1020	5520	2850	100	28	94	81
19	748	345	1050	2040	1560	888	5530	2460	104	27	97	76
20	762	334	1050	1950	2330	772	5460	2120	115	28	95	70
21	760	313	994	1840	2800	671	5330	1810	131	64	90	69
22	757	289	989	1730	3280	587	5180	1540	141	112	91	69
23	743	264	974	1610	3810	509	5000	1310	144	124	94	69
24	718	240	951	1480	4070	439	4790	1110	144	114	100	67
25	691	217	917	1360	4230	388	4560	1010	138	118	110	66
26	671	194	883	1250	4330	322	4280	957	126	164	116	64
27	660	175	979	1140	4350	274	3990	814	115	218	120	64
28	652	214	1170	1030	4270	243	4220	722	109	236	135	66
29	640	247	1300	922	---	279	4850	670	104	231	153	71
30	617	274	1430	824	---	358	5160	654	97	215	161	74
31	579	---	1660	731	---	461	---	652	---	200	159	---
TOTAL	13951	8781	20141	55757	43461	55981	93799	101619	7357	2873	3487	3379
MEAN	450	293	650	1799	1552	1806	3127	3278	245	92.7	112	113
MAX	762	529	1660	2240	4350	4200	5530	5800	612	236	188	195
MIN	143	175	243	731	361	243	565	652	97	27	70	64
AC-FT	27670	17420	39950	110600	86200	111000	186100	201600	14590	5700	6920	6700
CFSM	.78	.51	1.13	3.12	2.69	3.14	5.43	5.69	.43	.16	.20	.20
IN.	.90	.57	1.30	3.60	2.81	3.62	6.06	6.56	.48	.19	.23	.22

CAL YR 1990 TOTAL 449709 MEAN 1232 MAX 6730 MIN 13 AC-FT 892000 CFSM 2.14 IN. 29.04
WTR YR 1991 TOTAL 410586 MEAN 1125 MAX 5800 MIN 27 AC-FT 814400 CFSM 1.95 IN. 26.52

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARKANSAS

LOCATION.--Lat 33°05'55", long 92°35'32", in SE¼NW¼ sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi downstream from Highbank Creek, and 8.5 mi southeast of El Dorado.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)
OCT									
02.	0830	9827	9827	20	7.9	23.0	6.0	1.3	110
30.	0830	9827	9827	46	7.3	11.0	6.7	0.4	110
NOV									
27.	0830	9827	9827	183	7.0	19.0	3.7	0.9	130
FEB									
05.	1445	9827	9827	--	7.0	14.0	6.1	1.3	84
MAR									
12.	1500	9827	9827	--	7.1	16.0	5.3	1.3	68
APR									
02.	1430	9827	9827	--	6.8	18.0	6.3	1.7	62
MAY									
07.	1515	9827	9827	1400	6.6	22.0	5.4	1.6	26
JUN									
04.	1410	9827	9827	--	7.4	30.0	5.0	2.0	62
JUL									
02.	1430	9827	9827	34	8.3	31.0	11.7	6.9	38
AUG									
06.	1400	9827	9827	18	7.8	32.0	6.3	2.2	66
SEP									
03.	1500	9827	9827	580	6.4	32.0	3.5	1.7	80

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
OCT								
02.	0830	--	280	812	29	0.610	0.270	0.150
30.	0830	73	390	729	10	1.90	<0.050	0.070
NOV								
27.	0830	57	370	746	6	0.130	0.130	0.060
FEB								
05.	1445	52	190	483	13	0.360	0.050	0.100
MAR								
12.	1500	45	150	402	9	0.230	<0.050	--
APR								
02.	1430	25	110	316	13	0.400	0.080	0.170
MAY								
07.	1515	13	29	139	20	0.120	<0.050	0.200
JUN								
04.	1410	80	--	440	18	0.280	<0.050	0.200
JUL								
02.	1430	84	100	435	32	0.120	<0.050	0.290
AUG								
06.	1400	85	250	536	--	<0.020	<0.050	0.190
SEP								
03.	1500	35	180	378	9	0.030	<0.050	0.130

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
02.	0830	0.040	12	<0.5	<1	<25	<2	40
30.	0830	0.060	11	<0.5	--	<25	<2	8
NOV								
27.	0830	<0.030	14	<0.5	<1	<25	<2	10
FEB								
05.	1445	<0.030	12	<0.5	<1	<25	<2	<8
MAR								
12.	1500	0.080	15	<0.5	<1	<25	<2	24
APR								
02.	1430	0.120	16	<0.5	<1	<25	<2	12
MAY								
07.	1515	0.140	17	<0.5	<1	<25	<2	<8
JUN								
04.	1410	0.090	15	<0.5	<1	<25	<2	<8
JUL								
02.	1430	--	18	<0.5	<1	<25	<2	<8
AUG								
06.	1400	0.130	12	<0.5	--	<25	<2	--
SEP								
03.	1500	0.040	14	<0.5	<1	<25	<2	--

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARKANSAS

LOCATION.--Lat 33°02'21", long 92°56'15", in SW¼NW¼ sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi downstream from Pidgeon Creek, and 6.0 mi southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^2.

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1950 to September 1955, February 1956 to July 1962.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT								
16...	1045	9827	9827	6.9	17.0	5.5	0.4	20
NOV								
06...	1045	9827	9827	6.7	11.0	4.0	1.2	20
DEC								
11...	1100	9827	9827	6.4	7.0	9.3	1.1	60
JAN								
22...	1330	9827	9827	5.9	6.0	9.3	1.0	46
FEB								
19...	0830	9827	9827	6.0	13.0	7.4	1.7	40
MAR								
26...	0845	9827	9827	6.2	17.0	1.9	4.4	64
APR								
16...	0810	9827	9827	5.8	17.0	6.1	1.3	20
MAY								
21...	0830	9827	9827	6.0	23.0	4.4	2.3	18
JUN								
18...	0830	9827	9827	6.3	23.0	3.7	2.9	70
JUL								
16...	0815	9827	9827	6.6	23.0	2.2	1.4	38
AUG								
20...	0815	9827	9827	6.6	23.0	1.5	2.1	24
SEP								
17...	0835	9827	9827	6.6	23.0	3.0	2.1	22

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT								
16...	1045	6.0	11	93	16	<0.020	<0.050	0.070
NOV								
06...	1045	9.0	16	95	16	<0.020	<0.050	0.110
DEC								
11...	1100	13	81	--	9	<0.020	<0.050	0.040
JAN								
22...	1330	12	59	172	9	0.090	<0.050	--
FEB								
19...	0830	29	25	138	42	0.040	<0.050	0.110
MAR								
26...	0845	36	29	176	22	<0.020	0.060	0.080
APR								
16...	0810	11	11	88	--	0.040	0.060	--
MAY								
21...	0830	7.0	15	99	22	0.050	0.060	0.060
JUN								
18...	0830	36	35	171	23	0.070	0.390	0.100
JUL								
16...	0815	8.0	37	145	15	0.030	0.100	0.130
AUG								
20...	0815	6.0	24	114	16	<0.020	<0.050	0.090
SEP								
17...	0835	6.0	18	86	18	0.080	<0.050	0.050

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16...	1045	0.040	9.0	<0.5	<1	<25	<2	--
NOV								
06...	1045	0.030	9.5	<0.5	<1	<25	<2	10
DEC								
11...	1100	0.050	9.8	<0.5	<1	<25	<2	--
JAN								
22...	1330	<0.030	10	<0.5	<1	<25	<2	--
FEB								
19...	0830	0.030	17	<0.5	1	<25	<2	--
MAR								
26...	0845	0.050	20	<0.5	<1	<25	<2	--
APR								
16...	0810	<0.030	17	<0.5	<1	<25	<2	<8
MAY								
21...	0830	0.040	19	<0.5	<1	<25	<2	--
JUN								
18...	0830	0.050	13	<0.5	<1	<25	<2	--
JUL								
16...	0815	0.030	13	<0.5	<1	<25	<2	<8
AUG								
20...	0815	0.040	9.5	<0.5	<1	<25	9	77
SEP								
17...	0835	0.090	11	<0.5	<1	<25	<2	15

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT								
16...	1045	0.040	9.0	<0.5	<1	<25	<2	--
NOV								
06...	1045	0.030	9.5	<0.5	<1	<25	<2	10
DEC								
11...	1100	0.050	9.8	<0.5	<1	<25	<2	--
JAN								
22...	1330	<0.030	10	<0.5	<1	<25	<2	--
FEB								
19...	0830	0.030	17	<0.5	1	<25	<2	--
MAR								
26...	0845	0.050	20	<0.5	<1	<25	<2	--
APR								
16...	0810	<0.030	17	<0.5	<1	<25	<2	<8
MAY								
21...	0830	0.040	19	<0.5	<1	<25	<2	--
JUN								
18...	0830	0.050	13	<0.5	<1	<25	<2	--
JUL								
16...	0815	0.030	13	<0.5	<1	<25	<2	<8
AUG								
20...	0815	0.040	9.5	<0.5	<1	<25	9	77
SEP								
17...	0835	0.090	11	<0.5	<1	<25	<2	15

07369680 BAYOU MACON AT EUDORA, ARKANSAS

LOCATION.--Lat 33°05'58", long 91°15'12", in SE¼.SE¼. sec.25, T.18 S., R.2 W., Chicot County, Hydrologic Unit 08030100, near left bank on downstream side of bridge on U.S. Highway 65, 0.6 mi south of Eudora.

DRAINAGE AREA.--500 mi^2.

PERIOD OF RECORD.--October 1988 to current year. Gage-height record and results of discharge measurements since January 1938, are contained in reports of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 80.92 ft above National Geodetic Vertical Datum of 1929. Satellite telemeter at station.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,200 ft^3/s Apr. 29, 1991, gage height, 24.41 ft; minimum discharge, 52 ft^3/s Oct. 2, 1990.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 27.43 ft May 10, 22, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,200 ft^3/s Apr. 29, gage height, 24.41 ft; minimum discharge, 52 ft^3/s Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	56	78	1490	72	2170	126	3170	188	339	119	94
2	52	56	70	1150	72	2180	120	3130	139	306	120	108
3	55	56	86	846	72	1930	119	3110	123	308	108	124
4	64	56	115	654	72	1660	120	3130	116	290	108	123
5	83	59	100	519	644	1360	126	3130	109	281	106	116
6	80	56	88	286	1010	1100	118	3110	95	226	105	109
7	70	56	78	256	539	944	127	3050	91	192	105	100
8	100	56	69	222	303	856	575	2980	89	177	105	89
9	133	140	65	189	213	713	477	2920	91	159	98	83
10	99	352	63	605	169	636	226	2750	93	138	106	73
11	76	262	61	773	130	600	157	2410	94	111	113	74
12	71	154	61	464	101	445	677	2120	106	108	110	78
13	65	103	60	322	93	388	1830	1830	121	108	103	84
14	63	83	60	258	90	248	2530	1550	103	107	95	84
15	61	72	60	285	92	203	2900	1300	95	107	96	80
16	59	68	60	298	89	199	2760	1010	97	107	97	80
17	58	66	65	224	87	202	2300	430	102	106	94	78
18	58	64	147	192	1370	199	1950	271	97	105	92	75
19	57	62	226	183	2990	196	1610	346	94	105	99	77
20	58	61	175	174	3080	189	1270	338	94	128	87	78
21	58	61	1130	164	3040	137	665	323	156	135	74	78
22	64	61	2810	151	3000	127	413	411	235	123	72	75
23	60	61	2800	93	2970	123	362	386	232	109	65	73
24	58	60	2100	82	2900	121	274	334	251	106	63	80
25	57	60	1220	80	2770	120	222	437	284	106	64	85
26	57	60	651	78	2520	120	193	807	355	106	70	83
27	57	61	1150	77	2290	119	401	784	365	110	70	80
28	57	106	1670	76	2080	119	2560	418	359	114	73	76
29	57	117	1560	74	---	230	3180	262	352	144	80	74
30	57	94	1500	74	---	234	3200	289	352	151	89	72
31	56	---	1810	73	---	154	---	273	---	134	96	---
TOTAL	2065	2679	20188	10412	32858	18022	31588	46809	5078	4846	2882	2583
MEAN	66.6	89.3	651	336	1173	581	1053	1510	169	156	93.0	86.1
MAX	133	352	2810	1490	3080	2180	3200	3170	365	339	120	124
MIN	52	56	60	73	72	119	118	262	89	105	63	72
AC-FT	4100	5310	40040	20650	65170	35750	62650	92850	10070	9610	5720	5120

CAL YR 1990 TOTAL 119663 MEAN 328 MAX 2810 MIN 52 AC-FT 237400
WTR YR 1991 TOTAL 180010 MEAN 493 MAX 3200 MIN 52 AC-FT 357000

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-Stage Partial-Record Stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Maximum discharge at crest-stage partial-record stations

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
			ST. FRANCIS RIVER BASIN					
07047820 Murray Creek near Jonesboro, Ark.	Lat 35°51'50", long 90°38'30", in SW¼ SW¼ sec.2, T.14 N., R.4 E., Craighead County, Hydrologic Unit 08020203, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro. Drainage area is 1.38 mi^2.	1960-91	04-13-91	11.46	740	05-27-73	14.20	1,330
07047880 Pope Creek tributary at Birdeye, Ark.	Lat 35°22'35", long 90°42'00", in NE¼ SE¼ sec.30, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at culvert on State Highway 42, 0.9 mi west of Birdeye. Drainage area is .08 mi^2.	1963-91	04-27-91	5.54	(a)	09-13-78	7.73	511
070479475 Spring Creek at Forrest City, Ark.	Lat 35°00'56", long 90°47'34", in SE¼ NW¼ sec.28, T.5 N., R.3 E., St. Francis County, Hydrologic Unit 08020205, on Cherry Street in Forrest City. Drainage area is .54 mi^2.	1990-91	04-29-91	15.86	(a)	05-20-90	16.02	(a)
			WHITE RIVER BASIN					
07048900 Whitener Branch Tributary near Spring Valley, Ark.	Lat 36°10'24", long 93°54'59", in SE¼ NW¼ sec.1, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at culvert on State Highway 68, 1.0 mi east of Spring Valley. Drainage area is 1.07 mi^2.	1960-91	--	<5.19	<72	07-25-60	17.60	1,410
07049000 War Eagle Creek near Hindsville, Ark.	Lat 36°12'02", long 93°51'16", in SE¼ NE¼ sec.28, T.18 N., R.27 W., Madison County, Hydrologic Unit 11010001, on left bank about 800 ft above bridge on State Highway 45, 3.9 mi north of Hindsville. Drainage area is 263 mi^2.	1953-70† 1971-77 1985-91	04-18-91	18.06	14,800	11-19-85	28.49	49,000
07050285 Osage Creek at Osage, Ark.	Lat 36°11'19", long 93°24'51", in NW¼ SE¼ sec.27, T.18 N., R.23 W., R.23 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 68, 0.7 mi northwest of Osage. Drainage area is 82.3 mi^2.	1989-91	04-14-91	8.38	(a)	05-03-90	14.91	(a)
07050500 Kings River near Berryville, Ark.	Lat 36°25'36", long 93°37'15", in SE¼ NE¼ 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, 5.3 mi northwest of Berryville. Drainage area is 527 mi^2.	1939-75† 1976-91	04-19-91	17.73	12,000	11-19-85	b38.91	66,000

"See footnotes at end of table."

Maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height (ft)	Discharge (ft³/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft³/s)
	WHITE RIVER BASIN--CONTINUED							
07054450 East Sugarloaf tributary near Lead Hill, Ark.	Lat 36°22'28", long 92°49'52", in NW¼ NW¼ sec.19, T.20 N., R.17 W., Marion County, Hydrologic Unit 11010003, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill. Drainage area is .85 mi².	1962-91	05-03-90 03-21-91	c8.88 7.00	c450 130	10-13-68	15.30	2,480
07055000 White River near Flippin, Ark.	Lat 36°18'35", long 92°33'28", in NE¼ NW¼ sec.10, T.19 N., R.15 W., Marion County, Hydrologic Unit 11010003, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin. Drainage area is 6,081 mi².	1928-80† 1981-90 1991Ψ	02-04-91	13.04	--	04-17-45	39.82	215,000
07069000 Black River at Pocahontas Ark.	Lat 36°15'14", long 90°58'12", in SW¼ SW¼ sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at bridge on U.S. Highway 67 at Pocahontas. Drainage area is 4,845 mi².	1937-70† 1971-78, 1981-91	04-20-91	22.33	36,500	12-07-82	25.22	66,300
07069250 Brush Creek near Mammoth Spring, Ark.	Lat 36°25'36", long 91°29'27", in SE¼ SE¼ sec.34, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at culvert on U.S. Highway 63, 5.5 mi southeast of Mammoth Spring. Prior to 1967 published as Spring River Tributary near Mammoth Spring. Drainage area is .48 mi².	1961-91	--	<8.94	<223	04-22-73	15.05	960
07069410 Ferguson Creek near Ravenden Springs, Ark.	Lat 36°17'29", long 91°14'29", in NE¼ SE¼ sec.13, T.19 N., R.3 W., Randolph County, Hydrologic Unit 11010010, at bridge on State Highway 90, 1.9 mi southwest of Ravenden Springs. Drainage area is 3.79 mi².	1989-91	04-18-91	2.89	(a)	04-18-91	2.89	(a)
07073500 Piney Fork near Evening Shade, Ark.	Lat 36°04'50", long 91°36'39", in SE¼ NE¼ sec.34, T.17 N., R.6 W., Sharp County, Hydrolologic Unit 11010012, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade. Drainage area is 99.2 mi².	1939-84† 1985-91	04-14-91	16.24	7,220	12-03-82	30.32	50,400
07074420 Black River at Elgin Ferry, Ark.	Lat 35°45'51", long 91°17'40", in NW¼ SE¼ sec.15, T.13 N., R.3 W., Jackson County, Hydrologic Unit 11010009, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry. Drainage area is 8,418 mi².	1979-91	04-21-91	24.95	a	12-04-82	b27.7	a
07074850 White River near Augusta, Ark.	Lat 35°18'02", long 91°23'35", in SE¼ SE¼ 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 upstream from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta. Drainage area is 20,464 mi².	1983-91	04-22-91	b33.15	83,200	12-07-82	38.31	250,000
07074865 Glaise Creek near Bradford, Ark.	Lat 35°27'45", long 91°32'49", in NW¼ SW¼ sec.28, T.10 N., R.5 W., Jackson County, Hydrologic Unit 11010013, at bridge on State Highway 87, 5.9 mi northwest of Bradford. Drainage area is 8.35 mi².	1989-91	01-06-91	8.40	a	01-06-91	8.40	a
07075000 Middle Fork Little Red River, at Shirley Ark.	Lat 35°39'25", long 92°17'34", in SW¼ 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 mi².	1939-84† 1985-91	04-29-91	19.82	20,200	12-03-82	37.53	241,000

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Discharge ft³/s	Period of record maximum Date	Gage height ft	Discharge ft³/s
	WHITE RIVER BASIN--CONTINUED							
07075600 Choctaw Creek tributary near Choctaw, Ark.	Lat 35°31'30", long 92°25'03", in SE¼ SW¼ sec.6, T.10 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at culvert on State Highway 330, 1.4 mi east of Choctaw. Drainage area is 1.36 mi².	1964-91	03-22-91 05-25-91	12.76	515	12-03-82	19.07	1,760
07075800 Dill Branch tributary near Ida, Ark.	Lat 35°32'36", long 91°57'25", in SW¼ NE¼ sec.33, T.11 N., R.9 W., Cleburne County, Hydrologic Unit 1010014, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida. Drainage area is .11 mi².	1964-91	12-21-90	6.89	58	04-02-79	9.96	a
07076000 Little Red River near Heber Springs, Ark.	Lat 35°31'02", long 91°59'50", in NE¼ sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs. Drainage area is 1,153 mi².	1927-80† 1981-87 1989-91Ψ	04-14-91,	16.24	--	01-25-49	46.53	117,000
07076630 Key Branch near Searcy, Ark.	Lat 35°14'47", long 91°47'01", in NW¼ SW¼ sec.8, T.7 N., R.7 W., White County, Hydrologic Unit 11010014, at culvert on State Highway 36, 2.8 mi west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy. Drainage area is .66 mi².	1961-91	12-22-91	6.18	255	11-24-73	7.79	573
07076870 Pigeon Roost Creek at Butlerville, Ark.	Lat 34°58'36", long 91°50'38", in NW¼ NE¼ sec.15, T.4 N., R.8 W., Lonoke County, Hydrologic Unit 08020301, at bridge on State on State Highway 38, 0.6 mi west of Butlerville. Drainage area is 23.0 mi².	1961-91	01-06-91	11.05	3,000	04-21-74	12.62	8,800
07077200 Big Creek tributary near Boydsville, Ark.	Lat 36°22'32", long 90° 19'56", in SE¼ SW¼ sec.9, T.20 N., R.7 E., Clay County, Hydrologic Unit 08020302, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi northeast of Boydsville. Drainage area is 1.58 mi².	1962-91	04-04-91	9.17	660	05-08-84	9.65	730
07077430 Willow Ditch near Egypt, Ark.	Lat 35°56'29", long 90°56'33", in SW¼ SW¼ sec.12, T.15 N., R.1 E., Lawrence County, Hydrologic Unit 08020302, at culvert on State Highway 91, 5.1 mi north of Egypt. Drainage area is .25 mi².	1963-91	c11-19-88 12-21-91	5.40 6.37	c45 112	12-21-91	6.37	112
07077650 Big Creek near Jonesboro, Ark.	Lat 35°51'11", long 90°45'00", in SE¼ SE¼ sec.10, T.14 N., R.3 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 63, 1.3 mi west of Jonesboro. Drainage area is 50.6 mi².	1989-91	04-13-91	20.57	a	04-13-91	20.57	a
*07077920 Big Creek at Goodwin, Ark.	Lat 34°56'22", long 91°00'55", in NE¼ NE¼ sec.29, T.4 N., R.1 E., St. Francis County, Hydrologic Unit 08020304, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin. Drainage area is 31.1 mi².	1961-91	12-21-91	9.41	660	12-25-87	10.35	1,250
07249447 Mill Creek at Fort Smith, Ark.	Lat 35°20'34", long 94°25'20", in NW¼ NW¼ sec.33, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104, onright bank 30 ft upstream from bridge on Towson Avenue in Fort Smith. Drainage area is 10 mi².	1981-91	05-24-91	31.97	898	05-02-90	36.40	2,400

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Dis-charge ft³/s	Period of record maximum Date	Gage height ft	Dis-charge ft³/s
	ARKANSAS RIVER BASIN							
07249490 Lee Creek near Lee Creek, Ark.	Lat 35°42'12", long 94°19'37", in NW¼SE¼ sec.19, T.12 N., R.31 W., Crawford County, Hydrologic Unit 11110104, at bridge on State Highway 220, 1.8 mi northeast of Lee Creek. Drainage area is 93.5 mi².	1989-91	04-13-91	8.71	a	05-03-90	14.93	a
07249500 Cove Creek near Lee Creek, Ark.	Lat 35°43'20", long 94°24'28", in SW¼NW¼ sec.16, T.12 N., R.32 W., Crawford County, Hydrologic Unitat 11110104, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek. Drainage area is 35.3 mi².	1951-70† 1971-91	03-22-91	5.57	1,200	05-05-60	15.60	33,600
07249950 Webber Creek tributary near Cedarville, Ark.	Lat 35°36'00", long 92°22'49", in SE¼SE¼ sec.27, T.11 N., R.32 W., Crawford County, Hydrologic Unit 11110104, at culvert on State Highway 59, 2.3 mi north of Cedarville. Drainage area is .34 mi².	1962-91	04-13-91	5.78	14	10-26-70	7.71	274
07250515 Sunnymede Creek at Fort Smith, Ark.	Lat 35°23'46", long 94°22'23", in NW¼NE¼ sec.11, T.8 N., R.32 W., Sebastian County, Hydrologic Unit 11110104 on left bank 100 ft downstream from bridge on North 52nd Street in Fort Smith. Drainage area is 1.5 mi².	1981-91	05-24-91	6.97	137	11-18-85	7.55	155
07251500 Frog Bayou at Rudy, Ark.	Lat 35°31'32", long 94°16'18", in SW¼SW¼ 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 mi².	1951-70† 1971-91	04-13-91	8.12	4,770	05-30-90	18.76	41,300
07251790 Mulberry River near Oark, Ark.	Lat 35°41'01", long 93°35'57", in NW¼SE¼ sec.24, T.12 N., R.25 W., Johnson County, Hydrologic Unit 11110201, at bridge on State Highway 103, 1.5 mi west of Oark. Drainage area is 70.2 mi².	1988-91	04-13-91	7.45	7,900	a	9.50	a
*07256500 Spadra Creek at Clarksville, Ark.	Lat 35°28'06", long 93°27'46", in NW¼NE¼ 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 mi².	1953-70† 1971-91d	05-03-90 04-18-91	14.62 10.80	c11,500 6,190	06-05-74	19.93	27,400
07256700 Shoal Creek near New Blaine, Ark.	Lat 35°17'30", long 93°27'35", in NW¼SE¼ sec.5, T.7 N., R. 23 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22, 2.3 mi west of New Blaine. Drainage area is 50.0 mi².	1989-91	04-14-91	9.63	a	05-03-90	19.11	a
07257100 Minnow Creek tributary near Hagarville, Ark.	Lat 35°30'11", long 93°21'56", in SE¼SE¼ sec.19, T.10 N., R.22 W., Johnson County, Hydrologic Unit 11110202, at culvert on State Highway 123, 2.6 mi southwest of Hagarville. Drainage area is .20 mi².	1962-91	04-13-91	4.71	75	04-24-70	6.62	a
*07257200 Little Piney Creek near Lamar, Ark.	Lat 35°26'54", long 93°20'17", in SW¼NE¼ 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 mi².	1978-91	04-13-91	11.60	7,280	12-03-82	15.35	13,300
07257500 Illinois Bayou near Scottsville Ark.	Lat 35°27'58", long 93°02'28", in SE¼SW¼ sec.32, T.10 N., R.19 W., Pope County, Hydrologic Unit 11110202, at bridge on county road, 1.3 mi north of Scottsville. Drainage area is 241 mi².	1948-70† 1971-91	04-14-91	14.07	12,900	12-03-82	27.49	130,000

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Discharge ft³/s	Period of record maximum Date	Gage height ft	Discharge ft³/s
	ARKANSAS RIVER BASIN--CONTINUED							
07258200 Pack Saddle Creek tributary near Waldron, Ark.	Lat 34°58'18", long 94°05'42", in SE¼ SE¼ sec.29, T.4 N., R.29 W., Scott County, Hydrologic Unit 11110105, at culvert on U.S. Highway 71, 5.2 mi north of Waldron. Drainage area is .92 mi².	1961-91	04-14-91	3.38	a	05-13-68	9.42	689
07258500 Petit Jean River near Booneville, Ark.	Lat 35°06'25", long 93°55'25", in NW¼ NW¼ sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville. Drainage area is 241 mi².	1938-84† 1985-91	04-14-91	19.09	8,400	04-16-39	23.42	43,200
07259500 Petit Jean River near Waveland, Ark.	Lat 35°06'17", long 93°37'53", in SE¼ SW¼ sec.11, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, on left bank 0.8 mi downstream from Rock Creek, 1.3 mi south or Waveland. Drainage area is 516 mi².	1939-81† 1981-91	04-13-90	18.63	3,810	04-16-39	29.95	62,600
07260000 Dutch Creek at Waltreak, Ark.	Lat 34°59'15", long 93°36'45", in SE¼ NW¼ sec.24, T.4 N., R.25 W., Yell County, Hydrologic Unit 11110204, on left bank 0.2 mi north of Waltreak. Drainage area is 81.4 mi².	1945-75† 1976-91	04-13-91	14.02	6,030	07-26-69	22.38	24,500
07260400 Petit Jean River near Centerville, Ark.	Lat 35°04'30", long 93°11'58", in NE¼ 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 mi².	1988-90Ψ 1991	04-16-91	19.28	a	05-05-90	26.40	--
*07260673 West Fork Point Remove Creek near Hattieville, Ark.	Lat 35°19'25", long 92°52'22", in NE¼ SE¼ sec.23, T.8 N., R.18 W., Pope County, Hydrologic Unit 11110203, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville. Drainage area is 222 mi².	1978-91	04-13-91	20.20	7,370	12-03-82	26.62	64,100
07260679 East Fork Point Remove Creek tributary near Saint Vincent, Ark.	Lat 35°16'09", long 92°44'00", in NE¼ NE¼ sec.7, T.7 N., R.16 W., Conway County, Hydrologic Unit 11110203, at culvert on State Highway 213, 2.2 mi south of Saint Vincent. Drainage area is .09 mi².	1967-91	04-27-91	6.99	60	12-03-82	8.24	102
07261250 Cadron Creek near Conway, Ark.	Lat 35°06'51", long 92°31'30", in NE¼ SE¼ sec.31, T.6 N., R.14 W., Faulkner County, Hydrologic Unit 11110205, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway. Drainage area is 752 mi².	1979-91	04-15-91	13.39	a	05-07-90	25.80	a
07261800 Brogan Creek near Rover, Ark.	Lat 34°54'27", long 93°24'05", in NW¼ SE¼ sec.13, T.3 N., R.23 W., Yell County, Hydrologic Unit 11110206, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche Lafave River tributary near Rover. Drainage area is 1.04 mi².	1963-91	04-14-91	4.99	185	12-03-82	10.65	a
07262500 Fourche LaFave River near Nimrod, Ark.	Lat 34°57'02", long 93°09'16", in NW¼ SW¼ sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110204, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod. Drainage area is 683 mi².	1936-80† 1981-88 1989-91	04-25-91	9.83	--	02-19-38	29.70	36,100

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Discharge ft³/s	Period of record maximum Date	Gage height ft	Discharge ft³/s
	ARKANSAS RIVER BASIN--CONTINUED							
07263012 Fourche LaFave River near Aplin, Ark.	Lat 34°57'37", long 92°58'50", in E 1/2 NE¼, sec.35, T.4 N., R.19 W., Perry County, Hydrologic Unit 11110204, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin. Drainage area is 957 mi².	1980-91	04-27-91	26.97	12,700	12-03-82	36.10	a
07263100 Fourche LaFave tributary near Perryville, Ark.	Lat 35°01'14", long 92°46'06", in NW¼ SW¼, sec.1, T.4 N., R.17 W., Perry County, Hydrologic Unit 11110206, at culvert on State way 60, 2.2 mi northeast of Perryville. Drainage area is 1.47 mi².	1962-91	12-21-91	8.50	390	12-03-82	11.45	a
07263115 Fourche LaFave River near Houston, Ark.	Lat 35°00'44", long 92°43'24", in NW¼ NE¼, sec.8, T.4 N., R.16 W., Perry County, Hydrologic Unit 11110206, at left bank at downstream side of bridge on State Highway 216, 2.4 mi southwest of Houston. Drainage area is 1,058 mi².	1988-91	04-15-91	28.79	a	05-08-90	37.35	a
07263530 Fourche Creek at Red Gate, Ark.	Lat 34°38'53", long 92°26'20", in NE¼ SE¼, sec.7, T.1 S., R.13 W., Pulaski County, Hydrologic Unit 11110207, 30 ft downstream from bridge on State Highway 5, 0.5 mi east of Red Gate. Drainage area is 32.4 mi².	1978-79, 1981-91	04-18-89 12-21-90	11.23 b12.71	c2,800 4,300	09-13-78	b15.62	a
07263570 Grassy Flat Creek at Little Rock, Ark.	Lat 34°46'01", long 92°22'33", in SW¼ NW¼, sec.35, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, at left bank on downstream side of bridge on Reservoir Road in Little Rock. Drainage area is 3.88 mi².	1978-79, 1981-88 1989-91Ψ	12-21-90	10.88	--	07-12-88	12.74	5,600
07263580 Rock Creek at Little Rock, Ark.	Lat 34°43'13", long 92°21'32", in NW¼ SW¼, sec.13, T.1 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, at west 36th Street bridge in Little Rock. Drainage area is 20.5 mi².	1978-88 1989-91Ψ	04-12-91	8.92	--	09-13-78	18.22	22,500
07263590 Coleman Creek at Little Rock, Ark.	Lat 34°45'07", long 92°20'02", in SE¼ NW¼, sec.6, T.1 N., R.12 W., Pulaski County, Hydrologic Unit 11110207, at Markham and N. Tyler in Little Rock. Drainage area is 1.08 mi².	1990-91	c05-19-90 04-13-91	17.50 15.26	a a	05-19-90	17.50	a
07264050 Bayou Two Prairie near Furlow, Ark.	Lat 34°51'32", long 91°58'48" in SW¼ NW¼, sec.28, T.3 N., R.9 W., Lonoke County, Hydrologic Unit 08020402, at bridge on State Highway 89, 1.8 mi north of Furlow. Drainage area is 84.9 mi².	1988-91	01-06-91	7.72	1,480	12-28-87	9.86	4,550
	RED RIVER BASIN							
07339500 Rolling Fork near DeQueen, Ark.	Lat 34°02'51", long 94°24'47", in SW¼ SW¼, sec.21, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near of span on downstream side of bridge on U.S. Highway 70, 4.0 mi, west of DeQueen. Drainage area is 182 mi².	1948-80† 1981-91	01-07-91	9.64	2,120	12-10-71	24.23	71,000
07340500 Cossatot River near DeQueen, Ark.	Lat 34°02'45", long 94°12'42", in NE¼ NE¼, 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 mi².	1938-80† 1981-91	03-08-90 10-08-90	14.77 11.96	c15,400 8,080	05-13-68	22.60	122,000

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Dis-charge ft³/s	Period of record maximum Date	Gage height ft	Dis-charge ft³/s
	RED RIVER BASIN--CONTINUED							
07341000 Saline River near Dierks, Ark.	Lat 34°05'45", long 94°05'04", in NW¼ SW¼ 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 mi².	1938-80† 1981-91	12-21-90	11.28	3,600	05-13-68	22.95	59,200
Dillard Creek near Nashville, Ark. 07341260	Lat 33°56'38", long 93°54'45", in NE¼ NE¼ sec.30, T.9 S., R.27 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 24, 4.1 mi west of Nashville. Drainage area is 5.82 mi².	1989-91	10-08-90	7.17	a	03-08-90	8.36	a
07348635 Big Creek tributary at Magnolia, Ark.	Lat 33°15'51", long 93°13'56", in NW¼ NE¼ sec.13, T.17 S., R.21 W., Columbia County, Hydrologic Unit 11140203, at Dudney and Grayson St. in Magnolia. Drainage area is .34 mi².	1990-91	04-28-91	17.70	a	04-28-91	17.70	a
Lewis Creek tributary near Mena, Ark. 07355800	Lat 34°37'15", long 94°12'15", in NE¼ SW¼ sec.33, T.1 S., R.30 W., Polk County, Hydrologic Unit 08040101, at culvert on U.S. Highway 71, 3.1 mi northeast of Mena. Drainage area is .65 mi².	1961-91	10-08-90	6.23	560	10-08-90	6.23	560
07357740 Bear Creek near Royal, Ark.	Lat 34°30'30", long 93°15'21", in NE¼ NW¼ sec.4, T.3 S., R.21 W., Garland County, Hydrologic Unit 08040101, at bridge on U.S. Highway 270, 1.0 mi west of Royal. Drainage area is 5.99 mi².	1989-91	--	<3.32	a	03-08-90	6.42	a
Rock Creek near Glenwood, Ark. 07359710	Lat 34°18'34", long 93°32'21", in NW¼ NE¼ sec.14, T.5 S., R.24 W., Pike County, Hydrologic Unit 08040102, at bridge on State Highway 8, 1.3 mi southeast of Glenwood. Drainage area is 8.62 mi².	1989-91	05-20-90 12-18-90	13.58 10.93	c7,450 4,400	05-20-90	13.58	7,450
07359805 Valley Creek near Point Cedar, Ark.	Lat 34°19'17", long 93°15'24", in NW¼ NE¼ sec.9, T.5 S., R.21 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi east of Point Cedar. Drainage area is 7.62 mi².	1989-91	a	a	a	05-20-90	16.9	10,500
07360100 L'Eau Frais at Joan, Ark.	Lat 34°06'27", long 92°55'22", in SW¼ NE¼ sec.22, T.7 S., R.18 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 128, 0.7 mi southeast of Joan. Drainage area is 74.2 mi².	1989-91	10-09-90	4.85	a	03-08-90	6.41	a
07360200 Little Missouri River near Langley, Ark.	Lat 34°18'41", long 93°53'58", in NW¼ SW¼ sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 3.3 mi west of Langley. Drainage area is 68.4 mi².	1989-91	10-08-90	10.18	a	03-08-90	14.0	a
07360225 Little Blocker Creek near Langley, Ark.	Lat 34°18'41", long 93°49'06", in SE¼ NE¼ sec.18, T.5 S., R.26 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.3 mi east of Langley. Drainage area is 5.74 mi².	1989-91	04-14-91	7.22	a	03-08-90	9.39	a
07361180 South Fork Ozan Creek near Ozan, Ark.	Lat 33°49'15", long 93°42'28", in SE¼ SW¼ sec.5, T.11 S., R.25 W., Hempstead County, Hydrologic Unit 08040103, at bridge on State Highway 4, 2.0 mi south of Ozan. Drainage area is 17.7 mi².	1963-91	10-08-90	20.31	3,100	04-19-73	25.06	8,360

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Discharge ft³/s	Period of record maximum Date	Gage height ft	Discharge ft³/s
	RED RIVER BASIN--CONTINUED							
07361760 Bell Creek near Hollywood, Ark.	Lat 34°05'47", long 93°16'53", in NW¼NE¼ sec.31, T.7 S., R.21 W., Clark County, Hydrologic Unit 08040103, at bridge on State Highway 26, 2.0 mi west of Hollywood. Drainage area is 9.22 mi².	1988-91	01-06-91	9.35	a	12-26-87	14.0	a
07361894 Mill Creek near Holly Springs, Ark.	Lat 33°46'01", long 92°39'52", in SE¼SW¼ sec.17, T.11 S., R.15 W., Ouachita County, Hydrologic Unit 08040102, at bridge on State Highway 203, 4.2 mi southeast of Holly Springs. Drainage area is 9.01 mi².	1989-91	04-13-91	11.99	a	03-08-90	13.07	a
07362330 Dunn Creek near Hampton, Ark.	Lat 33°32'05", long 92°30'55", in SE¼NW¼ sec.2, T.14 S., R.14 W., Calhoun County, Hydrologic Unit 08040201, at bridge on State Highway 4, 2.8 mi west of Hampton. Drainage area is 13.6 mi².	1962-91	04-28-91	8.29	1,330	05-01-66	10.11	4,240
07362500 Moro Creek near Fordyce, Ark.	Lat 33°47'32", long 92°20'00, in NW¼NW¼ sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, Hydrologic Unit 08040201, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce. Drainage area is 240 mi².	1952-83† 1984-91	04-30-91	14.87	14,300	05-02-58	16.47	26,800
07362715 Big Creek near Crow, Ark.	Lat 34°37'00", long 92°43'35", in NE¼NW¼ sec.28, T.1 S., R.16 W., Saline County, Hydrologic Unit 08040203, at bridge on State Highway 5, 2.5 mi east of Crow. Drainage area is 4.7 mi².	1988-91	c11-19-88 10-09-90	5.36 4.73	a a	12-28-87	5.78	a
07363000 Saline River at Benton, Ark.	Lat 34°34'05", long 92°36'40", in SE¼NE¼ sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork. Drainage area is 550 mi².	1951-79† 1980-91	04-29-91	20.02	22,900	01-30-69	29.68	100,000
07363200 Saline River near Sheridan, Ark.	Lat 34°06'56", long 92°24'21", in NE¼NW¼ sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 0840203, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan. Drainage area is 1,123 mi².	1971-82† 1983-91	05-01-91	17.44	20,500	12-28-87	22.66	73,900
07363435 Derrieusseaux Creek near Grapevine, Ark.	Lat 34°08'44", long 92°14'38", in NE¼NW¼ sec.5, T.7 S., R.11 W., Grant County, Hydrologic Unit 08040203, at bridge on State Highway 54, 4.2 mi east of Grapevine. Drainage area is 77.0 mi².	1989-91	04-29-91	10.44	1,350	12-26-87	10.74	1,460
07364030 L'Aigle Creek tributary near Hermitage, Ark.	Lat 33°24'48", long 92°12'33", in SE¼NW¼ sec.14, T.15 S., R.11 W., Bradley County, Hydrologic Unit 08040204, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage. Drainage area is .36 mi².	1963-91	04-14-91	7.06	a	04-14-91	7.06	a
07364110 Nevins Creek tributary near Pine Bluff, Ark.	Lat 34°10'08", long 92°05'12", in NW¼SE¼ sec.26, T.6 S., R.10 W., Jefferson County, Hydrologic Unit 08040205, at culvert on U.S. Highway 79, 6.0 mi southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew Tributary near Pine Bluff. Drainage area is .75 mi².	1961-91	04-29-91	9.37	470	09-24-84	10.58	a

"See footnotes at end of table."

Annual maximum discharge at crest-stage partial-record stations--Continued

Station number and name	Location and drainage area	Period of record	Water year 1991 maximum Date	Gage height ft	Discharge ft³/s	Period of record maximum Date	Gage height ft	Discharge ft³/s
	RED RIVER BASIN--CONTINUED							
07364128 Deep Bayou near Grady, Ark.	Lat 34°02'02", long 91°42'32", in NW¼NW¼ sec.16, T.8 S., R.6 W., Lincoln County, Hydrologic Unit 08040205, at bridge on State Highway 11, 2.7 mi south of Grady. Drainage area is 102 mi².	1989-91	04-22-91	15.25	2,030	07-18-89	18.1	a
07364550 Caney Creek tributary near El Dorado, Ark.	Lat 33°11'22", long 92°36'28", in NE¼NW¼ sec.1, T.18 S., R.15 W., Union County, Hydrologic Unit 08040202, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado. Drainage area is .07 mi².	1961-91	04-28-91	9.09	122	06-08-74	12.40	978
07365800 Cornie Bayou near Three Creeks, Ark.	Lat 33°02'21", long 92°56'15", in SW¼NW¼ sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 6.0 mi southwest of Three Creeks. Drainage area is 180 mi².	1956-88† 1990-91	04-28-91	13.59	17,500	06-08-74	17.50	65,000

a Not determined.
b From floodmarks.
c Revised.
d Prior to December 20, 1989 at datum 2.00 ft higher.

† Operated as a continuous-record gaging station.
¥Operated as a stage-only station.
* Also a low-flow partial-record station.

Special Study and Miscellaneous Sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES DURING WATER YEAR 1991

Stream	Tributary to	Location	Drainage area (mi2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft3/s)
		ST. FRANCIS RIVER BASIN				
07047947 Second Creek	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW¼ SE¼ 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)	1986-90	11-15-90 03-26-91 07-31-91 10-08-91	b.14 17.9 23.7 b.50
		WHITE RIVER BASIN				
07048550 West Fork White River	White River	Lat 36°03'00", long 94°04'42", in NW¼ sec.20, T.16 N., R.30 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi north of State Highway 16, and 4.3 mi east of Fayetteville.	(a)	1986-90	12-14-90 03-19-91 06-14-91 09-12-91	53.7 188 7.92 .82
07069170 Spring River	Black River	Lat 36°30'10", long 91°31'31", in SE¼ SE¼ 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, 1983-90	12-06-90 02-28-91 05-20-91	97.3 94.6 319
07069295 South Fork Spring River	Spring River	Lat 36°21'00", long 91°38'00", in NW¼ NW¼ sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi southeast of Saddle.	(a)	1974-90	12-06-90 04-09-91 07-10-91	235 433 49.8
07076950 Wattensaw Bayou	White River	Lat 34°52'34", long 91°33'56", in SE¼ SE¼ 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.	192	1984-90	10-11-90 03-26-91 07-31-91	2,550 b10 b3
		ARKANSAS RIVER BASIN				
07188910 Butler Creek	Elk River	Lat 36°30'44", long 94°28'54", in NW¼ NW¼ sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at county bridge about 500 ft west of State Highway 59, 0.9 mi north of State line along Highway 59, and 2.0 mi northwest of Sulphur Springs.	34.9	1971-90	12-13-90 03-19-91 06-13-91 09-13-91	150 15.9 8.92 3.05
07194800 Illinois River	Arkansas River	Lat 36°06'11", long 94°20'39", in NW¼ SE¼ sec.36, T.17N., R.32W, Washington County, Hydrologic Unit 11110103 at bridge on State Highway 16 at Savoy.	167	1957-63c 1974-78 1979-81d 1982-85 1990	12-14-90 03-19-91 06-13-91 09-13-91	57.7 101 21.9 6.20
07195000 Osage Creek	Illinois River	Lat 36°13'19", long 94°17'18", in SW¼ NE¼ 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.	130	1950-75d 1977, 1982-90	12-14-90 03-19-91 06-13-91 09-12-91	81.5 103 83.0 43.1
07195400 Illinois River	Arkansas River	Lat 36°08'41", long 94°29'41", in SW¼ SW¼ 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	1979-81d 1982-85 1986d 1987-90	12-14-90 03-20-91 06-13-91 09-12-91	272 337 189 94.9
07246950 Poteau River	Arkansas River	Lat 34°54'47", long 94°06'28", in SE¼ SW¼ sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	(a)	1986-90	12-07-90 03-21-91 05-09-91 08-27-91	2.85 1.60 5.32 0

"See footnotes at end of table."

Special study and miscellaneous sites--Continued

DISCHARGE MEASUREMENTS MADE AT SPECIAL STUDY AND MISCELLANEOUS SITES DURING WATER YEAR 1991

Stream	Tributary to	Location	Drainage area (mi2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft3/s)
		ARKANSAS RIVER BASIN--CONTINUED				
07260620 Chickalah Creek	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW¼ 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.	39.1	1964-67c 1986-90	12-06-90 04-04-91 06-26-91	1.51 47.5 8.36
		RED RIVER BASIN				
e07338720 Mountain Fork	Little River	Lat 34°30'18", long 94°25'50", in NE¼ NE¼ sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108 at bridge on State Highway 246, 3.1 mi northwest of Hatfield.	168	1962-67c 1971-73 1986-90	12-19-90 03-21-91 05-09-91 07-23-91	534 113 232 5.56
f07344300 Days Creek	Sulphur River	Lat 33°19'06", long 94°00'16", in NE¼ SE¼ 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	1973-90	03-28-91 07-29-91	36.7 22.2
073494000 Bodcau Creek	Red Chute Bayou	Lat 33°15'42", long 93°33'05", in SE¼ sec.14, T.17 S., R.14 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	297	1974-85, 1987-90	03-280-91	46.3
07359770 Caddo River	Ouachita River	Lat 34°17'05", long 93°24'56", in NW¼ SE¼ 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.	291	1987-90	07-31-91	340
07360200 Little Missouri	Ouachita River	Lat 34°18'41", long 93°53'58", in SW¼ sec.16, T.5 S., R.26 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 3.3 mi west of Langley.	68.4	1958-63d 1974-90	03-27-91	63.4
07362550 Moro Creek	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi west of Banks.	385	1958-63d 1974-90	10-03-90 12-18-90 03-19-91 09-11-91	0 354 116 2.99
07363270 Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW¼ sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	66.0	1974-90	10-01-90 02-07-91 06-20-91	14.3 55.5 10.1
07364115 Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW¼ sec.22, T.7 W., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 south of Ladd.	(a)	1968, 1974-90	12-05-90 06-17-91 09-11-91	158 21.7 9.48
e07364600 Bayou DeLoutre	Ouachita River	Lat 33°05'55", long 92°35'32", SE¼ NW¼ 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,b 1971-75, 1978-85	12-13-89 03-21-90 07-09-90 10-04-90 12-18-90 03-20-91 06-18-91 09-05-91	g26.3 g40.2 g4.95 13.5 193 34.7 65.8 240

a Not determined.
b Estimated.
c Operated as a low-flow partial-record station.
d Operated as a continuous-record station.
e Also a low-flow partial-record station.
f Operated as a stage station by U.S. Army Corps of Engineers.
g Not previously published

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected less than monthly.

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, ARKANSAS
(LAT 36°06'10" LONG 094°00'25")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
28...	1330	80513	80513	0.0	2.0	--	--	737	--	--	--
28...	1335	80513	80020	1.00	2.0	127	7.6	737	26.0	8.8	111
AUG											
12...	1355	80513	81213	--	--	198	8.1	735	28.0	10.9	145

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
28...	1330	>0.61	K180	--	--	--	--	--	--
28...	1335	--	--	5	6.0	2.6	60	21	1.8
AUG									
12...	1355	<0.30	31	5	1.1	1.1	83	29	2.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
28...	1335	54	<0.010	0.240	0.030	0.020	0.010	0.500	<0.100
AUG									
12...	1355	80	<0.010	<0.020	0.020	0.040	0.010	1.90	<0.100

WHITE RIVER BASIN--CONTINUED

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARKANSAS
(LAT 36°06'14" LONG 094°00'26")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
28...	1445	80513	80513	0.0	42.0	121	8.1	737	30.5	9.2	126
28...	1446	80513	80020	3.00	42.0	121	8.1	737	29.5	9.2	125
28...	1447	80513	80513	4.00	42.0	114	7.8	737	27.0	8.4	109
28...	1448	80513	80513	5.00	42.0	112	7.5	737	26.5	6.8	88
28...	1449	80513	80513	6.00	42.0	109	7.1	737	26.0	5.7	73
28...	1450	80513	80513	10.0	42.0	119	6.8	737	25.0	4.2	53
28...	1451	80513	80513	12.0	42.0	124	6.7	737	24.5	3.7	46
28...	1452	80513	80513	15.0	42.0	131	6.6	737	23.0	1.7	20
28...	1453	80513	80513	17.0	42.0	140	6.6	737	22.0	1.4	17
28...	1454	80513	80513	18.0	42.0	139	6.6	737	21.5	1.1	13
28...	1455	80513	80513	19.0	42.0	140	6.6	737	20.5	0.8	9
28...	1456	80513	80513	20.0	42.0	133	6.6	737	20.0	0.6	7
28...	1457	80513	81213	21.0	42.0	129	6.6	737	19.5	0.5	6
28...	1458	80513	80513	25.0	42.0	128	6.5	737	18.5	0.5	5
28...	1459	80513	80513	30.0	42.0	140	6.6	737	18.0	0.4	4
28...	1500	80513	80513	35.0	42.0	158	6.7	737	17.0	0.4	4
28...	1501	80513	80513	40.0	42.0	169	6.8	737	16.5	0.4	4
28...	1502	80513	80513	42.0	42.0	173	6.9	737	16.0	0.4	4
AUG											
12...	1440	80513	80513	0.0	36.0	144	8.7	736	29.0	9.0	121
12...	1441	80513	80020	3.00	36.0	145	8.7	736	29.0	9.0	121
12...	1442	80513	80513	10.0	36.0	147	7.9	736	28.0	5.6	74
12...	1443	80513	81213	18.0	38.0	156	7.2	736	27.5	3.0	39
12...	1444	80513	80513	20.0	36.0	159	7.2	736	27.5	3.7	49
12...	1445	80513	80513	25.0	36.0	170	7.1	736	27.0	2.2	29
12...	1446	80513	80513	30.0	36.0	193	7.0	736	25.5	1.6	20
12...	1447	80513	80513	31.0	36.0	213	7.0	736	23.5	1.7	21
12...	1448	80513	80513	32.0	36.0	225	7.1	736	22.0	1.7	21
12...	1449	80513	80513	34.0	36.0	236	7.1	736	21.0	1.8	21
12...	1450	80513	80513	36.0	36.0	239	7.1	736	20.5	1.8	20

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
28...	1445	1.10	1	--	--	--	--	--	--
28...	1457	--	--	5	15	3.2	65	23	1.8
AUG									
12...	1440	1.30	1	--	--	--	--	--	--
12...	1443	--	--	10	9.4	0.9	68	24	2.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
28...	1446	--	--	--	--	--	--	3.10	0.400
28...	1457	56	0.070	0.520	0.170	0.030	0.020	--	--
AUG									
12...	1441	--	--	--	--	--	--	0.900	<0.100
12...	1443	66	<0.010	<0.020	0.080	0.100	0.050	--	--

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, ARKANSAS
(LAT 36°16'03" LONG 093°56'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
28...	1545	80513	81213	0.0	2.0	--	--	735	--	--	--
28...	1546	80513	80020	1.00	2.0	157	7.6	735	26.0	8.1	104
AUG											
12...	1545	80513	80020	0.50	1.0	245	7.6	736	27.0	7.8	101

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
28...	1545	<0.61	48	--	--	--	--	--	--
28...	1546	--	--	5	1.8	2.2	74	27	1.6
AUG									
12...	1545	<0.30	20	5	1.4	0.9	110	42	2.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
28...	1546	72	<0.010	0.470	0.020	<0.010	0.010	1.20	0.200
AUG									
12...	1545	106	<0.010	0.200	0.010	0.030	0.010	1.50	<0.100

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARKANSAS
(LAT 36°15'31" LONG 094°04'09")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
29...	0830	80513	80513	0.0	80.0	101	8.3	735	28.0	8.7	115
29...	0831	80513	80020	3.00	80.0	102	8.3	735	28.0	8.3	110
29...	0832	80513	80513	9.00	80.0	102	8.3	735	27.5	8.2	108
29...	0833	80513	80513	10.0	80.0	101	8.6	735	25.0	9.2	116
29...	0834	80513	80513	12.0	80.0	102	8.1	735	24.0	7.6	94
29...	0835	80513	80513	15.0	80.0	103	7.6	735	23.5	7.0	86
29...	0836	80513	80513	16.0	80.0	103	7.4	735	23.0	6.9	84
29...	0837	80513	80513	19.0	80.0	103	6.9	735	21.5	5.2	61
29...	0838	80513	80513	20.0	80.0	102	6.8	735	21.0	5.0	58
29...	0839	80513	80513	22.0	80.0	99	6.8	735	20.0	5.0	57
29...	0840	80513	80513	25.0	80.0	98	6.7	735	19.0	4.7	52
29...	0841	80513	80513	30.0	80.0	104	6.6	735	18.5	3.5	38
29...	0842	80513	80513	35.0	80.0	113	6.6	735	17.0	2.6	28
29...	0843	80513	80513	45.0	80.0	106	6.7	735	16.0	2.9	31
29...	0844	80513	80513	45.0	80.0	105	6.7	735	15.0	3.1	32
29...	0845	80513	80513	45.0	80.0	107	6.7	735	14.5	3.0	30
29...	0846	80513	80513	55.0	80.0	110	6.7	735	13.5	2.6	25
29...	0847	80513	80513	60.0	80.0	115	6.7	735	12.5	2.6	25
29...	0848	80513	80513	64.0	80.0	117	6.8	735	12.0	2.6	25
29...	0849	80513	80513	70.0	80.0	119	6.8	735	11.0	2.4	22
29...	0850	80513	80513	80.0	80.0	120	6.9	735	11.0	1.9	18
AUG											
13...	0730	80513	80513	0.0	70.0	127	8.0	734	28.0	7.0	92
13...	0731	80513	80020	3.00	70.0	127	8.0	734	28.0	6.9	92
13...	0732	80513	80513	10.0	70.0	127	8.0	734	28.0	6.9	91
13...	0733	80513	81213	14.0	70.0	127	8.0	734	28.0	6.8	91
13...	0734	80513	80513	20.0	70.0	129	7.8	734	27.5	6.0	79
13...	0735	80513	80513	27.0	70.0	146	7.1	734	26.5	1.6	21
13...	0736	80513	80513	30.0	70.0	169	6.9	734	25.0	1.5	19
13...	0737	80513	80513	31.0	70.0	178	6.9	734	23.5	1.5	18
13...	0738	80513	80513	33.0	70.0	177	6.9	734	22.5	1.5	19
13...	0739	80513	80513	34.0	70.0	173	6.9	734	21.5	1.6	19
13...	0740	80513	80513	35.0	70.0	169	6.9	734	20.0	1.6	18
13...	0741	80513	80513	36.0	70.0	164	6.9	734	19.5	1.6	19
13...	0742	80513	80513	39.0	70.0	156	6.9	734	18.5	1.7	19
13...	0743	80513	80513	40.0	70.0	153	6.9	734	18.0	1.8	20
13...	0744	80513	80513	43.0	70.0	151	7.0	734	16.5	1.8	19
13...	0745	80513	80513	47.0	70.0	144	7.0	734	16.0	1.8	19
13...	0746	80513	80513	50.0	70.0	145	7.0	734	15.0	1.8	19
13...	0747	80513	80513	55.0	70.0	143	7.1	734	14.0	1.9	19
13...	0748	80513	81213	56.0	70.0	142	7.1	734	13.5	1.8	19
13...	0749	80513	80513	60.0	70.0	141	7.1	734	13.0	1.9	19
13...	0750	80513	80513	65.0	70.0	145	7.1	734	12.5	2.0	19
13...	0751	80513	80513	70.0	70.0	150	7.1	734	12.5	2.0	19

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
29...	0830	1.50	1	--	--	--	--	--	--
29...	0836	--	--	5	1.6	2.4	46	16	1.4
29...	0848	--	--	10	26	2.1	54	19	1.5
AUG									
13...	0730	3.50	0	--	--	--	--	--	--
13...	0733	--	--	5	0.53	0.6	56	20	1.5
13...	0748	--	--	30	32	1.0	62	22	1.7

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARKANSAS--CONTINUED
(LAT 36°15'31" LONG 094°04'09")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	0836	42	0.010	0.250	0.020	<0.010	0.010	--	--
29...	0848	40	<0.010	0.930	0.020	0.020	0.030	--	--
AUG									
13...	0731	--	--	--	--	--	--	13.0	<0.100
13...	0733	64	<0.010	<0.020	0.010	0.030	0.010	--	--
13...	0748	66	0.020	0.140	0.290	0.070	0.060	--	--

07049230 BEAVER LAKE AT MONTE NE, ARKANSAS
(LAT 36°16'56" LONG 094°04'30")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
29...	0800	80513	80513	0.0	6.0	115	7.8	753	28.5	7.7	101
29...	0801	80513	80513	1.00	6.0	115	7.8	753	29.0	7.6	100
29...	0802	80513	80513	2.00	6.0	115	7.8	753	29.0	7.6	99
29...	0803	80513	80020	3.00	6.0	115	7.8	753	29.0	7.7	101
29...	0804	80513	80513	4.00	6.0	115	7.8	753	29.0	7.5	98
29...	0805	80513	80513	5.00	6.0	121	7.6	753	28.5	7.1	93
29...	0806	80513	80513	6.00	6.0	134	7.2	753	27.5	6.3	81
AUG											
13...	0810	80513	80513	0.0	10.0	137	8.3	734	28.0	7.7	102
13...	0811	80513	80020	3.00	10.0	137	8.3	734	28.0	7.6	101
13...	0812	80513	81213	5.00	10.0	137	8.3	734	28.0	7.6	101
13...	0813	80513	80513	10.0	10.0	137	8.3	734	28.0	7.6	101

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
29...	0800	1.50	3	--	--	--	--	--	--
29...	0803	--	--	5	0.86	2.4	53	19	1.4
AUG									
13...	0810	1.60	10	--	--	--	--	--	--
13...	0812	--	--	5	2.3	0.9	64	23	1.5

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	0803	46	0.010	0.300	0.030	0.010	0.010	0.700	<0.100
AUG									
13...	0811	--	--	--	--	--	--	3.30	<0.100
13...	0812	64	<0.010	0.050	0.020	0.020	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARKANSAS
(LAT 36°19'57" LONG 094°01'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
29...	1010	80513	80513	0.0	115	104	8.8	735	28.0	9.3	124
29...	1011	80513	80020	3.00	115	105	8.8	735	28.0	9.2	123
29...	1012	80513	80513	8.00	115	105	8.9	735	27.0	9.2	120
29...	1013	80513	80513	10.0	115	106	9.0	735	26.5	11.0	142
29...	1014	80513	80513	13.0	115	108	9.0	735	25.5	10.6	135
29...	1015	80513	80513	16.0	115	110	8.8	735	24.5	9.8	122
29...	1016	80513	80513	17.0	115	110	8.5	735	23.5	8.5	103
29...	1017	80513	80513	18.0	115	110	7.9	735	22.5	7.6	91
29...	1018	80513	80513	20.0	115	108	7.3	735	21.5	6.3	74
29...	1019	80513	80513	21.0	115	107	7.1	735	20.0	5.4	62
29...	1020	80513	81213	23.0	115	102	6.9	735	19.0	5.1	58
29...	1021	80513	80513	26.0	115	99	6.8	735	18.5	5.0	56
29...	1022	80513	80513	30.0	115	100	6.7	735	18.0	4.6	50
29...	1023	80513	80513	37.0	115	103	6.8	735	16.5	4.5	48
29...	1024	80513	80513	40.0	115	106	6.8	735	16.0	4.6	49
29...	1025	80513	80513	45.0	115	109	6.8	735	15.0	4.9	50
29...	1026	80513	80513	50.0	115	110	6.8	735	14.5	5.2	53
29...	1027	80513	80513	55.0	115	116	6.9	735	13.5	5.7	57
29...	1028	80513	80513	60.0	115	119	7.0	735	12.5	6.1	59
29...	1029	80513	80513	65.0	115	118	7.0	735	11.5	6.1	58
29...	1030	80513	80513	70.0	115	118	7.0	735	11.0	5.9	55
29...	1031	80513	80513	80.0	115	118	7.0	735	10.0	5.2	48
29...	1032	80513	80513	90.0	115	117	7.0	735	10.0	4.7	43
29...	1033	80513	81213	92.0	115	118	7.0	735	10.0	4.5	41
29...	1034	80513	80513	100	115	119	7.0	735	9.5	4.2	38
29...	1036	80513	80513	115	115	122	7.0	735	9.5	3.5	32

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
29...	1010	1.90	0	--	--	--	--	--	--
29...	1020	--	0	5	3.7	2.3	49	17	1.5
29...	1033	--	--	5	5.1	1.8	57	20	1.6

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	1011	--	--	--	--	--	--	1.60	<0.100
29...	1020	50	<0.010	0.490	0.020	0.010	0.010	--	--
29...	1033	42	<0.010	0.940	0.010	0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARKANSAS--CONTINUED
(LAT 36°19'57" LONG 094°01'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
13...	0935	80513	80513	0.0	110	125	8.4	735	27.5	7.5	98
13...	0936	80513	80020	3.00	110	126	8.5	735	27.5	7.5	98
13...	0937	80513	80513	10.0	110	126	8.5	735	27.5	7.5	99
13...	0938	80513	80513	20.0	110	126	8.5	735	27.5	7.5	99
13...	0940	80513	81213	22.0	110	127	8.5	735	27.5	7.5	98
13...	0941	80513	80513	27.0	110	126	7.4	735	26.5	2.7	35
13...	0942	80513	80513	29.0	110	127	7.0	735	25.0	1.7	22
13...	0943	80513	80513	30.0	110	128	6.9	735	23.5	1.7	21
13...	0944	80513	80513	31.0	110	127	6.8	735	22.5	1.7	21
13...	0945	80513	80513	32.0	110	128	6.8	735	20.5	1.9	22
13...	0946	80513	80513	34.0	110	127	6.8	735	20.0	1.9	22
13...	0947	80513	80513	36.0	110	125	6.8	735	19.0	2.0	22
13...	0948	80513	80513	40.0	110	123	6.8	735	18.0	2.0	22
13...	0949	80513	80513	41.0	110	123	6.8	735	16.5	1.8	19
13...	0950	80513	80513	44.0	110	123	6.9	735	16.0	1.8	19
13...	0951	80513	80513	47.0	110	122	6.9	735	15.0	1.9	19
13...	0952	80513	80513	50.0	110	122	6.9	735	14.5	2.0	20
13...	0953	80513	80513	55.0	110	125	6.9	735	13.5	2.4	24
13...	0954	80513	80513	60.0	110	126	6.9	735	13.0	2.7	27
13...	0955	80513	80513	70.0	110	127	6.9	735	12.0	2.9	28
13...	0956	80513	80513	88.0	110	141	7.0	735	10.5	2.2	20
13...	0957	80513	80513	80.0	110	134	7.0	735	11.0	2.3	21
13...	0958	80513	80513	90.0	110	141	7.0	735	10.5	2.1	20
13...	0959	80513	80513	100	110	142	7.1	735	10.0	2.1	20
13...	1000	80513	80513	110	110	145	7.1	735	10.0	2.1	19

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
13...	0935	3.30	35	--	--	--	--	--	--
13...	0940	--	--	5	1.1	0.5	54	19	1.6
13...	0956	--	--	5	3.6	0.4	57	20	1.6

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
13...	0936	--	--	--	--	--	--	1.60	<0.100
13...	0940	58	<0.010	<0.020	<0.010	<0.500	<0.010	--	--
13...	0956	58	0.010	0.830	0.020	0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARKANSAS
(LAT 36°20'48" LONG 094°04'57")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
29...	1135	80513	80513	0.0	6.0	113	8.8	735	29.5	9.6	130
29...	1136	80513	80513	1.00	6.0	113	8.8	735	29.5	9.5	130
29...	1137	80513	80513	2.00	6.0	113	8.8	735	29.5	9.7	132
29...	1138	80513	81213	3.00	6.0	113	8.9	735	29.0	10.0	136
29...	1139	80513	80513	4.00	6.0	117	8.7	735	29.0	9.9	133
29...	1140	80513	80513	5.00	6.0	117	8.8	735	28.5	10.4	139
29...	1141	80513	80513	6.00	6.0	118	8.8	735	28.0	9.9	131
AUG											
13...	1110	80513	80513	0.0	6.0	133	7.5	738	27.5	7.7	101
13...	1111	80513	81213	3.00	6.0	134	8.1	738	27.5	7.5	98
13...	1112	80513	80513	6.00	6.0	135	8.1	738	27.5	7.2	94

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
29...	1135	1.50	1	--	--	--	--	--	--
29...	1138	--	--	5	3.1	6.0	51	18	1.4
AUG									
13...	1110	1.30	7	--	--	--	--	--	--
13...	1111	--	--	5	3.1	0.8	57	20	1.6

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	1138	54	0.010	0.150	0.010	0.010	0.010	2.70	0.300
AUG									
13...	1111	58	<0.010	<0.020	0.010	0.030	0.010	3.50	<0.100

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, ARKANSAS
(LAT 36°22'10" LONG 094°03'38")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
29...	1105	80513	80513	0.0	8.0	111	8.9	735	29.0	8.9	121
29...	1106	80513	80513	1.00	8.0	111	8.9	735	29.0	8.7	118
29...	1107	80513	80513	2.00	8.0	111	8.9	735	29.0	8.5	116
29...	1108	80513	80020	3.00	8.0	112	8.8	735	29.0	8.6	117
29...	1109	80513	80513	4.00	8.0	112	8.8	735	29.0	8.6	117
29...	1110	80513	80513	5.00	8.0	112	8.8	735	29.0	8.5	115
29...	1111	80513	80513	6.00	8.0	112	8.8	735	29.0	9.5	128
29...	1112	80513	80513	7.00	8.0	113	8.8	735	29.0	8.8	119
29...	1113	80513	80513	8.00	8.0	136	8.2	735	28.0	7.3	96
AUG											
13...	1050	80513	80513	0.0	6.0	130	8.4	738	27.5	7.5	99
13...	1051	80513	80020	3.00	6.0	130	8.4	738	27.5	7.5	99
13...	1052	80513	80513	4.00	6.0	130	8.4	738	27.5	7.4	97
13...	1053	80513	80513	6.00	6.0	132	8.4	738	27.0	7.3	95

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
29...	1105	1.60	1	--	--	--	--	--	--
29...	1109	--	--	5	2.5	2.4	51	18	1.4
AUG									
13...	1050	0.98	4	--	--	--	--	--	--
13...	1051	--	--	5	1.3	0.8	56	20	1.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
29...	1108	--	--	--	--	--	--	2.70	0.200
29...	1109	46	0.010	0.200	0.010	<0.010	0.010	--	--
AUG									
13...	1051	62	<0.010	<0.020	0.010	0.050	0.010	1.00	<0.100

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MISSOURI
(LAT 36°31'22" LONG 093°43'26")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
30...	0730	80513	80513	0.0	56.0	169	8.5	736	27.5	9.6	126
30...	0731	80513	80020	3.00	56.0	169	8.6	736	27.5	9.5	125
30...	0732	80513	80513	7.00	56.0	169	8.6	736	27.5	9.8	128
30...	0733	80513	80513	10.0	56.0	171	8.6	736	27.5	10.5	138
30...	0735	80513	81213	11.0	56.0	172	8.6	736	25.0	10.6	134
30...	0736	80513	80513	12.0	56.0	173	8.5	736	24.5	10.4	130
30...	0737	80513	80513	14.0	56.0	177	8.3	736	23.5	9.7	118
30...	0738	80513	80513	16.0	56.0	176	8.1	736	22.5	8.6	103
30...	0739	80513	80513	18.0	56.0	177	8.0	736	21.5	8.5	100
30...	0740	80513	80513	20.0	56.0	176	7.9	736	21.0	8.3	96
30...	0741	80513	80513	24.0	56.0	169	7.8	736	20.0	7.9	90
30...	0742	80513	80513	27.0	56.0	162	7.6	736	18.5	7.5	84
30...	0745	80513	80513	30.0	56.0	159	7.5	736	18.5	7.5	83
30...	0746	80513	80513	35.0	56.0	155	7.4	736	17.5	7.1	77
30...	0747	80513	80513	37.0	56.0	150	7.3	736	16.5	7.0	74
30...	0748	80513	80513	40.0	56.0	145	7.3	736	15.5	7.0	73
30...	0749	80513	80513	42.0	56.0	139	7.3	736	14.5	7.0	71
30...	0750	80513	81213	44.0	56.0	137	7.3	736	14.0	7.0	70
30...	0751	80513	80513	50.0	56.0	130	7.3	736	13.0	7.1	70
30...	0752	80513	80513	56.0	56.0	125	7.2	736	12.5	7.0	68
AUG											
14...	1415	80513	80513	0.0	52.0	183	8.3	738	28.5	7.0	93
14...	1416	80513	80020	3.00	52.0	183	8.3	738	28.5	6.9	92
14...	1417	80513	81213	10.0	52.0	182	8.4	738	28.0	7.0	93
14...	1418	80513	80513	20.0	52.0	183	8.4	738	27.5	6.6	86
14...	1419	80513	80513	25.0	52.0	181	7.7	738	26.0	4.6	59
14...	1420	80513	80513	27.0	52.0	174	7.6	738	25.0	4.0	50
14...	1421	80513	80513	28.0	52.0	169	7.5	738	24.0	4.3	53
14...	1422	80513	80513	30.0	52.0	165	7.4	738	23.0	4.4	53
14...	1423	80513	80513	32.0	52.0	159	7.4	738	22.0	4.8	57
14...	1424	80513	80513	34.0	52.0	158	7.4	738	21.0	5.0	58
14...	1425	80513	80513	35.0	52.0	155	7.4	738	20.0	5.1	58
14...	1426	80513	80513	37.0	52.0	149	7.4	738	18.5	5.4	59
14...	1427	80513	80513	39.0	52.0	147	7.3	738	17.5	5.6	60
14...	1428	80513	81213	40.0	52.0	146	7.4	738	17.0	5.6	60
14...	1429	80513	80513	46.0	52.0	141	7.3	738	16.0	5.7	60
14...	1430	80513	80513	50.0	52.0	138	7.3	738	15.0	5.5	56
14...	1431	80513	80513	52.0	52.0	137	7.3	738	14.5	5.1	52

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
30...	0730	2.00	14	--	--	--	--	--	--
30...	0735	--	--	5	0.63	0.4	90	27	5.6
30...	0750	--	--	5	1.1	0.2	76	24	3.9
AUG									
14...	1415	2.30	2	--	--	--	--	--	--
14...	1417	--	--	5	0.74	0.8	88	26	5.7
14...	1428	--	--	5	1.4	0.5	76	24	3.9

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MISSOURI--CONTINUED
(LAT 36°31'22" LONG 093°43'26")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
30...	0731	--	--	--	--	--	--	2.50	0.200
30...	0735	90	<0.010	0.020	<0.010	<0.010	0.010	--	--
30...	0750	72	0.010	0.250	0.030	<0.010	0.010	--	--
AUG									
14...	1416	--	--	--	--	--	--	2.10	<0.100
14...	1417	92	<0.010	0.020	0.010	0.060	0.010	--	--
14...	1428	114	<0.010	0.200	0.030	0.020	0.010	--	--

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MISSOURI
(LAT 36°30'08" LONG 093°36'00")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
30...	0840	80513	80513	0.0	23.0	188	7.6	737	27.0	7.0	90
30...	0841	80513	80020	3.00	23.0	189	7.6	737	27.0	6.8	88
30...	0845	80513	81213	4.00	23.0	189	7.6	737	27.0	6.6	86
30...	0846	80513	80513	10.0	23.0	190	7.4	737	26.0	5.9	76
30...	0847	80513	80513	15.0	23.0	192	7.3	737	25.0	5.0	63
30...	0848	80513	80513	16.0	23.0	212	7.2	737	23.5	4.1	50
30...	0850	80513	81213	18.0	23.0	229	7.2	737	23.5	3.5	42
30...	0851	80513	80513	20.0	23.0	238	7.1	737	23.0	3.1	37
30...	0852	80513	80513	23.0	23.0	245	7.1	737	22.5	2.5	30
AUG											
14...	1330	80513	80513	0.0	20.0	305	7.9	738	28.5	6.2	83
14...	1331	80513	80020	3.00	20.0	316	7.8	738	27.5	5.7	75
14...	1332	80513	81213	4.00	20.0	317	7.8	738	27.5	5.7	75
14...	1333	80513	80513	10.0	20.0	318	7.7	738	26.5	4.8	62
14...	1334	80513	81213	16.0	20.0	333	7.3	738	26.0	1.6	20
14...	1335	80513	80513	20.0	20.0	360	7.2	738	26.0	1.0	13

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
30...	0840	1.20	17	--	--	--	--	--	--
30...	0845	--	--	5	1.9	0.1	86	26	5.2
30...	0850	--	--	5	1.6	0.1	100	30	6.1
AUG									
14...	1330	0.91	6	--	--	--	--	--	--
14...	1332	--	--	5	4.8	0.8	140	37	11
14...	1334	--	--	5	4.5	1.1	140	37	11

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MISSOURI--CONTINUED
(LAT 36°30'08" LONG 093°36'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
30...	0841	--	--	--	--	--	--	1.90	0.300
30...	0845	96	<0.010	0.250	0.010	0.020	0.010	--	--
30...	0850	102	0.010	0.280	0.060	0.020	0.010	--	--
AUG									
14...	1331	--	--	--	--	--	--	7.40	0.300
14...	1332	130	<0.010	0.030	0.010	0.050	0.010	--	--
14...	1334	148	<0.010	0.020	0.020	0.050	0.010	--	--

07050530 TABLE ROCK LAKE NEAR LAMPE, MISSOURI
(LAT 36°34'20" LONG 093°31'25")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
30...	1020	80513	80513	0.0	145	171	8.5	736	27.0	9.6	125
30...	1021	80513	80020	3.00	145	171	8.5	736	27.0	9.6	125
30...	1022	80513	80513	10.0	145	166	8.6	736	26.0	12.1	156
30...	1023	80513	80513	11.0	145	166	8.6	736	25.5	12.7	161
30...	1024	80513	80513	13.0	145	169	8.6	736	24.5	12.7	158
30...	1025	80513	80513	14.0	145	168	8.6	736	24.5	12.8	158
30...	1026	80513	80513	16.0	145	175	8.5	736	23.0	11.6	140
30...	1027	80513	80513	18.0	145	180	8.4	736	22.5	10.6	127
30...	1028	80513	80513	20.0	145	186	8.1	736	21.0	9.0	105
30...	1029	80513	80513	22.0	145	185	8.0	736	20.5	7.9	91
30...	1030	80513	80513	24.0	145	186	7.7	736	19.5	7.0	78
30...	1032	80513	80513	26.0	145	189	7.6	736	19.0	6.6	74
30...	1034	80513	80513	29.0	145	191	7.5	736	19.0	5.8	64
30...	1035	80513	81213	30.0	145	191	7.5	736	17.5	5.7	62
30...	1036	80513	80513	35.0	145	190	7.4	736	16.5	5.4	57
30...	1037	80513	80513	40.0	145	177	7.4	736	16.0	5.3	55
30...	1038	80513	80513	45.0	145	161	7.4	736	15.5	5.9	61
30...	1039	80513	80513	46.0	145	158	7.4	736	14.0	6.1	61
30...	1040	80513	80513	50.0	145	147	7.4	736	13.5	6.6	66
30...	1041	80513	80513	55.0	145	139	7.4	736	13.0	7.1	70
30...	1042	80513	80513	60.0	145	136	7.4	736	13.0	7.3	71
30...	1043	80513	80513	70.0	145	134	7.4	736	12.0	7.4	72
30...	1044	80513	80513	80.0	145	137	7.3	736	12.0	7.2	69
30...	1045	80513	80513	90.0	145	143	7.3	736	11.5	6.8	64
30...	1046	80513	80513	100	145	162	7.3	736	10.5	6.3	58
30...	1047	80513	80513	110	145	162	7.3	736	9.5	5.3	48
30...	1048	80513	81213	116	145	166	7.3	736	9.0	5.2	47
30...	1049	80513	80513	120	145	168	7.3	736	9.0	5.0	45
30...	1050	80513	80513	130	145	174	7.3	736	8.5	4.6	41
30...	1051	80513	80513	140	145	174	7.2	736	8.5	4.3	38
30...	1052	80513	80513	145	145	176	7.3	736	8.5	3.9	34

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
30...	1020	1.90	0	--	--	--	--	--	--
30...	1034	--	--	--	--	0.4	--	--	--
30...	1035	--	--	5	0.43	--	98	30	5.6
30...	1048	--	--	5	1.2	0.2	83	26	4.5

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MISSOURI--CONTINUED
(LAT 36°34'20" LONG 093°31'25")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
30...	1021	--	--	--	--	--	--	1.00	0.200
30...	1034	64	--	--	--	--	--	--	--
30...	1035	--	0.010	0.260	0.070	<0.010	<0.010	--	--
30...	1048	60	<0.010	0.500	<0.010	<0.010	<0.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
14...	1145	80513	80513	0.0	142	197	8.2	734	27.5	6.7	89
14...	1146	80513	80020	3.00	142	196	8.3	734	27.5	6.5	86
14...	1147	80513	80513	10.0	142	197	8.3	734	27.5	7.0	92
14...	1148	80513	80513	20.0	142	199	8.3	734	27.5	6.7	88
14...	1149	80513	80513	25.0	142	197	8.0	734	26.5	5.0	65
14...	1150	80513	80513	27.0	142	196	7.7	734	25.5	3.3	42
14...	1151	80513	80513	28.0	142	191	7.4	734	23.5	2.6	32
14...	1152	80513	81213	29.0	142	187	7.3	734	23.0	2.0	24
14...	1153	80513	80513	30.0	142	186	7.3	734	22.5	1.9	23
14...	1154	80513	80513	32.0	142	178	7.2	734	21.5	1.2	14
14...	1155	80513	80513	33.0	142	175	7.1	734	20.5	1.1	13
14...	1156	80513	80513	35.0	142	171	7.1	734	19.5	1.1	12
14...	1157	80513	80513	37.0	142	168	7.1	734	18.5	1.2	13
14...	1158	80513	80513	40.0	142	166	7.0	734	17.5	1.2	13
14...	1159	80513	80513	44.0	142	168	7.1	734	16.5	1.2	13
14...	1200	80513	80513	50.0	142	164	7.4	734	15.5	1.7	18
14...	1201	80513	80513	60.0	142	159	7.3	734	14.5	2.4	24
14...	1202	80513	80513	70.0	142	148	7.3	734	13.5	3.2	32
14...	1203	80513	80513	80.0	142	144	7.3	734	12.5	3.7	36
14...	1204	80513	80513	90.0	142	142	7.2	734	12.0	3.8	37
14...	1205	80513	80513	100	142	145	7.2	734	11.5	3.5	34
14...	1206	80513	81213	116	142	156	7.2	734	11.0	2.1	20
14...	1207	80513	80513	120	142	159	7.2	734	11.0	1.7	16
14...	1208	80513	80513	130	142	169	7.1	734	10.5	1.5	14
14...	1209	80513	80513	140	142	176	7.2	734	10.0	1.4	13
14...	1210	80513	80513	142	142	181	7.3	734	10.0	1.4	13

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG									
14...	1145	3.40	0	--	--	--	--	--	--
14...	1152	--	--	5	66	1.1	92	28	5.3
14...	1206	--	--	5	1.2	0.5	78	25	3.8

07050530 TABLE ROCK LAKE NEAR LAMPE, MISSOURI--CONTINUED
(LAT 36°34'20" LONG 093°31'25")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
14...	1146	--	--	--	--	--	--	1.60	<0.100
14...	1152	80	<0.010	0.030	0.010	0.040	0.010	--	--
14...	1206	82	<0.010	0.420	0.010	0.040	<0.010	--	--

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MISSOURI
(LAT 36°43'24" LONG 093°29'35")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
30...	1430	80513	80513	0.0	51.0	199	8.6	735	28.0	14.6	194
30...	1431	80513	80020	3.00	51.0	203	8.6	735	28.0	14.1	187
30...	1432	80513	80513	6.00	51.0	209	8.5	735	27.5	13.6	179
30...	1433	80513	80513	7.00	51.0	227	8.1	735	26.5	10.9	141
30...	1435	80513	80513	9.00	51.0	234	7.9	735	27.0	10.1	131
30...	1436	80513	81213	10.0	51.0	239	7.8	735	25.5	9.3	119
30...	1437	80513	80513	13.0	51.0	265	7.4	735	23.5	5.5	67
30...	1438	80513	80513	18.0	51.0	263	7.3	735	23.0	4.9	59
30...	1440	80513	80513	20.0	51.0	257	7.3	735	22.5	4.7	56
30...	1441	80513	80513	30.0	51.0	255	7.2	735	22.0	3.9	46
30...	1442	80513	80513	35.0	51.0	272	7.2	735	21.0	2.0	23
30...	1443	80513	80513	36.0	51.0	290	7.2	735	17.5	0.5	5
30...	1444	80513	80513	37.0	51.0	295	7.2	735	16.0	0.4	4
30...	1445	80513	80513	39.0	51.0	297	7.2	735	16.0	0.4	4
30...	1446	80513	81213	40.0	51.0	298	7.2	735	15.5	0.4	4
30...	1447	80513	80513	50.0	51.0	299	7.3	735	15.0	0.3	4
30...	1448	80513	80513	51.0	51.0	298	7.3	735	15.0	0.3	4
AUG											
14...	0835	80513	80513	0.0	46.0	247	7.8	734	27.0	6.3	82
14...	0836	80513	80020	3.00	46.0	249	8.0	734	27.0	5.9	77
14...	0837	80513	81213	9.00	46.0	250	8.0	734	27.0	5.8	76
14...	0839	80513	80513	10.0	46.0	249	8.0	734	27.0	5.8	76
14...	0840	80513	80513	20.0	46.0	247	8.1	734	27.0	6.0	78
14...	0841	80513	80513	28.0	46.0	308	7.2	734	26.0	1.0	13
14...	0842	80513	80513	30.0	46.0	326	7.2	734	25.5	1.0	13
14...	0843	80513	80513	31.0	46.0	351	7.2	734	24.5	1.0	13
14...	0844	80513	80513	32.0	46.0	374	7.2	734	23.5	1.0	12
14...	0845	80513	80513	33.0	46.0	384	7.1	734	22.5	1.0	12
14...	0846	80513	80513	35.0	46.0	384	7.2	734	22.0	1.1	13
14...	0847	80513	81213	36.0	46.0	377	7.2	734	21.0	1.1	13
14...	0848	80513	80513	37.0	46.0	372	7.2	734	19.5	1.8	20
14...	0849	80513	80513	40.0	46.0	368	7.2	734	19.0	1.2	13
14...	0850	80513	80513	41.0	46.0	361	7.2	734	17.5	1.2	13
14...	0851	80513	80513	46.0	46.0	366	7.2	734	17.5	1.1	12

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MISSOURI--CONTINUED
(LAT 36°43'24" LONG 093°29'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
30...	1430	0.79	1	--	--	--	--	--	--
30...	1436	--	--	5	1.9	1.3	120	37	5.7
30...	1446	--	--	5	11	1.1	150	48	6.2
AUG									
14...	0835	1.10	5	--	--	--	--	--	--
14...	0837	--	--	5	3.3	2.2	100	31	6.0
14...	0847	--	--	5	26	1.8	140	46	6.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
30...	1431	--	--	--	--	--	--	28.0	8.40
30...	1436	100	0.010	0.550	0.020	0.100	0.050	--	--
30...	1446	146	0.030	0.620	0.270	0.110	0.070	--	--
AUG									
14...	0836	--	--	--	--	--	--	16.0	0.500
14...	0837	82	<0.010	<0.020	0.010	0.100	0.030	--	--
14...	0847	148	0.010	0.030	1.20	0.340	0.280	--	--

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MISSOURI
(LAT 36°38'23" LONG 093°29'27")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
30...	1215	80513	80513	0.0	143	174	8.5	735	28.0	10.3	137
30...	1216	80513	80020	3.00	143	173	8.5	735	28.0	10.4	138
30...	1217	80513	80513	10.0	143	177	8.5	735	27.0	11.6	150
30...	1218	80513	80513	11.0	143	185	8.4	735	25.5	11.0	140
30...	1219	80513	80513	15.0	143	195	8.2	735	25.0	8.9	111
30...	1220	80513	80513	17.0	143	215	7.5	735	24.0	6.6	81
30...	1221	80513	80513	18.0	143	252	7.2	735	23.0	3.1	37
30...	1222	80513	80513	20.0	143	263	7.1	735	22.5	2.5	29
30...	1223	80513	80513	22.0	143	266	7.1	735	21.5	2.5	30
30...	1224	80513	80513	24.0	143	276	7.2	735	20.5	2.7	32
30...	1225	80513	80513	26.0	143	282	7.3	735	19.5	3.0	35
30...	1226	80513	81213	28.0	143	284	7.3	735	19.0	3.3	36
30...	1227	80513	80513	30.0	143	283	7.3	735	18.5	3.3	37
30...	1228	80513	80513	34.0	143	270	7.2	735	17.5	3.4	37
30...	1229	80513	80513	37.0	143	248	7.3	735	16.5	3.7	39
30...	1230	80513	80513	40.0	143	245	7.3	735	15.5	4.1	42
30...	1231	80513	80513	45.0	143	217	7.4	735	14.5	5.0	51
30...	1232	80513	80513	50.0	143	184	7.5	735	14.0	5.9	59
30...	1233	80513	80513	60.0	143	154	7.5	735	13.0	6.8	67
30...	1234	80513	80513	70.0	143	154	7.5	735	12.5	7.0	68
30...	1235	80513	80513	80.0	143	159	7.5	735	12.0	7.0	68
30...	1236	80513	80513	90.0	143	173	7.5	735	12.0	7.0	67
30...	1237	80513	80513	100	143	256	7.6	735	11.5	6.6	63
30...	1238	80513	81213	114	143	301	7.5	735	10.5	2.9	27
30...	1239	80513	80513	120	143	302	7.4	735	10.5	1	9
30...	1240	80513	80513	130	143	306	7.3	735	10.0	0.6	5
30...	1241	80513	80513	140	143	306	7.4	735	10.0	0.5	4
30...	1242	80513	80513	143	143	308	7.4	735	10.0	0.4	4

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MISSOURI--CONTINUED
(LAT 36°38'23" LONG 093°29'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
30...	1215	1.40	0	--	--	--	--	--	--
30...	1226	--	--	5	0.66	0.5	130	42	5.1
30...	1238	--	--	5	0.54	0.5	140	46	5.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
30...	1216	--	--	--	--	--	--	3.10	0.200
30...	1226	130	0.020	0.870	0.010	<0.010	<0.010	--	--
30...	1238	124	<0.010	1.20	<0.010	0.030	0.030	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
14...	1010	80513	80513	0.0	139	210	8.1	739	27.0	6.5	85
14...	1011	80513	80513	3.00	139	210	8.2	739	27.5	6.7	87
14...	1012	80513	80513	10.0	139	210	8.2	739	27.0	6.4	83
14...	1013	80513	80513	20.0	139	210	8.2	739	27.0	6.3	82
14...	1014	80513	80513	26.0	139	235	7.5	739	26.5	1.9	24
14...	1015	80513	80513	27.0	139	238	7.3	739	25.5	1.7	22
14...	1016	80513	80513	28.0	139	242	7.3	739	24.5	1.5	19
14...	1017	80513	81213	29.0	139	241	7.3	739	24.0	1.3	16
14...	1018	80513	80513	30.0	139	239	7.3	739	23.0	1.1	13
14...	1019	80513	80513	31.0	139	233	7.3	739	22.5	1.1	13
14...	1020	80513	80513	32.0	139	231	7.2	739	21.0	1.1	13
14...	1021	80513	80513	33.0	139	234	7.3	739	20.0	1.2	14
14...	1022	80513	80513	35.0	139	240	7.3	739	19.0	1.2	13
14...	1023	80513	80513	37.0	139	235	7.3	739	18.0	1.2	13
14...	1024	80513	80513	40.0	139	241	7.3	739	17.5	1.3	14
14...	1025	80513	80513	43.0	139	242	7.3	739	16.5	1.3	14
14...	1026	80513	80513	48.0	139	241	7.3	739	16.0	1.3	14
14...	1027	80513	80513	50.0	139	241	7.3	739	15.5	1.3	13
14...	1028	80513	80513	55.0	139	226	7.3	739	14.5	1.4	14
14...	1029	80513	80513	60.0	139	218	7.4	739	14.0	1.8	18
14...	1030	80513	80513	70.0	139	211	7.4	739	13.5	3.0	30
14...	1031	80513	80513	80.0	139	216	7.4	739	13.0	3.2	31
14...	1032	80513	80513	90.0	139	233	7.4	739	12.5	2.8	27
14...	1033	80513	80513	100	139	248	7.4	739	12.5	2.2	21
14...	1034	80513	80513	110	139	271	7.4	739	12.0	1.6	15
14...	1035	80513	81213	116	139	287	7.4	739	12.0	1.5	14
14...	1036	80513	80513	120	139	293	7.4	739	11.5	1.5	14
14...	1037	80513	80513	130	139	314	7.4	739	11.5	1.5	14
14...	1038	80513	80513	139	139	329	7.3	739	11.0	1.5	14

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MISSOURI--CONTINUED
(LAT 36°38'23" LONG 093°29'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
AUG								
14...	1010	4.30	0	--	--	--	--	--
14...	1017	--	--	5	0.44	1.2	110	35
14...	1035	--	--	5	1.2	0.7	130	42

DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
AUG								
14...	1017	5.6	128	0.010	<0.020	0.010	0.030	0.010
14...	1035	5.3	128	0.020	0.800	0.130	0.090	0.080

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MISSOURI
(LAT 36°31'39" LONG 093°18'10")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
04...	0830	80513	80513	0.0	110	177	8.6	739	27.0	10.4	135
04...	0831	80513	80020	3.00	110	177	8.5	739	27.0	10.3	134
04...	0832	80513	80513	10.0	110	176	8.5	739	27.0	10.4	135
04...	0833	80513	80513	14.0	110	175	8.5	739	26.5	11.0	141
04...	0834	80513	80513	15.0	110	175	8.5	739	26.0	11.9	152
04...	0835	80513	80513	16.0	110	174	8.5	739	25.0	12.6	159
04...	0836	80513	80513	17.0	110	174	8.5	739	24.0	13.6	168
04...	0837	80513	80513	18.0	110	174	8.5	739	23.0	14.0	169
04...	0838	80513	80513	19.0	110	173	8.5	739	22.5	14.9	177
04...	0839	80513	80513	20.0	110	175	8.5	739	22.0	14.9	176
04...	0840	80513	81213	22.0	110	176	8.5	739	22.0	14.8	175
04...	0841	80513	80513	23.0	110	186	8.4	739	20.0	12.2	139
04...	0842	80513	80513	27.0	110	205	8.1	739	19.5	9.3	104
04...	0843	80513	80513	30.0	110	214	7.8	739	18.5	7.3	80
04...	0844	80513	80513	35.0	110	223	7.5	739	17.5	4.8	52
04...	0845	80513	80513	40.0	110	225	7.4	739	16.5	4.0	42
04...	0846	80513	80513	45.0	110	225	7.4	739	15.5	4.2	44
04...	0847	80513	80513	50.0	110	223	7.5	739	14.5	4.6	47
04...	0849	80513	80513	60.0	110	222	7.5	739	13.5	5.1	50
04...	0850	80513	80513	70.0	110	222	7.5	739	13.0	5.6	55
04...	0851	80513	80513	80.0	110	224	7.5	739	12.5	5.4	52
04...	0852	80513	81213	88.0	110	231	7.4	739	12.0	3.9	37
04...	0853	80513	80513	90.0	110	234	7.4	739	12.0	3.6	34
04...	0854	80513	80513	100	110	235	7.4	739	12.0	3.1	30
04...	0855	80513	80513	110	110	239	7.3	739	11.5	1.2	11

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MISSOURI--CONTINUED
(LAT 36°31'39" LONG 093°18'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
04...	0830	1.80	1	--	--	--	--	--	--
04...	0840	--	--	5	0.99	1.2	88	27	5.0
04...	0852	--	--	5	0.74	0.8	110	38	4.6

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	0831	--	--	--	--	--	--	2.90	0.200
04...	0840	86	<0.010	<0.020	<0.010	<0.010	0.020	--	--
04...	0852	110	<0.010	0.660	<0.010	<0.010	0.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
15...	0830	80513	80513	0.0	97.0	186	8.6	738	27.0	7.1	92
15...	0831	80513	80020	3.00	97.0	189	8.6	738	27.0	7.0	91
15...	0832	80513	80513	10.0	97.0	189	8.5	738	27.0	7.0	91
15...	0833	80513	81213	19.0	97.0	189	8.5	738	27.0	6.9	90
15...	0834	80513	80513	20.0	97.0	191	8.3	738	26.5	6.5	84
15...	0835	80513	80513	23.0	97.0	207	7.7	738	25.5	4.1	52
15...	0836	80513	80513	26.0	97.0	213	7.6	738	25.0	3.6	45
15...	0837	80513	80513	27.0	97.0	216	7.6	738	24.0	3.6	44
15...	0838	80513	80513	29.0	97.0	221	7.5	738	23.0	3.1	37
15...	0839	80513	80513	30.0	97.0	221	7.5	738	22.5	2.9	35
15...	0840	80513	80513	31.0	97.0	227	7.4	738	21.5	1.7	20
15...	0841	80513	80513	33.0	97.0	230	7.4	738	20.5	1.2	14
15...	0842	80513	80513	35.0	97.0	231	7.4	738	19.5	1.1	12
15...	0843	80513	80513	37.0	97.0	235	7.4	738	18.5	1.2	13
15...	0844	80513	80513	40.0	97.0	237	7.4	738	18.0	1.2	13
15...	0845	80513	80513	45.0	97.0	239	7.4	738	17.0	1.3	14
15...	0846	80513	80513	50.0	97.0	237	7.4	738	16.0	2.0	21
15...	0847	80513	80513	60.0	97.0	239	7.4	738	15.0	1.4	14
15...	0848	80513	80513	70.0	97.0	242	7.4	738	13.5	1.4	14
15...	0849	80513	81213	76.0	97.0	241	7.4	738	13.5	1.4	14
15...	0850	80513	80513	80.0	97.0	243	7.4	738	13.0	1.4	14
15...	0851	80513	80513	90.0	97.0	246	7.4	738	13.0	1.4	14
15...	0852	80513	80513	97.0	97.0	248	7.4	738	12.5	1.4	14

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
15...	0830	2.80	0	--	--	--	--	--	--
15...	0833	--	--	5	0.60	0.7	93	29	4.9
15...	0849	--	--	5	1.7	0.6	110	39	3.9

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MISSOURI--CONTINUED
(LAT 36°31'39" LONG 093°18'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
15...	0831	--	--	--	--	--	--	2.60	<0.100
15...	0833	114	<0.010	0.020	0.010	0.030	<0.010	--	--
15...	0849	128	0.010	0.540	0.050	0.030	0.010	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MISSOURI
(LAT 36°38'09" LONG 093°15'52")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN											
03...	1545	80513	80513	0.0	16.0	214	7.7	743	12.0	9.7	92
03...	1546	80513	80020	3.00	16.0	214	7.8	743	11.5	9.7	92
03...	1547	80513	80513	5.00	16.0	215	7.8	743	11.5	9.7	91
03...	1548	80513	80513	8.00	16.0	214	7.8	743	11.5	9.7	91
03...	1549	80513	80513	10.0	16.0	216	7.8	743	11.5	9.7	91
03...	1550	80513	80513	12.0	16.0	216	7.8	743	11.5	9.7	91
03...	1551	80513	81213	13.0	16.0	215	7.8	743	11.5	9.7	91
03...	1552	80513	80513	16.0	16.0	216	7.8	743	11.5	9.6	91
AUG											
01...	1600	80513	80513	0.0	20.0	223	7.7	745	12.0	8.0	76
01...	1601	80513	80020	3.00	20.0	224	7.6	745	12.0	7.6	72
01...	1602	80513	80020	4.00	20.0	223	7.6	745	12.0	7.6	72
01...	1603	80513	80020	16.0	20.0	223	7.6	745	12.0	7.6	72
01...	1604	80513	80513	20.0	20.0	223	7.6	745	12.0	7.6	72

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN									
03...	1545	2.90	12	--	--	--	--	--	--
03...	1546	--	--	5	0.87	0.9	110	36	5.4
03...	1551	--	--	5	--	0.8	110	36	5.4
AUG									
01...	1600	4.00	38	--	--	--	--	--	--
01...	1602	--	--	1	1.1	1.7	110	35	5.1
01...	1603	--	--	1	1.5	1.3	110	34	5.3

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN								
03...	1546	90	--	0.680	<0.010	0.020	0.500	<0.200
03...	1551	90	--	0.670	<0.010	0.020	--	--
AUG								
01...	1601	--	--	--	--	--	1.30	<0.100
01...	1602	96	<0.010	0.650	0.020	<0.010	--	--
01...	1603	96	<0.010	0.640	0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MISSOURI
(LAT 36°40'17" LONG 093°07'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
04...	1030	80513	80513	0.0	20.0	260	8.2	745	26.0	8.1	103
04...	1031	80513	80020	3.00	20.0	260	8.0	745	26.0	7.8	98
04...	1032	80513	81213	10.0	20.0	261	8.0	745	25.5	6.3	79
04...	1033	80513	80513	12.0	20.0	262	8.0	745	24.5	6.0	74
04...	1034	80513	80513	15.0	20.0	266	7.8	745	23.5	6.3	75
04...	1035	80513	80513	16.0	20.0	264	7.8	745	22.5	6.3	74
04...	1036	80513	80513	17.0	20.0	264	7.8	745	21.0	6.3	72
04...	1037	80513	80513	18.0	20.0	264	7.8	745	20.5	6.3	71
04...	1038	80513	80513	19.0	20.0	265	7.8	745	19.0	6.0	67
04...	1039	80513	80513	20.0	20.0	267	7.7	745	18.5	6.0	66
AUG											
01...	1530	80513	80513	0.0	6.0	222	8.3	746	20.5	13.0	147
01...	1531	80513	80020	3.00	6.0	222	8.3	746	19.5	12.8	142
01...	1532	80513	80513	6.00	6.0	223	8.3	746	19.0	11.9	131

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
04...	1030	1.30	37	--	--	--	--	--	--
04...	1032	--	--	5	2.8	1.9	140	37	12
AUG									
01...	1530	1.40	10	--	--	--	--	--	--
01...	1531	--	--	--	--	3.7	--	--	--

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	1031	--	--	--	--	--	--	2.20	0.200
04...	1032	128	<0.010	0.050	0.020	0.020	0.010	--	--
AUG									
01...	1531	100	0.020	0.300	0.030	0.040	<0.010	7.30	0.500

WHITE RIVER BASIN--CONTINUED

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MISSOURI-ARKANSAS STATE LINE
(LAT 36°30'05" LONG 093°03'26")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
03...	1400	80513	80513	0.0	34.0	233	8.5	745	30.0	9.2	125
03...	1401	80513	80020	3.00	34.0	231	8.5	745	29.0	9.7	129
03...	1402	80513	80513	10.0	34.0	233	8.5	745	28.0	10.6	140
03...	1403	80513	80513	12.0	34.0	251	8.3	745	27.0	9.3	121
03...	1404	80513	80513	15.0	34.0	279	7.9	745	26.5	7.6	19
03...	1405	80513	81213	17.0	34.0	327	7.5	745	25.5	3.0	38
03...	1406	80513	80513	18.0	34.0	330	7.5	745	24.0	2.1	26
03...	1407	80513	80513	19.0	34.0	337	7.4	745	22.0	1.1	13
03...	1408	80513	80513	20.0	34.0	340	7.4	745	22.5	0.8	9
03...	1409	80513	80513	22.0	34.0	294	7.3	745	21.0	0.5	6
03...	1410	80513	80513	25.0	34.0	279	7.4	745	20.0	2.6	30
03...	1411	80513	80513	27.0	34.0	283	7.4	745	19.0	1.3	14
03...	1412	80513	80513	30.0	34.0	277	7.4	745	18.0	0.6	6
03...	1413	80513	80513	34.0	34.0	270	7.4	745	17.0	0.5	5
AUG											
01...	1330	80513	80513	0.0	16.0	239	8.4	749	31.5	10	137
01...	1331	80513	80020	3.00	16.0	234	8.5	749	30.0	11.0	148
01...	1332	80513	80020	8.00	16.0	233	8.4	749	29.0	9.6	127
01...	1333	80513	80513	10.0	16.0	234	8.3	749	28.0	9.3	121
01...	1334	80513	80513	16.0	16.0	250	7.8	749	28.0	6.4	83

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
03...	1400	3.10	0	--	--	--	--	--	--
03...	1405	--	--	5	0.79	1.2	150	38	13
AUG									
01...	1330	1.50	0	--	--	--	--	--	--
01...	1332	--	--	1	1.0	2.0	110	26	12

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
03...	1401	--	--	--	--	--	--	0.800	<0.200
03...	1405	138	<0.010	<0.020	<0.010	<0.010	0.010	--	--
AUG									
01...	1331	--	--	--	--	--	--	8.30	0.700
01...	1332	114	<0.010	<0.050	<0.010	0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARKANSAS
(LAT 36°29'35" LONG 092°47'01")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
04...	1300	80513	80513	0.0	150	227	8.3	745	30.0	7.9	107
04...	1301	80513	80020	3.00	150	226	8.3	745	29.0	8.6	114
04...	1302	80513	80513	10.0	150	227	8.3	745	28.5	8.2	109
04...	1303	80513	80513	14.0	150	228	8.3	745	27.0	9.9	127
04...	1304	80513	80513	15.0	150	230	8.3	745	26.5	10.9	139
04...	1305	80513	80513	16.0	150	233	8.3	745	25.0	10.9	135
04...	1306	80513	80513	17.0	150	238	8.4	745	24.5	11.1	136
04...	1307	80513	80513	18.0	150	243	8.3	745	23.5	10.5	127
04...	1308	80513	80513	20.0	150	252	8.2	745	22.5	9.7	115
04...	1309	80513	80513	21.0	150	257	8.1	745	22.0	8.9	104
04...	1310	80513	80513	24.0	150	253	8.0	745	20.5	8.1	93
04...	1311	80513	80513	26.0	150	252	7.9	745	19.5	7.8	87
04...	1312	80513	80513	28.0	150	252	7.8	745	18.5	7.5	81
04...	1313	80513	81213	30.0	150	251	7.8	745	18.5	7.3	79
04...	1314	80513	80513	35.0	150	249	7.7	745	17.5	7.1	76
04...	1315	80513	80513	40.0	150	247	7.6	745	16.0	7.0	73
04...	1316	80513	80513	45.0	150	245	7.6	745	15.5	7.1	72
04...	1317	80513	80513	50.0	150	240	7.6	745	14.5	7.2	72
04...	1318	80513	80513	60.0	150	239	7.5	745	13.5	7.4	73
04...	1319	80513	80513	70.0	150	239	7.5	745	13.0	7.1	69
04...	1320	80513	80513	80.0	150	240	7.6	745	12.0	7.0	66
04...	1321	80513	80513	90.0	150	239	7.6	745	11.5	6.6	62
04...	1322	80513	80513	100	150	251	7.5	745	10.5	6.1	56
04...	1323	80513	80513	110	150	241	7.5	745	10.0	5.3	48
04...	1324	80513	81213	120	150	241	7.5	745	9.5	4.7	42
04...	1325	80513	80513	130	150	239	7.5	745	9.0	4.6	41
04...	1326	80513	80513	140	150	239	7.4	745	9.0	4.4	39
04...	1327	80513	80513	150	150	239	7.5	745	9.0	4.0	35

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
04...	1300	4.80	0	--	--	--	--	--	--
04...	1313	--	--	5	0.25	0.6	140	38	11
04...	1324	--	--	5	0.53	1.9	130	38	8.2

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	1301	--	--	--	--	--	--	0.500	<0.200
04...	1313	116	0.010	0.240	0.020	<0.010	0.010	--	--
04...	1324	122	<0.010	0.380	<0.010	<0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARKANSAS--CONTINUED
(LAT 36°29'35" LONG 092°47'01")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL											
31...	1400	80513	80513	0.0	130	242	8.3	750	30.0	8.8	119
31...	1401	80513	80020	3.00	130	243	8.4	750	29.0	9.3	123
31...	1402	80513	80513	10.0	130	242	8.4	750	28.5	9.3	123
31...	1403	80513	80513	20.0	130	243	8.4	750	28.0	9.2	120
31...	1404	80513	80020	26.0	130	251	8.1	750	27.5	6.8	87
31...	1405	80513	80513	27.0	130	254	7.7	750	26.5	5.5	70
31...	1406	80513	80513	29.0	130	273	7.5	750	25.5	2.8	35
31...	1407	80513	80513	30.0	130	274	7.4	750	24.5	1.8	22
31...	1408	80513	80513	31.0	130	274	7.4	750	23.5	1.1	14
31...	1409	80513	80513	32.0	130	273	7.4	750	22.5	0.8	10
31...	1410	80513	80513	34.0	130	268	7.3	750	22.0	0.8	9
31...	1411	80513	80513	36.0	130	271	7.3	750	21.0	0.6	7
31...	1412	80513	80513	40.0	130	274	7.3	750	19.5	0.6	7
31...	1413	80513	80513	43.0	130	274	7.3	750	19.0	0.9	10
31...	1414	80513	80513	48.0	130	271	7.3	750	18.0	1.5	16
31...	1415	80513	80513	50.0	130	269	7.4	750	17.5	1.8	19
31...	1416	80513	80513	55.0	130	266	7.4	750	17.0	2.4	25
31...	1417	80513	80513	60.0	130	263	7.4	750	16.5	2.8	28
31...	1418	80513	80513	65.0	130	260	7.5	750	15.5	3.4	34
31...	1419	80513	80513	70.0	130	261	7.5	750	15.0	3.6	36
31...	1420	80513	80513	80.0	130	261	7.5	750	14.0	3.9	38
31...	1421	80513	80513	90.0	130	259	7.5	750	13.0	3.1	29
31...	1422	80513	80513	100	130	260	7.5	750	12.5	1.3	13
31...	1423	80513	80020	104	130	262	7.4	750	12.0	0.5	5
31...	1424	80513	80513	110	130	266	7.5	750	11.0	0.4	3
31...	1425	80513	80513	120	130	270	7.5	750	11.0	0.3	2
31...	1426	80513	80513	130	130	271	7.5	750	10.5	0.2	2

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL									
31...	1400	4.90	0	--	--	--	--	--	--
31...	1404	--	--	1	0.50	1.2	110	26	10
31...	1423	--	--	3	1.0	0.9	130	37	8.2

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
31...	1401	--	--	--	--	--	--	1.00	<0.100
31...	1404	116	--	--	--	--	--	--	--
31...	1423	120	0.010	0.530	<0.010	0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (FISH PENS)
(LAT 36°25'30" LONG 092°42'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
20...	1015	80513	80513	0.0	90.0	232	8.3	748	28.0	9.9	129
20...	1016	80513	80020	3.00	90.0	233	8.3	748	28.0	9.1	118
20...	1017	80513	80513	10.0	90.0	233	8.4	748	28.0	9.0	116
20...	1018	80513	81213	18.0	90.0	238	8.3	748	27.0	9.0	115
20...	1019	80513	80513	19.0	90.0	240	8.3	748	25.5	9.5	118
20...	1020	80513	80513	20.0	90.0	239	8.3	748	26.0	9.4	118
20...	1021	80513	80513	21.0	90.0	243	8.3	748	25.0	9.7	120
20...	1022	80513	80513	22.0	90.0	250	8.3	748	23.5	10.2	122
20...	1023	80513	80513	23.0	90.0	248	8.2	748	22.0	9.9	116
20...	1024	80513	80513	25.0	90.0	251	8.2	748	21.0	9.4	108
20...	1025	80513	80513	27.0	90.0	252	8.1	748	20.0	8.7	98
20...	1026	80513	80513	29.0	90.0	253	8.0	748	19.0	8.3	91
20...	1027	80513	80513	30.0	90.0	252	8.0	748	19.0	7.9	86
20...	1028	80513	80513	35.0	90.0	254	7.2	748	17.5	6.3	67
20...	1029	80513	80513	40.0	90.0	256	7.7	748	16.5	5.5	58
20...	1030	80513	80513	45.0	90.0	255	7.6	748	16.0	5.3	54
20...	1031	80513	80513	50.0	90.0	253	7.6	748	15.0	4.9	50
20...	1032	80513	80513	55.0	90.0	257	7.6	748	14.5	4.6	46
20...	1033	80513	80513	60.0	90.0	255	7.6	748	14.0	3.6	36
20...	1034	80513	80513	70.0	90.0	255	7.5	748	13.5	2.7	27
20...	1035	80513	81213	72.0	90.0	256	7.5	748	13.5	1.6	15
20...	1036	80513	80513	80.0	90.0	260	7.4	748	13.0	0.5	4
20...	1037	80513	80513	90.0	90.0	262	7.3	748	12.5	0.4	4

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
20...	1015	3.70	2	--	--	--	--	--	--
20...	1018	--	--	5	0.21	1.0	120	32	10
20...	1035	--	--	5	0.32	0.9	130	37	9.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	1016	--	--	--	--	--	--	<0.100	<0.100
20...	1018	114	<0.010	<0.020	0.010	0.040	0.020	--	--
20...	1035	128	<0.010	0.380	0.010	0.050	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (FISH PENS)--CONTINUED
(LAT 36°25'30" LONG 092°42'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL											
31...	1235	80513	80513	0.0	75.0	243	8.4	750	29.0	9.3	123
31...	1236	80513	80020	3.00	75.0	243	8.4	750	29.5	9.4	125
31...	1237	80513	80513	10.0	75.0	243	8.4	750	28.5	9.5	124
31...	1238	80513	80020	15.0	75.0	247	8.3	750	28.0	8.5	111
31...	1239	80513	80513	20.0	75.0	247	8.3	750	28.0	8.4	110
31...	1240	80513	80513	26.0	75.0	250	8.2	750	27.5	8.0	104
31...	1241	80513	80513	28.0	75.0	257	8.0	750	26.5	7.4	94
31...	1242	80513	80513	29.0	75.0	266	7.8	750	25.0	7.0	86
31...	1243	80513	80513	30.0	75.0	271	7.7	750	24.0	6.7	81
31...	1244	80513	80513	32.0	75.0	271	7.6	750	23.0	5.9	70
31...	1245	80513	80513	34.0	75.0	270	7.6	750	22.5	5.0	58
31...	1246	80513	80513	36.0	75.0	271	7.4	750	21.0	3.4	38
31...	1247	80513	80513	37.0	75.0	272	7.4	750	20.5	3.5	39
31...	1248	80513	80513	40.0	75.0	270	7.4	750	20.0	3.0	33
31...	1249	80513	80513	42.0	75.0	271	7.4	750	19.5	3.2	35
31...	1250	80513	80513	45.0	75.0	274	7.4	750	18.5	1.8	19
31...	1251	80513	80513	50.0	75.0	274	7.4	750	18.0	0.6	6
31...	1252	80513	80513	55.0	75.0	277	7.4	750	17.0	0.4	4
31...	1253	80513	80020	60.0	75.0	277	7.4	750	16.0	0.3	3
31...	1254	80513	80513	70.0	75.0	278	7.4	750	15.5	0.3	3
31...	1255	80513	80513	75.0	75.0	283	7.3	750	15.0	0.3	3

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL									
31...	1235	3.70	K1300	--	--	--	--	--	--
31...	1238	--	--	2	0.40	1.6	110	27	11
31...	1253	--	--	3	1.0	1.4	120	33	9.1

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
31...	1236	--	--	--	--	--	--	1.10	<0.100
31...	1238	110	--	--	--	--	--	--	--
31...	1253	116	0.030	0.140	0.050	0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (LOG BOOM)
(LAT 36°25'30" LONG 092°42'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
20...	0940	80513	80513	0.0	60.0	234	8.4	748	28.0	9.5	124
20...	0941	80513	80020	3.00	60.0	234	8.4	748	28.0	9.2	119
20...	0942	80513	80513	10.0	60.0	233	8.4	748	28.0	9.1	118
20...	0943	80513	81213	12.0	60.0	236	8.3	748	27.0	9.1	116
20...	0944	80513	80513	20.0	60.0	248	8.3	748	25.5	9.8	122
20...	0945	80513	80513	21.0	60.0	245	8.3	748	24.5	10.5	128
20...	0946	80513	80513	22.0	60.0	250	8.3	748	23.0	10.7	128
20...	0947	80513	80513	23.0	60.0	250	8.3	748	22.5	10.4	123
20...	0948	80513	80513	24.0	60.0	251	8.3	748	21.5	10.3	120
20...	0949	80513	80513	26.0	60.0	252	8.2	748	20.5	9.7	110
20...	0950	80513	80513	28.0	60.0	253	8.2	748	19.5	9.0	100
20...	0951	80513	80513	30.0	60.0	254	8.1	748	19.0	8.5	94
20...	0952	80513	80513	35.0	60.0	254	7.8	748	17.5	6.6	71
20...	0953	80513	80513	40.0	60.0	255	7.7	748	16.5	5.7	60
20...	0954	80513	81213	48.0	60.0	253	7.6	748	16.0	5.4	55
20...	0955	80513	80513	50.0	60.0	253	7.6	748	15.0	5.0	50
20...	0956	80513	80513	55.0	60.0	253	7.6	748	14.5	4.6	46
20...	0957	80513	80513	60.0	60.0	254	7.6	748	14.0	4.3	43
JUL											
31...	1140	80513	80513	0.0	58.0	243	8.5	750	28.5	9.5	125
31...	1141	80513	80020	3.00	58.0	243	8.5	750	28.5	9.4	123
31...	1142	80513	80513	10.0	58.0	244	8.5	750	28.0	9.5	123
31...	1143	80513	80020	12.0	58.0	243	8.5	750	28.0	9.4	123
31...	1144	80513	80513	20.0	58.0	245	8.4	750	28.0	8.5	111
31...	1145	80513	80513	27.0	58.0	249	8.2	750	27.0	7.8	100
31...	1146	80513	80513	28.0	58.0	266	8.0	750	25.5	7.4	92
31...	1147	80513	80513	29.0	58.0	269	7.9	750	24.5	7.3	90
31...	1148	80513	80513	30.0	58.0	272	7.8	750	24.0	6.9	84
31...	1149	80513	80513	31.0	58.0	272	7.8	750	23.5	6.2	74
31...	1150	80513	80513	33.0	58.0	269	7.7	750	22.5	5.8	68
31...	1151	80513	80513	35.0	58.0	270	7.6	750	21.5	5.1	59
31...	1152	80513	80513	37.0	58.0	273	7.6	750	21.0	3.4	39
31...	1153	80513	80513	40.0	58.0	272	7.5	750	20.0	3.6	40
31...	1154	80513	80513	43.0	58.0	272	7.5	750	19.0	3.2	35
31...	1155	80513	80020	47.0	58.0	271	7.5	750	18.5	2.8	30
31...	1156	80513	80513	50.0	58.0	273	7.5	750	18.0	1.5	16
31...	1157	80513	80513	55.0	58.0	273	7.5	750	17.0	0.6	6
31...	1158	80513	80513	58.0	58.0	275	7.5	750	16.5	0.4	4

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
20...	0940	3.90	39	--	--	--	--	--	--
20...	0943	--	--	5	0.34	0.8	120	32	10
20...	0954	--	--	5	0.70	1.0	130	37	9.3
JUL									
31...	1140	4.10	K890	--	--	--	--	--	--
31...	1143	--	--	2	0.80	1.7	120	29	11
31...	1155	--	--	<1	0.50	1.4	130	35	11

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (LOG BOOM)--CONTINUED
(LAT 36°25'30" LONG 092°42'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	0941	--	--	--	--	--	--	0.400	<0.100
20...	0943	114	<0.010	<0.020	<0.010	0.050	0.020	--	--
20...	0954	116	0.010	0.280	0.020	0.070	0.020	--	--
JUL									
31...	1141	--	--	--	--	--	--	1.30	<0.100
31...	1143	116	<0.010	<0.050	<0.010	0.010	<0.010	--	--
31...	1155	116	<0.010	0.053	<0.010	<0.010	<0.010	--	--

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (MOUTH)
(LAT 36°25'30" LONG 092°42'00")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN											
20...	0845	80513	80513	0.0	155	235	8.3	748	28.0	8.9	116
20...	0846	80513	80020	3.00	155	234	8.3	748	28.0	8.8	114
20...	0847	80513	80513	10.0	155	234	8.3	748	28.0	8.8	115
20...	0848	80513	80513	17.0	155	235	8.3	748	27.0	9.4	120
20...	0849	80513	80513	19.0	155	239	8.3	748	26.0	9.5	120
20...	0850	80513	80513	20.0	155	245	8.3	748	25.5	10.1	126
20...	0851	80513	80513	21.0	155	249	8.3	748	24.0	10.2	124
20...	0852	80513	80513	23.0	155	253	8.3	748	23.0	10.5	125
20...	0853	80513	80513	25.0	155	255	8.2	748	21.5	10.1	117
20...	0854	80513	80513	27.0	155	256	8.1	748	20.5	9.6	109
20...	0855	80513	80513	29.0	155	252	8.1	748	19.5	9.1	101
20...	0856	80513	80513	30.0	155	251	8.1	748	19.0	8.8	97
20...	0857	80513	81213	31.0	155	251	8.0	748	18.5	8.5	93
20...	0858	80513	80513	33.0	155	253	7.9	748	18.0	7.5	80
20...	0859	80513	80513	40.0	155	251	7.8	748	17.0	6.7	71
20...	0900	80513	80513	45.0	155	251	7.6	748	16.0	6.1	63
20...	0901	80513	80513	50.0	155	250	7.6	748	15.5	6.2	63
20...	0902	80513	80513	55.0	755	250	7.6	748	14.5	5.9	60
20...	0903	80513	80513	60.0	155	248	7.6	748	14.0	5.9	58
20...	0904	80513	80513	70.0	155	245	7.6	748	13.5	6.4	62
20...	0905	80513	80513	80.0	155	247	7.6	750	12.5	5.9	11
20...	0906	80513	80513	90.0	155	247	7.6	748	12.0	5.8	55
20...	0907	80513	80513	100	155	244	7.6	748	11.5	6.1	57
20...	0908	80513	80513	110	155	247	7.6	748	11.0	5.3	49
20...	0909	80513	80513	120	155	246	7.6	748	10.0	4.5	41
20...	0910	80513	81213	124	155	247	7.6	748	10.0	4.0	36
20...	0911	80513	80513	130	155	247	7.6	748	9.5	3.4	31
20...	0912	80513	80513	140	155	246	7.6	748	9.5	3.0	27
20...	0913	80513	80513	150	155	248	7.6	748	9.0	2.8	24
20...	0914	80513	80513	155	155	247	7.6	748	9.0	2.8	25

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN									
20...	0845	4.20	11	--	--	--	--	--	--
20...	0857	--	--	5	0.48	1.2	130	37	10
20...	0910	--	--	5	0.27	0.7	130	37	9.3

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARKANSAS (MOUTH)--CONTINUED
(LAT 36°25'30" LONG 092°42'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	0846	--	--	--	--	--	--	0.500	<0.100
20...	0857	130	0.010	0.120	0.010	0.060	0.010	--	--
20...	0910	116	<0.010	0.400	0.010	0.040	0.020	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUL											
31...	1100	80513	80513	0.0	140	244	8.5	751	28.5	9.7	127
31...	1101	80513	80020	3.00	140	243	8.5	751	28.5	9.4	123
31...	1102	80513	80513	10.0	140	244	8.5	751	28.5	9.5	124
31...	1103	80513	80513	20.0	140	245	8.5	751	28.0	9.4	122
31...	1104	80513	80020	28.0	140	257	8.3	751	27.0	8.4	107
31...	1105	80513	80513	29.0	140	273	8.0	751	25.5	7.4	91
31...	1106	80513	80513	30.0	140	276	7.8	751	24.0	6.1	74
31...	1107	80513	80513	31.0	140	276	7.7	751	23.5	4.6	55
31...	1108	80513	80513	33.0	140	277	7.6	751	22.5	5.1	59
31...	1109	80513	80513	35.0	140	275	7.6	751	21.5	4.3	49
31...	1110	80513	80513	37.0	140	272	7.6	751	20.5	4.7	54
31...	1111	80513	80513	40.0	140	276	7.5	751	20.0	3.6	40
31...	1112	80513	80513	45.0	140	272	7.6	751	19.0	3.7	41
31...	1113	80513	80513	50.0	140	272	7.5	751	17.5	2.9	30
31...	1114	80513	80513	55.0	140	271	7.5	751	17.0	2.5	26
31...	1115	80513	80513	60.0	140	269	7.6	751	16.0	3.4	35
31...	1116	80513	80513	70.0	140	266	7.6	751	15.0	3.3	34
31...	1117	80513	80513	80.0	140	265	7.6	751	14.5	3.5	35
31...	1118	80513	80513	90.0	140	264	7.6	751	13.5	3.3	32
31...	1119	80513	80513	100	140	267	7.6	751	13.0	2.2	21
31...	1120	80513	80513	110	140	267	7.5	751	12.0	0.6	5
31...	1121	80513	80020	112	140	267	7.5	751	12.0	0.5	5
31...	1122	80513	80513	120	140	267	7.5	751	11.5	0.4	4
31...	1123	80513	80513	130	140	270	7.6	751	11.0	0.4	3
31...	1124	80513	80513	140	140	272	7.6	751	10.5	0.4	3

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUL									
31...	1100	4.60	K1300	--	--	--	--	--	--
31...	1104	--	--	2	0.40	1.3	110	27	10
31...	1121	--	--	2	1.0	1.2	110	31	7.8

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
31...	1101	--	--	--	--	--	--	1.10	<0.100
31...	1104	108	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
31...	1121	112	<0.010	0.310	0.020	0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054478 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MISSOURI
(LAT 36°34'40" LONG 092°38'47")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
04...	1135	80513	80513	0.0	48.0	275	8.3	746	30.0	7.8	106
04...	1136	80513	80020	3.00	48.0	277	8.3	746	29.5	7.9	106
04...	1137	80513	80513	10.0	48.0	277	8.1	746	28.0	7.8	102
04...	1138	80513	80513	15.0	48.0	313	8.1	746	28.0	6.8	88
04...	1139	80513	80513	16.0	48.0	350	7.7	746	27.0	4.9	63
04...	1140	80513	80513	18.0	48.0	374	7.6	746	25.5	3.6	45
04...	1141	80513	80513	19.0	48.0	386	7.5	746	24.5	3.3	40
04...	1142	80513	80513	20.0	48.0	390	7.5	746	23.5	3.1	37
04...	1143	80513	80513	21.0	48.0	380	7.4	746	22.0	2.1	25
04...	1144	80513	80513	22.0	48.0	373	7.4	746	21.0	1.7	20
04...	1145	80513	81213	24.0	48.0	360	7.4	746	20.0	1.5	17
04...	1146	80513	80513	28.0	48.0	365	7.3	746	19.0	0.8	9
04...	1147	80513	80513	30.0	48.0	373	7.3	746	18.5	0.5	5
04...	1148	80513	80513	37.0	48.0	371	7.3	746	17.5	0.4	4
04...	1149	80513	80513	40.0	48.0	373	7.2	746	17.0	0.4	4
04...	1150	80513	80513	48.0	48.0	400	7.1	746	16.0	0.4	4
JUL											
31...	0830	80513	80513	0.0	30.0	292	8.3	751	28.0	9.4	122
31...	0831	80513	80020	3.00	30.0	293	8.3	751	28.0	9.4	121
31...	0832	80513	80513	10.0	30.0	294	8.3	751	28.0	9.2	119
31...	0833	80513	80020	15.0	30.0	297	8.3	751	28.0	8.4	109
31...	0834	80513	80513	20.0	30.0	300	8.1	751	27.5	7.5	97
31...	0835	80513	80513	27.0	30.0	332	7.7	751	26.5	4.0	51
31...	0836	80513	80513	30.0	30.0	354	7.6	751	26.5	3.5	45

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
04...	1135	3.80	1	--	--	--	--	--	--
04...	1145	--	--	10	0.99	1.3	210	45	23
JUL									
31...	0830	2.00	1	--	--	--	--	--	--
31...	0833	--	--	2	1.0	1.7	140	30	17

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	1136	--	--	--	--	--	--	1.00	0.200
04...	1145	202	<0.010	0.040	0.020	<0.010	0.010	--	--
JUL									
31...	0831	--	--	--	--	--	--	<0.100	<0.100
31...	0833	144	<0.010	<0.050	<0.010	0.070	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARKANSAS
(LAT 36°28'30" LONG 092°37'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
20...	1100	80513	80513	0.0	165	250	8.3	749	28.5	8.9	116
20...	1101	80513	80020	3.00	165	252	8.3	749	28.0	8.9	116
20...	1102	80513	80513	10.0	165	249	8.3	749	28.0	8.8	115
20...	1103	80513	80513	15.0	165	239	8.3	749	27.5	9.3	120
20...	1104	80513	80513	17.0	165	239	8.3	749	26.5	10.3	130
20...	1105	80513	80513	19.0	165	243	8.3	749	25.5	10.8	134
20...	1106	80513	80513	20.0	155	245	8.4	749	25.0	11.0	136
20...	1107	80513	80513	21.0	165	246	8.4	749	24.0	11.6	139
20...	1108	80513	80513	22.0	165	245	8.4	749	23.0	11.7	138
20...	1109	80513	80513	24.0	165	248	8.4	749	22.0	11.3	132
20...	1110	80513	80513	26.0	165	247	8.3	749	21.0	10.9	124
20...	1111	80513	80513	28.0	165	249	8.2	749	20.0	9.9	110
20...	1112	80513	80513	30.0	165	249	8.2	749	19.0	9.1	100
20...	1113	80513	81213	33.0	165	250	8.1	749	18.5	8.4	92
20...	1114	80513	80513	37.0	165	251	7.9	749	17.5	7.5	80
20...	1115	80513	80513	40.0	165	252	7.8	749	17.0	6.9	73
20...	1116	80513	80513	45.0	165	255	7.7	749	16.0	6.3	65
20...	1117	80513	80513	50.0	165	253	7.7	749	15.5	6.1	63
20...	1118	80513	80513	60.0	165	249	7.6	749	14.5	6.3	63
20...	1119	80513	80513	70.0	165	249	7.6	749	14.0	6.4	63
20...	1120	80513	80513	80.0	165	251	7.7	749	13.0	6.0	58
20...	1121	80513	80513	90.0	165	254	7.6	749	12.0	5.6	53
20...	1122	80513	80513	100	165	253	7.6	749	11.5	5.5	51
20...	1123	80513	80513	110	165	259	7.6	749	11.0	5.3	49
20...	1124	80513	80513	120	165	261	7.6	749	10.5	4.8	44
20...	1125	80513	80513	130	165	264	7.6	749	10.0	4.2	38
20...	1126	80513	81213	132	165	264	7.6	749	10.0	3.7	33
20...	1127	80513	80513	140	165	263	7.6	749	9.5	3.4	30
20...	1128	80513	80513	150	165	262	7.5	749	9.0	2.4	21
20...	1129	80513	80513	160	165	261	7.5	749	9.0	1.6	14
20...	1130	80513	80513	165	165	262	7.5	749	9.0	1.3	12

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
20...	1100	4.80	0	--	--	--	--	--	--
20...	1113	--	--	5	0.33	1.0	130	36	10
20...	1126	--	--	5	0.34	0.7	140	38	11

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	1101	--	--	--	--	--	--	0.400	<0.100
20...	1113	120	0.010	0.040	0.010	0.060	0.020	--	--
20...	1126	136	<0.010	0.380	<0.010	0.050	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARKANSAS--CONTINUED
(LAT 36°28'30" LONG 092°37'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL											
31...	1010	80513	80513	0.0	150	250	8.4	750	28.0	9.5	124
31...	1011	80513	80020	3.00	150	251	8.4	750	28.5	9.3	122
31...	1012	80513	80513	10.0	150	253	8.4	750	28.0	9.3	122
31...	1013	80513	80513	20.0	150	252	8.4	750	28.0	9.3	121
31...	1014	80513	80513	27.0	150	254	8.3	750	27.5	9.5	122
31...	1015	80513	80513	28.0	150	261	8.2	750	26.0	10.8	136
31...	1016	80513	80513	29.0	150	266	8.0	750	24.5	9.9	121
31...	1017	80513	80020	30.0	150	266	8.0	750	24.0	10.2	124
31...	1018	80513	80513	33.0	150	271	7.8	750	23.0	7.8	92
31...	1019	80513	80513	35.0	150	267	7.9	750	22.5	8.2	96
31...	1020	80513	80513	37.0	150	266	7.8	750	21.5	8.0	92
31...	1021	80513	80513	39.0	150	267	7.7	750	20.5	6.8	76
31...	1022	80513	80513	40.0	150	267	7.7	750	20.0	6.5	73
31...	1023	80513	80513	45.0	150	267	7.6	750	19.0	5.6	61
31...	1024	80513	80513	50.0	150	269	7.5	750	18.0	4.3	46
31...	1025	80513	80513	60.0	150	271	7.5	750	16.5	3.6	38
31...	1026	80513	80513	70.0	150	275	7.5	750	15.5	3.7	38
31...	1027	80513	80513	80.0	150	289	7.6	750	14.5	3.4	33
31...	1028	80513	80513	90.0	150	283	7.6	750	13.5	3.1	30
31...	1029	80513	80513	100	150	297	7.6	750	13.0	1.8	18
31...	1030	80513	80513	110	150	299	7.6	750	12.5	0.9	8
31...	1031	80513	80513	120	150	298	7.6	750	11.5	0.5	4
31...	1032	80513	80020	130	150	298	7.6	750	11.5	0.4	4
31...	1033	80513	80513	140	150	303	7.6	750	11.0	0.5	5
31...	1034	80513	80513	150	150	314	7.6	750	10.0	0.4	4

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL									
31...	1010	5.50	0	--	--	--	--	--	--
31...	1017	--	--	--	--	2.0	--	--	--
31...	1032	--	--	2	0.60	1.1	150	37	13

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
31...	1011	--	--	--	--	--	--	0.700	<0.100
31...	1017	122	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
31...	1032	120	0.020	0.320	0.030	<0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARKANSAS
(LAT 36°23'00" LONG 092°36'58")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
04...	1515	80513	80513	0.0	150	233	8.2	745	29.5	8.6	116
04...	1516	80513	80020	3.00	150	231	8.3	745	28.5	8.8	117
04...	1517	80513	80513	10.0	150	232	8.3	745	28.0	8.9	116
04...	1518	80513	80513	14.0	150	229	8.3	745	27.0	10.0	128
04...	1519	80513	80513	15.0	150	230	8.3	745	25.5	10.5	132
04...	1520	80513	80513	17.0	150	230	8.4	745	24.5	11.2	138
04...	1521	80513	80513	19.0	150	229	8.4	745	23.0	11.9	142
04...	1522	80513	80513	20.0	150	230	8.4	745	22.0	11.9	139
04...	1523	80513	80513	22.0	150	233	8.4	745	21.0	11.2	128
04...	1524	80513	80513	25.0	150	234	8.3	745	19.0	10.6	117
04...	1525	80513	80513	27.0	150	237	8.3	745	19.0	9.7	107
04...	1526	80513	81213	30.0	150	239	8.2	745	18.5	9.1	99
04...	1527	80513	80513	35.0	150	240	8.0	745	17.5	8.1	87
04...	1528	80513	80513	40.0	150	241	7.9	745	16.5	7.4	78
04...	1529	80513	80513	45.0	150	241	7.7	745	15.5	7.0	72
04...	1530	80513	80513	50.0	150	240	7.7	745	15.0	6.7	68
04...	1531	80513	80513	60.0	150	242	7.6	745	14.0	6.6	65
04...	1532	80513	80513	70.0	150	241	7.6	745	13.0	6.5	64
04...	1533	80513	80513	80.0	150	240	7.6	745	12.0	6.2	59
04...	1534	80513	80513	90.0	150	240	7.5	745	11.5	6.1	57
04...	1535	80513	80513	100	150	238	7.5	745	11.0	5.9	55
04...	1536	80513	80513	110	150	237	7.5	745	10.5	5.8	54
04...	1537	80513	81213	120	150	239	7.5	745	10.0	5.6	51
04...	1538	80513	80513	130	150	241	7.5	745	9.5	4.6	41
04...	1539	80513	80513	140	150	241	7.5	745	9.5	3.9	34
04...	1540	80513	80513	150	150	242	7.5	745	9.0	2.6	23

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
04...	1515	4.90	0	--	--	--	--	--	--
04...	1526	--	--	5	0.63	0.9	130	36	9.2
04...	1537	--	--	5	0.27	0.5	130	36	9.3

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
04...	1516	--	--	--	--	--	--	0.500	<0.200
04...	1526	112	<0.010	0.090	<0.010	<0.010	0.010	--	--
04...	1537	120	<0.010	0.310	<0.010	<0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARKANSAS--CONTINUED
(LAT 36°23'00" LONG 092°36°58")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
01...	1050	80513	80513	0.0	130	245	8.5	750	29.0	9.4	124
01...	1051	80513	80020	3.00	130	245	8.5	750	29.0	9.4	124
01...	1052	80513	80513	10.0	130	245	8.5	750	28.5	9.5	125
01...	1053	80513	80513	20.0	130	244	8.5	750	28.0	9.6	126
01...	1054	80513	80020	26.0	130	245	8.4	750	27.5	9.6	125
01...	1055	80513	80513	27.0	130	251	8.3	750	26.0	12.2	154
01...	1056	80513	80513	28.0	130	251	8.3	750	25.5	12.8	158
01...	1057	80513	80513	30.0	130	251	8.4	750	25.0	12.9	159
01...	1058	80513	80513	32.0	130	252	8.3	750	24.0	12.0	145
01...	1059	80513	80513	34.0	130	252	8.2	750	23.0	11.9	141
01...	1100	80513	80513	36.0	130	254	8.2	750	21.5	11.1	129
01...	1101	80513	80513	38.0	130	256	8.1	750	20.5	9.7	110
01...	1102	80513	80513	40.0	130	258	8.0	750	20.0	8.7	98
01...	1103	80513	80513	44.0	130	261	7.8	750	19.0	6.7	73
01...	1104	80513	80513	48.0	130	261	7.7	750	18.0	5.8	62
01...	1105	80513	80513	50.0	130	261	7.7	750	17.5	5.5	59
01...	1106	80513	80513	55.0	130	264	7.7	750	17.0	4.7	49
01...	1107	80513	80513	60.0	130	263	7.7	750	16.0	4.3	44
01...	1108	80513	80513	70.0	130	266	7.7	750	15.0	3.7	37
01...	1109	80513	80513	80.0	130	266	7.7	750	14.5	3.6	36
01...	1110	80513	80513	90.0	130	267	7.6	750	13.5	3.2	31
01...	1111	80513	80513	100	130	267	7.6	750	13.0	3.0	29
01...	1112	80513	80020	104	130	268	7.6	750	12.0	1.9	18
01...	1113	80513	80513	110	130	269	7.6	750	12.0	1	9
01...	1114	80513	80513	120	130	272	7.6	750	12.0	0.7	7
01...	1115	80513	80513	130	130	273	7.6	750	11.5	0.7	6

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
01...	1050	5.20	0	--	--	--	--	--	--
01...	1054	--	--	2	0.70	1.1	120	30	11
01...	1112	--	--	2	0.60	0.8	130	36	10

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
01...	1051	--	--	--	--	--	--	0.600	<0.100
01...	1054	106	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
01...	1112	108	<0.010	0.310	<0.010	<0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARKANSAS
(LAT 36°23'32" LONG 092°32'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
05...	0930	80513	80513	0.0	160	235	8.4	748	27.5	9.5	122
05...	0931	80513	80020	3.00	160	235	8.4	748	27.5	8.7	112
05...	0932	80513	80513	10.0	160	234	8.3	748	27.5	8.3	107
05...	0933	80513	80513	12.0	160	229	8.3	748	26.5	9.9	125
05...	0934	80513	80513	14.0	160	228	8.4	748	25.5	10.6	132
05...	0935	80513	80513	16.0	160	228	8.4	748	24.5	10.8	132
05...	0936	80513	80513	17.0	160	228	8.4	748	23.5	12.0	144
05...	0937	80513	80513	18.0	160	228	8.4	748	22.5	12.4	146
05...	0938	80513	80513	20.0	160	229	8.4	748	21.0	12.4	142
05...	0939	80513	80513	21.0	160	229	8.4	748	20.5	12.2	138
05...	0940	80513	80513	25.0	160	233	8.4	748	19.5	10.7	119
05...	0941	80513	80513	30.0	160	238	8.2	748	18.5	9.2	100
05...	0942	80513	81213	32.0	160	242	8.0	748	17.0	8.0	84
05...	0943	80513	80513	40.0	160	241	7.9	748	16.5	7.8	81
05...	0944	80513	80513	45.0	160	239	7.8	748	15.0	7.0	71
05...	0945	80513	80513	50.0	160	241	7.8	748	14.5	7.0	70
05...	0946	80513	80513	55.0	160	241	7.8	748	14.0	6.8	68
05...	0947	80513	80513	60.0	160	242	7.7	748	13.5	6.8	67
05...	0948	80513	80513	70.0	160	241	7.7	748	12.5	6.9	65
05...	0949	80513	80513	80.0	160	240	7.7	748	12.0	6.9	65
05...	0950	80513	80513	90.0	160	240	7.6	748	11.5	6.9	64
05...	0951	80513	80513	100	160	239	7.6	748	11.0	6.9	63
05...	0952	80513	80513	120	160	239	7.6	748	10.0	6.9	62
05...	0954	80513	81213	128	160	239	7.6	748	9.5	6.9	61
05...	0955	80513	80513	130	160	240	7.6	748	9.0	6.8	60
05...	0956	80513	80513	140	160	240	7.7	748	8.0	6.8	59
05...	0957	80513	80513	150	160	240	7.7	748	8.5	6.8	59
05...	0958	80513	80513	160	160	241	7.7	748	8.5	6.8	59

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
05...	0930	4.10	0	--	--	--	--	--	--
05...	0942	--	--	5	0.42	0.9	130	35	9.5
05...	0954	--	--	5	0.23	0.8	130	36	10

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
05...	0931	--	--	--	--	--	--	0.900	<0.200
05...	0942	116	<0.010	0.100	0.010	<0.010	0.010	--	--
05...	0954	118	<0.010	0.320	<0.010	<0.010	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARKANSAS--CONTINUED
(LAT 36°23'32" LONG 092°32'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
01...	0900	80513	80513	0.0	140	243	8.5	750	28.5	9.8	129
01...	0901	80513	80020	3.00	140	243	8.5	750	28.5	39.6	519
01...	0902	80513	80513	10.0	140	243	8.5	750	28.5	9.5	125
01...	0903	80513	80513	20.0	140	242	8.5	750	28.0	9.6	125
01...	0904	80513	80513	25.0	140	251	8.3	750	27.5	7.3	94
01...	0905	80513	80513	26.0	140	257	7.9	750	26.5	7.1	90
01...	0906	80513	80513	27.0	140	255	7.9	750	26.5	9.1	115
01...	0907	80513	80020	28.0	140	249	8.2	750	24.5	12.5	152
01...	0908	80513	80513	30.0	140	246	8.3	750	23.5	12.1	145
01...	0909	80513	80513	32.0	140	247	8.4	750	22.5	13.4	158
01...	0910	80513	80513	34.0	140	247	8.3	750	21.5	12.1	139
01...	0911	80513	80513	36.0	140	249	8.3	750	21.0	11.7	133
01...	0912	80513	80513	38.0	140	252	8.3	750	20.0	10.7	119
01...	0913	80513	80513	40.0	140	252	8.2	750	19.5	10.0	111
01...	0914	80513	80513	44.0	140	258	7.9	750	18.5	7.3	80
01...	0915	80513	80513	48.0	140	259	7.8	750	17.5	6.3	67
01...	0916	80513	80513	50.0	140	260	7.8	750	17.5	5.6	59
01...	0917	80513	80513	55.0	140	263	7.7	750	16.5	4.7	49
01...	0918	80513	80513	60.0	140	264	7.7	750	16.0	4.1	43
01...	0919	80513	80513	70.0	140	265	7.7	750	15.0	4.2	42
01...	0920	80513	80513	80.0	140	266	7.7	750	14.0	3.6	36
01...	0921	80513	80513	90.0	140	266	7.7	750	13.5	3.9	38
01...	0922	80513	80513	100	140	265	7.8	750	13.5	3.8	37
01...	0923	80513	80513	110	140	264	7.7	750	13.5	3.6	35
01...	0924	80513	80020	112	140	266	7.7	750	13.0	3.5	34
01...	0925	80513	80513	120	140	266	7.7	750	13.0	3.3	32
01...	0926	80513	80513	130	140	268	7.8	750	12.0	3.0	28
01...	0927	80513	80513	140	140	268	7.8	750	11.5	3.0	28

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
01...	0900	5.30	0	--	--	--	--	--	--
01...	0907	--	--	1	0.40	1.0	130	33	11
01...	0924	--	--	1	0.70	0.9	130	35	9.7

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
01...	0901	--	--	--	--	--	--	0.900	<0.100
01...	0907	190	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
01...	0924	194	<0.010	0.300	<0.010	<0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MISSOURI
(LAT 36°35'12" LONG 092°17'18")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
20...	1630	80513	80513	0.0	15.0	273	8.6	749	32.0	11.9	167
20...	1631	80513	80513	1.00	15.0	273	8.6	749	32.0	12.2	170
20...	1632	80513	80513	2.00	15.0	272	8.6	749	30.0	12.3	167
20...	1633	80513	81213	3.00	15.0	274	8.6	749	29.5	11.7	156
20...	1634	80513	80513	7.00	15.0	292	8.1	749	28.5	8.0	105
20...	1635	80513	80513	9.00	15.0	312	8.2	749	27.0	8.9	115
20...	1636	80513	80513	10.0	15.0	319	8.2	749	26.5	9.4	119
20...	1637	80513	81213	12.0	15.0	331	8.1	749	25.5	8.9	111
20...	1638	80513	80513	13.0	15.0	345	8.0	749	24.0	8.3	101
20...	1639	80513	80513	14.0	15.0	348	7.9	749	23.0	8.5	101
20...	1640	80513	80513	15.0	15.0	348	7.9	749	23.0	8.5	101
JUL											
30...	1450	80513	80513	0.0	14.0	381	8.1	752	23.0	10.8	127
30...	1451	80513	80020	3.00	14.0	382	8.1	752	22.5	10.7	125
30...	1452	80513	80020	7.00	14.0	383	8.1	752	22.5	10.5	123
30...	1453	80513	80513	10.0	14.0	402	8.1	752	21.5	8.3	95
30...	1454	80513	80513	14.0	14.0	432	8.0	752	20.5	6.2	70

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
20...	1630	1.50	5	--	--	--	--	--	--
20...	1633	--	--	5	2.1	3.0	160	30	20
20...	1637	--	--	5	6.1	2.6	160	32	20
JUL									
30...	1450	2.10	0	--	--	--	--	--	--
30...	1451	--	--	2	1.4	1.7	160	29	21
30...	1452	--	--	1	1.4	1.8	190	37	24

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	1633	150	<0.010	<0.020	0.010	0.070	0.020	3.30	1.10
20...	1637	158	<0.010	<0.020	0.030	0.080	0.030	--	--
JUL									
30...	1451	140	<0.010	<0.050	<0.010	0.020	<0.010	1.90	<0.100
30...	1452	200	<0.010	0.440	<0.010	<0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MISSOURI
(LAT 36°32'53" LONG 092°16'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
20...	1650	80513	80513	0.0	20.0	275	8.6	749	31.5	11.3	157
20...	1651	80513	80513	1.00	20.0	275	8.6	749	31.5	11.7	161
20...	1652	80513	80513	2.00	20.0	279	8.6	749	30.5	12.0	163
20...	1653	80513	80020	3.00	20.0	280	8.6	749	29.5	12.0	161
20...	1654	80513	80513	9.00	20.0	394	8.0	749	28.0	7.8	102
20...	1655	80513	81213	10.0	20.0	406	7.8	749	27.0	6.9	89
20...	1656	80513	80513	12.0	20.0	427	7.7	749	26.0	6.6	84
20...	1657	80513	80513	15.0	20.0	461	7.6	749	25.5	5.5	68
20...	1658	80513	80513	17.0	20.0	479	7.3	749	24.0	2.9	35
20...	1659	80513	80513	19.0	20.0	462	7.2	749	23.0	0.4	5
20...	1700	80513	80513	20.0	20.0	462	7.1	749	22.5	0.3	4
JUL											
30...	1420	80513	80513	0.0	20.0	287	8.6	752	29.5	10.8	144
30...	1421	80513	80020	3.00	20.0	290	8.6	752	28.5	11.5	151
30...	1422	80513	80513	4.00	20.0	337	8.5	752	27.0	11.4	144
30...	1423	80513	80513	6.00	20.0	385	8.2	752	26.0	9.4	118
30...	1424	80513	80513	7.00	20.0	421	7.8	752	25.0	7.4	91
30...	1425	80513	80513	8.00	20.0	456	7.7	752	24.0	5.5	67
30...	1426	80513	80020	10.0	20.0	481	7.5	752	23.0	3.5	42
30...	1427	80513	80513	13.0	20.0	403	7.5	752	22.5	4.2	49
30...	1428	80513	80513	18.0	20.0	528	7.1	752	21.5	0.4	5
30...	1429	80513	80513	20.0	20.0	474	7.2	752	21.0	0.3	4

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
20...	1650	1.60	29	--	--	--	--	--	--
20...	1655	--	--	5	1.4	2.3	200	39	24
JUL									
30...	1420	1.40	9	--	--	--	--	--	--
30...	1426	--	--	--	--	1.6	--	--	--

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
20...	1653	--	--	--	--	--	--	4.50	1.20
20...	1655	156	<0.010	<0.020	<0.010	0.060	0.020	--	--
JUL									
30...	1421	--	--	--	--	--	--	0.200	<0.100
30...	1426	200	<0.010	0.450	<0.010	0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARKANSAS
(LAT 36°24'07" LONG 092°19'15")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1745	80513	80513	0.0	60.0	283	8.6	751	29.5	9.8	131
19...	1746	80513	80020	3.00	60.0	283	8.6	751	29.5	9.8	131
19...	1747	80513	80513	10.0	60.0	282	8.6	751	29.0	10.2	135
19...	1748	80513	81213	12.0	60.0	283	8.6	751	28.5	9.9	130
19...	1749	80513	80513	15.0	60.0	299	8.4	751	27.5	9.0	116
19...	1750	80513	80513	17.0	60.0	323	7.9	751	26.0	5.5	69
19...	1751	80513	80513	18.0	60.0	335	7.7	751	25.5	3.8	47
19...	1752	80513	80513	20.0	60.0	341	7.5	751	24.5	3.0	37
19...	1753	80513	80513	21.0	60.0	331	7.6	751	23.5	4.4	53
19...	1754	80513	80513	24.0	60.0	330	7.5	751	22.5	2.9	34
19...	1755	80513	80513	26.0	60.0	333	7.4	751	21.5	1.2	13
19...	1756	80513	80513	28.0	60.0	336	7.3	751	21.0	0.4	5
19...	1757	80513	80513	30.0	60.0	322	7.4	751	20.5	1.9	21
19...	1758	80513	80513	37.0	60.0	325	7.3	751	19.5	0.5	6
19...	1759	80513	80513	40.0	60.0	326	7.3	751	19.0	0.3	4
19...	1800	80513	80513	45.0	60.0	333	7.3	751	18.5	0.4	4
19...	1801	80513	81213	48.0	60.0	332	7.3	751	18.0	0.3	4
19...	1802	80513	80513	50.0	60.0	327	7.3	751	17.5	0.3	3
19...	1803	80513	80513	55.0	60.0	329	7.3	751	16.5	0.3	3
19...	1804	80513	80513	60.0	60.0	330	7.3	751	15.5	0.3	3

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1745	2.70	15	--	--	--	--	--	--
19...	1748	--	--	5	0.35	1.0	160	31	20
19...	1801	--	--	5	2.6	1.0	190	39	22

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1746	--	--	--	--	--	--	1.60	0.300
19...	1748	156	<0.010	<0.020	<0.010	0.040	0.020	--	--
19...	1801	164	0.030	0.160	0.090	0.040	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARKANSAS--CONTINUED
(LAT 36°24'07" LONG 092°19'15")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUL											
30...	1120	80513	80020	0.0	52.0	291	8.3	753	28.5	6.9	90
30...	1121	80513	80020	3.00	52.0	289	8.3	753	28.5	7.0	92
30...	1122	80513	80020	10.0	52.0	289	8.3	753	28.0	7.2	94
30...	1123	80513	80513	20.0	52.0	290	8.3	753	28.0	7.2	93
30...	1124	80513	80513	22.0	52.0	333	7.8	753	27.5	1.4	18
30...	1125	80513	80513	24.0	52.0	351	7.5	753	26.5	0.4	5
30...	1126	80513	80513	26.0	52.0	355	7.4	753	25.5	0.3	4
30...	1127	80513	80513	30.0	52.0	349	7.4	753	24.5	0.3	4
30...	1128	80513	80513	32.0	52.0	347	7.3	753	23.5	0.3	4
30...	1129	80513	80513	34.0	52.0	348	7.3	753	22.5	0.3	4
30...	1130	80513	80513	38.0	52.0	349	7.3	753	21.5	0.3	4
30...	1131	80513	80513	40.0	52.0	351	7.3	753	21.0	0.3	3
30...	1132	80513	80020	42.0	52.0	353	7.3	753	20.5	0.3	3
30...	1133	80513	80513	45.0	52.0	358	7.3	753	20.0	0.3	3
30...	1134	80513	80513	50.0	52.0	358	7.3	753	19.0	0.3	3
30...	1135	80513	80513	52.0	52.0	370	7.2	753	18.5	0.3	3

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUL									
30...	1120	2.60	0	--	--	--	--	--	--
30...	1122	2.60	--	1	0.50	1.9	150	27	20
30...	1132	--	--	12	2.0	2.2	160	33	20

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUL									
30...	1121	--	--	--	--	--	--	2.20	<0.100
30...	1122	144	<0.010	<0.050	<0.010	0.010	<0.010	--	--
30...	1132	184	<0.010	<0.050	0.260	0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, ARKANSAS
(LAT 36°22'30" LONG 092°14'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1620	80513	80513	0.0	135	283	8.5	750	29.0	9.6	127
19...	1621	80513	80020	3.00	135	283	8.5	750	29.0	9.5	127
19...	1622	80513	80513	10.0	135	284	8.5	750	29.0	9.5	126
19...	1623	80513	80513	15.0	135	287	8.5	750	28.0	9.9	128
19...	1624	80513	80513	17.0	135	295	8.4	750	26.5	10.0	127
19...	1625	80513	80513	18.0	135	299	8.4	750	26.0	10	125
19...	1626	80513	80513	19.0	135	301	8.3	750	25.5	9.9	122
19...	1627	80513	80513	20.0	135	306	8.1	750	24.0	9.3	112
19...	1628	80513	80513	22.0	135	309	7.9	750	23.0	7.7	91
19...	1629	80513	80513	25.0	135	308	7.8	750	22.0	7.1	83
19...	1630	80513	81213	27.0	135	307	7.7	750	21.5	6.4	73
19...	1631	80513	80513	30.0	135	306	7.7	750	21.0	6.2	70
19...	1632	80513	80513	35.0	135	304	7.6	750	20.0	5.0	56
19...	1633	80513	80513	40.0	135	304	7.5	750	19.0	3.0	33
19...	1634	80513	80513	45.0	135	305	7.4	750	18.0	2.4	26
19...	1635	80513	80513	50.0	135	305	7.4	750	17.0	2.6	27
19...	1636	80513	80513	55.0	135	306	7.5	750	16.0	3.4	35
19...	1637	80513	80513	60.0	135	310	7.5	750	15.0	3.6	37
19...	1638	80513	80513	65.0	135	312	7.6	750	14.5	3.8	37
19...	1639	80513	80513	70.0	135	314	7.6	750	14.0	3.9	38
19...	1640	80513	80513	75.0	135	318	7.6	750	13.5	3.9	38
19...	1641	80513	80513	80.0	135	318	7.6	750	12.5	4.1	40
19...	1642	80513	80513	85.0	135	323	7.6	750	12.5	3.7	35
19...	1643	80513	80513	90.0	135	323	7.6	750	11.5	2.8	27
19...	1644	80513	80513	100	135	325	7.6	750	11.0	2.9	27
19...	1645	80513	81213	108	135	324	7.6	750	11.0	2.6	24
19...	1646	80513	80513	110	135	325	7.6	750	10.5	2.5	22
19...	1647	80513	80513	120	135	325	7.6	750	10.5	2.3	21
19...	1648	80513	80513	130	135	325	7.6	750	10.5	1.8	17
19...	1649	80513	80513	135	135	325	7.6	750	10.5	1.6	15

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1620	4.30	0	--	--	--	--	--	--
19...	1630	--	--	5	0.44	170	170	35	20
19...	1645	--	--	5	1.4	0.7	170	36	20

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1621	--	--	--	--	--	--	1.10	0.200
19...	1630	2	0.010	0.210	0.010	0.050	0.020	--	--
19...	1645	168	<0.010	0.510	0.010	0.050	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, ARKANSAS--CONTINUED
(LAT 36°22'30" LONG 092°14'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUL											
30...	1215	80513	80513	0.0	120	294	8.4	753	28.5	8.1	106
30...	1216	80513	80020	3.00	120	292	8.3	753	28.5	8.0	105
30...	1217	80513	80513	10.0	120	294	8.3	753	28.5	8.0	105
30...	1218	80513	80513	20.0	120	293	8.3	753	28.0	8.0	104
30...	1219	80513	80020	24.0	120	293	8.3	753	28.0	7.9	103
30...	1220	80513	80513	26.0	120	328	8.0	753	27.0	6.5	82
30...	1221	80513	80513	27.0	120	343	7.7	753	25.5	7.6	94
30...	1222	80513	80513	30.0	120	341	7.6	753	24.5	4.1	51
30...	1223	80513	80513	34.0	120	335	7.4	753	23.0	2.2	26
30...	1224	80513	80513	36.0	120	329	7.4	753	22.0	1.3	15
30...	1225	80513	80513	38.0	120	326	7.4	753	21.5	0.9	11
30...	1226	80513	80513	40.0	120	323	7.3	753	21.0	0.7	8
30...	1227	80513	80513	43.0	120	322	7.3	753	20.0	0.3	4
30...	1228	80513	80513	48.0	120	321	7.3	753	19.5	0.3	3
30...	1229	80513	80513	50.0	120	319	7.4	753	19.0	0.3	3
30...	1230	80513	80513	57.0	120	321	7.4	753	18.0	0.3	3
30...	1231	80513	80513	60.0	120	321	7.4	753	17.5	0.3	3
30...	1232	80513	80513	65.0	120	320	7.4	753	16.5	0.3	3
30...	1233	80513	80513	70.0	120	323	7.4	753	16.0	0.3	3
30...	1234	80513	80513	77.0	120	322	7.5	753	15.0	0.5	5
30...	1235	80513	80513	80.0	120	323	7.5	753	14.5	0.3	3
30...	1236	80513	80513	90.0	120	335	7.5	753	13.5	0.3	3
30...	1237	80513	80020	96.0	120	338	7.5	753	12.5	0.3	3
30...	1238	80513	80513	100	120	341	7.5	753	12.5	0.3	3
30...	1239	80513	80513	110	120	346	7.5	753	12.0	0.3	2
30...	1240	80513	80513	120	120	353	7.5	753	11.5	0.3	3

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL									
30...	1215	3.70	0	--	--	--	--	--	--
30...	1219	--	--	1	0.30	1.4	150	27	20
30...	1237	--	--	1	1.8	1.2	180	36	21

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL									
30...	1216	--	--	--	--	--	--	1.60	<0.100
30...	1219	150	<0.010	<0.050	<0.010	<0.010	<0.010	--	--
30...	1237	164	0.020	0.320	0.050	<0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, ARKANSAS
(LAT 36°20'07" LONG 092°17'04")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1530	80513	80513	0.0	30.0	296	8.5	752	30.0	9.3	124
19...	1531	80513	80020	3.00	30.0	299	8.5	752	29.5	9.3	124
19...	1532	80513	80513	5.00	30.0	299	8.5	752	29.5	9.3	124
19...	1533	80513	80513	10.0	30.0	301	8.5	752	29.5	8.8	118
19...	1534	80513	81213	15.0	30.0	315	8.1	752	28.0	8.1	105
19...	1535	80513	80513	17.0	30.0	318	8.1	752	27.5	8.2	106
19...	1536	80513	80513	20.0	30.0	325	7.8	752	27.0	3.8	48
19...	1537	80513	80513	21.0	30.0	333	7.4	752	25.0	0.9	12
19...	1538	80513	80513	22.0	30.0	334	7.3	752	24.0	0.3	3
19...	1539	80513	80513	24.0	30.0	327	7.3	752	22.5	0.3	3
19...	1540	80513	80513	26.0	30.0	327	7.3	752	22.0	0.3	3
19...	1541	80513	80513	30.0	30.0	330	7.3	752	20.5	0.3	3
JUL											
30...	1635	80513	80513	0.0	14.0	288	8.2	751	30.5	7.6	104
30...	1636	80513	80020	3.00	14.0	288	8.2	751	30.0	8.0	107
30...	1637	80513	80020	7.00	14.0	289	8.2	751	29.5	8.0	108
30...	1638	80513	80513	10.0	14.0	290	8.2	751	28.5	7.9	104
30...	1639	80513	80513	14.0	14.0	291	8.3	751	28.5	7.5	99

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1530	3.10	5	--	--	--	--	--	--
19...	1534	--	--	5	1.2	1.7	170	33	21
JUL									
30...	1635	1.80	0	--	--	--	--	--	--
30...	1637	--	--	1	2.2	2.5	250	48	32

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1531	--	--	--	--	--	--	1.20	0.300
19...	1534	146	<0.010	<0.020	0.010	0.050	0.020	--	--
JUL									
30...	1636	--	--	--	--	--	--	10.0	0.700
30...	1637	238	0.020	0.093	0.060	0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MISSOURI
(LAT 37°19'30" LONG 090°45'50")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
17...	1500	80513	80513	0.0	4.0	240	7.8	748	25.0	8.6	107
17...	1502	80513	80513	1.00	4.0	240	7.8	748	25.0	8.6	106
17...	1504	80513	81213	2.00	4.0	241	7.8	748	25.0	8.6	107
17...	1506	80513	80020	3.00	4.0	241	7.8	748	25.0	8.7	107
17...	1508	80513	80513	4.00	4.0	241	7.8	748	25.0	8.7	107
AUG											
07...	1015	80513	80513	0.0	3.0	247	7.8	753	24.0	7.8	94
07...	1016	80513	80513	1.00	3.0	247	7.8	753	24.0	7.8	94
07...	1017	80513	80020	2.00	3.0	247	7.8	753	24.0	7.8	94
07...	1018	80513	80513	3.00	3.0	247	7.8	753	24.0	7.8	94

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
17...	1500	>1.20	0	--	--	--	--	--	--
17...	1504	--	--	5	0.10	0.9	130	27	15
AUG									
07...	1015	0.91	20	--	--	--	--	--	--
07...	1017	--	--	5	0.37	0.5	140	30	16

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
17...	1504	120	<0.010	0.060	0.010	0.050	0.020	--	--
17...	1506	--	--	--	--	--	--	<0.100	<0.100
AUG									
07...	1017	134	<0.010	0.040	<0.010	<0.010	<0.010	0.100	<0.100

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MISSOURI
(LAT 37°12'30" LONG 090°46'43")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
18...	1015	80513	80513	0.0	12.0	219	8.0	752	28.0	8.7	113
18...	1017	80513	80020	3.00	12.0	220	8.0	752	27.5	8.6	110
18...	1019	80513	81213	6.00	12.0	233	7.6	752	26.5	6.8	86
18...	1021	80513	80513	8.00	12.0	234	7.5	752	25.5	6.8	84
18...	1023	80513	80513	10.0	12.0	235	7.4	752	24.5	6.6	80
18...	1025	80513	80513	12.0	12.0	237	7.3	752	24.0	5.2	63
AUG											
07...	0730	80513	80513	0.0	12.0	241	7.6	754	27.5	7.6	97
07...	0731	80513	80020	3.00	12.0	240	7.8	754	27.5	7.4	94
07...	0732	80513	80513	5.00	12.0	240	7.8	754	27.5	7.3	94
07...	0733	80513	81213	6.00	12.0	240	7.8	754	27.5	7.1	91
07...	0734	80513	80513	8.00	12.0	242	7.6	754	26.5	6.9	87
07...	0735	80513	80513	10.0	12.0	243	7.6	754	26.0	6.4	81
07...	0736	80513	80513	12.0	12.0	244	7.5	754	26.0	5.9	74

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
18...	1015	0.67	5	--	--	--	--	--	--
18...	1019	--	--	5	14	1.3	120	26	14
AUG									
07...	0730	1.00	7	--	--	--	--	--	--
07...	0733	--	--	5	5.1	1.1	140	29	16

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
18...	1017	--	--	--	--	--	--	2.10	0.200
18...	1019	118	<0.010	0.060	0.040	0.080	0.020	--	--
AUG									
07...	0731	--	--	--	--	--	--	1.70	<0.100
07...	0733	128	<0.010	<0.020	0.010	0.020	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MISSOURI
(LAT 37°09'58" LONG 090°48'43")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
18...	1040	80513	80513	0.0	4.0	213	7.7	753	25.5	8.0	98
18...	1042	80513	80513	1.00	4.0	223	7.7	753	25.0	7.2	89
18...	1044	80513	81213	2.00	4.0	236	7.5	753	19.0	8.1	89
18...	1046	80513	80020	3.00	4.0	236	7.5	753	19.0	8.1	89
18...	1048	80513	80513	4.00	4.0	240	7.5	753	19.0	8.1	88
AUG											
07...	0800	80513	80513	0.0	4.0	226	7.9	754	27.5	7.4	95
07...	0801	80513	80513	1.00	4.0	226	7.9	754	27.5	7.3	93
07...	0802	80513	81213	2.00	4.0	226	8.0	754	27.5	7.3	93
07...	0803	80513	80020	3.00	4.0	227	8.0	754	27.0	7.0	88
07...	0804	80513	80513	4.00	4.0	241	7.6	754	23.5	6.2	73

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
18...	1040	0.46	17	--	--	--	--	--	--
18...	1044	--	--	5	12	1.2	130	27	14
AUG									
07...	0800	0.73	2	--	--	--	--	--	--
07...	0802	--	--	5	7.1	1.3	130	28	15

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
18...	1044	124	<0.010	0.220	0.020	0.070	0.020	--	--
18...	1046	--	--	--	--	--	--	0.600	<0.100
AUG									
07...	0802	124	<0.010	<0.020	<0.010	0.030	0.010	--	--
07...	0803	--	--	--	--	--	--	1.40	<0.100

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MISSOURI
(LAT 37°08'34" LONG 090°49'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
JUN											
18...	1100	80513	80513	0.0	6.0	199	8.0	753	29.5	8.0	106
18...	1102	80513	80513	1.00	6.0	199	7.9	753	29.0	7.9	104
18...	1104	80513	80513	2.00	6.0	199	8.0	753	28.5	7.8	102
18...	1106	80513	81213	3.00	6.0	201	7.9	753	28.0	7.6	99
18...	1108	80513	80513	4.00	6.0	204	7.7	753	28.0	6.9	89
18...	1110	80513	80513	5.00	6.0	215	7.5	753	28.0	5.3	68
18...	1112	80513	80513	6.00	6.0	233	7.3	753	25.0	5.6	68
AUG											
07...	0830	80513	80513	0.0	6.0	228	7.7	754	28.5	6.8	89
07...	0831	80513	80513	1.00	6.0	228	7.8	754	28.5	6.7	88
07...	0832	80513	80513	2.00	6.0	229	7.9	754	28.5	6.6	87
07...	0833	80513	80020	3.00	6.0	230	7.9	754	28.5	6.2	81
07...	0834	80513	80513	4.00	6.0	230	7.8	754	28.5	6.1	79
07...	0835	80513	80513	5.00	6.0	230	7.9	754	28.5	6.2	81
07...	0836	80513	80513	6.00	6.0	230	7.8	754	28.5	6.1	80

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
18...	1100	0.67	1	--	--	--	--	--	--
18...	1106	--	--	5	7.2	2.1	110	23	12
AUG									
07...	0830	0.70	1	--	--	--	--	--	--
07...	0833	--	--	5	12	1.2	130	28	15

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN									
18...	1106	104	<0.010	<0.020	0.010	0.070	0.020	2.60	0.300
AUG									
07...	0833	130	<0.010	<0.020	0.010	0.040	0.010	3.60	<0.100

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN									
18...	1100	0.67	1	--	--	--	--	--	--
18...	1106	--	--	5	7.2	2.1	110	23	12
AUG									
07...	0830	0.70	1	--	--	--	--	--	--
07...	0833	--	--	5	12	1.2	130	28	15

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MISSOURI--CONTINUED
(LAT 37°08'34" LONG 090°49'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
18...	1106	104	<0.010	<0.020	0.010	0.070	0.020	2.60	0.300
AUG									
07...	0833	130	<0.010	<0.020	0.010	0.040	0.010	3.60	<0.100

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MISSOURI
(LAT 37°08'12" LONG 090°46'23")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN											
18...	0940	80513	80513	0.0	40.0	192	8.1	752	28.0	8.7	113
18...	0942	80513	80020	3.00	40.0	192	8.1	752	28.0	8.4	109
18...	0944	80513	81213	8.00	40.0	192	8.1	752	28.0	8.3	108
18...	0946	80513	80513	10.0	40.0	192	8.1	752	28.0	8.3	108
18...	0948	80513	80513	11.0	40.0	193	8.0	752	27.5	8.2	105
18...	0950	80513	80513	13.0	40.0	201	7.7	752	26.5	5.8	73
18...	0952	80513	80513	15.0	40.0	208	7.3	752	25.5	4.1	51
18...	0954	80513	80513	17.0	40.0	211	7.2	752	25.0	4.2	52
18...	0956	80513	80513	20.0	40.0	211	7.1	752	24.0	2.4	29
18...	0958	80513	80513	23.0	40.0	209	7.0	752	23.0	1.4	16
18...	1000	80513	80513	27.0	40.0	203	6.9	752	22.0	0.2	2
18...	1002	80513	80513	30.0	40.0	199	6.9	752	21.0	0.1	2
18...	1004	80513	80513	31.0	40.0	202	6.9	752	20.0	0.1	1
18...	1006	80513	81213	32.0	40.0	213	7.0	752	19.0	0.1	1
18...	1008	80513	80513	38.0	40.0	213	7.0	752	18.5	0.1	1
18...	1010	80513	80513	40.0	40.0	213	7.0	752	18.0	0.1	1
AUG											
07...	0700	80513	80513	0.0	40.0	218	8.2	754	28.5	8.5	110
07...	0701	80513	80020	3.00	40.0	219	8.2	754	28.5	8.4	110
07...	0702	80513	81213	8.00	40.0	219	8.3	754	28.5	8.4	109
07...	0703	80513	80513	10.0	40.0	219	8.3	754	28.5	8.4	109
07...	0704	80513	80513	15.0	40.0	223	7.6	754	27.5	4.5	57
07...	0705	80513	80513	20.0	40.0	224	7.4	754	27.0	2.6	33
07...	0706	80513	80513	23.0	40.0	230	7.1	754	26.0	0.4	4
07...	0707	80513	80513	27.0	40.0	239	7.1	754	25.0	0.3	4
07...	0708	80513	80513	30.0	40.0	244	7.1	754	24.5	0.3	4
07...	0709	80513	80513	31.0	40.0	245	7.1	754	23.0	0.3	4
07...	0710	80513	81213	32.0	40.0	245	7.1	754	22.5	0.3	4
07...	0711	80513	80513	33.0	40.0	238	7.1	754	20.5	0.4	4
07...	0712	80513	80513	34.0	40.0	235	7.1	754	19.5	0.3	4
07...	0713	80513	80513	36.0	40.0	234	7.2	754	18.5	0.4	4
07...	0714	80513	80513	38.0	40.0	230	7.2	754	18.0	0.4	4
07...	0715	80513	80513	40.0	40.0	235	7.2	754	17.5	0.4	4

07062010 BLACK RIVER AT CLEARWATER DAM, MISSOURI
(LAT 37°07'55" LONG 090°46'05")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN									
18...	0900	80513	81213	208	6.6	752	24.0	7.8	94
AUG									
07...	0630	80513	81213	231	7.4	755	26.0	6.6	83

WHITE RIVER BASIN--CONTINUED

07062010 BLACK RIVER AT CLEARWATER DAM, MISSOURI--CONTINUED
(LAT 37°07'55" LONG 090°46'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN								
18...	0900	11	5	6.8	1.2	100	22	12
AUG								
07...	0630	52	10	11	0.9	120	26	14

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
JUN							
18...	0900	100	0.010	0.070	0.040	0.060	0.020
AUG							
07...	0630	120	0.010	0.030	0.070	0.020	0.010

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARKANSAS
(LAT 35°37'15" LONG 092°11'16")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN											
19...	1215	80513	80513	0.0	45.0	52	6.9	753	28.5	8.2	108
19...	1216	80513	80020	3.00	45.0	51	7.1	753	28.5	8.0	105
19...	1217	80513	81213	9.00	45.0	51	7.0	753	28.0	7.6	98
19...	1218	80513	80513	10.0	45.0	51	7.0	753	28.0	7.5	98
19...	1219	80513	80513	15.0	45.0	70	6.5	753	27.0	1.4	18
19...	1220	80513	80513	17.0	45.0	72	6.3	753	26.0	0.8	10
19...	1221	80513	80513	20.0	45.0	75	6.2	753	25.0	0.1	2
19...	1222	80513	80513	21.0	45.0	69	6.2	753	24.0	0.1	1
19...	1223	80513	80513	22.0	45.0	63	6.2	753	23.5	0.3	3
19...	1224	80513	80513	23.0	45.0	60	6.2	753	22.5	0.3	4
19...	1225	80513	80513	25.0	45.0	56	6.1	753	21.5	0.9	10
19...	1226	80513	80513	27.0	45.0	56	6.1	753	20.5	0.5	6
19...	1227	80513	80513	30.0	45.0	60	6.2	753	19.5	0.4	5
19...	1228	80513	80513	33.0	45.0	64	6.2	753	18.5	1.0	11
19...	1229	80513	81213	36.0	45.0	65	6.2	753	18.0	0.6	6
19...	1230	80513	80513	40.0	45.0	62	6.3	753	17.0	1.2	13
19...	1231	80513	80513	45.0	45.0	63	6.2	753	17.0	1.6	17

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN									
19...	1215	2.20	1	--	--	--	--	--	--
19...	1217	--	--	5	1.4	18	21	6.6	1.1
19...	1229	--	--	5	7.3	1.7	28	9.4	1.2

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARKANSAS--CONTINUED
(LAT 35°37'15" LONG 092°11'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1216	--	--	--	--	--	--	1.30	0.100
19...	1217	2	<0.010	<0.020	<0.010	0.070	0.020	--	--
19...	1229	26	<0.010	0.110	0.010	0.060	0.020	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
08...	1045	80513	80513	0.0	40.0	62	8.0	754	30.0	8.4	112
08...	1046	80513	80020	3.00	40.0	62	8.1	754	30.0	8.3	111
08...	1047	80513	81213	8.00	40.0	61	8.0	754	29.5	8.5	114
08...	1048	80513	80513	10.0	40.0	61	8.0	754	29.5	8.0	107
08...	1049	80513	80513	20.0	40.0	65	6.9	754	28.5	3.2	42
08...	1050	80513	80513	26.0	40.0	77	6.3	754	27.5	0.7	9
08...	1051	80513	80513	28.0	40.0	92	6.3	754	26.5	0.7	9
08...	1052	80513	80513	29.0	40.0	97	6.3	754	25.5	0.8	9
08...	1053	80513	80513	30.0	40.0	98	6.4	754	25.0	0.8	9
08...	1054	80513	80513	31.0	40.0	90	6.4	754	23.5	0.8	9
08...	1055	80513	81213	32.0	40.0	88	6.4	754	23.0	0.8	9
08...	1056	80513	80513	34.0	40.0	88	6.4	754	22.0	0.8	9
08...	1057	80513	80513	36.0	40.0	87	6.4	754	21.0	0.8	9
08...	1058	80513	80513	38.0	40.0	96	6.5	754	20.0	0.9	10
08...	1059	80513	80513	40.0	40.0	98	6.5	754	19.5	0.9	10

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG									
08...	1045	2.90	0	--	--	--	--	--	--
08...	1047	--	--	5	0.84	0.8	22	6.9	1.1
08...	1055	--	--	20	6.4	1.2	30	9.9	1.3

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	1046	--	--	--	--	--	--	2.90	<0.100
08...	1047	19	<0.010	<0.020	<0.010	0.050	<0.010	--	--
08...	1055	28	<0.010	<0.020	0.030	0.040	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARKANSAS
(LAT 35°36'24" LONG 092°30'14")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1145	80513	80513	0.0	45.0	46	7.7	753	29.0	8.4	110
19...	1146	80513	80020	3.00	45.0	46	7.6	753	29.0	8.3	109
19...	1147	80513	81213	9.00	45.0	44	7.4	753	28.0	8.0	104
19...	1148	80513	80513	10.0	45.0	43	7.3	753	28.0	7.8	101
19...	1149	80513	80513	16.0	45.0	49	6.6	753	27.0	4.5	57
19...	1150	80513	80513	18.0	45.0	59	6.4	753	26.0	1.4	17
19...	1151	80513	80513	19.0	45.0	60	6.3	753	25.0	0.7	9
19...	1152	80513	80513	20.0	45.0	62	6.2	753	25.0	0.7	8
19...	1153	80513	80513	21.0	45.0	63	6.2	753	24.5	0.8	9
19...	1154	80513	80513	23.0	45.0	60	6.2	753	23.5	0.2	3
19...	1155	80513	80513	24.0	45.0	53	6.2	753	22.0	0.4	4
19...	1156	80513	80513	25.0	45.0	51	6.2	753	21.5	1.1	12
19...	1157	80513	80513	26.0	45.0	49	6.2	753	20.5	1.5	17
19...	1158	80513	80513	28.0	45.0	48	6.1	753	20.0	1.9	21
19...	1159	80513	80513	30.0	45.0	47	6.1	753	19.5	2.2	25
19...	1200	80513	80513	33.0	45.0	46	6.2	753	18.5	2.7	29
19...	1201	80513	81213	36.0	45.0	45	6.1	753	18.5	2.6	28
19...	1202	80513	80513	38.0	45.0	45	6.2	753	17.5	2.8	29
19...	1203	80513	80513	40.0	45.0	45	6.2	753	17.0	6.8	71
19...	1204	80513	80513	45.0	45.0	45	6.2	753	16.5	2.4	25

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1145	2.30	2	--	--	--	--	--	--
19...	1147	--	--	5	1.0	1.6	17	5.2	1.0
19...	1201	--	--	5	5.1	0.9	19	6.1	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1146	--	--	--	--	--	--	1.00	0.100
19...	1147	15	<0.010	<0.020	<0.010	0.050	0.020	--	--
19...	1201	17	<0.010	0.130	0.010	0.060	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARKANSAS--CONTINUED
(LAT 35°36'24" LONG 092°30'14")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
08...	1000	80513	80513	0.0	75.0	50	7.3	753	30.0	8.6	115
08...	1001	80513	80020	3.00	75.0	50	7.4	753	30.0	8.3	111
08...	1002	80513	80513	10.0	75.0	49	7.3	753	29.5	7.8	104
08...	1003	80513	81213	15.0	75.0	47	7.2	753	29.0	7.5	99
08...	1004	80513	80513	20.0	75.0	48	7.0	753	28.5	6.9	90
08...	1005	80513	80513	25.0	75.0	48	6.3	753	27.5	2.5	33
08...	1006	80513	80513	27.0	75.0	53	6.1	753	26.5	0.7	9
08...	1007	80513	80513	29.0	75.0	57	6.1	753	25.5	0.7	9
08...	1008	80513	80513	30.0	75.0	61	6.1	753	24.5	0.7	9
08...	1009	80513	80513	31.0	75.0	62	6.1	753	23.5	0.8	9
08...	1010	80513	80513	32.0	75.0	63	6.2	753	22.0	0.8	9
08...	1011	80513	80513	34.0	75.0	66	6.2	753	21.0	0.8	9
08...	1012	80513	80513	36.0	75.0	67	6.2	753	20.0	0.9	10
08...	1013	80513	80513	40.0	75.0	66	6.3	753	19.0	0.9	10
08...	1014	80513	80513	45.0	75.0	68	6.3	753	18.0	1	10
08...	1015	80513	80513	50.0	75.0	69	6.3	753	17.0	1	10
08...	1016	80513	80513	55.0	75.0	74	6.5	753	16.0	1.0	10
08...	1017	80513	81213	60.0	75.0	76	6.5	753	15.0	1.0	11
08...	1018	80513	80513	70.0	75.0	83	6.6	753	14.0	1.1	11
08...	1019	80513	80513	75.0	75.0	86	6.6	753	13.5	1.1	10

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
08...	1000	2.70	6	--	--	--	--	--	--
08...	1003	--	--	5	0.90	0.8	16	4.8	1.0
08...	1017	--	--	60	14	0.9	23	7.3	1.2

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	1001	--	--	--	--	--	--	1.90	<0.100
08...	1003	14	<0.010	<0.020	<0.010	0.010	0.010	--	--
08...	1017	25	<0.010	<0.020	0.280	0.070	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, ARKANSAS
(LAT 35°35'06" LONG 092°25'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1345	80513	80513	0.0	24.0	35	6.9	753	30.0	8.1	109
19...	1346	80513	80020	3.00	24.0	34	6.8	753	30.0	8.1	109
19...	1347	80513	80513	5.00	24.0	34	6.5	753	29.0	7.5	99
19...	1348	80513	80513	8.00	24.0	33	6.4	753	28.0	7.3	94
19...	1349	80513	80513	10.0	24.0	34	6.3	753	28.0	7.0	90
19...	1350	80513	81213	12.0	24.0	33	6.2	753	27.0	6.2	79
19...	1351	80513	80513	15.0	24.0	33	6.2	753	26.0	6.6	82
19...	1352	80513	80513	20.0	24.0	32	6.1	753	25.0	6.3	78
19...	1353	80513	80513	24.0	24.0	34	6.1	753	25.0	5.8	71

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1345	1.80	3	--	--	--	--	--	--
19...	1350	--	--	5	5.2	1.8	23	5.6	2.3

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1346	--	--	--	--	--	--	2.40	0.300
19...	1350	11	<0.010	<0.020	<0.010	0.070	0.020	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
08...	1230	80513	80513	0.0	20.0	48	6.6	753	32.0	8.3	115
08...	1231	80513	80513	2.00	20.0	48	6.6	753	31.0	8.0	110
08...	1232	80513	80020	3.00	20.0	48	6.5	753	30.5	7.5	102
08...	1233	80513	80513	8.00	20.0	45	6.2	753	30.0	5.1	69
08...	1234	80513	81213	10.0	20.0	49	6.0	753	29.5	3.4	45
08...	1235	80513	80513	12.0	20.0	60	5.9	753	29.0	0.7	9
08...	1236	80513	80513	15.0	20.0	76	6.0	753	28.0	0.7	9
08...	1237	80513	80513	17.0	20.0	105	6.3	753	27.5	0.7	9
08...	1238	80513	80513	19.0	20.0	123	6.3	753	26.5	0.7	9
08...	1239	80513	80513	20.0	20.0	128	6.4	753	26.0	0.7	9

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, ARKANSAS--CONTINUED
(LAT 35°35'06" LONG 092°25'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
08...	1230	2.00	3	--	--	--	--	--	--
08...	1234	--	--	10	6.1	1.5	14	3.8	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	1232	--	--	--	--	--	--	18.0	1.00
08...	1234	12	<0.010	<0.020	0.040	0.030	0.020	--	--

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARKANSAS
(LAT 35°31'27" LONG 092°25'04")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1415	80513	80513	0.0	14.0	33	6.7	753	30.0	8.2	110
19...	1416	80513	80020	3.00	14.0	33	6.7	753	30.0	8.1	109
19...	1417	80513	81213	7.00	14.0	33	6.5	753	29.5	7.6	101
19...	1418	80513	80513	10.0	14.0	33	6.1	753	28.5	5.6	73
19...	1419	80513	80513	12.0	14.0	33	5.9	753	28.5	5.0	66
19...	1420	80513	80513	14.0	14.0	34	5.8	753	28.0	3.6	46

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1415	2.00	0	--	--	--	--	--	--
19...	1417	--	--	5	2.1	2.1	12	3.2	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1416	--	--	--	--	--	--	0.900	0.100
19...	1417	11	<0.010	<0.020	0.020	0.060	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARKANSAS--CONTINUED
(LAT 35°31'27" LONG 092°25'04")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
08...	1315	80513	80513	0.0	8.0	43	6.2	753	31.0	7.8	106
08...	1316	80513	80020	3.00	8.0	42	6.3	753	30.5	7.6	103
08...	1317	80513	81213	4.00	8.0	42	6.3	753	30.5	7.5	101
08...	1318	80513	80513	6.00	8.0	42	6.3	753	30.0	6.0	81
08...	1319	80513	80513	8.00	8.0	45	6.1	753	29.5	3.5	46

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
08...	1315	1.20	3	--	--	--	--	--	--
08...	1317	--	--	5	6.2	1.7	14	3.6	1.1

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	1316	--	--	--	--	--	--	7.60	0.600
08...	1317	10	<0.010	<0.020	0.010	0.060	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, ARKANSAS
(LAT 35°33'48" LONG 092°11'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	1035	80513	80513	0.0	140	40	7.2	753	28.5	8.0	105
19...	1037	80513	80020	3.00	140	40	7.2	753	28.5	7.9	104
19...	1039	80513	80513	10.0	140	39	7.2	753	28.0	7.9	102
19...	1041	80513	80513	17.0	140	38	7.1	753	27.0	7.8	99
19...	1043	80513	80513	19.0	140	39	6.9	753	26.0	7.5	93
19...	1045	80513	80513	20.0	140	39	6.8	753	25.5	7.1	88
19...	1047	80513	80513	21.0	140	40	6.6	753	24.5	5.9	72
19...	1049	80513	80513	22.0	140	42	6.5	753	23.0	4.9	58
19...	1051	80513	80513	23.0	140	42	6.4	753	22.5	4.5	52
19...	1053	80513	80513	24.0	140	40	6.4	753	21.5	4.3	49
19...	1055	80513	80513	26.0	140	38	6.3	753	20.5	3.6	40
19...	1057	80513	81213	28.0	140	38	6.2	753	19.5	3.5	38
19...	1059	80513	80513	30.0	140	38	6.2	753	19.0	3.5	39
19...	1101	80513	80513	35.0	140	39	6.2	753	18.0	3.6	38
19...	1103	80513	80513	40.0	140	39	6.2	753	17.0	4.1	43
19...	1105	80513	80513	45.0	140	38	6.2	753	16.0	4.8	49
19...	1107	80513	80513	50.0	140	38	6.2	753	15.0	5.4	54
19...	1109	80513	80513	55.0	140	37	6.3	753	14.0	5.9	58
19...	1111	80513	80513	60.0	140	37	6.3	753	13.5	6.3	62
19...	1113	80513	80513	67.0	140	36	6.4	753	12.5	7.0	67
19...	1115	80513	80513	70.0	140	37	6.4	753	12.0	7.2	68
19...	1117	80513	80513	80.0	140	36	6.5	753	11.0	6.9	64
19...	1119	80513	80513	90.0	140	37	6.4	753	10.5	5.6	51
19...	1121	80513	80513	100	140	40	6.4	753	10.0	4.7	42
19...	1123	80513	80513	110	140	44	6.4	753	10.0	3.9	34
19...	1125	80513	81213	112	140	45	6.4	753	10.0	3.6	32
19...	1127	80513	80513	120	140	44	6.4	753	10.0	3.6	32
19...	1129	80513	80513	130	140	44	6.4	753	10.0	3.6	32
19...	1131	80513	80513	140	140	45	6.4	753	9.5	3.5	31

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	1035	2.40	0	--	--	--	--	--	--
19...	1057	--	--	5	2.4	1.8	17	5.4	0.90
19...	1125	--	--	5	8.2	0.8	15	4.5	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	1037	--	--	--	--	--	--	0.600	<0.100
19...	1057	14	<0.010	0.040	0.010	0.050	0.020	--	--
19...	1125	13	<0.010	0.260	0.010	0.050	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, ARKANSAS--CONTINUED
(LAT 35°33'48" LONG 092°11'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
08...	0915	80513	80513	0.0	130	45	7.1	753	30.0	8.0	108
08...	0916	80513	80020	3.00	130	45	7.1	753	30.0	7.7	104
08...	0917	80513	80513	10.0	130	45	7.1	753	30.0	7.6	102
08...	0918	80513	80513	20.0	130	45	7.1	753	29.5	7.4	99
08...	0919	80513	80513	23.0	130	45	6.8	753	28.5	6.1	80
08...	0920	80513	80513	25.0	130	45	6.2	753	27.5	4.4	56
08...	0921	80513	81213	26.0	130	46	6.1	753	25.5	2.4	30
08...	0922	80513	80513	27.0	130	47	6.1	753	24.0	1.2	14
08...	0923	80513	80513	29.0	130	46	6.0	753	23.0	0.8	9
08...	0924	80513	80513	30.0	130	46	6.0	753	22.0	0.7	9
08...	0925	80513	80513	32.0	130	46	6.0	753	21.0	0.8	9
08...	0926	80513	80513	34.0	130	45	6.0	753	20.0	0.9	10
08...	0927	80513	80513	37.0	130	44	5.9	753	19.0	1.4	15
08...	0928	80513	80513	40.0	130	44	6.0	753	18.5	1.5	17
08...	0929	80513	80513	46.0	130	43	6.0	753	17.5	2.2	24
08...	0930	80513	80513	50.0	130	41	6.0	753	16.5	3.2	33
08...	0931	80513	80513	55.0	130	40	6.1	753	15.5	3.8	39
08...	0932	80513	80513	60.0	130	39	6.1	753	15.0	4.3	43
08...	0933	80513	80513	65.0	130	37	6.2	753	14.0	4.9	48
08...	0934	80513	80513	70.0	130	38	6.2	753	13.5	5.0	49
08...	0935	80513	80513	80.0	130	40	6.2	753	12.5	3.5	33
08...	0936	80513	80513	90.0	130	47	6.2	753	11.5	1.7	16
08...	0937	80513	80513	100	130	54	6.3	753	11.0	1.3	12
08...	0938	80513	81213	104	130	55	6.4	753	11.0	1.1	10
08...	0939	80513	80513	110	130	54	6.4	753	10.5	1.1	10
08...	0940	80513	80513	120	130	54	6.4	753	10.5	0.8	7
08...	0941	80513	80513	130	130	56	6.4	753	10.0	0.8	7

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
08...	0915	4.90	0	--	--	--	--	--	--
08...	0921	--	--	5	0.88	0.5	15	4.7	0.90
08...	0938	--	--	30	14	0.7	18	5.3	1.1

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
08...	0916	--	--	--	--	--	--	0.500	<0.100
08...	0921	12	<0.010	<0.020	<0.010	0.010	<0.010	--	--
08...	0938	18	0.010	0.170	0.080	0.020	0.010	--	--

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARKANSAS
(LAT 35°30'12" LONG 092°05'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
JUN											
19...	0730	80513	80513	0.0	130	38	7.0	753	28.0	8.5	110
19...	0732	80513	80020	3.00	130	38	7.1	753	28.0	8.2	106
19...	0734	80513	80513	10.0	130	38	7.1	753	28.0	8.0	104
19...	0736	80513	80513	16.0	130	38	7.1	753	27.0	8.2	104
19...	0738	80513	80513	20.0	130	38	7.1	753	26.0	8.8	110
19...	0740	80513	80513	22.0	130	38	7.1	753	25.0	8.8	108
19...	0742	80513	80513	23.0	130	38	7.0	753	24.5	9.0	110
19...	0744	80513	80513	24.0	130	38	7.0	753	23.5	9.0	108
19...	0746	80513	80513	25.0	130	38	6.9	753	22.5	8.9	104
19...	0748	80513	81213	26.0	130	38	6.9	753	22.0	8.8	102
19...	0750	80513	80513	28.0	130	38	6.7	753	21.0	7.4	84
19...	0752	80513	80513	30.0	130	38	6.6	753	20.0	6.5	72
19...	0754	80513	80513	32.0	130	38	6.5	753	19.0	5.2	57
19...	0756	80513	80513	36.0	130	39	6.4	753	18.0	4.6	49
19...	0758	80513	80513	40.0	130	38	6.4	753	17.0	4.9	51
19...	0800	80513	80513	45.0	130	38	6.4	753	16.0	5.5	56
19...	0802	80513	80513	50.0	130	38	6.5	753	15.0	6.3	63
19...	0804	80513	80513	60.0	130	38	6.6	753	14.0	6.9	68
19...	0806	80513	80513	65.0	130	38	6.6	753	13.0	7.3	70
19...	0808	80513	80513	70.0	130	39	7.6	753	12.5	7.6	72
19...	0810	80513	80513	80.0	130	38	6.7	753	11.5	7.9	73
19...	0812	80513	80513	90.0	130	39	6.7	753	11.0	7.9	72
19...	0814	80513	80513	100	130	39	6.7	753	10.0	6.9	62
19...	0816	80513	81213	104	130	40	6.7	753	10.0	6.4	58
19...	0818	80513	80513	110	130	41	6.7	753	10.0	5.7	51
19...	0820	80513	80513	120	130	43	6.6	753	9.5	4.6	41
19...	0822	80513	80513	130	130	43	6.6	753	9.5	4.3	38

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN									
19...	0730	3.00	1	--	--	--	--	--	--
19...	0748	--	--	5	0.45	1.2	16	4.9	1.0
19...	0816	--	--	5	6.9	0.5	17	5.0	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	0732	--	--	--	--	--	--	0.300	<0.100
19...	0748	13	<0.010	<0.020	0.010	0.050	0.020	--	--
19...	0816	13	<0.010	0.180	<0.010	0.050	0.020	--	--

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARKANSAS--CONTINUED
(LAT 35°30'12" LONG 092°05'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG											
07...	1715	80513	80513	0.0	155	38	7.1	755	31.5	7.7	106
07...	1716	80513	80020	3.00	155	38	7.1	755	31.5	7.6	104
07...	1717	80513	80513	10.0	155	38	7.3	755	28.0	7.7	99
07...	1718	80513	80513	20.0	155	38	7.2	755	29.0	7.5	99
07...	1719	80513	80513	22.0	155	38	7.1	755	28.0	7.4	96
07...	1720	80513	80513	25.0	155	38	6.9	755	27.0	7.1	90
07...	1721	80513	80513	27.0	155	38	6.8	755	26.0	7.0	87
07...	1722	80513	80513	28.0	155	38	6.7	755	25.0	7.1	87
07...	1723	80513	80513	30.0	155	37	6.6	755	24.0	6.3	75
07...	1724	80513	81213	31.0	155	37	6.6	755	23.0	6.0	70
07...	1725	80513	80513	32.0	155	37	6.5	755	22.5	5.3	62
07...	1726	80513	80513	33.0	155	36	6.4	755	21.5	4.1	47
07...	1727	80513	80513	35.0	155	36	6.3	755	20.5	3.3	37
07...	1728	80513	80513	38.0	155	36	6.3	755	19.5	2.6	28
07...	1729	80513	80513	40.0	155	36	6.2	755	19.0	2.2	24
07...	1730	80513	80513	45.0	155	36	6.2	755	17.5	2.6	28
07...	1731	80513	80513	50.0	155	35	6.3	755	16.5	3.4	35
07...	1732	80513	80513	60.0	155	36	6.3	755	15.5	4.8	49
07...	1733	80513	80513	70.0	155	35	6.4	755	14.5	5.4	53
07...	1734	80513	80513	80.0	155	35	6.4	755	13.5	6.1	59
07...	1735	80513	80513	90.0	155	35	6.5	755	12.5	6.7	63
07...	1736	80513	80513	100	155	34	6.5	755	11.5	6.6	61
07...	1737	80513	80513	110	155	35	6.5	755	10.5	5.9	54
07...	1738	80513	80513	120	155	36	6.5	755	10.5	5.0	45
07...	1739	80513	81213	124	155	35	6.6	755	10.5	5.0	45
07...	1740	80513	80513	130	155	38	6.6	755	10.0	4.7	42
07...	1741	80513	80513	140	155	39	6.4	755	10.0	4.4	39
07...	1742	80513	80513	150	155	41	6.5	755	9.5	3.5	31
07...	1743	80513	80513	155	155	42	6.5	755	9.5	3.2	28

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG									
07...	1715	4.70	1	--	--	--	--	--	--
07...	1724	--	--	5	0.68	0.7	15	4.6	0.90
07...	1739	--	--	10	3.8	0.3	16	4.6	1.0

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
07...	1716	--	--	--	--	--	--	0.300	<0.100
07...	1724	11	0.010	0.230	0.010	0.010	<0.010	--	--
07...	1739	12	<0.010	0.230	0.010	0.010	0.010	--	--

ARKANSAS RIVER BASIN

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARKANSAS
(LAT 35°05'37" LONG 093°48'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
23...	1300	80513	80513	0.0	4.0	65	6.5	753	24.0	7.1	86
23...	1301	80513	80513	1.00	4.0	66	6.6	753	24.0	7.0	84
23...	1302	80513	81213	2.00	4.0	66	6.5	753	23.5	7.0	83
23...	1303	80513	80020	3.00	4.0	66	6.5	753	23.5	7.0	83
23...	1304	80513	80513	4.00	4.0	66	6.5	753	23.5	7.0	83
AUG											
12...	1600	80513	80513	0.0	4.0	129	6.8	757	29.5	6.4	85
12...	1601	80513	80513	1.00	4.0	129	6.9	757	29.0	6.8	88
12...	1602	80513	81213	2.00	4.0	130	6.8	757	28.0	6.0	77
12...	1603	80513	80020	3.00	4.0	130	6.8	757	28.0	6.0	77
12...	1604	80513	80513	4.00	4.0	130	6.7	757	27.5	3.8	48

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
23...	1300	0.30	K290	--	--	--	--	--	--
23...	1302	--	--	20	20	0.9	20	3.7	2.6
AUG									
12...	1600	0.91	4	--	--	--	--	--	--
12...	1602	--	--	20	19	4.5	39	7.5	4.9

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	1302	21	0.010	0.170	0.060	0.050	0.040	--	--
23...	1303	--	--	--	--	--	--	1.00	0.100
AUG									
12...	1602	49	<0.010	<0.020	0.010	0.080	0.020	--	--
12...	1603	--	--	--	--	--	--	17.0	1.10

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARKANSAS
(LAT 35°04'41" LONG 093°49'05")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
23...	1415	80513	80513	0.0	6.0	41	6.3	753	25.5	7.3	90
23...	1416	80513	80513	1.00	6.0	41	6.2	753	25.5	7.1	88
23...	1417	80513	80513	2.00	6.0	41	6.2	753	25.5	6.9	86
23...	1418	80513	81213	3.00	6.0	41	6.2	753	25.5	6.9	85
23...	1419	80513	80513	4.00	6.0	40	6.2	753	25.5	6.9	85
23...	1420	80513	80513	5.00	6.0	39	6.1	753	25.0	6.8	83
23...	1421	80513	80513	6.00	6.0	40	6.1	753	24.0	6.1	73

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARKANSAS--CONTINUED
(LAT 35°04'41" LONG 093°49'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
23...	1415	0.61	37	--	--	--	--	--	--
23...	1418	--	--	10	4.4	1.2	12	2.1	1.6

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	1418	13	<0.010	<0.020	0.020	<0.010	0.010	2.30	0.300

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARKANSAS
(LAT 35°05'50" LONG 093°48'08")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
23...	1330	80513	80513	0.0	20.0	56	6.0	753	26.0	4.9	61
23...	1331	80513	80020	3.00	20.0	56	5.9	753	25.0	2.9	36
23...	1332	80513	81213	4.00	20.0	58	5.9	753	24.5	3.4	41
23...	1333	80513	80513	10.0	20.0	71	6.1	753	23.5	4.5	54
23...	1334	80513	80513	15.0	20.0	54	5.9	753	23.5	2.4	29
23...	1335	80513	81213	16.0	20.0	47	5.7	753	23.0	2.2	26
23...	1336	80513	80513	20.0	20.0	50	5.7	753	22.5	1.6	19
AUG											
12...	1625	80513	80513	0.0	10.0	89	6.7	755	31.0	6.6	90
12...	1626	80513	80513	1.00	10.0	90	6.7	755	30.0	5.8	78
12...	1627	80513	81213	2.00	10.0	92	6.6	755	29.5	5.0	66
12...	1628	80513	80513	3.00	10.0	92	6.6	755	29.0	3.9	51
12...	1629	80513	80513	5.00	10.0	91	6.5	755	28.5	4.4	58
12...	1630	80513	80513	7.00	10.0	89	6.4	755	28.5	3.8	49
12...	1631	80513	81213	8.00	10.0	91	6.4	755	28.5	2.8	37
12...	1632	80513	80513	10.0	10.0	101	6.3	755	28.0	0.4	5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
23...	1330	0.30	18	--	--	--	--	--	--
23...	1332	--	--	60	8.0	2.6	18	3.7	2.2
23...	1335	--	--	50	21	1.2	19	3.9	2.2
AUG									
12...	1625	0.91	3	--	--	--	--	--	--
12...	1627	--	--	20	7.3	3.6	27	5.4	3.3
12...	1631	--	--	10	13	3.0	30	6.1	3.7

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARKANSAS--CONTINUED
(LAT 35°05'50" LONG 093°48'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	1331	--	--	--	--	--	--	4.60	1.00
23...	1332	20	<0.010	0.060	0.150	0.080	0.040	--	--
23...	1335	20	<0.010	0.090	0.140	0.070	0.040	--	--
AUG									
12...	1627	35	<0.010	<0.020	0.010	0.050	0.020	--	--
12...	1631	34	<0.010	<0.020	0.010	0.050	0.020	--	--

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARKANSAS
(LAT 35°06'14" LONG 093°42'26")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
23...	1205	80513	80513	0.0	6.0	45	6.5	753	27.5	7.9	101
23...	1206	80513	80513	1.00	6.0	45	6.5	753	26.0	7.8	97
23...	1207	80513	80513	2.00	6.0	44	6.4	753	25.5	7.6	95
23...	1208	80513	81213	3.00	6.0	44	6.4	753	25.0	7.2	88
23...	1209	80513	80513	4.00	6.0	45	6.3	753	25.0	6.7	82
23...	1210	80513	80513	5.00	6.0	46	6.2	753	24.5	6.1	75
23...	1211	80513	80513	6.00	6.0	47	6.1	753	24.5	4.8	58
AUG											
12...	1445	80513	80513	0.0	4.0	63	7.8	757	31.0	8.7	119
12...	1446	80513	81213	2.00	4.0	63	7.5	757	30.0	8.3	111
12...	1447	80513	80020	3.00	4.0	63	7.2	757	29.5	37.6	497
12...	1448	80513	80513	4.00	4.0	64	7.0	757	29.0	6.3	82

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
23...	1205	0.58	32	--	--	--	--	--	--
23...	1208	--	--	55	15	0.9	15	3.0	1.8
AUG									
12...	1445	0.36	16	--	--	--	--	--	--
12...	1446	--	--	20	22	3.4	20	3.9	2.5

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	1208	14	0.010	0.030	0.030	0.040	0.030	2.60	0.400
AUG									
12...	1446	20	0.010	<0.020	0.010	0.060	0.030	--	--
12...	1447	--	--	--	--	--	--	8.80	0.600

ARKANSAS RIVER BASIN--CONTINUED

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARKANSAS
(LAT 35°06'06" LONG 093°39'02")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
23...	1100	80513	80513	0.0	40.0	46	6.3	753	23.5	6.4	76
23...	1101	80513	80020	3.00	40.0	46	6.2	753	23.5	6.0	72
23...	1102	80513	81213	8.00	40.0	46	6.1	753	23.0	5.1	60
23...	1103	80513	80513	10.0	40.0	48	6.0	753	22.5	4.0	47
23...	1104	80513	80513	15.0	40.0	49	6.0	753	21.5	2.8	32
23...	1105	80513	80513	18.0	40.0	49	5.9	753	20.5	1.4	16
23...	1106	80513	80513	20.0	40.0	51	5.9	753	20.0	1.3	14
23...	1107	80513	80513	25.0	40.0	51	5.9	753	20.0	1.2	13
23...	1108	80513	80513	30.0	40.0	51	5.9	753	19.5	1.2	13
23...	1109	80513	81213	32.0	40.0	51	5.9	753	19.5	1.1	12
23...	1110	80513	80513	40.0	40.0	51	5.9	753	19.5	1.1	12
AUG											
12...	1500	80513	80513	0.0	30.0	66	6.5	757	30.0	4.7	62
12...	1501	80513	80020	3.00	30.0	64	6.5	757	28.5	4.5	58
12...	1502	80513	81213	6.00	30.0	64	6.4	757	27.5	3.8	48
12...	1503	80513	80513	10.0	30.0	65	6.4	757	27.5	3.5	45
12...	1504	80513	80513	20.0	30.0	71	6.2	757	27.5	0.8	11
12...	1505	80513	81213	24.0	30.0	71	6.2	757	27.5	0.6	8
12...	1506	80513	80513	27.0	30.0	71	6.2	757	27.0	0.2	3
12...	1507	80513	80513	30.0	30.0	71	6.2	757	27.0	0.2	3

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
23...	1100	0.67	2	--	--	--	--	--	--
23...	1102	--	--	50	14	1.3	15	2.9	1.8
23...	1106	--	--	--	--	49	--	--	--
23...	1109	--	--	60	19	1.6	16	3.3	2.0
AUG									
12...	1500	0.61	2	--	--	--	--	--	--
12...	1502	--	--	30	18	1.2	20	4.0	2.5
12...	1505	--	--	30	18	2.5	21	4.3	2.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	1101	--	--	--	--	--	--	0.900	0.300
23...	1102	16	0.010	0.040	0.100	0.030	0.020	--	--
23...	1106	49	--	--	--	--	--	--	--
23...	1109	17	0.020	0.090	0.180	0.040	0.030	--	--
AUG									
12...	1501	--	--	--	--	--	--	1.30	<0.100
12...	1502	21	0.010	0.060	0.090	0.100	0.030	--	--
12...	1505	23	0.010	0.060	0.160	0.050	0.030	--	--

ARKANSAS RIVER BASIN--CONTINUED

07259500 PETIT JEAN RIVER NEAR WAVELAND, ARKANSAS
(LAT 35°06'17" LONG 093°37'53")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY										
23...	1020	80513	81213	13.0	48	5.9	753	22.0	7.7	89
AUG										
12...	1400	80513	81213	--	70	6.5	758	28.0	4.5	58

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY								
23...	1020	7	60	20	1.5	16	3.0	2.0
AUG								
12...	1400	43	40	16	4.1	20	4.0	2.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
MAY							
23...	1020	13	0.010	0.070	0.120	0.030	0.030
AUG							
12...	1400	22	0.010	0.080	0.180	0.110	0.030

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, ARKANSAS
(LAT 34°55'36" LONG 093°24'36")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
24...	0810	80513	80020	0.0	6.0	33	5.9	753	24.5	7.7	93
24...	0811	80513	80020	1.00	6.0	33	6.0	753	24.5	7.6	92
24...	0812	80513	80020	2.00	6.0	33	6.0	753	24.5	7.6	92
24...	0813	80513	80020	3.00	6.0	33	6.1	753	24.5	7.5	91
24...	0814	80513	80020	4.00	6.0	33	6.1	753	24.5	7.5	91
24...	0815	80513	80020	5.00	6.0	33	6.1	753	24.5	7.5	91
24...	0816	80513	80020	6.00	6.0	32	6.1	753	24.5	7.5	91
AUG											
13...	0910	80513	80513	0.0	4.0	47	6.2	755	27.5	5.9	75
13...	0911	80513	80513	1.00	4.0	47	6.2	755	28.0	5.8	75
13...	0912	80513	81213	2.00	4.0	48	6.3	755	28.0	5.8	74
13...	0913	80513	80020	3.00	4.0	48	6.3	755	28.0	5.8	74
13...	0914	80513	80513	4.00	4.0	48	6.3	755	28.0	5.7	74

ARKANSAS RIVER BASIN--CONTINUED

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, ARKANSAS--CONTINUED
(LAT 34°55'36" LONG 093°24'36")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
24...	0810	0.30	42	--	--	--	--	--	--
24...	0813	--	--	40	10	1.1	10	1.8	1.4
AUG									
13...	0910	0.61	120	--	--	--	--	--	--
13...	0912	--	--	10	7.4	2.2	16	2.5	2.3

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	0813	11	<0.010	0.070	0.030	0.020	0.020	0.600	<0.100
AUG									
13...	0912	19	<0.010	<0.020	0.010	0.040	0.010	--	--
13...	0913	--	--	--	--	--	--	3.90	0.300

07261880 NIMROD LAKE AT PLAINVIEW, ARKANSAS
(LAT 34°59'03" LONG 093°18'36")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
24...	0844	80513	80513	0.0	2.0	63	6.4	753	22.5	8.6	101
24...	0845	80513	80020	1.00	2.0	63	6.4	753	22.5	8.5	100
24...	0846	80513	80513	2.00	2.0	63	6.4	753	22.5	8.5	100

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
24...	0844	>0.61	230	--	--	--	--	--	--
24...	0845	--	--	20	8.0	1.4	19	3.3	2.6

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	0845	20	<0.010	0.180	0.040	0.030	0.030	0.400	<0.100

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARKANSAS
(LAT 34°57'03" LONG 093°19'24")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
24...	0920	80513	80513	0.0	12.0	37	5.9	753	25.5	5.9	73
24...	0921	80513	80020	3.00	12.0	37	5.8	753	25.0	5.2	64
24...	0922	80513	81213	6.00	12.0	39	5.7	753	24.0	2.6	31
24...	0923	80513	80513	8.00	12.0	39	5.7	753	24.0	2.6	31
24...	0924	80513	80513	10.0	12.0	40	5.7	753	24.0	2.2	27
24...	0925	80513	80513	12.0	12.0	41	5.6	753	23.5	1.2	14
AUG											
13...	1000	80513	80513	0.0	10.0	41	6.2	756	28.5	5.4	70
13...	1001	80513	80020	3.00	10.0	41	6.2	756	28.5	5.4	69
13...	1002	80513	81213	5.00	10.0	41	6.2	756	28.5	5.3	68
13...	1003	80513	80513	7.00	10.0	41	6.1	756	28.5	5.2	67
13...	1004	80513	80513	10.0	10.0	47	5.9	756	28.0	0.7	9

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY									
24...	0920	0.49	23	--	--	--	--	--	--
24...	0922	--	--	100	19	3.4	11	2.3	1.3
AUG									
13...	1000	0.30	0	--	--	--	--	--	--
13...	1002	--	--	20	19	3.6	11	2.0	1.4

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	0921	--	--	--	--	--	--	13.0	0.600
24...	0922	14	0.010	<0.020	0.060	0.150	0.100	--	--
AUG									
13...	1001	--	--	--	--	--	--	17.0	0.800
13...	1002	12	<0.010	<0.020	0.030	0.080	0.030	--	--

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE CREEK, ARKANSAS
(LAT 34°56'54" LONG 093°17'12")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
24...	0945	80513	80513	0.0	4.0	35	5.8	753	27.5	4.5	58
24...	0946	80513	80513	1.00	4.0	35	5.8	753	26.5	4.5	57
24...	0947	80513	81213	2.00	4.0	34	5.8	753	27.5	4.4	57
24...	0948	80513	80020	3.00	4.0	34	5.8	753	27.5	4.4	57
24...	0949	80513	80513	4.00	4.0	35	5.8	753	27.5	3.7	48
AUG											
13...	1040	80513	80513	0.0	4.0	38	6.0	757	28.5	6.0	78
13...	1041	80513	80513	1.00	4.0	38	6.0	757	28.5	6.0	77
13...	1042	80513	81213	2.00	4.0	38	6.1	757	28.5	5.9	77
13...	1043	80513	80020	3.00	4.0	38	6.1	757	28.5	5.9	76
13...	1044	80513	80513	4.00	4.0	38	6.1	757	28.5	5.7	74

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
24...	0945	0.43	5	--	--	--	--	--	--
24...	0947	--	--	60	23	5.4	10	2.0	1.3
AUG									
13...	1040	0.36	15	--	--	--	--	--	--
13...	1042	--	--	15	27	3.3	11	2.0	1.4

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	0947	13	<0.010	<0.020	0.080	0.090	0.040	--	--
24...	0948	--	--	--	--	--	--	9.90	1.30
AUG									
13...	1042	12	0.010	<0.020	0.010	0.100	0.030	--	--
13...	1043	--	--	--	--	--	--	3.90	<0.100

07261950 NIMROD LAKE NEAR CARTER COVE, ARKANSAS
(LAT 34°57'22" LONG 093°14'56")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
24...	1045	80513	80513	0.0	3.0	29	6.0	754	26.5	6.6	83
24...	1046	80513	80513	1.00	3.0	29	6.0	754	26.5	6.5	81
24...	1047	80513	80020	2.00	3.0	29	6.0	754	26.5	6.3	80
24...	1048	80513	80513	3.00	3.0	29	6.0	754	26.5	5.6	70
AUG											
13...	1145	80513	80513	0.0	2.0	38	5.9	757	26.0	5.8	72
13...	1146	80513	80020	1.00	2.0	38	5.9	757	26.0	5.6	70
13...	1147	80513	80513	2.00	2.0	38	6.0	757	26.0	5.6	69

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, ARKANSAS--CONTINUED
(LAT 34°57'22" LONG 093°14'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
24...	1045	0.30	5	--	--	--	--	--	--
24...	1047	--	--	40	30	2.2	10	2.0	1.2
AUG									
13...	1145	0.36	3	--	--	--	--	--	--
13...	1146	--	--	20	30	3.6	12	2.2	1.5

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	1047	11	<0.010	<0.020	0.020	0.050	0.030	5.90	0.800
AUG									
13...	1146	12	0.010	<0.020	0.010	0.100	0.040	3.60	<0.100

07262000 NIMROD LAKE NEAR NIMROD, ARKANSAS
(LAT 34°57'07" LONG 093°09'38")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY											
24...	1120	80513	80513	0.0	40.0	30	6.0	754	25.0	5.9	72
24...	1121	80513	80020	3.00	40.0	31	5.9	754	25.0	5.6	69
24...	1122	80513	81213	8.00	40.0	32	5.9	754	25.0	5.1	62
24...	1123	80513	80513	10.0	40.0	32	5.9	754	24.5	4.6	56
24...	1124	80513	80513	17.0	40.0	35	5.8	754	24.0	2.5	29
24...	1125	80513	80513	20.0	40.0	36	5.8	754	24.0	2.1	25
24...	1126	80513	80513	25.0	40.0	39	5.7	754	23.0	0.8	9
24...	1127	80513	80513	30.0	40.0	45	5.8	754	22.5	0.4	4
24...	1128	80513	81213	32.0	40.0	51	5.9	754	22.0	0.4	4
24...	1129	80513	80513	40.0	40.0	56	6.1	754	21.0	0.4	4
AUG											
13...	1230	80513	80513	0.0	40.0	41	5.6	757	28.0	3.0	39
13...	1231	80513	80020	3.00	40.0	41	5.7	757	28.0	2.9	37
13...	1232	80513	81213	8.00	40.0	41	5.8	757	28.0	2.7	34
13...	1233	80513	80513	10.0	40.0	41	5.9	757	28.0	2.6	33
13...	1234	80513	80513	16.0	40.0	53	5.9	757	27.5	0.3	4
13...	1235	80513	80513	20.0	40.0	54	6.0	757	27.5	0.3	3
13...	1236	80513	80513	25.0	40.0	58	6.1	757	27.0	0.3	3
13...	1237	80513	80513	30.0	40.0	65	6.2	757	26.5	0.3	3
13...	1238	80513	81213	32.0	40.0	72	6.3	757	26.5	0.2	3
13...	1239	80513	80513	34.0	40.0	91	6.5	757	25.0	0.2	3
13...	1240	80513	80513	40.0	40.0	133	6.6	757	24.0	0.2	3

ARKANSAS RIVER BASIN--CONTINUED

07262000 NIMROD LAKE NEAR NIMROD, ARKANSAS--CONTINUED
(LAT 34°57'07" LONG 093°09'38")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY									
24...	1120	0.91	1	--	--	--	--	--	--
24...	1122	--	--	35	8.0	1.2	11	2.2	1.3
24...	1128	--	--	50	14	1.2	13	2.6	1.6
AUG									
13...	1230	0.79	K5	--	--	--	--	--	--
13...	1232	--	--	10	12	2.2	13	2.4	1.6
13...	1238	--	--	50	35	1.9	15	2.9	1.9

DATE	TIME	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	1121	--	--	--	--	--	--	2.30	0.200
24...	1122	12	<0.010	<0.020	0.040	0.020	0.010	--	--
24...	1128	15	0.010	0.020	0.130	0.040	0.030	--	--
AUG									
13...	1231	--	--	--	--	--	--	5.90	<0.100
13...	1232	14	<0.010	<0.020	0.160	0.040	0.020	--	--
13...	1238	23	0.010	<0.020	0.680	0.100	0.050	--	--

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARKANSAS
(LAT 34°57'02" LONG 093°09'16")

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
MAY									
24...	1200	80513	81213	37	6.1	754	23.5	8.1	96
AUG									
13...	1300	80513	81213	47	5.9	757	25.0	5.5	67

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
MAY								
24...	1200	8	50	15	1.8	12	2.6	1.4
AUG								
13...	1300	K280	40	22	2.8	14	2.7	1.8

ARKANSAS RIVER BASIN--CONTINUED

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARKANSAS--CONTINUED
(LAT 34°57'02" LONG 093°09'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)
MAY							
24...	1200	16	<0.010	<0.020	0.100	0.020	0.020
AUG							
13...	1300	17	0.010	0.210	0.290	0.070	0.040

RED RIVER BASIN

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARKANSAS
(LAT 34°09'49" LONG 094°24'18")

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
21...	0845	80513	80513	0.0	12.0	34	6.1	754	25.0	7.7	94
21...	0846	80513	80513	1.00	12.0	34	6.1	754	25.0	7.2	88
21...	0847	80513	80513	2.00	12.0	34	6.1	754	25.0	7.1	86
21...	0848	80513	80020	3.00	12.0	35	6.1	754	25.0	7.0	86
21...	0849	80513	80513	4.00	12.0	37	6.1	754	25.0	6.9	85
21...	0850	80513	80513	5.00	12.0	39	6.1	754	25.0	6.7	81
21...	0851	80513	81213	6.00	12.0	62	6.1	754	24.0	6.5	79
21...	0852	80513	80513	7.00	12.0	64	6.2	754	24.0	6.3	76
21...	0853	80513	80513	8.00	12.0	64	6.2	754	24.0	6.4	77
21...	0854	80513	80513	9.00	12.0	64	6.2	754	23.5	6.5	77
21...	0855	80513	80513	10.0	12.0	63	6.2	754	23.0	6.1	72
21...	0856	80513	80513	11.0	12.0	63	6.2	754	23.0	6.0	70
21...	0857	80513	80513	12.0	12.0	68	6.1	754	22.0	3.4	39
AUG											
29...	0845	80513	80513	0.0	6.0	82	7.6	757	28.5	9.7	126
29...	0846	80513	80020	3.00	6.0	83	7.7	757	28.5	9.5	123
29...	0847	80513	80513	6.00	6.0	82	7.2	757	28.5	7.6	99

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY											
21...	0845	1.20	27	--	--	--	--	--	--	--	--
21...	0851	--	--	10	8.8	1.1	12	3.1	1.1	--	13
AUG											
29...	0845	1.40	8	--	--	--	--	--	--	--	--
29...	0846	--	--	40	8.2	4.7	14	3.4	1.3	2.7	25

RED RIVER BASIN--CONTINUED

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARKANSAS--CONTINUED
(LAT 34°09'49" LONG 094°24'18")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY											
21...	0848	--	--	--	--	--	--	--	--	0.500	0.100
21...	0851	3.2	3.2	<0.10	<0.010	1.40	0.060	0.200	0.170	--	--
AUG											
29...	0846	3.1	6.2	<0.10	0.020	1.00	0.040	0.320	0.190	37.0	2.80

DATE	TIME	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
MAY										
21...	0851	160	<1	1	3	400	2	110	2	150
AUG										
29...	0846	80	1	<1	2	260	<1	50	<1	10

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARKANSAS
(LAT 34°07'07" LONG 094°23'10")

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAY											
21...	0810	80513	80513	0.0	54.0	30	6.7	753	26.0	9.1	114
21...	0811	80513	80020	3.00	54.0	30	6.7	753	26.0	8.9	111
21...	0812	80513	80513	10.0	54.0	31	6.3	753	25.0	7.5	92
21...	0813	80513	81213	11.0	54.0	31	6.1	753	25.0	7.1	86
21...	0814	80513	80513	13.0	54.0	32	5.9	753	24.0	5.7	69
21...	0815	80513	80513	17.0	54.0	33	5.7	753	22.5	4.4	51
21...	0816	80513	80513	19.0	54.0	31	5.7	753	21.5	4.8	55
21...	0817	80513	80513	20.0	54.0	31	5.7	753	21.5	5.0	57
21...	0818	80513	80513	25.0	54.0	32	5.7	753	20.5	4.1	46
21...	0819	80513	80513	30.0	54.0	32	5.6	753	20.5	3.4	38
21...	0820	80513	80513	40.0	54.0	35	5.6	753	19.5	1.8	20
21...	0821	80513	81213	43.0	54.0	36	5.6	753	19.5	1.7	18
21...	0822	80513	80513	50.0	54.0	49	5.8	753	18.5	0.5	6
21...	0823	80513	80513	54.0	54.0	48	5.9	753	18.5	0.5	5

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY										
21...	0810	1.40	1	--	--	--	--	--	--	--
21...	0813	--	--	10	1.9	2.3	9	2.3	0.80	8
21...	0821	--	--	15	3.7	1.0	10	2.7	0.90	10

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARKANSAS--CONTINUED
(LAT 34°07'07" LONG 094°23'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY										
21...	0811	--	--	--	--	--	--	--	4.70	0.300
21...	0813	3.0	1.6	<0.010	<0.020	0.010	0.020	0.020	--	--
21...	0821	2.9	1.6	<0.010	0.020	0.150	0.040	0.030	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
AUG											
29...	0815	80513	80513	0.0	58.0	34	6.8	757	27.5	8.2	105
29...	0816	80513	80513	3.00	58.0	34	6.8	757	28.0	8.0	103
29...	0817	80513	80513	10.0	58.0	34	6.8	757	28.0	7.9	101
29...	0818	80513	81213	12.0	58.0	34	6.6	757	27.5	7.1	91
29...	0819	80513	80513	18.0	58.0	35	5.9	757	27.0	1.4	18
29...	0820	80513	80513	20.0	58.0	37	5.8	757	26.5	0.3	4
29...	0821	80513	80513	21.0	58.0	49	5.9	757	25.5	0.3	4
29...	0822	80513	80513	22.0	58.0	60	6.1	757	25.0	0.3	4
29...	0823	80513	80513	23.0	58.0	62	6.1	757	23.5	0.3	4
29...	0824	80513	80513	24.0	58.0	62	6.2	757	23.0	0.3	4
29...	0825	80513	80513	26.0	58.0	59	6.1	757	22.0	0.3	4
29...	0826	80513	80513	30.0	58.0	61	6.1	757	21.0	0.3	4
29...	0827	80513	80513	35.0	58.0	66	6.1	757	20.0	0.3	4
29...	0828	80513	80513	40.0	58.0	74	6.1	757	19.5	0.3	4
29...	0829	80513	81213	48.0	58.0	81	6.1	757	19.0	0.3	4
29...	0830	80513	80513	50.0	58.0	83	6.1	757	19.0	0.3	3
29...	0831	80513	80513	58.0	58.0	84	6.2	757	19.0	0.3	4

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG									
29...	0815	1.80	1	--	--	--	--	--	--
29...	0818	--	--	20	2.9	1.8	10	2.4	1.0
29...	0829	--	--	160	8.1	1.7	14	3.6	1.3

DATE	TIME	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)
AUG									
29...	0818	12	2.6	1.9	<0.010	<0.020	0.010	0.030	0.010
29...	0829	24	1.1	1.7	<0.010	<0.020	1.90	0.310	0.270

RED RIVER BASIN--CONTINUED

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARKANSAS
(LAT 34°05'53" LONG 094°22'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
21...	0730	80513	80513	0.0	56.0	31	6.4	753	25.5	8.6	107
21...	0731	80513	80020	3.00	56.0	30	6.4	753	25.5	8.5	106
21...	0732	80513	80513	10.0	56.0	30	6.4	753	25.5	8.5	105
21...	0733	80513	81213	11.0	56.0	30	6.4	753	25.5	8.4	104
21...	0734	80513	80513	11.0	56.0	31	6.4	753	25.5	8.4	104
21...	0735	80513	80513	15.0	56.0	32	5.9	753	23.5	6.6	78
21...	0736	80513	80513	16.0	56.0	31	5.9	753	22.0	6.0	69
21...	0737	80513	80513	20.0	56.0	30	5.8	753	21.5	5.8	67
21...	0738	80513	80513	25.0	56.0	30	5.7	753	21.0	4.5	51
21...	0739	80513	80513	30.0	56.0	31	5.7	753	20.5	4.1	46
21...	0740	80513	80513	40.0	56.0	32	5.6	753	20.0	3.1	34
21...	0741	80513	81213	45.0	56.0	33	5.6	753	19.0	2.5	27
21...	0742	80513	80513	50.0	56.0	34	5.6	753	19.0	1.8	20
21...	0743	80513	80513	56.0	56.0	37	5.7	753	17.5	0.8	9

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY											
21...	0730	1.50	1	--	--	--	--	--	--	--	--
21...	0733	--	--	10	1.5	2.2	9	2.2	0.80	0.9	7
21...	0734	--	--	--	--	2.2	--	--	--	--	7
21...	0741	--	--	10	1.9	1.1	9	2.3	0.90	1.0	9

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY											
21...	0731	--	--	--	--	--	--	--	--	4.20	0.200
21...	0733	3.0	1.6	<0.10	<0.010	<0.020	0.010	0.010	0.020	--	--
21...	0741	3.0	1.6	<0.10	<0.010	0.020	0.070	0.020	0.020	--	--

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
21...	0733	80	<1	<1	<1	150	<1	30	<1	30
21...	0741	90	<1	1	<1	280	<1	100	<1	40

RED RIVER BASIN--CONTINUED

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARKANSAS--CONTINUED
(LAT 34°05'53" LONG 094°22'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
29...	0735	80513	80513	0.0	64.0	33	7.0	756	28.0	8.3	106
29...	0736	80513	80020	3.00	64.0	33	7.1	756	28.0	8.1	105
29...	0737	80513	80513	10.0	64.0	33	6.8	756	28.0	7.6	97
29...	0738	80513	81213	12.0	64.0	33	6.7	756	27.5	7.3	94
29...	0739	80513	80513	20.0	64.0	33	5.9	756	26.5	0.5	6
29...	0740	80513	80513	21.0	64.0	33	5.8	756	25.5	0.4	5
29...	0741	80513	80513	22.0	64.0	48	6.0	756	25.0	0.3	4
29...	0742	80513	80513	25.0	64.0	55	6.1	756	23.5	0.3	4
29...	0743	80513	80513	27.0	64.0	51	6.1	756	22.5	0.3	4
29...	0744	80513	80513	29.0	64.0	50	6.1	756	21.5	0.3	4
29...	0745	80513	80513	30.0	64.0	50	6.0	756	21.0	0.3	4
29...	0746	80513	80513	35.0	64.0	54	6.0	756	20.0	0.3	3
29...	0747	80513	80513	40.0	64.0	61	6.1	756	19.5	0.3	4
29...	0748	80513	81213	48.0	64.0	65	6.1	756	19.0	0.3	4
29...	0749	80513	80513	50.0	64.0	68	6.1	756	19.0	0.3	4
29...	0750	80513	80513	60.0	64.0	70	6.1	756	18.5	0.3	4
29...	0751	80513	80513	64.0	64.0	72	6.1	756	18.5	0.3	4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
AUG											
29...	0735	1.70	2	--	--	--	--	--	--	--	--
29...	0738	--	--	20	2.3	1.6	10	2.3	1.0	1.3	11
29...	0748	--	--	120	5.1	1.7	13	3.3	1.2	1.5	24

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG											
29...	0736	--	--	--	--	--	--	--	--	7.00	<0.100
29...	0738	2.6	1.8	<0.10	<0.010	<0.020	0.010	0.020	0.010	--	--
29...	0748	1.1	1.7	<0.10	<0.010	<0.020	1.30	0.220	0.190	--	--

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
29...	0738	40	<1	1	1	70	<1	30	<1	10
29...	0748	30	4	2	1	5300	<1	1000	<1	10

RED RIVER BASIN--CONTINUED

07339452 ROLLING FORK RIVER BELOW DEQUEEN LAKE NEAR DEQUEEN, ARKANSAS
(LAT 34°05'51" LONG 094°22'50")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY									
21...	0710	80513	81213	32	5.7	755	19.5	9.4	104
AUG									
29...	0700	80513	81213	35	6.5	758	27.0	7.3	92

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY										
21...	0710	0	10	2.4	0.9	9	2.2	0.80	0.9	9
AUG										
29...	0700	42	20	5.1	1.8	9	2.2	0.90	1.4	11

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
MAY										
21...	0710	3.0	1.6	<0.10	<0.010	0.040	0.090	0.020	0.020	50
AUG										
29...	0700	2.6	1.8	<0.10	<0.010	0.030	0.050	0.040	0.010	40

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY									
21...	0710	<1	2	<1	340	<1	170	<1	30
AUG									
29...	0700	<1	<1	2	210	<1	70	<1	10

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, ARKANSAS
(LAT 34°15'46" LONG 094°11'34")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
20...	1545	80513	80513	1.00	6.0	35	7.0	752	25.5	9.6	118
20...	1546	80513	80513	2.00	6.0	34	7.0	752	25.5	8.9	110
20...	1547	80513	81213	3.00	6.0	35	7.0	752	25.0	8.7	108
20...	1548	80513	80513	4.00	6.0	35	7.0	752	25.0	8.7	107
20...	1549	80513	80513	5.00	6.0	35	6.9	752	25.0	8.6	106
20...	1550	80513	80513	6.00	6.0	35	6.9	752	25.0	8.6	106
AUG											
28...	1515	80513	80513	0.0	6.0	52	6.5	755	30.0	7.7	103
28...	1516	80513	81213	3.00	6.0	52	6.4	755	29.0	6.6	87
28...	1517	80513	80513	6.00	6.0	52	6.5	755	27.5	6.2	79

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY											
20...	1545	1.30	48	--	--	--	--	--	--	--	--
20...	1547	--	--	10	5.9	1.2	11	2.7	1.0	0.9	11
AUG											
28...	1515	1.20	7	--	--	--	--	--	--	--	--
28...	1516	--	--	10	3.5	1.2	20	5.2	1.7	1.0	19

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY											
20...	1547	2.5	1.6	<0.10	<0.010	0.050	0.010	0.020	0.020	0.300	<0.100
AUG											
28...	1516	3.0	2.0	<0.10	<0.010	<0.020	<0.010	0.030	0.010	1.60	<0.100

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
20...	1547	180	<1	2	<1	300	1	10	<1	40
AUG										
28...	1516	50	<1	<1	<1	220	<1	50	<1	10

RED RIVER BASIN--CONTINUED

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, ARKANSAS
(LAT 34°15'14" LONG 094°13'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
20...	1515	80513	80513	0.0	20.0	35	7.1	752	27.5	9.0	116
20...	1516	80513	80020	3.00	20.0	35	6.9	752	27.0	8.6	110
20...	1517	80513	80513	6.00	20.0	34	6.7	752	26.0	7.7	96
20...	1518	80513	80513	8.00	20.0	37	6.3	752	25.0	6.6	81
20...	1519	80513	81213	10.0	20.0	38	6.1	752	24.5	6.4	77
20...	1520	80513	80513	13.0	20.0	39	6.0	752	23.5	5.9	71
20...	1521	80513	80513	16.0	20.0	40	6.0	752	22.5	6.0	70
20...	1522	80513	80513	20.0	20.0	53	5.8	752	21.5	0.7	8
AUG											
28...	1455	80513	80513	0.0	24.0	41	6.2	755	30.0	8.5	114
28...	1456	80513	80020	3.00	24.0	41	6.4	755	30.0	8.4	112
28...	1457	80513	80513	4.00	24.0	42	6.1	755	29.0	6.5	85
28...	1458	80513	80513	6.00	24.0	43	6.0	755	28.5	5.2	68
28...	1459	80513	80513	10.0	24.0	44	5.8	755	28.0	2.7	35
28...	1500	80513	81213	12.0	24.0	44	5.7	755	28.0	1.9	24
28...	1501	80513	80513	20.0	24.0	46	5.6	755	27.5	0.5	6
28...	1502	80513	80513	24.0	24.0	52	4.4	755	27.0	0.4	5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY										
20...	1515	1.10	5	--	--	--	--	--	--	--
20...	1519	--	--	5	7.2	1.7	11	2.7	1.0	11
AUG										
28...	1455	1.60	4	--	--	--	--	--	--	--
28...	1500	--	--	30	6.4	2.0	16	3.9	1.4	15

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
20...	1516	--	--	--	--	--	--	--	3.10	0.500
20...	1519	2.4	2.1	<0.010	0.140	0.020	0.040	0.020	--	--
AUG										
28...	1456	--	--	--	--	--	--	--	10.0	0.600
28...	1500	2.1	1.9	<0.010	<0.020	0.020	0.070	0.020	--	--

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARKANSAS
(LAT 34°13'53" LONG 094°13'54")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAY											
20...	1430	80513	80513	0.0	80.0	30	8.5	752	27.0	9.8	125
20...	1431	80513	81213	3.00	80.0	30	8.4	752	26.5	9.9	125
20...	1432	80513	80513	8.00	80.0	27	7.6	752	25.5	9.0	111
20...	1433	80513	80513	10.0	80.0	28	7.0	752	24.5	8.6	105
20...	1434	80513	80513	12.0	80.0	28	6.3	752	23.0	7.3	87
20...	1435	80513	80513	14.0	80.0	29	6.2	752	22.5	6.9	80
20...	1436	80513	80513	16.0	80.0	28	6.1	752	22.0	6.8	78
20...	1437	80513	80513	20.0	80.0	28	5.9	752	21.0	5.8	66
20...	1438	80513	80513	25.0	80.0	29	5.8	752	20.5	5.3	59
20...	1439	80513	80513	30.0	80.0	29	5.8	752	19.5	5.0	55
20...	1440	80513	80513	40.0	80.0	31	5.8	752	18.0	4.9	53
20...	1441	80513	80513	50.0	80.0	35	5.8	752	17.5	3.3	34
20...	1442	80513	80513	54.0	80.0	37	5.9	752	16.0	1.4	15
20...	1443	80513	80513	60.0	80.0	40	5.9	752	15.5	0.7	7
20...	1444	80513	81213	64.0	80.0	46	6.1	752	14.5	0.5	5
20...	1445	80513	80513	70.0	80.0	46	6.2	752	14.5	0.4	4
20...	1446	80513	80513	80.0	80.0	46	6.0	752	14.5	0.4	4

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY										
20...	1430	1.40	2	--	--	--	--	--	--	--
20...	1431	--	--	5	1.9	--	--	--	--	--
20...	1436	--	--	5	1.9	1.0	8	2.0	0.80	7
20...	1444	--	--	20	11	1.4	12	2.9	1.1	15

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY										
20...	1431	--	--	--	--	--	--	--	5.30	0.300
20...	1436	2.8	1.4	<0.010	0.021	0.050	0.021	0.021	--	--
20...	1444	2.7	1.4	0.010	0.060	0.410	0.030	0.030	--	--

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARKANSAS--CONTINUED
(LAT 34°13'53" LONG 094°13'54")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
28...	1425	80513	80513	0.0	55.0	35	6.8	755	30.0	8.4	113
28...	1426	80513	80020	3.00	55.0	35	6.8	755	29.0	8.3	109
28...	1427	80513	80513	10.0	55.0	34	6.6	755	28.0	7.5	97
28...	1428	80513	81213	11.0	55.0	35	6.5	755	28.0	7.2	93
28...	1429	80513	80513	19.0	55.0	36	5.7	755	27.0	0.7	8
28...	1430	80513	80513	20.0	55.0	38	5.6	755	25.0	0.4	5
28...	1431	80513	80513	21.0	55.0	40	5.6	755	24.0	0.4	4
28...	1432	80513	80513	22.0	55.0	40	5.6	755	22.5	0.8	9
28...	1433	80513	80513	23.0	55.0	42	5.6	755	22.0	0.4	4
28...	1434	80513	80513	25.0	55.0	43	5.7	755	21.0	0.4	4
28...	1435	80513	80513	30.0	55.0	43	5.8	755	20.0	0.4	4
28...	1436	80513	80513	40.0	55.0	54	5.9	755	19.5	0.4	4
28...	1437	80513	81213	44.0	55.0	57	6.0	755	19.0	0.4	4
28...	1438	80513	80513	50.0	55.0	62	6.0	755	18.5	0.4	4
28...	1439	80513	80513	55.0	55.0	67	5.6	755	18.5	0.4	4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
AUG										
28...	1425	2.10	1	--	--	--	--	--	--	--
28...	1428	--	--	10	1.8	1.5	12	2.9	1.1	11
28...	1437	--	--	100	5.5	1.3	13	3.2	1.2	19

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
28...	1426	--	--	--	--	--	--	--	1.50	<0.100
28...	1428	2.2	1.6	<0.010	<0.020	<0.010	0.030	0.010	--	--
28...	1437	1.0	1.5	<0.010	<0.020	0.700	0.090	0.080	--	--

RED RIVER BASIN--CONTINUED

07340450 GILLHAM LAKE NEAR GILLHAM, ARKANSAS
(LAT 34°12'37" LONG 094°13'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY											
20...	1330	80513	80513	0.0	60.0	29	8.8	752	27.0	10.1	129
20...	1331	80513	80020	3.00	60.0	30	8.8	752	26.5	10.1	127
20...	1332	80513	80513	8.00	60.0	29	8.4	752	25.5	9.3	115
20...	1333	80513	80513	10.0	60.0	28	8.0	752	25.0	9.4	115
20...	1334	80513	80513	11.0	60.0	28	7.2	752	24.0	8.8	106
20...	1335	80513	81213	12.0	60.0	28	7.0	752	23.0	8.1	95
20...	1336	80513	80513	16.0	60.0	28	6.5	752	22.0	6.6	76
20...	1337	80513	80513	20.0	60.0	29	6.4	752	21.0	5.8	65
20...	1338	80513	80513	25.0	60.0	30	6.2	752	20.0	5.2	58
20...	1339	80513	80513	30.0	60.0	29	6.0	752	19.5	5.3	58
20...	1340	80513	80513	40.0	60.0	29	5.9	752	18.0	5.0	54
20...	1341	80513	81213	48.0	60.0	30	6.0	752	18.0	4.8	51
20...	1342	80513	80513	50.0	60.0	31	5.9	752	17.5	4.6	49
20...	1343	80513	80513	60.0	60.0	34	6.0	752	16.0	2.2	23

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY											
20...	1330	1.20	2	--	--	--	--	--	--	--	--
20...	1335	--	--	10	1.6	1.9	8	2.0	0.80	0.7	7
20...	1341	--	--	10	5.9	0.8	9	2.2	0.80	0.8	9

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY											
20...	1331	--	--	--	--	--	--	--	--	6.30	0.400
20...	1335	2.8	1.4	<0.10	<0.010	<0.020	0.010	0.020	0.020	--	--
20...	1341	2.7	1.4	<0.10	<0.010	0.070	0.060	0.010	0.020	--	--

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY										
20...	1335	60	<1	1	<1	100	<1	10	<1	40
20...	1341	140	<1	2	<1	210	<1	90	<1	30

07340450 GILLHAM LAKE NEAR GILLHAM, ARKANSAS--CONTINUED
(LAT 34°12'37" LONG 094°13'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG											
28...	1400	80513	80513	0.0	65.0	34	6.5	755	30.0	7.7	103
28...	1401	80513	80020	3.00	65.0	34	6.6	755	29.5	7.7	102
28...	1402	80513	80513	10.0	65.0	34	6.6	755	28.5	7.5	98
28...	1403	80513	81213	13.0	65.0	34	6.4	755	28.0	6.2	81
28...	1404	80513	80513	17.0	65.0	35	5.7	755	26.5	1.1	14
28...	1405	80513	80513	19.0	65.0	38	5.7	755	25.5	0.4	5
28...	1406	80513	80513	20.0	65.0	38	5.6	755	25.0	0.3	4
28...	1407	80513	80513	21.0	65.0	37	5.6	755	24.0	0.3	4
28...	1408	80513	80513	22.0	65.0	36	5.6	755	23.0	0.4	5
28...	1409	80513	80513	23.0	65.0	36	5.6	755	22.5	0.3	4
28...	1410	80513	80513	26.0	65.0	39	5.6	755	21.5	0.4	4
28...	1411	80513	80513	30.0	65.0	42	5.7	755	21.0	0.4	4
28...	1412	80513	80513	40.0	65.0	51	5.9	755	19.5	0.4	4
28...	1413	80513	80513	45.0	65.0	57	6.0	755	18.5	0.4	4
28...	1414	80513	80513	50.0	65.0	60	6.0	755	18.5	0.4	4
28...	1415	80513	81213	52.0	65.0	61	6.1	755	17.5	0.4	4
28...	1416	80513	80513	60.0	65.0	61	6.1	755	17.5	0.4	4
28...	1417	80513	80513	65.0	65.0	62	6.1	755	17.5	0.4	4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
AUG											
28...	1400	2.20	0	--	--	--	--	--	--	--	--
28...	1403	--	--	10	2.3	1.4	11	2.7	1.0	1.0	10
28...	1415	--	--	120	8.5	1.6	14	3.4	1.3	1.2	20

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG											
28...	1401	--	--	--	--	--	--	--	--	0.500	<0.100
28...	1403	2.2	1.6	<0.10	<0.010	<0.020	0.010	0.020	0.010	--	--
28...	1415	1.1	1.5	<0.10	<0.010	<0.020	0.810	0.120	0.100	--	--

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG										
28...	1403	40	<1	<1	2	80	<1	20	<1	10
28...	1415	40	4	2	1	5100	<1	1700	<1	10

RED RIVER BASIN--CONTINUED

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, ARKANSAS
(LAT 34°12'32" LONG 094°13'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
MAY									
20...	1250	80513	81213	31	6.9	753	20.0	9.2	102
AUG									
28...	1310	80513	81213	34	6.4	757	28.5	7.5	98

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY										
20...	1250	14	5	6.0	2.0	9	2.1	0.80	0.8	7
AUG										
28...	1310	16	10	3.3	1.0	10	2.5	1.0	1.0	10

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
MAY										
20...	1250	2.8	1.3	<0.10	<0.010	0.060	0.070	0.030	0.020	150
AUG										
28...	1310	2.3	1.6	<0.10	<0.010	0.020	0.030	0.020	0.010	40

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY									
20...	1250	<1	1	<1	230	<1	120	<1	30
AUG									
28...	1310	<1	<1	3	110	<1	80	<1	10

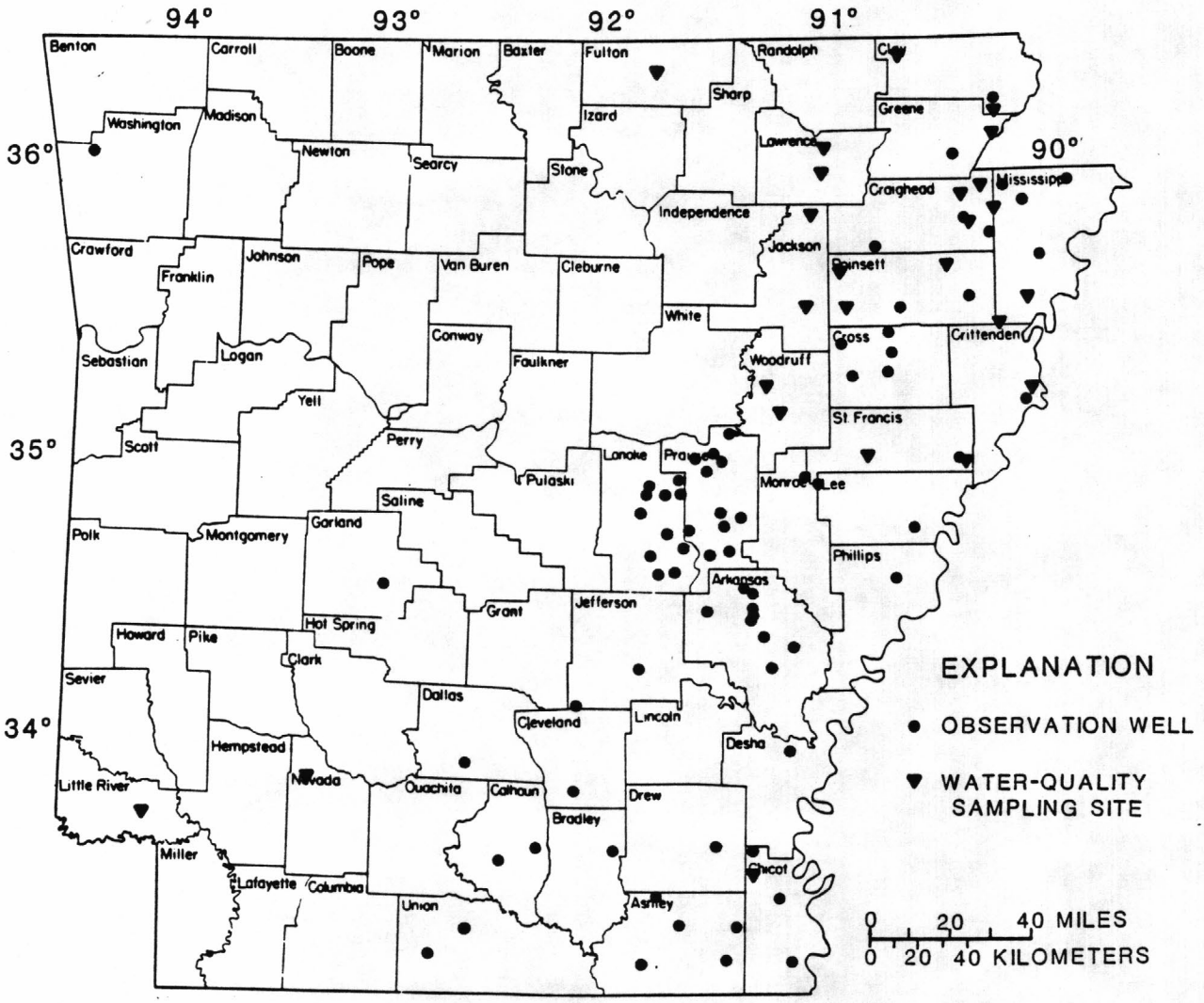


Figure 6.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

341137091195101. Local number, 06S03W10BBA1.
LOCATION.--Lat 34°11'37", long 91°19'51", Hydrologic Unit 08020303, near DeLuce.
Owner: Iona Pierce.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 24 in, depth 155 ft.
DATUM.--Land surface 184 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in casing, 0.50 ft above land surface.
PERIOD OF RECORD.--March 1970 to April 1984, April 1986 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.62 ft below land surface, Mar. 23, 1970; lowest, 81.08 ft below land surface, Apr. 24, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 81.08 ft below land surface.

341553091135901. Local number, 05S02W16ABD1.
LOCATION.--Lat 34°15'53", long 91°13'59", Hydrologic Unit 08020303, near Ethel.
Owner: Ralph Ruffin.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 18 in, depth 154 ft.
DATUM.--Land surface, 190 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base east side at land surface.
PERIOD OF RECORD.--March 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.74 ft below land surface, Apr. 1, 1975; lowest, 75.35 ft below land surface, Mar. 16, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 74.72 ft below land surface.

341832091215801. Local number, 04S03W32BCB1.
LOCATION.--Lat 34°18'32", long 91°21'58", Hydrologic Unit 08020303, near DeWitt.
Owner: Roy P. Dickson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 24 in.
DATUM.--Land surface, 192 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1937 to March 1957, March 1959 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.62 ft below land surface, Apr. 19, 1937; lowest, 105.86 ft below land surface, Apr. 24, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 105.86 ft below land surface.

342155091250301. Local number, 04S04W11BCC1.
LOCATION.--Lat 34°21'55", long 91°25'03", Hydrologic Unit 08020303, near Almyra.
Owner: Harry Neukon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 836 ft, screened 730-830 ft.
DATUM.--Land surface, 198 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south side of pump, 1.00 ft above land surface.
PERIOD OF RECORD.--October 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.95 ft below land surface, Mar. 19, 1968; lowest, 147.51 ft below land surface, Mar. 21, 1990.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 144.04 ft below land surface.

342312091242601. Local number, 04S04W02ABB1.
LOCATION.--Lat 34°23'12", long 91°24'26", Hydrologic Unit 08020303, near Almyra.
Owner: John Neukon.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in north side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--December 1954 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.02 ft below land surface, Mar. 15, 1955; lowest, 106.12 ft below land surface, Apr. 24, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 106.12 ft below land surface.

342416091243701. Local number, 03S04W26CDA1.
LOCATION.--Lat 34°24'16", long 91°24'37", Hydrologic Unit 08020303, at Almyra.
Owner: Town of Almyra.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in, depth 666 ft, screened 606-666 ft.
DATUM.--Land surface 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1965 to March 1965, November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.57 ft below land surface, Mar. 18, 1965; lowest, 138.35 ft below land surface, Mar. 23, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 135.97 ft below land surface.

342416091365101. Local number, 03S06W35ADD1.
LOCATION.--Lat 34°24'16", long 91°36'51", Hydrologic Unit 08020402, near Humphrey.
Owner: J.I. Clow
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled artesian well.
DATUM.--Land surface, 190 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.56 ft below land surface, Mar. 26, 1980; lowest, 49.01 ft below land surface, Apr. 24, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 49.01 ft below land surface.

342747091245701. Local number, 03S04W02CCB1.
LOCATION.--Lat 34°27'47", long 91°24'57", Hydrologic Unit 08020303, near Stuttgart.
Owner: University of Arkansas Experiment Station.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 721 ft, screened 635-715 ft.
DATUM.--Land surface, 202 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening east side, 1.50 ft above land surface.
PERIOD OF RECORD.--January 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.55 ft below land surface, Mar. 20, 1963; lowest, 140.90 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 140.90 ft below land surface.

342924091270001. Local number, 02S04W33BBB1.
LOCATION.--Lat 34°29'24", long 91°27'00", Hydrologic Unit 08020303, near Stuttgart.
Owner: Glen Roth.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24 in, depth 781 ft.
DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening west side of pump, 1.00 ft above and surface.
PERIOD OF RECORD.--April 1961 to March 1965, November 1967 to March 1979, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.96 ft below land surface, Mar. 22, 1962; lowest, 143.13 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 143.13 ft below land surface.

ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 155 ft, screened 142-152 ft.
DATUM.--Land surface, 163.26 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft above land surface.
PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.07 ft below land surface, Mar. 2, 1991; lowest, 93.28 ft below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.02	86.79	86.99	86.83	86.58	86.22	86.83	86.59	86.60	86.77	86.75	86.73
10	86.99	87.06	86.88	86.55	86.66	86.94	86.74	86.72	86.75	86.74	86.72	86.81
15	86.98	86.91	86.83	86.28	86.86	86.71	86.66	86.49	86.70	86.84	86.76	86.74
20	86.78	86.83	86.89	86.55	86.88	86.52	86.71	86.65	86.75	86.87	86.81	86.98
25	87.04	86.81	87.24	86.86	86.76	86.65	86.53	86.56	86.80	86.70	86.83	86.63
EOM	86.84	87.11	87.16	87.14	86.61	87.06	86.67	86.54	86.72	86.76	86.65	86.84
MAX	87.09	87.46	87.43	87.14	87.20	87.06	87.01	86.87	86.84	86.90	86.87	86.99
MIN	86.76	86.65	86.57	86.28	86.15	86.07	86.29	86.49	86.42	86.67	86.65	86.63

WTR YR 1991 HIGH 86.07 MAR 2 LOW 87.46 NOV 29

330720091324601. Local number, 18S04W19DAA2.
LOCATION.--Lat 33°07'20", long 91°32'46", Hydrologic Unit 08050001, at Parkdale.
Owner: City of Parkdale.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-4 in, depth 356 ft, cased 0-316 ft, screened 316-356 ft.
DATUM.--Land surface, 116 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 3.00 ft above land surface.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.44 ft below land surface, Mar. 20, 1975; lowest, 26.25 ft below land surface, Apr. 3, 1975.
MEASUREMENT FOR CURRENT YEAR.--June 20, 1991, 15.78 ft below land surface.

331416091302802. Local number 17S04W10BCD2.
LOCATION.--Lat 33°14'16", long 91°30'28", Hydrologic Unit 08050001, at Portland.
Owner: City of Portland.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 340 ft, cased 0-297 ft, screened 297-340 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening north side, 2.50 ft above land surface.
PERIOD OF RECORD.--March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.52 ft below land surface, Mar. 20, 1975; lowest, 35.83 ft below land surface, Oct. 30, 1979.
MEASUREMENT FOR CURRENT YEAR.--June 20, 1991, 28.07 ft below land surface.

331442091451001. Local number, 17S06W07ADA1.
LOCATION.--Lat 33°14'42", long 91°45'10", Hydrologic Unit 08040205, near Hamburg.
Owner: Hamburg Industrial Park.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 426 ft.
DATUM.--Land surface, 174 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening west side, 2.00 ft above land surface.
PERIOD OF RECORD.--June 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.22 ft below land surface, Apr. 9, 1968; lowest, 77.27 ft below land surface, Mar. 31, 1988.
MEASUREMENT FOR CURRENT YEAR.--July 11, 1991, 73.71 ft below land surface.

332132091510902. Local number, 15S07W32CBA1.
LOCATION.--Lat 33°21'32", long 91°51'09", Hydrologic Unit 08040204, at Fountain Hill.
Owner: City of Fountain Hill.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 440 ft.
DATUM.--Land surface, 188 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of plate, 0.50 ft above land surface.
PERIOD OF RECORD.--March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.62 ft below land surface, July 7, 1991; lowest, 89.10 ft below land surface, Mar. 30, 1982.
MEASUREMENT FOR CURRENT YEAR.--July 7, 1991, 81.62 ft below land surface.

BRADLEY COUNTY

333135092015501. Local Number, 14S09W04ADA1.
LOCATION.--Lat 33°31'35", long 92°01'55", Hydrologic Unit 08040204, near Carmel.
Owner: U.S. Geological Survey.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 310 ft.
DATUM.--Land surface, 172 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 3.00 ft above land surface.
PERIOD OF RECORD.--October 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.09 ft below land surface, May 1, 1990; lowest, 76.52 ft below land surface, Nov. 20, 1978.
MEASUREMENT FOR CURRENT YEAR.--June 6, 1991, 49.65 ft below land surface.

CALHOUN COUNTY

332932092325001. Local number, 14S14W21ACB1.
LOCATION.--Lat 33°29'32", long 92°32'50", Hydrologic Unit 08040201, near Hampton.
Owner: H. D. Avent.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 160 ft, cased 0-120 ft, screened 150-160 ft.
DATUM.--Land surface, 132 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land surface.
PERIOD OF RECORD.--April 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.16 ft below land surface, June 5, 1979; lowest, 36.20 ft below land surface, Oct. 13-18, 1985.
MEASUREMENT FOR CURRENT YEAR.--June 7, 1991, 35.10 ft below land surface.

333212092231001. Local number, 14S13W01AAA1.
LOCATION.--Lat 33°32'12", long 92°23'10", Hydrologic Unit 08040201, near Hampton.
Owner: U.S. Geological Survey.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 3.20 ft above land surface.
PERIOD OF RECORD.--December 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.36 ft below land surface, Mar. 31, 1975; lowest, 13.53 ft below land surface, Oct. 3, 1962.
MEASUREMENT FOR CURRENT YEAR.--June 7, 1991, 8.45 ft below land surface.

CHICOT COUNTY

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 330 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1970, June 1975, May 1979, June 1983, and June 1988 are available in files of district office.
PERIOD OF RECORD.--January 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 20, 1975; lowest, 47.65 ft below land surface, June 14, 1988.
MEASUREMENT FOR CURRENT YEAR.--June 21, 1991, 42.98 ft below land surface.

332030091185401. Local number, 16S02W04BAC1.
LOCATION.--Lat 33°20'30", long 91°18'54", Hydrologic Unit 08050002, at Lake Village.
Owner: City of Lake Village.
AQUIFER.--Sand, Cockfield formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 330 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent hole on west side, 2.50 ft above land surface.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.34 ft below land surface, Mar. 29 1984; lowest, 39.98 ft below land surface, May 4, 1990.
MEASUREMENT FOR CURRENT YEAR.--June 20, 1991, 38.12 ft below land surface.

332613091255101. Local number, 14S03W32DCB1.
LOCATION.--Lat 33°26'13", long 91°25'51", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-10 in,depth 90 ft, cased 0-50 ft, screened 50-90 ft.
DATUM.--Land surface, 134 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952, June 1982, June 1986, and July 1991 are available in files of district office.
PERIOD OF RECORD.--July 1952, March 1983 to May 1990.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.08 ft below land surface, Mar. 29, 1984; lowest, 29.27 ft below land surface, May 2, 1990.

333104091260001. Local number, 14S03W05BBA1.
LOCATION.--Lat 33°31'04", long 91°26'00", Hydrologic Unit 08050001, at Dermott.
Owner: City of Dermott.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 560 ft, screened 515-560 ft.
DATUM.--Land surface, 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.06 ft below land surface, March 30, 1966; lowest, 68.65 ft below land surface, July 10, 1991.
MEASUREMENT FOR CURRENT YEAR.--July 10, 1991, 68.65 ft below land surface.

CLAY COUNTY

361253090170801. Local number, 18N07E11AAA1.
LOCATION.--Lat 36°12'53", long 90°17'08", Hydrologic Unit 11010008, near Rector.
Owner: Harold Tracer.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, diameter 2 in, depth 50 ft.
DATUM.--Land surface, 260 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1990 are available in files of district office.

361539090173201. Local number 19N07E23DCC1.
LOCATION.--Lat 36°15'39", long 90°17'32", Hydrologic Unit 08020203, at Rector.
Owner: City of Rector.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 296 ft, screened 260-296 ft.
DATUM.--Land surface, 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in base plate of pump at land surface.
PERIOD OF RECORD.--November 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.28 ft below land surface, Apr. 4, 1990; lowest, 16.69 ft below land surface, Nov. 15, 1973.
MEASUREMENT FOR CURRENT YEAR.--Apr. 18, 1991, 13.04 ft below land surface.

362515090434701. Local number, 21N03E35BCC2.
LOCATION.--Lat 36°25'15", long 90°43'47", Hydrologic Unit 11010008, near Datto.
Owner: Fred Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled well, diameter 2 in, depth 55 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1990 are available in files of district office.

334449092125601. Local number, 11S11W23BBD1.
LOCATION.--Lat 33°44'49", long 92°12'56", Hydrologic Unit 08040204, near New Edinburg.
Owner: Cladie Wilcox Jr.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, depth 148 ft.
DATUM.--Land surface, 275 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land surface.
PERIOD OF RECORD.--July 1978 to November 1981, April 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.04 ft below land surface, June 19, 1991; lowest, 44.03 ft below land surface, Sep. 28, 1978 and Dec. 1, 1978.
MEASUREMENT FOR CURRENT YEAR.--June 19, 1991, 39.04 ft below land surface.

340334092115201. Local number, 08S11W02BCB1.
LOCATION.--Lat 34°03'34", long 92°11'52", Hydrologic Unit 08040203, near Rison.
Owner: Arkansas Highway Department.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 6 in, depth 395 ft, screened 385-395 ft.
DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in steel plate on well, 1.70 ft above land surface.
PERIOD OF RECORD.--March 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.50 ft below land surface, Apr. 16, 1981; lowest, 147.14 ft below land surface, May 18, 1990.
MEASUREMENT FOR CURRENT YEAR.--June 19, 1991, 138.68 ft below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in, depth 120 ft, screened 100-120 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
REMARKS.--Well in vicinity of heavy seasonal irrigation pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.20 ft below land surface, June 19, 1957; lowest, 92.17 ft below land surface, Apr. 17, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1991, 92.17 ft below land surface.

354525090191001. Local number, 13N07E14BBA2.
LOCATION.--Lat 35°45'25", long 90°19'10", Hydrologic Unit 08020204, at Caraway.
Owner: City of Caraway.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1128 ft, screened 1028-1128 ft.
DATUM.--Land surface, 221 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.20 ft below land surface, Apr. 4, 1975; lowest, 17.89 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1991, 16.86 ft below land surface.

354819090254501. Local number, 14N06E34AAA1.
LOCATION.--Lat 35°48'19", long 90°25'45", Hydrologic Unit 08020203, near Lake City.
Owner: Qualls.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, depth 30 ft.
DATUM.--Land surface, 227 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for April 1988 and August 1990 are available in files of district office.

354857090261201. Local number, 14N06E27ACB2.
LOCATION.--Lat 35°48'57", long 90°26'12", Hydrologic Unit 08020203, at Lake City.
Owner: City of Lake City.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 999 ft, screened 899-999 ft.
DATUM.--Land surface, 227 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening, 2.40 ft above land surface.
PERIOD OF RECORD.--July 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.88 ft below land surface, July 3, 1975; lowest, 24.46 ft below land surface, Apr. 17, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1991, 24.46 ft below land surface.

355049090181701. Local number, 14N07E12CCC1.
LOCATION.--Lat 35°50'49", long 90°18'17", Hydrologic Unit 08020203, near Black Oak.
Owner: Verlon Darr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 2 in, depth 25 ft.
DATUM.--Land surface, 233 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for August 1990 are available in files of district office.

355324090271001. Local number, 15N06E33BAD1.
LOCATION.--Lat 35°53'24", long 90°27'10", Hydrologic Unit 08020203, near Monette.
Owner: Billy Garner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled well, diameter 2 in, depth 25 ft.
DATUM.--Land surface, 234 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for August 1990 are available in files of district office

355607090213501. Local number, 15N07E09CCC1.
LOCATION.--Lat 35°56'07", long 90°21'35", Hydrologic Unit 08020203, near Leachville.
Owner: R.C. Wallace.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, diameter 2 in, depth 20 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1990 are available in files of district office.

350906090104201. Local number, 06N09E07CAC1.
LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203, at West Memphis (city well No. 5).
Owner: City of West Memphis.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter, 16 in, depth 1,470 ft, cased 0-1,380 ft, screened 1,380-1,470 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent pipe east side of pump, 2.80 ft above land surface.
REMARKS.--Water-quality records for December 1976, June 1981, and August 1989 are in files of district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.42 ft below land surface, Mar. 21, 1984; lowest, 69.09 ft below land surface, Apr. 18, 1990.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 23, 1991, 67.51 ft below land surface.

351133090083201. Local number, 07N09E28CDA1.
LOCATION.--Lat 35°11'33", long 90°08'32", Hydrologic Unit 08020203, near Marion.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

352533090171201. Local number, 09N08E06CCC1.
LOCATION.--Lat 35°25'33", long 90°17'12", Hydrologic Unit 08020203, near Turrell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well.
DATUM.--Land surface, 221 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

CROSS COUNTY

351501090570701. Local number, 07N01E11AAA1.
LOCATION.--Lat 35°15'01", long 90°57'07", Hydrologic Unit 08020205, near Fair Oaks.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 6 in, depth 120 ft.
DATUM.--Land surface, 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.40 ft below land surface, Mar. 29, 1984; lowest, 60.28 ft below land surface, May 9, 1991.
MEASUREMENT FOR CURRENT YEAR.--May 9, 1991, 60.28 ft below land surface.

351541090473801. Local number, 07N03E05ADA1.
LOCATION.--Lat 35°15'41", long 90°47'38", Hydrologic Unit 08020205, near Vanndale.
Owner: J. E. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Irrigation well, diameter 22-20 in, depth 160 ft.
DATUM.--Land surface, 254 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land surface.
PERIOD OF RECORD.--April 1955, January 1957 to February 1962, April 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.57 ft below land surface, June 19, 1957; lowest, 100.70 ft below land surface, May 9, 1991.
MEASUREMENT FOR CURRENT YEAR.--May 9, 1991, 100.70 ft below land surface.

352002090462501. Local number, 08N03E09DAD1.
LOCATION.--Lat 35°20'02", long 90°46'25", Hydrologic Unit 08020205, near Vanndale.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 18 in, depth 150 ft, screened 110-150 ft.
DATUM.--Land surface, 258 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of opening southeast side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1957 to April 1963, April 1965 to March 1966, March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.79 ft below land surface, Jun. 19, 1957; lowest, 99.48 ft below land surface, May 9, 1991.
MEASUREMENT FOR CURRENT YEAR.--May 9, 1991, 99.48 ft below land surface.

352204091000201. Local number, 09N01E33BBA1.
LOCATION.--Lat 35°22'04", long 91°00'02", Hydrologic Unit 08020205, near Hickory Ridge.
Owner: H.H. Holleman
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 12 in.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pit north side, 0.90 ft above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft below land surface, June 19, 1957; lowest, 63.74 ft below land surface, Apr. 17, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1991, 63.74 ft below land surface.

352411090473101. Local number, 09N03E17DDC1.
LOCATION.--Lat 35°24'11", long 90°47'31", Hydrologic Unit 08020205, near Cherry Valley.
Owner: Mrs. Zelma Beasley
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 8 in.
DATUM.--Land surface, 248 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe hole northwest side, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1961 to April 1963, April 1965 to March 1979, April 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.19 ft below land surface, Apr. 18, 1961; lowest, 91.49 ft below land surface, May 9, 1991.
MEASUREMENT FOR CURRENT YEAR.--May 9, 1991, 91.49 ft below land surface.

335119092412001. Local number, 10S15W18BCC1.
LOCATION.--Lat 33°51'19", long 92°41'20", Hydrologic Unit 08040102, near Holly Springs.
Owner: J.C. House.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, depth 167 ft.
DATUM.--Land surface, 328 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land surface.
PERIOD OF RECORD.--October 1978 to October 1981, May 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 68.73 ft below land surface, May 5, 1986; lowest, 102.64 ft below land surface, Oct. 26, 1978.
MEASUREMENT FOR CURRENT YEAR.--June 7, 1991, 72.07 ft below land surface.

DESHA COUNTY

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: Ed Smith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 5-2 in, depth 97 ft, cased 0-94 ft, screened 94-97 ft.
DATUM.--Land surface, 149.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft above land surface.
REMARKS.--Water level fluctuates largely with stage of Arkansas River.
PERIOD OF RECORD.--October 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft below land surface, Feb. 17, 1959; lowest, 26.20 ft below land surface, Aug. 15, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.73	24.23	23.32	---	21.06	17.78	16.90	13.36	13.07	21.08	25.09	26.18
10	24.62	23.96	23.17	---	20.59	17.57	16.44	13.08	14.10	22.01	25.83	25.99
15	24.50	23.84	23.07	---	20.26	17.49	14.82	12.74	15.51	23.36	26.20	26.02
20	24.39	23.72	22.99	---	19.65	17.45	14.27	12.68	17.73	24.23	26.17	25.94
25	24.29	23.58	---	---	18.53	17.40	14.42	12.73	18.34	24.54	25.94	25.82
EOM	24.27	23.46	---	---	18.32	17.22	14.06	12.88	19.74	24.61	26.17	25.66
MAX	24.83	24.26	---	---	---	18.24	17.18	13.86	19.74	24.61	26.20	26.18
MIN	24.27	23.46	---	---	---	17.22	14.06	12.67	12.93	19.90	24.82	25.66

DREW COUNTY

333206091351201. Local number, 13S05W35ABB1.
LOCATION.--Lat 33°32'06", long 91°35'12", Hydrologic Unit 08040204, at Collins.
Owner: J.F. Lee.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 448 ft, screened 433-448 ft.
DATUM.--Land surface, 170 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
PERIOD OF RECORD.--March 1968 to March 1978, May 1980 to March 1985, March 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measure, 63.25 ft below land surface, Mar. 28, 1968; lowest, 86.20 ft below land surface, July 23, 1991.
MEASUREMENT FOR CURRENT YEAR.--July 23, 1991, 86.20 ft below land surface.

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.
LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1,280 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for January 1969, April 1975, June 1982, and July 1991 are available in files of district office.

GARLAND COUNTY

343048093030401. Local number, 02S19W33CBD1.
LOCATION.--Lat 34°30'48", long 93°03'04", Hydrologic Unit 08040101, at Hot Springs.
Owner: Hot Springs Rehabilitation Center.
AQUIFER.--Hot Springs Sandstone of Mississippian age.
WELL CHARACTERISTICS.--Drilled unused well, depth 336.5 ft.
DATUM.--Land surface, 740 ft National Geodetic Datum of 1929. Measuring point: Top of casing, 1.30 ft above land surface.
PERIOD OF RECORD.--February 1991 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 115.70 ft below land surface, July 13, 1991; lowest, 117.41 feet below land surface, Feb. 15, 1991.

343048093030401 -- 02S19W33CBD1--CONTINUED

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	116.54	116.94	116.08	116.00	115.78	116.12	116.18
10	---	---	---	---	---	116.85	116.91	116.17	116.05	115.74	116.21	116.30
15	---	---	---	---	117.41	116.95	116.07	116.17	116.05	115.93	116.27	116.38
20	---	---	---	---	117.21	116.89	116.40	116.20	116.04	115.80	116.31	116.44
25	---	---	---	---	116.64	116.93	116.45	115.96	115.99	116.10	116.34	116.46
EOM	---	---	---	---	116.71	116.97	116.05	115.86	116.01	116.08	116.36	116.54
MEAN	---	---	---	---	---	116.84	116.54	116.06	116.02	115.92	116.26	116.37
MAX	---	---	---	---	---	117.02	116.94	116.24	116.07	116.14	116.37	116.55
MIN	---	---	---	---	---	116.54	116.05	115.76	115.92	115.70	116.09	116.18

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).
Owner: City of Paragould.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in, depth 507 ft, screened 467-507 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft above land surface.
REMARKS.--Water-quality records for December 1976, June 1981, and July 1984 are available in files of district office.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft below land surface, Apr. 13, 1967; lowest, 117.34 ft below land surface, Apr. 5, 1990.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 104.68 ft below land surface.

360729090180201. Local number, 17N07E11ABA1.
LOCATION.--Lat 36°07'29",long 90°18'02", Hydrologic Unit 11010008, near Marmaduke.
Owner: Waco Hester.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, diameter 2 in, depth 18 ft.
DATUM.--Land surface, 249 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1990 are available in files of district office.

JACKSON COUNTY

353012091092801. Local number, 10N02W12CCC1.
LOCATION.--Lat 35°30'12", long 91°09'28", Hydrologic Unit 08020302, near Algoa.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused well, depth 80 ft.
DATUM.--Land surface, 214 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

354954091075901. Local number, 14N01W19CDA1.
LOCATION.--Lat 35°49'54", long 91°07'59", Hydrologic Unit 11010013, near Swifton.
Owner: C.C. Hulett.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, depth 25 ft.
DATUM.--Land surface, 247 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

JEFFERSON COUNTY

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38",long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 1,106 ft, cased 0-1,017 ft, 1,033-1,053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.--Land surface, 202.42 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 246.65 ft below land surface, Apr. 25, 1984.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 18	239.05	Jan. 22	236.40	Mar. 19	240.35	May 19	229.90	Aug. 20	237.00
Nov. 20	236.10	Feb. 19	234.00	Apr. 21	233.80	June 18	231.80	Sep. 18	239.25
Dec. 21	235.70								

355905091043201. Local number, 16N01W34BDD1.
LOCATION.--Lat 35°59'05", long 91°04'32", Hydrologic Unit 11010013, near Minturn.
Owner: Roger Brumley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, depth 56 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum Of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

360420091035301. Local number, 17N01W34ADD1.
LOCATION.--Lat 36°04'20", long 91°03'53", Hydrologic Unit 11010009, near Portia.
Owner: Gary Barnhill.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, depth 30 ft.
DATUM.--Land surface, 259 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

LEE COUNTY

344203090411601. Local number, 01N04E09DCC1.
LOCATION.--Lat 34°42'03", long 90°41'16", Hydrologic Unit 08020203, near Marianna.
Owner: U.S. Geological Survey.
AQUIFER.--Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6-3 in, depth 1,885 ft, cased 0-1,865 ft, screened 1,865-1,885 ft.
DATUM.--Land surface, 204 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in pipe cap, 3.50 ft above land surface.
REMARKS.--Water-quality records for 1964 available in files of district office.
PERIOD OF RECORD.--September 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.92 ft below land surface, Nov. 23, 1964; lowest, 35.08 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 35.08 ft below land surface.

LITTLE RIVER COUNTY

333928094065401. Local number, 13S29W04CBC1.
LOCATION.--Lat 33°39'28", long 94°06'54", Hydrologic Unit 11140109, at Ashdown (city well No. 6).
Owner: City of Ashdown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-6 in, depth 95 ft, cased 0-65 ft screened, 65-95 ft.
DATUM.--Land surface, 327 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1981, June 1986, and June 1991 are available in files of district office.

LONOKE COUNTY

343230091495001. Local number, 02S08W13BBB1.
LOCATION.--Lat 34°32'30", long 91°49'50", Hydrologic Unit 08020401, near Humnoke.
Owner: Joe Dolen.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 20 in.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base south side, 0.70 ft above land surface.
PERIOD OF RECORD.--December 1954, March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.47 ft below land surface, Dec. 10, 1954; lowest, 46.95 ft below land surface, Apr. 26, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 46.95 ft below land surface.

343238091452401. Local number, 02S07W10CCB1.
LOCATION.--Lat 34°32'38", long 91°45'24", Hydrologic Unit 08020402, near Humnoke.
Owner: L.L. Wood.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 16 in.
DATUM.--Land surface, 201 ft National Geodetic Vertical Datum of 1929. Measuring point: Discharge pipe, 5.00 ft above land surface.
PERIOD OF RECORD.--April 1958, March 1960 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.68 ft below land surface, Apr. 7, 1958; lowest, 49.48 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 49.48 ft below land surface.

343628091514201. Local number, 01S08W22CBB1.
LOCATION.--Lat 34°36'28", long 91°51'42", Hydrologic Unit 08020401, near England.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, diameter 8 in.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side, 1.00 ft above land surface.
PERIOD OF RECORD.--February 1961 to March 1962, March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.75 ft below land surface, Apr. 24, 1961; lowest, 61.82 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 61.82 ft below land surface.

343817091431101. Local number, 01S07W11ADD1.
LOCATION.--Lat 34°38'17", long 91°43'11", Hydrologic Unit 08020402, near Hamilton.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, depth 130 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in cement east side, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.56 ft below land surface, Mar. 30, 1989; lowest, 85.43 ft below land surface, Apr. 26, 1991.
'EASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 85.43 ft below land surface.

344114091472001. Local number, 01N07W29BBB1.
LOCATION.--Lat 34°41'14", long 91°47'20", Hydrologic Unit 08020402, near Culler.
Owner: J.L. Ducharme.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 24 in.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base north side, 1.60 ft above land surface.
PERIOD OF RECORD.--August 1928 to May 1938, May 1940 to April 1941, April 1944, April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.94 ft below land surface, May 21, 1930; lowest, 106.78 ft below land surface, Apr. 26, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 106.78 ft below land surface.

344607091543401. Local number, 02N08W30CAB1.
LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
Owner: State Game and Fish Commission.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 135 ft.
DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--September 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft below land surface, Mar. 24, 1969; lowest, 124.24 ft below land surface, Aug. 20, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	120.15	118.31	117.94	117.13	116.33	115.92	120.18	117.90	118.51	121.31	123.10	121.22
10	119.64	118.45	117.67	116.84	116.28	118.11	119.34	117.09	118.45	120.85	123.31	121.06
15	119.29	118.36	117.37	115.99	116.96	---	118.97	117.15	118.20	121.52	123.89	121.09
20	119.03	118.04	117.00	115.85	116.51	---	119.16	117.47	119.08	122.45	124.20	121.77
25	119.07	117.94	117.79	116.46	116.53	---	118.14	118.92	120.20	122.46	123.22	120.73
EOM	118.67	118.31	117.32	117.01	116.47	---	113.28	119.16	121.04	122.30	121.57	120.66
MAX	120.15	118.62	118.15	117.48	117.21	---	---	---	121.04	122.90	124.24	122.22
MIN	118.67	117.84	116.33	115.76	115.83	---	---	---	118.18	120.57	121.57	120.66

344957091433801. Local number, 02N07W02BBA1.
LOCATION.--Lat 34°49'57", long 91°43'38", Hydrologic Unit 08020301, near Carlisle.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface, 233 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft above land surface.
PERIOD OF RECORD.--April 1984 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.60 ft below land surface, Mar. 27, 1986; lowest, 104.95 ft below land surface, Apr. 23, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 23, 1991, 104.95 ft below land surface.

345000091474502. Local number, 03N07W31CDD2.
LOCATION.--Lat 34°50'00", long 91°47'45", Hydrologic Unit 08020402, near Carlisle.
Owner: Southern Rice Farms.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface, 243 ft National Geodetic Vertical Datum of 1929. Measuring point: Gravel pipe in east side of pump, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.95 ft above land surface, Mar. 22, 1968; lowest, 110.28 ft below land surface, Apr. 23, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 23, 1991, 110.28 ft below land surface.

345004091523301. Local number, 02N08W04BBB1.
LOCATION.--Lat 34°50'04", long 91°52'33", Hydrologic Unit 08020204, near Lonoke.
Owner: Lawrence Hauk.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 24-12 in, depth 165 ft, screened 130-165 ft.
DATUM.--Land surface, 243 ft National Geodetic Vertical Datum of 1929. Measuring point: Wood plug in discharge pipe, 2.50 ft above land surface.
PERIOD OF RECORD.--November 1928 to March 1979, March 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.08 ft below land surface, Feb. 20, 1930; lowest, 102.59 ft below land surface, Mar. 28, 1988.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1991, 101.68 ft below land surface.

345150091521101. Local number, 03N08W28BAB2.
LOCATION.--Lat 34°51'50", long 91°52'11", Hydrologic Unit 08020301, near Lonoke.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface, 247 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in north side of PVC pipe, 0.30 ft above land surface.
PERIOD OF RECORD.--April 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.09 ft below land surface, Apr. 10, 1985; lowest, 97.19 ft below land surface, Apr.23, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 23, 1991, 97.19 ft below land surface.

345254091441501. Local number, 03N07W15DBC2.
LOCATION.--Lat 34°52'54", long 91°44'15", Hydrologic Unit 08020301, near Uzzell.
Owner: Tim McCallie.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well, depth 144.5 ft.
DATUM.--Land surface, 227 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut out on west side, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66.60 ft below land surface, Apr. 9, 1984; lowest, 70.08 ft below land surface, Apr. 23, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 23, 1991, 70.08 ft below land surface.

MISSISSIPPI COUNTY

353053090092801. Local number, 10N09E05CBD1.
LOCATION.--Lat 35°30'53", long 90°09'28", Hydrologic Unit 08020204, near Joiner.
Owner: H.P. Blair
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, diameter 2 in, depth 45 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for August 1990 are available in files of district office.

354033090055201. Local number, 12N09E11DBB1.
LOCATION.--Lat 35°40'33", long 90°05'52", Hydrologic Unit 08020203, at Keiser.
Owner: City of Keiser.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 1420 ft.
DATUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather pipe east side 3.00 ft above land surface.
PERIOD OF RECORD.--June 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.58 ft below land surface, June 14, 1966; lowest, 26.52 ft below land surface, Apr. 27, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 24, 1991, 26.13 ft below land surface.

355252090095701. Local number, 15N09E31ACD1.
LOCATION.--Lat 35°52'52", long 90°09'57", Hydrologic Unit 08020204, at Manila.
Owner: City of Manila.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,158 ft.
DATUM.--Land surface, 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Airline hole east side, 1.7 ft above land surface.
PERIOD OF RECORD.--March 1968 to April 1972, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.69 ft below land surface, Mar. 7, 1968; lowest, 28.53 ft below land surface, Apr. 10, 1990.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 28.44 ft below land surface.

355712089580201. Local number, 15N10E01ADD1.
LOCATION.--Lat 35°57'12", long 89°58'02", Hydrologic Unit 08020204, at Gosnell.
Owner: Town of Gosnell.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,373 ft.
DATUM.--Land surface, 248 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--June 1967, March 1970 to March 1973, April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.70 ft below land surface, Apr. 9, 1975; lowest, 21.64 ft below land surface, Apr. 10, 1990.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 19.88 ft below land surface.

355607090152601. Local number, 15N08E08DBC1.
LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
Owner: City of Leachville (city well No. 1).
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in, depth 1,083 ft cased 0-1,000 ft, screened 1,000-1,083 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1956 in files of district office.
PERIOD OF RECORD.--November 1958, March 1967 to March 1988, April 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.
MEASUREMENT FOR CURRENT YEAR.--April 25, 1991, 8.14 ft below land surface.

345201091072101. Local number, 03N01W20ABA1.
LOCATION.--Lat 34°52'01", long 91°07'21", Hydrologic Unit 08020304, near Garrett Grove.
Owner: C. E. Mitchell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 22-18 in.
DATUM.--Land surface, 189 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of cutout at land surface.
PERIOD OF RECORD.--July 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.70 ft below land surface, Apr. 4, 1975; lowest, 35.46 ft below land surface, Mar. 22, 1989.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1991, 34.66 ft below land surface.

345313091101401. Local number, 03N02W12CBC1.
LOCATION.--Lat 34°53'13", long 91°10'14", Hydrologic Unit 08020304, at Brinkley City Park.
Owner: U.S. Geological Survey
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 420 ft, screened 410-420 ft.
DATUM.--Land surface, 187.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
PERIOD OF RECORD.--June 1960, April 1967 to March 1987, April 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.32 ft below land surface, June 28, 1960; lowest, 27.14 ft below land surface, Mar. 21, 1991.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1991, 27.14 ft below land surface.

NEVADA COUNTY

334759093231302. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in, depth 232 ft, cased 0-172 ft, screened 172-232 ft.
DATUM.--Land surface, 306 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in pipe on northeast side of concrete base, 1.70 ft above land surface.
REMARKS.--Water-quality records for June 1981 , June 1986 and July 1991 are available in files of district office.
PERIOD OF RECORD.--May 1973 to April 1990.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.71 ft below land surface, Apr. 23, 1990; lowest, 138.42 ft below land surface, Apr. 9, 1974.

PHILLIPS COUNTY

343108090462601. Local number, 02S03E15ACD1.
LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.
Owner: Don R. Dearing.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 112 ft.
DATUM.--Land surface, 147 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--March 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft below land surface, Apr. 25, 1973; lowest, 18.40 ft below land surface, Aug. 22, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.49	15.42	15.06	13.06	12.02	8.83	10.27	6.63	9.05	14.47	17.56	17.64
10	15.40	15.38	14.96	12.00	11.14	10.12	9.59	7.46	10.27	14.64	17.79	17.42
15	15.33	15.29	14.93	11.53	11.77	10.92	6.59	8.13	11.41	14.98	17.89	17.05
20	15.28	15.29	14.55	11.46	10.25	11.56	7.26	8.37	13.95	16.18	18.19	16.82
25	15.25	15.32	14.19	11.53	9.47	12.06	8.21	9.16	13.82	16.50	18.28	16.54
EOM	15.29	15.20	13.49	12.03	9.73	11.39	6.37	9.03	14.29	16.89	17.69	16.40
MAX	15.56	15.46	15.16	13.38	12.21	12.17	11.27	9.16	14.41	16.89	18.40	17.93
MIN	15.24	15.20	13.49	11.39	9.33	8.83	6.31	6.29	9.02	14.46	17.05	16.40

WTR YR 1991 HIGH 6.29 MAY 1 LOW 18.40 AUG 22

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in, depth 302 ft, cased 0-260 ft, screened 260-302 ft.
DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south side of pump, 1.80 ft above land surface.
REMARKS.--Water-quality records for June 1970, March 1975, June 1982 , June 1986 and July 1991 are available in files of district office.
PERIOD OF RECORD.--March 1968 to April 1990.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft below land surface, Apr. 8, 1968; lowest, 75.07 ft below land surface, Apr. 18, 1990.

352946090440101. Local number, 10N03E14DAA1
LOCATION.--Lat 35°29'46", long 90°44'01", near Harrisburg.
Owner: Carl Miller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 16 in, depth 165 ft, screened 125-165 ft.
DATUM.--Land surface, 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in east side of pump, 1.50 ft above land surface.
PERIOD OF RECORD.--January 1957 to April 1977, March 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.45 ft below land surface, Apr. 15, 1959; lowest, 118.18 ft below land surface, Mar. 28, 1984.
MEASUREMENT FOR CURRENT YEAR.--May 9, 1991, 116.08 ft below land surface.

353152090251601. Local number, 11N06E35CDA3.
LOCATION.--Lat 35°31'52", long 90°25'16", Hydrologic Unit 08020203, at Marked Tree.
Owner: City of Marked Tree.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1301 ft.
DATUM.--Land surface, 215 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather pipe north side, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.01 ft below land surface, Apr. 11, 1968; lowest, 35.65 ft below land surface, Apr. 7, 1982.
MEASUREMENT FOR CURRENT YEAR.--May 10, 1991, 27.11 ft below land surface.

353713091000401. Local number, 11N01E04BBB1.
LOCATION.--Lat 35°37'13", long 91°00'04", Hydrologic Unit 08020203, near Amagon.
Owner: Clarence Mack.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, diameter 4 in, depth 100 ft.
DATUM.--Land surface, 234 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for August 1990 are available in files of district office.

353831090310401. Local number, 12N05E25CBB1.
LOCATION.--Lat 35°38'31", long 90°31'04", Hydrologic Unit 08020203, near Trumann.
Owner: Charles Riley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well, depth 35 ft.
DATUM.--Land surface, 219 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for August 1990 are available in files of district office.

PRAIRIE COUNTY

343644091355401. Local number, 01S06W13DCD1.
LOCATION.--Lat 34°36'44", long 91°35'54", Hydrologic Unit 08020402, near Slovak.
Owner: Ed Stoverson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 18 in, depth 126 ft.
DATUM.--Land surface 224 ft National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--August 1961, March 1967 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.74 ft below land surface, Aug. 31, 1967; lowest, 123.71 ft below land surface, Apr. 16, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 115.55 ft below land surface.

343722091310801. Local number, 01S05W14BBC1.
LOCATION.--Lat 34°37'22", long 91°31'08", Hydrologic Unit 08020303, near Stuttgart.
Owner: Bernard Berg.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 16 in, depth 118 ft.
DATUM.--Land surface 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of gravel pipe, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1965 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.60 ft below land surface, Mar. 29, 1965; lowest, 107.67 ft below land surface, Apr. 26, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 107.67 ft below land surface.

344201091412701. Local number, 01N06W18CDD1.
LOCATION.--Lat 34°42'01", long 91°41'27", Hydrologic Unit 08020303, near Hazen.
Owner: Roger Crowe.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 18 in.
DATUM.--Land surface 223 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in north side of pump, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1957 to April 1958, March 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.51 ft below land surface, Mar. 22, 1961; lowest, 116.75 ft below land surface, Apr. 26, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 116.75 ft below land surface.

344247091320901. Local number, 01N05W16AAA1.
LOCATION.--Lat 34°42'47", long 91°32'09", Hydrologic Unit 08020303, at Tollville.
Owner: T.B. Toll
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 22 in.
DATUM.--Land surface 218 ft National Geodetic Vertical Datum of 1929. Measuring point: Gravel slot in west side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--December 1961, January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.89 ft below land surface, Dec. 13, 1961; lowest, 112.20 ft below land surface, Mar. 26, 1986.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 107.88 ft below land surface.

344436091273701. Local number, 02N04W32CCB1.
LOCATION.--Lat 34°44'36", long 91°27'37", Hydrologic Unit 08020303, near DeValls Bluff.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 16 in.
DATUM.--Land surface 221 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in south side of pump base, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.97 ft below land surface, Mar. 29, 1974; lowest, 80.92 ft below land surface, Mar. 27, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 79.63 ft below land surface.

344544091330802. Local number, 02N05W29DBD2.
LOCATION.--lat 34°45'44", long 91°33'08", Hydrologic Unit 08020303, near Hazen
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface 228 ft National Geodetic Vertical Datum of 1929. Measuring point: North side of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.33 ft below land surface, Apr. 4, 1985; lowest, 109.84 ft below land surface, Apr. 10, 1989.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1991, 109.53 ft below land surface.

345454091363401. Local number, 03N06W01BCB1.
LOCATION.--Lat 34°54'54", long 91°36'34", Hydrologic Unit 08020301, near Childress.
Owner: Verron Van Houtess
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 16 in, depth 115 ft.
DATUM.--Land surface 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing south side at land surface.
PERIOD OF RECORD.--April 1954 to April 1956, March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.84 ft below land surface, Apr. 26, 1954; lowest, 77.45 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 77.45 ft below land surface.

345655091324201. Local number, 04N05W21DDD1.
LOCATION.--Lat 34°56'55", long 91°32'42", Hydrologic Unit 08020301, near Des Arc.
Owner: Wayne Tate.
AQUIFER,--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well.
DATUM.--Land surface 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in north side of pump base, 0.50 ft above land surface.
PERIOD OF RECORD.--December 1954 to March 1962, March 1966 to March 1988, March 1990 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.19 ft below land surface, Mar. 28, 1958; lowest, 55.54 ft below land surface, Mar. 23, 1990.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 54.07 ft below land surface.

345728091391701. Local number, 04N06W21BCC1.
LOCATION.--Lat 34°57'28", long 91°39'17", Hydrologic Unit 08020301, near Des Arc.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well.
DATUM.--Land surface 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Inspection plate southwest corner, 0.50 ft above land surface.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.58 ft below land surface, Apr. 8, 1975; lowest 70.07 ft below land surface, Apr. 25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 70.07 ft below land surface.

345843091344601. Local number, 04N05W07CDC1.
LOCATION.--Lat 34°58'43", long 91°34'46", Hydrologic Unit 08020301, near Des Arc.
Owner: Fred Rodgers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water table well, diameter 18 in.
DATUM.--Land surface 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base ring east side, 0.50 ft above surface.
PERIOD OF RECORD.--December 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.73 ft below land surface, Apr. 2, 1968; lowest, 69.00 ft below land surface, Apr.25, 1991.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 69.00 ft below land surface.

350252091303401. Local number, 05N05W14DCD1.
LOCATION.--Lat 35°02'52", long 91°30'34", Hydrologic Unit 08020301, near Des Arc.
Owner: J.W. Uland.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 6 in.
DATUM.--Land surface 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Pump base west side, 1.50 ft above land surface.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.05 ft below land surface, Apr. 8, 1975; lowest, 36.72 ft below land surface, Mar. 30, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1991, 29.56 ft below land surface.

ST. FRANCIS COUNTY

345628090274301. Local number, 04N06E21ADD1.
LOCATION.--Lat 34°56'28", long 90°27'43", Hydrologic Unit 08020203, near Hughes.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation well.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

345650090280802. Local number, 04N06E21BAD2.
LOCATION.--Lat 34°56'50", long 90°28'08", Hydrologic Unit 08020203, at Hughes.
Owner: City of Hughes.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1740 ft.
DATUM.--Land surface, 201 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening, 3.00 ft above land surface.
PERIOD OF RECORD.--November 1966 to March 1980, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.00 ft below land surface, Apr. 17, 1967; lowest, 33.38 ft below land surface, May 10, 1991.
MEASUREMENT FOR CURRENT YEAR.--May 10, 1991, 33.38 ft below land surface.

345716090533301. Local number, 04N02E16DAC1.
LOCATION.--Lat 34°57'16", long 90°53'33", Hydrologic Unit 08020205, near Palestine.
Owner: Dave White.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well.
DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

UNION COUNTY

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.-Land surface, 182.93 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft below land surface, Apr. 20, 1956; lowest, 363.97 ft below land surface, May 31, 1991.
MEASUREMENTS FOR CURRENT YEAR.--May 31, 1991, 363.97 ft below land surface.

330855092505601. Local number 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'56", Hydrologic Unit 08040206, near Shuler.
Owner: H. G. McKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 705 ft, cased 0-605 ft, screened 605-705 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.20 ft above land surface.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft below land surface, Apr. 3, 1968; lowest, 353.65 ft below land surface, Sept. 29, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	350.16	350.22	350.27	350.17	350.20	350.02	350.40	350.40	351.03	351.65	352.51	353.10
10	350.20	350.19	350.25	350.01	350.27	350.36	350.38	350.57	351.19	351.80	352.65	353.27
15	350.22	350.29	350.14	349.89	350.37	350.32	350.27	350.60	351.25	352.01	352.79	353.37
20	350.25	350.23	350.01	350.09	350.28	350.27	350.35	350.75	351.33	352.14	352.90	353.57
25	350.26	350.16	350.20	350.25	350.26	350.35	350.31	350.77	351.42	352.25	353.06	353.54
EOM	350.33	350.29	350.19	350.39	350.20	350.43	350.32	350.89	351.55	352.36	353.08	353.65
MAX	350.34	350.34	350.32	350.39	350.43	350.43	350.42	350.89	351.55	352.36	353.14	353.65
MIN	350.04	350.09	349.92	349.89	350.09	349.97	350.11	350.35	350.93	351.57	352.38	353.10

WTR YR 1991 HIGH 349.89 JAN 15 LOW 353.65 SEP 29

360509094224101. Local number, 16N32W09ABD1.
LOCATION.--Lat 36°05'09", long 94°22'41", Hydrologic Unit 11140109, at Lake Wedington.
Owner: U.S. Forrest Service.
AQUIFER.--Gunter Sandstone Member of the Van Buren Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,815 ft, cased 0-253 ft.
DATUM.--Land surface, 1,135 ft National Geodetic Vertical Datum of 1929.
PERIOD OF RECORD.--May 1968, November 1971 to December 1975, May 1977 to April 1983, April 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft below land surface, May 24, 1968; lowest, 131.96 ft below land surface, Mar. 29, 1991.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1991, 131.96 ft below land surface.

WOODRUFF COUNTY

350700091164701. Local number, 06N03W26ACB2.
LOCATION.--Lat 35°07'00", long 91°16'47", Hydrologic Unit 08020302, near Cotton Plant.
Owner: Donald Cain.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well.
DATUM.--Land surface, 195 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in files of district office.

351245091202501. Local number, 07N03W29BBB1.
LOCATION.--Lat 35°12'45", long 91°20'25", Hydrologic Unit 08020301, near Gregory.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled domestic well.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for July 1991 are available in district office.

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, depth 110 ft, cased 0-80 ft, screened 80-110 ft.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft below land surface, Dec. 10, 1959; lowest, 22.94 ft below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1991, 17.56 ft below land surface.

Analyses of samples collected statewide are given in the following tables. The analyses are grouped by counties.

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

GEOLOGIC UNIT	AQUIFER NAME
110ALVM	QUATERNARY ALLUVIUM

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CLAY COUNTY

361253090170801 - 18N07E11AAA1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
JUL 31...	1400	80513	80020	110ALVM	177	17.0	53	13	5.0	10	29

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 31...	1400	0.6	1.2	22	7.4	<0.10	27	142	130	0.19	6.60

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 31...	1400	0.050	0.15	130	<0.5	40	<1.0	<5	<3	<10	<3

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
JUL 31...	1400	<10	<4	12	<10	10	<1.0	230	<6	8	<0.1

DATE	TIME	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRAZINE, TOTAL (UG/L) (39630)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)
JUL 31...	1400	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)
JUL 31...	1400	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CLAY COUNTY--CONTINUED

361253090170801 - 18N07E11AAA1--CONTINUED

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
JUL 31...	1400	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
JUL 31...	1400	<0.01	<0.50	<0.01	0.40	<0.10	<0.10	<0.01	<0.01	<0.5

362515090434702 - 21N03E35BCC2

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
JUL 31...	1130	80513	80020	110ALVM	900	18.0	340	100	22	67	30

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 31...	1130	2	3.1	45	120	0.40	32	575	573	0.78	<0.050

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 31...	1130	<0.010	1200	<0.5	80	2.0	<5	30	<10	6400	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
JUL 31...	1130	20	1900	<10	<10	2.0	540	<6	<3	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
JUL 31...	1130	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CLAY COUNTY--CONTINUED

362515090434702 - 21N03E35BCC2--CONTINUED

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
JUL 31...	1130	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
JUL 31...	1130	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
JUL 31...	1130	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
JUL 31...	1130	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

CRAIGHEAD COUNTY

354819090254501 - 14N06E34AAA1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	0750	80513	80020	110ALVM	118	17.5	49	12	4.5	6.7	22

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 01...	0750	0.4	1.9	22	4.3	<0.10	23	100	106	0.14	3.50

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 01...	0750	0.050	0.15	92	<0.5	20	<1.0	<5	6	<10	160

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CRAIGHEAD COUNTY--CONTINUED

354819090254501 - 14N06E34AAA1--CONTINUED

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	0750	<10	5	150	<10	20	<1.0	160	<6	16	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
AUG 01...	0750	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
AUG 01...	0750	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	0750	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	0750	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	0.02	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	0750	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

355049090181701 - 14N07E12CCC1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	0900	80513	80020	110ALVM	136	17.5	180	54	11	6.2	6

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CRAIGHEAD COUNTY--CONTINUED

355049090181701 - 14N07E12CCC1--CONTINUED

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 01...	0900	0.2	14	31	4.7	<0.10	16	231	263	0.31	2.00

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 01...	0900	0.040	0.12	150	<0.5	40	<1.0	<5	<3	<10	<3

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	0900	<10	7	550	<10	<10	<1.0	260	<6	<3	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
AUG 01...	0900	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
AUG 01...	0900	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	0900	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	0900	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CRAIGHEAD COUNTY--CONTINUED

355049090181701 - 14N07E12CCC1--CONTINUED

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	0900	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

355324090271001 - 15N06E33BAD1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	1030	80513	80020	110ALVM	120	17.0	53	13	4.9	5.2	17

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 01...	1030	0.3	1.6	24	5.7	<0.10	30	119	122	0.16	4.20

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 01...	1030	0.020	0.06	130	<0.5	10	1.0	<5	9	<10	570

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	1030	<10	4	92	<10	20	<1.0	210	<6	17	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
AUG 01...	1030	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
AUG 01...	1030	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CRAIGHEAD COUNTY--CONTINUED

355324090271001 - 15N06E33BAD1--CONTINUED

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	1030	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	1030	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	1030	0.2	<0.1	<0.01	<0.1	0.3	<0.10	<0.5	<0.1	<0.10

355607090213501 - 15N07E09CCC1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
JUL 31...	1630	80513	80020	110ALVM	393	16.0	160	43	13	14	15

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 31...	1630	0.5	14	57	29	0.30	23	299	287	0.41	11.0

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JUL 31...	1630	0.350	1.1	250	<0.5	40	<1.0	<5	9	<10	12

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
JUL 31...	1630	<10	6	680	<10	20	<1.0	440	<6	15	<0.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CRAIGHEAD COUNTY--CONTINUED

355607090213501 - 15N07E09CCC1--CONTINUED

DATE	TIME	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRAZINE, TOTAL (UG/L) (39630)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)
JUL 31...	1630	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)
JUL 31...	1630	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	SIMAZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
JUL 31...	1630	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALACHLOR TOTAL RECOVER (UG/L) (77825)	AMETRYNE TOTAL (82184)	CYANAZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DISYSTON TOTAL (UG/L) (39011)	METHOMYL TOTAL (UG/L) (39051)
JUL 31...	1630	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLACHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRIBUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROMETONE TOTAL (UG/L) (39056)	PROMETRYNE TOTAL (UG/L) (39057)	PROPAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIMETRYNE TOTAL (UG/L) (39054)	TRIFLURALIN TOTAL RECOVER (UG/L) (39030)
JUL 31...	1630	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

GREENE COUNTY

360729090180201 - 17N07E11ABA1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
JUL 31...	1500	80513	80020	110ALVM	180	17.0	70	16	7.3	6.9	17

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 31...	1500	0.4	1.9	26	11	<0.10	22	135	144	0.18	3.90

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

GREENE COUNTY--CONTINUED

360729090180201 - 17N07E11ABA1--CONTINUED

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JUL 31...	1500	0.020	0.06	220	<0.5	30	1.0	<5	10	<10	250

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
JUL 31...	1500	<10	5	3700	<10	20	<1.0	210	<6	10	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
JUL 31...	1500	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
JUL 31...	1500	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
JUL 31...	1500	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
JUL 31...	1500	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
JUL 31...	1500	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MISSISSIPPI COUNTY

353053090092801 - 10N09E05CBD1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	1430	80513	80020	110ALVM	500	18.0	270	74	21	9.1	7

DATE	TIME	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
AUG 01...	1430	0.2	4.6	<1.0	17	0.20	51	341	<0.100	0.010	0.03

DATE	TIME	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
AUG 01...	1430	310	<0.5	90	3.0	<5	<3	<10	12000	<10

DATE	TIME	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	1430	20	420	<10	<10	<1.0	420	<6	64	<0.1

DATE	TIME	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRAZINE, TOTAL (UG/L) (39630)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)
AUG 01...	1430	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)
AUG 01...	1430	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	SIMAZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	1430	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MISSISSIPPI COUNTY--CONTINUED

353053090092801 - 10N09E05CBD1--CONTINUED

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	1430	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	1430	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

POINSETT COUNTY

353713091000401 - 11N01E04BBB1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	1715	80513	80020	110ALVM	720	17.5	300	86	21	41	23

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 01...	1715	1	3.3	60	58	0.30	35	480	463	0.65	<0.100

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
AUG 01...	1715	<0.010	390	<0.5	120	2.0	<5	<3	<10	10000	10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	1715	15	1400	<10	<10	<1.0	360	<6	<3	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
AUG 01...	1715	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

POINSETT COUNTY--CONTINUED

353713091000401 - 11N01E04BBB1--CONTINUED

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
AUG 01...	1715	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	1715	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	1715	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	1715	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

353831090310401 - 12N05E25CBB1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
AUG 01...	1245	80513	80020	110ALVM	278	17.0	140	42	9.4	8.6	11

DATE	TIME	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 01...	1245	0.3	0.80	28	15	<0.10	28	196	208	0.27	<0.100

DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 01...	1245	0.080	0.25	71	<0.5	10	<1.0	<5	<3	<10	240

WATER-QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

POINSETT COUNTY--CONTINUED

353831090310401 - 12N05E25CBB1--CONTINUED

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)
AUG 01...	1245	<10	8	940	<10	<10	<1.0	120	<6	4	<0.1

DATE	TIME	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, TOTAL (UG/L) (39630)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)
AUG 01...	1245	<0.10	<0.010	<0.10	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010

DATE	TIME	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)
AUG 01...	1245	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01

DATE	TIME	METHYL TRI-THION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)	SIMA-ZINE TOTAL (UG/L) (39055)	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)
AUG 01...	1245	<0.01	<0.01	<0.01	<0.1	<0.10	<0.01	<1	<0.01	<0.01

DATE	TIME	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (82184)	CYAN-AZINE TOTAL (UG/L) (81757)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	METHO-MYL TOTAL (UG/L) (39051)
AUG 01...	1245	<0.01	<0.50	<0.01	<0.10	<0.10	<0.10	<0.01	<0.01	<0.5

DATE	TIME	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI-BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PHORATE TOTAL (UG/L) (39023)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURA-LIN TOTAL RECOVER (UG/L) (39030)
AUG 01...	1245	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	<0.5	<0.1	<0.10

Analyses of samples collected statewide are given in the following tables. The analyses are grouped by counties.

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

GEOLOGIC UNIT	AQUIFER NAME	GEOLOGIC UNIT	AQUIFER NAME
110ALVM	QUATERNARY ALLUVIUM	367GNTR	GUNTER SANDSTONE MEMBER OF VAN BUREN FORMATION, LOWER ORDOVICIAN
112TRRC	TERRACE DEPOSITS	12405MP	MEMPHIS AQUIFER
211NCTC	NACOTOCH SAND, MESOZOIC		

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

CHICOT COUNTY

332613091255101 - 14S03W32DCB1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 23...	1115	80513	80020	110ALVM	470	6.8	18.0	180	52	11	17

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 23...	1115	17	0.6	1.7	245	12	22	0.20	32	253	312

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
JUL 23...	1115	0.34	<0.020	<0.010	270	<0.5	40	2.0	<5	10	<10

CRITTENDEN COUNTY

351133090083201 - 07N09E28CDA1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 16...	1300	80513	80020	110ALVM	480	7.1	17.0	240	62	20	9.6

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
JUL 16...	1300	8	0.3	2.6	266	<0.10	7.1	0.30	30	274	420

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL 16...	1300	0.5	30	2.0	<5	<3	<10	10000	<10	9	310

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

CRITTENDEN COUNTY--CONTINUED

351133090083201 - 07N09E28CDA1--CONTINUED

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)
JUL 16...	1300	<10	<10	<1.0	260	<6	9	<0.1	<0.10	<0.010	<0.05

DATE	TIME	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)
JUL 16...	1300	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01

DATE	TIME	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALATHION, TOTAL (UG/L) (39530)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)
JUL 16...	1300	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALACHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDICARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 16...	1300	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDICARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICARB SULFOXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBOFURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLORDYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DISYSTON TOTAL (UG/L) (39011)	FONOFOS (DYFONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBOFURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 16...	1300	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIOCARB WATER WHOLE RECOV. (UG/L) (30282)	METHOMYL TOTAL (UG/L) (39051)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPHTHOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPOXUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 16...	1300	<0.5	<0.5	0.1	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

352533090171201 - 09N08E06CCC1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL 16...	1100	80513	80020	110ALVM	153	7.8	21.0	4	1.3	0.19	42

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

CRITTENDEN COUNTY--CONTINUED

352533090171201 - 09N08E06CCC1--CONTINUED

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 16...	1100	95	9	0.80	84	1.1	0.40	0.20	11	98	108

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 16...	1100	0.13	10	<0.5	100	1.0	<5	<3	<10	250	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 16...	1100	6	16	<10	<10	<1.0	41	<6	26	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 16...	1100	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 16...	1100	<0.01	<0.010	<0.010	<0.010	0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 16...	1100	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 16...	1100	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

CRITTENDEN COUNTY--CONTINUED

352533090171201 - 09N08E06CCC1--CONTINUED

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 16...	1100	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

FULTON COUNTY

362219091492101 - 20N08W27AAB1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL 22...	1035	80513	80020	367GNTR	500	7.3	17.0	240	50	28

DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUL 22...	1035	1.3	1	0.0	1.3	245	1.8	1.4	<0.10

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
JUL 22...	1035	9.2	218	240	0.30	0.120	<0.010	<20	20

JACKSON COUNTY

353012091092801 - 10N02W12CCC1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 15...	1715	80513	80020	110ALVM	625	7.5	22.0	280	80	19	27

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 15...	1715	17	0.7	2.0	308	21	12	0.20	36	349	387

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

JACKSON COUNTY--CONTINUED

353012091092801 - 10N02W12CCC1--CONTINUED

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 15...	1715	0.47	410	<0.5	30	1.0	<5	<3	<10	3800	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 15...	1715	11	680	<10	<10	2.0	280	<6	54	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 15...	1715	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 15...	1715	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 15...	1715	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 15...	1715	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 15...	1715	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

JACKSON COUNTY--CONTINUED

354954091075901 - 14N01W19CDA1

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GEO- LOGIC UNIT	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
JUL 15...	1520	80513	80020	110ALVM	295	6.6	22.0	100	28	8.3	19

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
JUL 15...	1520	28	0.8	3.5	104	35	9.5	0.10	41	196	214

DATE	TIME	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUL 15...	1520	0.27	570	<0.5	20	2.0	<5	5	10	3300	10

DATE	TIME	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)
JUL 15...	1520	<4	1500	<10	20	4.0	270	<6	1200	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- AZINON, TOTAL (UG/L) (39570)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 15...	1520	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA- THION, TOTAL (UG/L) (39540)	PER- THANE TOTAL (UG/L) (39034)
JUL 15...	1520	<0.01	<0.010	<0.010	<0.010	0.06	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX- APHENE, TOTAL (UG/L) (39400)	TOTAL TRI- THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 15...	1520	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

JACKSON COUNTY--CONTINUED

354954091075901 - 14N01W19CDA1--CONTINUED

DATE	TIME	ALDICARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICARB SULFOXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBOFURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLORDYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DISYSTON TOTAL (UG/L) (39011)	FONOFOS (DYFONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRXCARBOFURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 15...	1520	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIOCARB WATER WHOLE RECOV. (UG/L) (30282)	METHOMYL TOTAL (UG/L) (39051)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPHTHOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPOXUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 15...	1520	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

LAWRENCE COUNTY

355905091043201 - 16N01W34BDD1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL 15...	1400	80513	80020	110ALVM	530	7.2	17.0	180	55	9.8	20

DATE	TIME	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
JUL 15...	1400	19	0.7	2.0	198	28	9.1	0.20	41	288	291

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
JUL 15...	1400	0.39	420	<0.5	10	<1.0	<5	<3	<10	4800	<10

DATE	TIME	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)
JUL 15...	1400	8	1800	<10	<10	1.0	160	<6	18	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 15...	1400	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LAWRENCE COUNTY--CONTINUED

355905091043201 - 16N01W34BDD1--CONTINUED

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 15...	1400	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 15...	1400	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 15...	1400	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 15...	1400	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

360420091035301 - 17N01W34ADD1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 15...	1010	80513	80020	110ALVM	115	5.8	20.0	34	10	2.2	6.1

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 15...	1010	26	0.5	2.8	18	16	2.7	<0.10	25	90	76

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 15...	1010	0.12	270	<0.5	<10	2.0	<5	20	<10	100	<10

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LAWRENCE COUNTY--CONTINUED

360420091035301 - 17N01W34ADD1--CONTINUED

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 15...	1010	<4	13	<10	60	<1.0	200	<6	15	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 15...	1010	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 15...	1010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 15...	1010	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 15...	1010	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 15...	1010	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

LITTLE RIVER COUNTY

333928094065401 - 13S29W04CBC1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL 24...	1150	80513	80020	112TRRC	800	6.9	18.0	210	60	14

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LITTLE RIVER COUNTY--CONTINUED

333928094065401 - 13S29W04CBC1--CONTINUED

DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUL 24...	1150	32	25	1	1.3	212	20	46	0.20

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
JUL 24...	1150	30	350	342	0.48	2.40	0.140	0.43	230

DATE	TIME	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 24...	1150	<0.5	50	<1.0	<5	<3	<10	<3	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JUL 24...	1150	19	<1	<10	<10	<1.0	350	<6	15

NEVADA COUNTY

334759093231302 - 11S22W08DAC2

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUL 25...	1010	80513	80020	111NCTC	485	7.5	19.0	220	45	25

DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUL 25...	1010	2.4	2	0.1	3.2	240	14	15	0.10

DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
JUL 25...	1010	8.0	313	257	0.43	<0.020	0.060	0.18	19

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

NEVADA COUNTY--CONTINUED

334759093231302 - 11S22W08DAC2--CONTINUED

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)
JUL 25...	1010	<0.5	90	<1.0	<5	<3	<10	4	<10

DATE	TIME	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
JUL 25...	1010	<4	<1	10	<10	<1.0	32	<6	5

POINSETT COUNTY

352930090582501 - 10N01E15DBB1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GEOLOGIC UNIT	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUL 22...	1410	80513	80020	12405MP	520	7.3	17.0	180	52	13	37

DATE	TIME	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
JUL 22...	1410	30	1	3.2	262	<0.20	21	0.20	18	300	0.040

DATE	TIME	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)
JUL 22...	1410	0.060	0.18	210	<0.5	40	<1.0	<5	<3	<10	1700

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
JUL 22...	1410	<10	6	140	<10	<10	<1.0	400	<6	17

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

ST FRANCIS COUNTY

345628090274301 - 04N06E21ADD1

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GEO- LOGIC UNIT	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
JUL 17...	1030	80513	80020	110ALVM	200	7.5	20.0	1	0.32	0.06	53

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
JUL 17...	1030	99	23	0.50	138	0.80	13	0.20	13	126	164

DATE	TIME	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JUL 17...	1030	0.17	<2	0.5	160	<1.0	<5	<3	<10	26	<10

DATE	TIME	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)
JUL 17...	1030	<4	<1	<10	<10	<1.0	7	<6	7	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- AZINON, TOTAL (UG/L) (39570)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 17...	1030	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA- THION, TOTAL (UG/L) (39540)	PER- THANE TOTAL (UG/L) (39034)
JUL 17...	1030	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX- APHENE, TOTAL (UG/L) (39400)	TOTAL TRI- THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA- CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 17...	1030	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

ST FRANCIS COUNTY--CONTINUED

345628090274301 - 04N06E21ADD1--CONTINUED

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 17...	1030	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 17...	1030	<0.5	<0.5	2.2	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

345716090533301 - 04N02E16DAC1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 17...	1310	80513	80020	110ALVM	610	7.3	17.0	310	77	28	35

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 17...	1310	20	0.9	0.90	410	5.7	16	0.20	34	376	448

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 17...	1310	0.51	110	<0.5	10	1.0	<5	<3	50	4400	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 17...	1310	7	26	<10	<10	<1.0	200	<6	480	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 17...	1310	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

ST FRANCIS COUNTY--CONTINUED

345716090533301 - 04N02E16DAC1--CONTINUED

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 17...	1310	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 17...	1310	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 17...	1310	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 17...	1310	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

WOODRUFF COUNTY

350700091164701 - 06N03W26ACB2

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 18...	1030	80513	80020	110ALVM	235	5.2	16.0	87	23	7.1	15

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 18...	1030	27	0.7	2.4	10	31	9.1	0.10	36	160	131

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 18...	1030	0.22	230	<0.5	20	<1.0	<5	7	<10	490	<10

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WOODRUFF COUNTY--CONTINUED

350700091164701 - 06N03W26ACB2--CONTINUED

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 18...	1030	6	420	<10	30	<1.0	300	<6	23	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 18...	1030	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 18...	1030	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 18...	1030	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 18...	1030	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL 18...	1030	<0.5	<0.5	25.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

351245091202501 - 07N03W29BBB1

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	GEO-LOGIC UNIT	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JUL 18...	1230	80513	80020	110ALVM	211	6.1	19.0	57	15	4.6	13

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WOODRUFF COUNTY--CONTINUED

351245091202501 - 07N03W29BBB1--CONTINUED

DATE	TIME	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
JUL 18...	1230	30	0.8	7.4	18	21	5.0	<0.10	29	148	106

DATE	TIME	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JUL 18...	1230	0.20	120	0.5	30	<1.0	<5	<3	20	14	<10

DATE	TIME	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	PCB, TOTAL (UG/L) (39516)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)
JUL 18...	1230	<4	1	<10	10	<1.0	270	<6	33	<0.1	<0.10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-AZINON, TOTAL (UG/L) (39570)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)
JUL 18...	1230	<0.010	<0.05	<0.1	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010

DATE	TIME	ETHION, TOTAL (UG/L) (39398)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA-THION, TOTAL (UG/L) (39530)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL PARA-THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA-THION, TOTAL (UG/L) (39540)	PER-THANE TOTAL (UG/L) (39034)
JUL 18...	1230	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TIME	2, 4-DP TOTAL (UG/L) (82183)	TOX-APHENE, TOTAL (UG/L) (39400)	TOTAL TRI-THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SEVIN, TOTAL (UG/L) (39750)	SILVEX, TOTAL (UG/L) (39760)	ALA-CHLOR (LASSO) WATER DISSOLV (UG/L) (46342)	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)
JUL 18...	1230	<0.01	<1	<0.01	<0.01	<0.01	<0.50	<0.01	<0.0	<0.5

DATE	TIME	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF-OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR-DYRIFOS TOTAL RECOVER (UG/L) (38932)	DEF TOTAL (UG/L) (39040)	DI-SYSTON TOTAL (UG/L) (39011)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L (82614)	3-HYDRX CARBO-FURAN WATER WHOLE TOT.REC (UG/L) (82584)
JUL 18...	1230	<0.5	<0.5	<0.05	<0.5	<0.01	<0.01	<0.01	<0.0	<0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WOODRUFF COUNTY--CONTINUED

351245091202501 - 07N03W29BBB1--CONTINUED

DATE	TIME	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	1-NAPH-THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO-XUR WATER WHOLE RECOV. (UG/L) (30296)
JUL										
18...	1230	<0.5	<0.5	<0.0	<0.0	<0.5	<0.5	<0.01	<0.5	<0.5

00040380 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.

NOTE.--Precipitation-quality records are not available for this site for this water year. The data will be published in subsequent reports.

LOCATION.--Lat 34 10'45", long 93 05'54", in NW/ NW/ sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to September 1990.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain onsite precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) Coordinator. Additional data are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Colorado 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey.

Page

Antoine River at Antoine 401
Arkansas River at Dam No. 2, near Gillett 340
at Dam No. 9, near Oppelo 305
at Dardanelle 293
at David D. Terry Lock and Dam, below Little Rock 325
at James W. Trimble Lock and Dam, near Van Buren 274
at Lock and Dam 4 near Pine Bluff 331
at Lock and Dam 5 near Wright 329
at Murray Dam at Little Rock 322
at Ozark Dam at Ozark 282
at Toad Suck Ferry Dam, near Conway 310
at Van Buren 272

Baron Fork at Dutch Mills 260
Bayou Bartholomew at Garrett Bridge 438
near Ladd 436
near McGehee 439
Bayou De Loutre near El Dorado 440
Bayou DeView at Morton 234
near Gibson 232
Bayou Dorcheat near Taylor 377
Bayou Macon at Eudora 445
Bayou Meto near Bayou Meto 338
near Jacksonville 335
near Lonoke 337
near North Little Rock 333
Bayou Two Prairie near Furlow..... 451
Bear Creek near Horatio 353
near Royal..... 452
Beaver Lake at Highway 12 Bridge near Rogers 462
at Highway 68 Bridge near Sonora 458
at Monte Ne, Arkansas..... 461
at Rogers Water Intake near Lowell 460
at War Eagle, Arkansas..... 459
near Avoca, Arkansas..... 465
near Eureka Springs 91
on Prairie Creek near Rogers 464
Bell Creek near Hollywood..... 453
Big Creek at Goodwin..... 448
at Poplar Grove 241
near Crow..... 453
near Jonesboro..... 448
near Pansy 430
near Sheridan 428
tributary at Magnolia..... 452
tributary near Boydsville..... 448
Big Piney Creek at Highway 164 near Dover 289
near Dover 288
Black River at Black Rock 193
at Clearwater Dam, Missouri..... 503
at Elgin Ferry..... 447
at Pocahontas 177,447
below Annapolis, Missouri..... 499
near Corning 174
Blue Mountain Lake at Ashley Creek near Waveland 517
at Sugar Grove 515
at The Narrows 515
near Sugar Grove 516
near Waveland 518
Boat Gunwale Slash near Holly Grove 239
Bodcau Creek near Lewisville 379
Brogan Creek near Rover..... 450
Brush Creek near Mammoth Spring..... 447
Buffalo River near St. Joe 135
Bull Shoals Lake above Pine Branch at Indian Point 486
at Forsyth, Missouri..... 476
at Highway 160 near Theodosia, Missouri..... 485
at Jimmie Creek near Bull Shoals 488
below Big Music Creek near Midway (Fish Pens). 480
below Big Music Creek near Midway (Log Boom).. 482
below Big Music Creek near Midway (Mouth)..... 483
near Buck Creek 478
near Flippin 116
on Fox Creek near Missouri-Arkansas State Line..... 477
on Howard Creek near Lakeview 490
Butler Creek near Sulphur Springs 246

Cache River at Egypt 227
at Patterson 228
near Cotton Plant 231
Caddo River near Amity 393
near Caddo Gap 389

Page

Cadron Creek near Conway..... 450
near Guy 309
Caney Creek tributary near El Dorado..... 454
Chickalah Creek at Chickalah 303
Choctaw Creek tributary near Choctaw..... 448
Clark Corner Cutoff near Colt 69
Clear Creek at Johnson 252
Clearwater Lake above Finley Branch, Missouri... 500
at Carter Hollow, Missouri..... 501
at Clearwater Dam, Missouri..... 503
near Carter Spring on Webb Creek, Missouri.... 502
Cockle Burr Slough Ditch near Monette 53
Coleman Creek at Little Rock..... 451
Cornie Bayou near Three Creeks.....442,454
Cossatot River near DeQueen..... 451
near Umpire 363
near Vandervoort 358
Cove Creek near Lee Creek..... 449
Crooked Creek at Harrison 128
at Yellville 132
near Harrison 130
Cross County Ditch near Birdeye 62
Current River near Pocahontas 175

Days Creek southeast of Texarkana 373
Deep Bayou near Grady..... 454
DeQueen Lake at Bellah Creek near Kellum..... 526
at Robinson Creek near Gillham 525
near DeQueen 528
Derrieusseaux Creek near Grapevine..... 453
Dill Branch tributary near Ida..... 448
Dillard Creek near Nashville..... 452
Dunn Creek near Hampton..... 453
Dutch Creek at Shark 300
at Waltreak..... 450

East Fork Point Remove Creek tributary near Saint Vincent 450
East Sugarloaf tribtary near Lead Hill..... 447
Eleven Point River near Pocahontas 191
near Ravenden Springs 190

Ferguson Creek near Ravenden Springs..... 447
Flint Creek at Springtown 258
near West Siloam Springs, Oklahoma 259
Fourche Creek at Red Gate..... 451
Fourche LaFave River near Aplin..... 451
near Houston..... 451
near Nimrod..... 450
Fourche LaFave tributary near Perryville..... 451
Fourche LaFave River near Gravelly 312
near Nimrod 524
Frog Bayou at Rudy..... 449

Gillham Lake (Opossum Ck. Arm) near Duckett 532
above Coon Creek near Dierks 533
at Duckett Ford near Umpire 531
near Gillham 535
Glaise Creek near Bradford..... 447
Grassy Flat Creek at Little Rock..... 451
Greers Ferry Lake above Hill Creek 506
at Brush Creek 504
at Higden 511
near Choctaw 509
near Clinton 508
near Eden Isle 513
near Heber Springs 206
Ground-water levels (by counties)
Arkansas 539
Ashley 540
Bradley 541
Calhoun 541
Chicot 542
Clay 542
Cleveland 543
Craighead 543
Crittenden 544
Cross 544
Dallas 545
Desha 545
Drew 545
Fulton 545
Garland 545
Greene 546
Jackson 546
Jefferson 546
Lawrence 547
Lee 547
Little River 547

Page

Ground-water levels (by counties)--continued
Lonoke 547
Mississippi 549
Monroe 550
Nevada 550
Phillips 550
Poinsett 550
Prairie 551
St. Francis 553
Union 553
Washington 554
Woodruff 554
Ground-water quality data (by counties)
Chicot 568
Clay 555
Craighead 557
Crittenden 568
Fulton 571
Greene 562
Jackson 571
Lawrence 574
Little River 576
Mississippi 564
Nevada 577
Poinsett 565,578
St Francis 579
Woodruff 581

Hicks Creek near Mountain Home 138
Holly Creek at Dierks 368
east of Dierks 366
Holman Creek near Huntsville 89
Hurricane Creek near Sardis 424
near Sheridan 426

Illinois Bayou near Dover 291
near Scottsville Ark..... 449
Illinois River at Savoy 250
near Siloam Springs 256

James Fork near Hackett 268
Jug Creek near Fordyce 414

Key Branch near Searcy..... 448
Kings River near Berryville..... 446
near Berryville 104

L'Aigle Creek tributary near Hermitage..... 453
L'Anguille River at Marianna 80
near Colt 73
L'Eau Frais at Joan..... 452
Lake Taneycomo at Branson, Missouri..... 475
Lee Creek near Lee Creek..... 449
near Van Buren 271
Lewis Creek tributary near Mena..... 452
Little Blocker Creek near Langley..... 452
Little Missouri River near Boughton 402
near Langley..... 395,452
Little Piney Creek near Lamar..... 449
Little Red River above Searcy 217
below Searcy 219
near Heber Springs..... 211,448
near Searcy 216
Little River near Horatio 355
Long Creek near Denver 106

Mammoth Spring at Mammoth Spring 179
Maumelle River at Williams Junction 320
McKisic Creek tributary near Bentonville 244
Middle Fork Little Red River at Shirley 447
near Shirley 203
Mill Creek at Fort Smith..... 448
near Holly Springs..... 453
Minnow Creek tributary near Hagarville..... 449
Mississippi River at Memphis, Tennessee 36
near Arkansas City 342
Moro Creek near Banks 416
near Fordyce..... 453
Mountain Fork near Hatfield 351
Mulberry River at I-40 near Mulberry 280
near Mulberry 279
near Oark..... 449
Murray Creek near Jonesboro..... 446

Nevins Creek tributary near Pine Bluff..... 453
Nimrod Lake at Highway 27 Bridge 519
at Plainview 520
near Carter Cove 522
near Nimrod 523

Page

Nimrod Lake near Wards Crossing 521
on Prairie Creek 522
Norfork Lake at Henderson 496
near Norfork 142
near Udall, Missouri..... 493
on Fall Creek 498
on Pigeon Creek near Mountain Home 494
North Fork River at Norfork Dam, near Norfork .. 147
at Tecumseh, Missouri..... 492
North Sylamore Creek near Fifty Six 160

Osage Creek southwest of Berryville 100
Osage Creek at Osage..... 446
near Elm Springs 254
west of Berryville 102
Ouachita River at Camden 404
below Camden 409
near Crossett 435
near Donaldson 387
near Malvern 386
near Mount Ida 383

Pack Saddle Creek tributary near Waldron..... 450
Petit Jean River at Danville 302
near Booneville..... 298,450
near Centerville..... 450
near Waveland..... 450,519
Pigeon Roost Creek at Butlerville..... 448
Piney Fork near Evening Shade..... 447
Pope Creek tributary at Birdeye..... 446
Poteau River at Cauthron 267
at Waldron 263
northwest of Waldron 265
Prairie Creek at Murfreesboro 397
near Mena 381
near Murfreesboro 399
Prairie Cypress Creek near Cross Roads 242

Red River at Index 346
near Foreman 344
near Spring Bank 375
Richland Creek at Goshen 457
Right Hand Chute of Little River at Rivervale .. 54
Rock Creek at Little Rock..... 451
near Glenwood..... 452
Rolling Fork River below DeQueen Lake near DeQueen 530
Rolling Fork near DeQueen..... 451

Saline River at Benton..... 453
near Burg 364
near Dierks..... 452
near Fountain Hill 433
near Lockesburg 370
near Rye 432
near Shaw 420
near Sheridan..... 422,453
west of Benton 418
Second Creek near Palestine 78
Shoal Creek near New Blaine..... 449
Short Mountain Creek north of Paris 286
west of Paris 284
Smackover Creek near Smackover 411
north of Smackover 412
South Fork Caddo River at Fancy Hill 391
South Fork Little Red River at Clinton 205
South Fork Ozan Creek near Ozan..... 452
South Fork Spring River at Saddle 185
South Fourche LaFave River at Hollis 315
near Hollis 317
Spadra Creek at Clarksville..... 449
Spavinaw Creek near Cherokee City 248
Spring Creek at Forrest City..... 446
Spring River at Imboden 189
at Ravenden 187
near Hardy 184
near Mammoth Spring 180
St. Francis Bay at Riverfront 63
St. Francis River Floodway near Marked Tree 60
St. Francis River at Fisk, Missouri 40
at Holly Island 50
at Lake City 51
at Madison 70
at Parkin 55
at St. Francis 44
near Glennonville, Missouri 42
near Piggott 49
Stone Dam Creek near Conway 318
Strawberry River near Poughkeepsie 197

Page

Strawberry River near Smithville 198
Sullivan Creek at Sandtown 167
Sulphur River south of Texarkana 371
Sunnymede Creek at Fort Smith..... 449

Table Rock Lake (James River Arm) at Cape Fair, Missouri..... 470
(James River Arm) near Kimberling City, Missouri..... 471
(Kings River) near Carr Lane, Missouri..... 467
(Long Creek Arm) near Ridgedale, Missouri..... 473
near Branson, Missouri 108
near Eagle Rock, Missouri..... 466
near Lampe, Missouri..... 468

Valley Creek near Point Cedar..... 452

War Eagle Creek near Hindsville..... 446
Wattensaw Bayou near Hazen 222
Webber Creek tributary near Cedarville..... 449
West Fork Point Remove Creek near Hattieville... 450
West Fork White River east of Fayetteville 82
Whig Creek near Dardanelle 296
White Oak Creek near Atkins 307

Page

White River above Lock and Dam 3 near St. James 165
at Batesville 168
at Beaver Dam, near Eureka Springs 96
at Bull Shoals Dam, near Flippin 122
at Calico Rock 152
at Campground E near Busch 97
at DeValls Bluff 224
at Georgetown 221
at Lock and Dam 1 at Batesville 170
at Newport 200
at Oil Trough 172
at St. Charles 237
below Table Rock Dam, near Branson, Missouri . 115
near Augusta..... 447
near Fayetteville 84
near Flippin..... 447
near Goshen 85
near Norfork 140
Whitener Branch tributary near Spring Valley, ... 446
Wilhelmina Cutoff near Campbell, Missouri 43
Willow Ditch near Egypt..... 448

October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

USGS LIBRARY - RESTON
3 1818 00101697 9

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
700 W. Capitol Ave., Federal Office Building, Rm. 2301
Little Rock, AR 72201

U.S. MAIL

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

SPECIAL 4TH CLASS BOOK RATE