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# Water Resources Data Arkansas

# Water Year 1984

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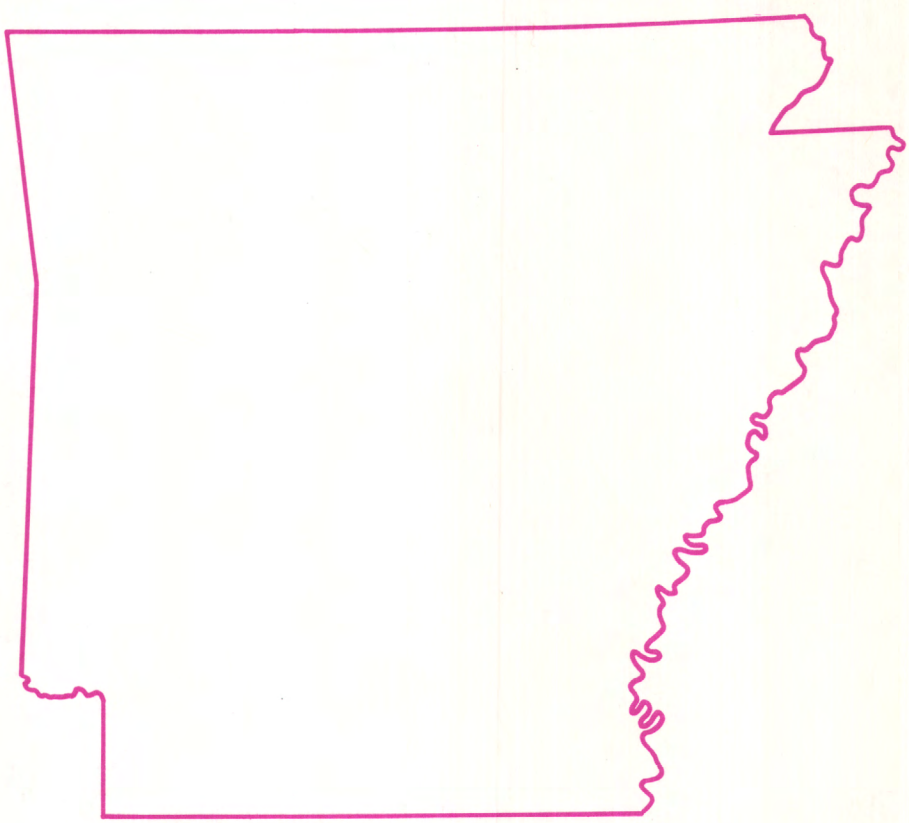

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-84-1

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

# CALENDAR FOR WATER YEAR 1984

## 1983

### OCTOBER

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## 1984

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### APRIL

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### JUNE

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### SEPTEMBER

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| 30 | | | | | | |

# Water Resources Data Arkansas

# Water Year 1984

by T.E. Lamb, J.E. Porter, B.F. Lambert, and J. Edds



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-84-1
Prepared in cooperation with the Arkansas Geological Commission and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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

1985

# 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, amd 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. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Water resources data for the 1984 water year for Arkansas consists of records of discharge, and water quality of streams; water quality of lakes; water levels and water quality of observation wells. This report contains discharge records for 48 regular surface-water stations; water-quality data for 130 regular water-quality stations, and 75 partial-record water-quality stations; 92 wells with water-level measurements, 4 wells with water-level and water-quality measurements, and 2 wells with water-quality data only. Also included are data for 77 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 Data System operation by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

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CONTENTS


| | Page |
|---|---|
| Preface | III |
| List of gaging stations, in downstream order, for which records are published | VI |
| Introduction | 1 |
| Cooperation | 1 |
| Hydrologic conditions | 1 |
| Surface water | 1 |
| Surface-water quality | 2 |
| Ground water | 3 |
| Ground-water quality | 3 |
| Definition of terms | 3 |
| Downstream order and station number | 10 |
| Numbering system for wells and miscellaneous sites | 10 |
| Special networks and programs | 11 |
| Explanation of stage and water-discharge records | 11 |
| Collection and computation of data | 11 |
| Accuracy of field data and computed results | 13 |
| Other data available | 14 |
| Explanation of water-quality records | 14 |
| Collection and examination of data | 14 |
| Water analysis | 14 |
| Water temperature | 15 |
| Sediment | 15 |
| Explanation of ground-water level records | 16 |
| Collection of the data | 16 |
| Explanation of precipitation-quality records | 17 |
| Collection of the data | 17 |
| Access to WATSTORE | 17 |
| Publications on techniques of water-resources investigations | 18 |
| Hydrologic-data station records | 24 |
| Discharge at partial-record stations and miscellaneous sites | 487 |
| Crest-stage partial-record stations | 487 |
| Measurements at miscellaneous sites | 494 |
| Analyses of samples collected at water-quality partial-record stations | 497 |
| Ground-water levels and quality | 588 |
| Quality of ground water | 611 |
| Chemical-quality of precipitation | 620 |
| Index | 621 |


ILLUSTRATIONS


| | | |
|---|---|---|
| Figure 1. | Map showing locations of continuous-gaging stations in western Arkansas | 20 |
| 2. | Map showing locations of continuous-gaging stations in eastern Arkansas | 21 |
| 3. | Map showing locations of water-quality stations in western Arkansas | 22 |
| 4. | Map showing locations of water-quality stations in eastern Arkansas | 23 |
| 5. | Map showing locations of observation wells in Arkansas | 587 |


TABLES


| | | |
|---|---|---|
| Table 1. | Factors for conversion of chemical constituents in milligrams or micrograms per liter | 6 |
| 2. | Degrees Celsius (°C) to degrees Fahrenheit (°F) | 15 |
| 3. | Factors for conversion of sediment concentration in milligrams per liter to parts per million | 16 |

Page

MISSISSIPPI RIVER BASIN
Mississippi River at Memphis, TN..... 24
ST. FRANCIS RIVER BASIN
St. Francis River at Fisk, MO..... 26
St. Francis River near Powe, MO..... 28
St. Francis River near Glennonville, MO..... 29
Wilhelmina Cutoff near Campbell, MO..... 30
St. Francis River at St. Francis..... 31
St. Francis River near Piggott..... 32
St. Francis River at Holly Island..... 33
Big Slough Ditch near Paragould..... 34
Locust Creek Ditch near Paragould..... 35
Eight Mile Ditch near Paragould..... 36
St. Francis River at Lake City..... 37
Cockle Burr Slough Ditch near Monette..... 39
Right Hand Chute of Little River at Rivervale..... 40
St. Francis River at Parkin..... 42
St. Francis River Floodway near Marked Tree..... 44
Cross County Ditch near Birdeye..... 46
Straight Slough near Birdeye..... 47
St. Francis Bay at Riverfront..... 48
Clark Corner Cutoff near Colt..... 51
St. Francis River at Madison..... 52
L'Anguille River near Cherry Valley..... 54
L'Anguille River near Colt..... 56
Second Creek near Palestine..... 61
L'Anguille River at Palestine..... 62
L'Anguille River at Marianna..... 64
WHITE RIVER BASIN
White River:
West Fork White River east of Fayetteville..... 66
White River near Fayetteville..... 68
White River near Goshen..... 69
Beaver Lake near Eureka Springs..... 73
White River at Beaver Dam, near Eureka Springs..... 86
Kings River:
Osage Creek southwest of Berryville..... 89
Osage Creek west of Berryville..... 91
Kings River near Berryville..... 93
Long Creek near Denver..... 95
Table Rock Lake near Branson, MO..... 97
White River below Table Rock Dam, near Branson, MO..... 111
Lake Taneycomo at Branson, MO..... 114
Bull Shoals Lake near Flippin..... 118
White River at Bull Shoals Dam, near Flippin..... 129
Crooked Creek at Harrison..... 131
Crooked Creek near Harrison..... 133
Crooked Creek at Yellville..... 135
Buffalo River near St. Joe..... 137
Bear Creek west of Marshall..... 140
Big Creek:
Hicks Creek near Mountain Home..... 141
White River near Norfork..... 143
Norfork Lake near Norfork..... 145
North Fork River at Norfork Dam, near Norfork..... 155
White River at Calico Rock..... 158
Mill Creek near Melbourne..... 161
South Sylamore Creek:
North Sylamore Creek near Fifty Six..... 163
White River at Batesville..... 166
White River near Salado..... 168
Clearwater Lake at Clearwater Dam, MO..... 170
Black River at Clearwater Dam, MO..... 176
Black River near Corning..... 178
Current River near Pocahontas..... 179
Black River at Pocahontas..... 181
Mammoth Spring at Mammoth Spring..... 183
South Fork Spring River at Saddle..... 184
Spring River at Ravenden..... 186
Spring River at Imboden..... 188
Eleven Point River near Ravenden Springs..... 189
Eleven Point River near Pocahontas..... 190
Black River at Black Rock..... 192
Piney Fork at Evening Shade..... 195
Strawberry River near Poughkeepsie..... 196
Strawberry River near Smithville..... 197
White River at Jacksonport..... 199

Page

MISSISSIPPI RIVER BASIN--Continued
WHITE RIVER BASIN--Continued
White River at Newport..... 201
Middle Fork Little Red River near Shirley..... 204
Middle Fork Little Red River at Shirley..... 206
South Fork Little Red River at Clinton..... 207
Greers Ferry Lake near Heber Springs..... 208
Little Red River near Heber Springs..... 219
Little Red River near Searcy..... 222
Little Red River above Searcy..... 224
Little Red River below Searcy..... 226
Wattensaw Bayou near Hazen..... 228
White River at DeValls Bluff..... 230
Cache River at Egypt..... 232
Cache River at Patterson..... 233
Bayou DeView near Gibson..... 235
Bayou DeView at Morton..... 237
White River at Clarendon..... 239
White River at St. Charles..... 241
Boat Gunwale Slash near Holly Grove..... 243
Big Creek at Poplar Grove..... 245
Prairie Cypress Creek near Crossroads..... 246
ARKANSAS RIVER BASIN
Arkansas River:
Neosho River:
Elk River:
Little Sugar:
Little Sugar Creek tributary near Bentonville..... 248
Butler Creek near Sulphur Springs..... 250
Spavinaw Creek near Cherokee City..... 252
Illinois River at Savoy..... 254
Osage Creek near Elm Springs..... 256
Illinois River near Siloam Springs..... 258
Flint Creek at Springtown..... 260
Flint Creek near West Siloam Springs, OK..... 261
Baron Fork at Dutch Mills..... 262
Poteau River at Waldron..... 265
Poteau River northwest of Waldron..... 267
Poteau River at Cauthron..... 269
James Fork near Hackett..... 270
Lee Creek near Van Buren..... 273
Arkansas River at Van Buren..... 274
Arkansas River at Dam No. 13, near Van Buren..... 276
Mulberry River near Mulberry..... 280
Mulberry River at I-40 near Mulberry..... 281
Arkansas River at Ozark Dam, at Ozark..... 283
Big Piney Creek near Dover..... 285
Big Piney Creek at Highway 64 near Dover..... 286
Illinois Bayou near Dover..... 288
Arkansas River at Dardanelle..... 290
Petit Jean River near Booneville..... 295
Blue Mountain Lake near Waveland..... 298
Petit Jean River near Waveland..... 304
Dutch Creek at Shark..... 306
Petit Jean River at Danville..... 308
Chickalah Creek at Chickalah..... 309
Arkansas River at Dam No. 9, near Oppelo..... 311
West Fork Point Remove:
White Oak Creek near Atkins..... 313
Cadron Creek near Guy..... 315
Arkansas River at Toad Suck Ferry Dam, near Conway..... 316
Fourche LaFave River near Gravelly..... 318
Nimrod Lake near Nimrod..... 321
Fourche LaFave River near Nimrod..... 327
South Fourche LaFave River at Hollis..... 329
South Fourche LaFave River near Hollis..... 331
Palarm Creek:
Stone Dam Creek near Conway..... 332
Arkansas River at Murray Dam, at Little Rock..... 334
Arkansas River at David D. Terry Lock and Dam, below Little Rock..... 337
Arkansas River at Lock and Dam 5, near Wright..... 340
Arkansas River at Lock and Dam 4, near Pine Bluff..... 342
Bayou Meto near North Little Rock..... 344
Bayou Meto near Jacksonville..... 346
Bayou Meto near Lonoke..... 348
Arkansas River at Dam No. 2, near Gillett..... 349
Mississippi River near Arkansas City..... 351

Page

MISSISSIPPI RIVER BASIN--Continued
RED RIVER BASIN
Red River near Foreman..... 353
Red River at Index..... 355
Mountain Fork near Hatfield..... 358
Little River:
DeQueen Lake near DeQueen..... 360
Rolling Fork below DeQueen Lake, near DeQueen..... 368
Bear Creek near Horatio..... 371
Little River near Horatio..... 373
Cossatot River near Vandervoort..... 376
Cossatot River near Umpire..... 377
Gillham Lake near Gillham..... 379
Cossatot River below Gillham Dam, near Gillham..... 387
Saline River near Burg..... 390
Dierks Lake near Dierks..... 392
Saline River below Dierks Dam, near Dierks..... 401
Saline River near Lockesburg..... 404
Millwood Lake near Ashdown..... 405
Little River at Millwood Dam, near Ashdown..... 411
Sulphur River south of Texarkana..... 418
Days Creek southeast of Texarkana..... 420
Red River near Spring Bank..... 422
Twelvemile Bayou (Continuation of Cypress Creek):
Bayou Dorcheat near Taylor..... 424
Bodcau Creek near Lewisville..... 426
Ouachita River:
Prairie Creek near Mena..... 428
Ouachita River near Mount Ida..... 430
Ouachita River at Carpenter Dam, near Hot Springs..... 435
Ouachita River near Malvern..... 437
Ouachita River near Donaldson..... 440
Caddo River:
South Fork Caddo River at Fancy Hill..... 442
Caddo River near Amity..... 444
Little Missouri River near Langley..... 446
Prairie Creek at Murfreesboro..... 448
Prairie Creek near Murfreesboro..... 450
Antoine River at Antoine..... 452
Little Missouri River near Boughton..... 453
Ouachita River at Camden..... 455
Ouachita River below Camden..... 458
Smackover Creek near Smackover..... 460
Smackover Creek north of Smackover..... 461
Moro Creek near Banks..... 463
Saline River West of Benton..... 465
Saline River near Shaw..... 467
Saline River near Sheridan..... 469
Hurricane Creek near Sardis..... 471
Hurricane Creek near Sheridan..... 473
Big Creek near Pansy..... 474
Saline River near Rye..... 476
Saline River near Fountain Hill..... 477
Bayou Bartholomew near Ladd..... 479
Bayou Bartholomew near McGehee..... 481
Bayou de Loutre near El Dorado..... 482
Bayou D'Arbonne:
Cornie Bayou near Three Creeks..... 484

# WATER RESOURCES DATA FOR ARKANSAS, 1984

## INTRODUCTION

Water resources data for the 1984 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; elevation, contents, and water quality of lakes; and water levels and water quality of wells. This report contains discharge records for 48 gaging stations; water quality for 130 stations, 75 partial-record stations, and 6 observation wells; and water levels for 96 observation wells. Also included are data for 77 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

Records of discharge or 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 an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjuction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report AR-84-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

## COOPERATION

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

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

Arkansas Department of Pollution Control and Ecology, Phyllis J. Garnett, director.

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

Arkansas Soil and Water Conservation Commission, John P. Saxton, director.

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

The following organizations aided in collecting records:

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

Organizations that supplied data are acknowledged in station descriptions.

## HYDROLOGIC CONDITIONS

### Surface Water

Streamflow was normal for the 1984 water year. Average rainfall over most of the State resulted in average runoff during the year. No outstanding floods occurred during the year.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 87 percent of median for the period of record, being normal for eight months, deficient for three months, and excessive for one month.

Runoff at the index station on the Saline River near Rye, which is representative of south Arkansas, was 126 percent of median for the period of record, being normal for eight months, excessive for three months, and deficient for one month.

## Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality, 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 adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The highly agriculturalized Delta Region of the state is particularly susceptible to non-point source effects due to current farming practices.

The Ozark Highlands Region, with its rapid population growth rate, is being affected by both point and non-point sources. Principal point sources are wastewater treatment plants. Principal non-point source contributions are related to farming practices in the region. Of particular concern in this Region are the upper White River, Illinois River, and Beaver Lake. The Gulf Coastal Plain Region of southern Arkansas continues to be affected by point sources. Most of these sources are related to oil and gas production.

The Arkansas River Valley Region continues to have streams affected by coal mining. The Arkansas River continues to be considered as a source of water for public supply and irrigation. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increases the salinity of the river, may make the river unsuitable for some uses during certain low flow periods. Municipal and industrial discharge to the river may contribute wastes and chemicals that affect its potability. Storage effects of the Arkansas River Navigation System and tributary dams have moderated the effects of inflowing pollutants.

Selected water-quality constituents are shown below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1984 water year are compared to concentrations for the period of record to indicate if significant changes in water quality occurred.

The highest dissolved-solids concentration found in the major streams in 1984 was 1,060 mg/L in the Red River at Index. This concentration is considered normal for this station. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

| | 1984 | | Period of Record | |
|---|---|---|---|---|
| | Minimum | Maximum | Minimum | Maximum |
| Mississippi River at Memphis, Tennessee | 215 | 288 | 153 | 339 |
| St. Francis Bay at Riverfront | 99 | 269 | 55 | 290 |
| Cache River at Patterson | -- | -- | 41 | 242 |
| White River at Clarendon | 107 | 189 | 38 | 349 |
| Arkansas River at David D. Terry Lock and Dam below Little Rock | 176 | 441 | 117 | 600 |
| Red River at Index | 483 | 1060 | 157 | 1260 |
| Ouachita River at Camden | 38 | 64 | 30 | 193 |

The highest dissolved-chloride concentration found in 1984 was 310 mg/L in the Red River at Index. This concentration did not exceed the maximum concentration for the period of record and was within tolerance for most uses. The Cache River at Patterson had a dissolved-chloride concentration that was above the maximum for the period of record. Dissolved-chloride concentrations, in milligrams per liter, are shown in the following table:

| | 1984 | | Period of Record | |
|---|---|---|---|---|
| | Minimum | Maximum | Minimum | Maximum |
| Mississippi River at Memphis, Tennessee | 14 | 22 | 7.9 | 30 |
| St. Francis Bay at Riverfront | 4.7 | 9.3 | 0.1 | 13 |
| Cache River at Patterson | 2.8 | 20 | 1.7 | 16 |
| White River at Clarendon | 4.1 | 6.2 | .8 | 70 |
| Arkansas River at David D. Terry Lock and Dam below Little Rock | 42 | 140 | 13 | 220 |
| Red River at Index | 130 | 310 | 23 | 405 |
| Ouachita River at Camden | 3.9 | 6.8 | 3.1 | 79 |

The lowest dissolved-oxygen concentration found in 1984 was 0.0 mg/L in the Cache River at Patterson. This dissolved-oxygen concentration did not meet the State standard of 5 mg/L for those waters designated as warm water fisheries. The Red River at Index had dissolved-oxygen concentrations that exceeded both extremes for the period of record. Dissolved-oxygen concentrations, in milligrams per liter, are shown in the following table:

| | 1984 | | Period of record | |
|---|---|---|---|---|
| | Minimum | Maximum | Minimim | Maximum |
| Mississippi River at Memphis, Tennessee | 7.3 | 8.6 | 6.1 | 13.3 |
| St. Francis Bay at Riverfront | 6.2 | 11.4 | 4.5 | 13.8 |
| Cache River at Patterson | 0.0 | 8.4 | 1.5 | 13.4 |
| White River at Clarendon | 8.0 | 11.6 | 5.3 | 12.8 |
| Arkansas River at David D. Terry Lock and Dam below Little Rock | 7.4 | 12.0 | 5.5 | 13.9 |
| Red River at Index | 5.8 | 13.6 | 6.1 | 12.1 |
| Ouachita River at Camden | 7.1 | 10.8 | 4.7 | 12.7 |

The highest suspended-sediment concentration found in 1984 was 401 mg/L in the St. Francis Bay at Riverfront. The Red River at Index had a suspended-sediment concentration that was below the minimum for the period of record.

| | 1984 | | Period of record | |
|---|---|---|---|---|
| | Minimum | Maximum | Minimum | Maximum |
| Mississippi River at Memphis, Tennessee | 61 | 290 | 25 | 740 |
| St. Francis Bay at Riverfront | 22 | 401 | 21 | 958 |
| Cache River at Patterson | -- | -- | 52 | 220 |
| White River at Clarendon | 15 | 76 | 8 | 337 |
| Arkansas River at David D. Terry Lock and Dam below Little Rock | 6 | 336 | 2 | 644 |
| Red River at Index | 16 | 374 | 20 | 8820 |
| Ouachita River at Camden | 12 | 38 | 11 | 639 |

## Ground Water

Ground-water levels in the Quaternary deposits in 14 counties west of Crowleys Ridge in the Cache and L'Anguille basins in northeastern Arkansas rose slightly from the previous year.

The regional gradient in the water table in the deposits of Quaternary age is southward from an altitude of about 280 feet above sea level in the northeastern part of the State to about 100 feet in the southeastern part. The normal gradient of the water table is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression with a northwest to southeast axis. The cone of depression reaches as low as 95 feet above sea level in Arkansas and Prairie Counties. Water levels are as much as 116 feet below land surface in Arkansas County. Water levels in the alluvium west of Crowleys Ridge in Poinsett and Cross Counties rose slightly from the previous year.

Water levels in the Sparta Sand of Tertiary age rose 2-1/2 feet in the Grand Prairie from the previous year and rose about 3-1/2 feet in the El Dorado area. Water levels at Magnolia declined about 4 feet from previous year. Water levels in Pine Bluff area declined about 2-3/4 feet in the industrial areas. Elsewhere in the state, water levels in the Sparta Sand or Memphis Sand aquifer rose about 1.90 feet from the previous year. Large withdrawals of water at El Dorado for municipal and industrial use are responsible for the water level declines. Water levels in the deepest parts of the cones of depression at El Dorado and Magnolia are at an altitude of 161 and 22 feet below sea level, respectively. Water levels are more than 433 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of 51 feet below sea level or approximately 255 feet below land surface.

## Ground-Water Quality

Arkansas has vast quantities of ground water of good quality. At some locations ground water must be treated for human consumption and for industrial use. In an attempt to detect longterm changes in ground-water quality, a network of 25 monitoring wells has been established. Those 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 the Quaternary and Sparta. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that 5 or 6 wells are sampled each year.

In 1984, six wells were sampled, two in the Quaternary aquifer, one in the Wilcox aquifer, and three in the Memphis aquifer. Chemical analyses of water from these wells are located in the "Ground-Water Levels and Quality" section near the end of this report.

## 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter my be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 on page 6. 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 15.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Picocurie (PC, pCi) is one trillionth ($1 \times 10^{-12}$) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields $3.7 \times 10^{10}$ 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 environmemt, the zooplankton are a vital part of the aquatic-food web. The zooplankton community is dominated by small crustaceans and rotifers.

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

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because 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.

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## DOWNSTREAM ORDER AND STATION NUMBER

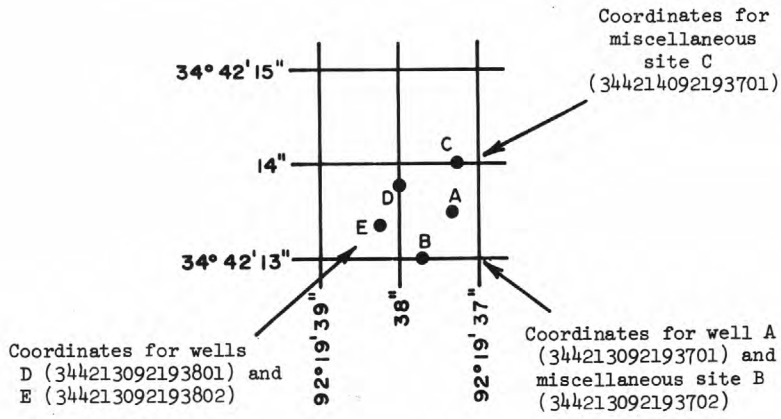
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream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

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

## NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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




## SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

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

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

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

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

Previously published streamflow records of some stations have been found to be in 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 gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "National Geodetic Vertical Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, (the capacity, outlet works and spillway, and purpose and use of the reservoir) is given under "REMARKS."

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

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

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

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

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

## Accuracy of Field Data and Computed Results

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

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

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

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

### Other Data Available

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

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

## EXPLANATION OF WATER-QUALITY RECORDS

### Collection and Examination of Data

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

The descriptive heading for 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:

| | |
|---|---|
| 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 |
| 80010 | Atlanta Central Laboratory, WRD, USGS |
| 80020 | Denver Central Laboratory, WRD, USGS |

The column heading "MEDIUM" in the water-quality tables of this report designates the type of water from which the samples was taken. In this report, two types of water are shown. Water from a stream or lake is designated by a 9 medium code, and water from a spring or well is designated by a 6 medium code.

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. 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 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 page 16.

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."

## 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 at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

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

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

[Temperature reported to nearest 0.5°C]

| °C | °F | °C | °F | °C | °F | °C | °F | °C | °F |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 32 | 10.0 | 50 | 20.0 | 68 | 30.0 | 86 | 40.0 | 104 |
| .5 | 33 | 10.5 | 51 | 20.5 | 69 | 30.5 | 87 | 40.5 | 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 | 45 | 17.5 | 63 | 27.5 | 81 | 37.5 | 99 | 47.5 | 117 |
| 8.0 | 46 | 18.0 | 64 | 28.0 | 82 | 38.0 | 100 | 48.0 | 118 |
| 8.5 | 47 | 18.5 | 65 | 28.5 | 83 | 38.5 | 101 | 48.5 | 119 |
| 9.0 | 48 | 19.0 | 66 | 29.0 | 84 | 39.0 | 102 | 49.0 | 120 |
| 9.5 | 49 | 19.5 | 67 | 29.5 | 85 | 39.5 | 103 | 49.5 | 121 |

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

## Sediment

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

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

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

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

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

[All values calculated to 3 significant figures]

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

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

## EXPLANATION OF GROUND-WATER LEVEL RECORDS

### Collection of the Data

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

Data are included for 86 wells in Arkansas (fig. 5). Thirteen of the wells are equipped with automatic recorders and the rest are measured manually one or more times each year. The wells selected are located so as to provide areal coverage of data-collection points for the most productive aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See diagram on page 11.

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 PRECIPITATION-QUALITY RECORDS

### Collection of the Data

The precipitation-quality records in this report are for one site operated by the U.S. Geological Survey in the National Trends Network. Field measurements of pH and specific conductance of weekly composite precipitation samples and daily precipitation quantity are made. Other chemical analyses for all National Trends Network sites are performed by the Central Analytical Laboratory of the Illinois Water Survey. A numerical agency code (17003) has been assigned to the Illinois Water Survey for data storage purposes.

## ACCESS TO WATSTORE DATA

The National WATer Data 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

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

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

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

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

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

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

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

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

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

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

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

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

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

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

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing,* by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

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

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

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

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

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

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

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

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

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

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

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

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

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

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

5-A3. *Methods for analysis of organic substances in water,* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

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

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

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

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

7-C3. *A model for simulation of flow in singular and interconnected channels,* by R. W. Schaffranek, 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-B2. *Calibration and maintenance of vertical-axis type current meters,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

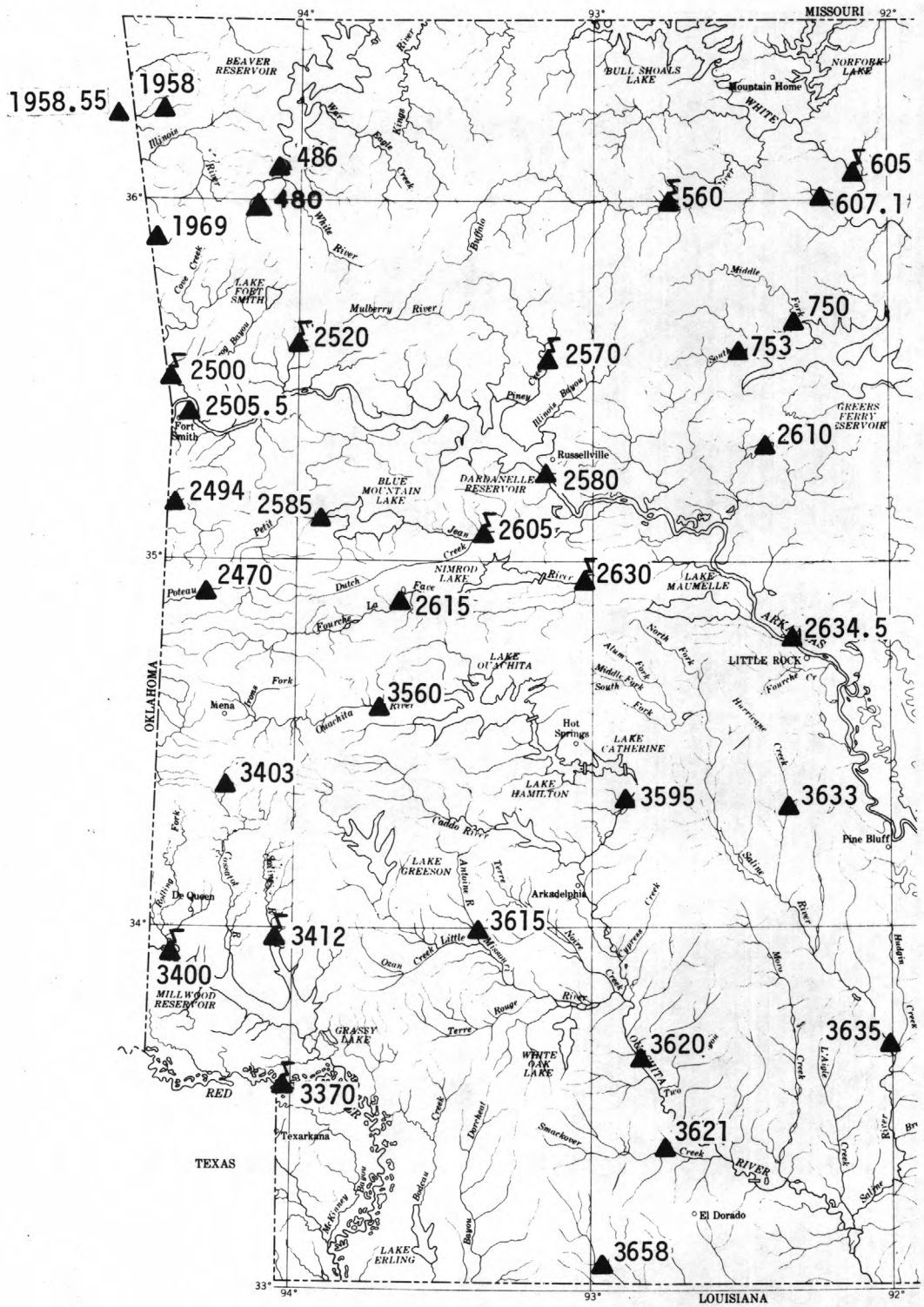



Figure 1.--Locations of continuous-record gaging stations in western Arkansas.

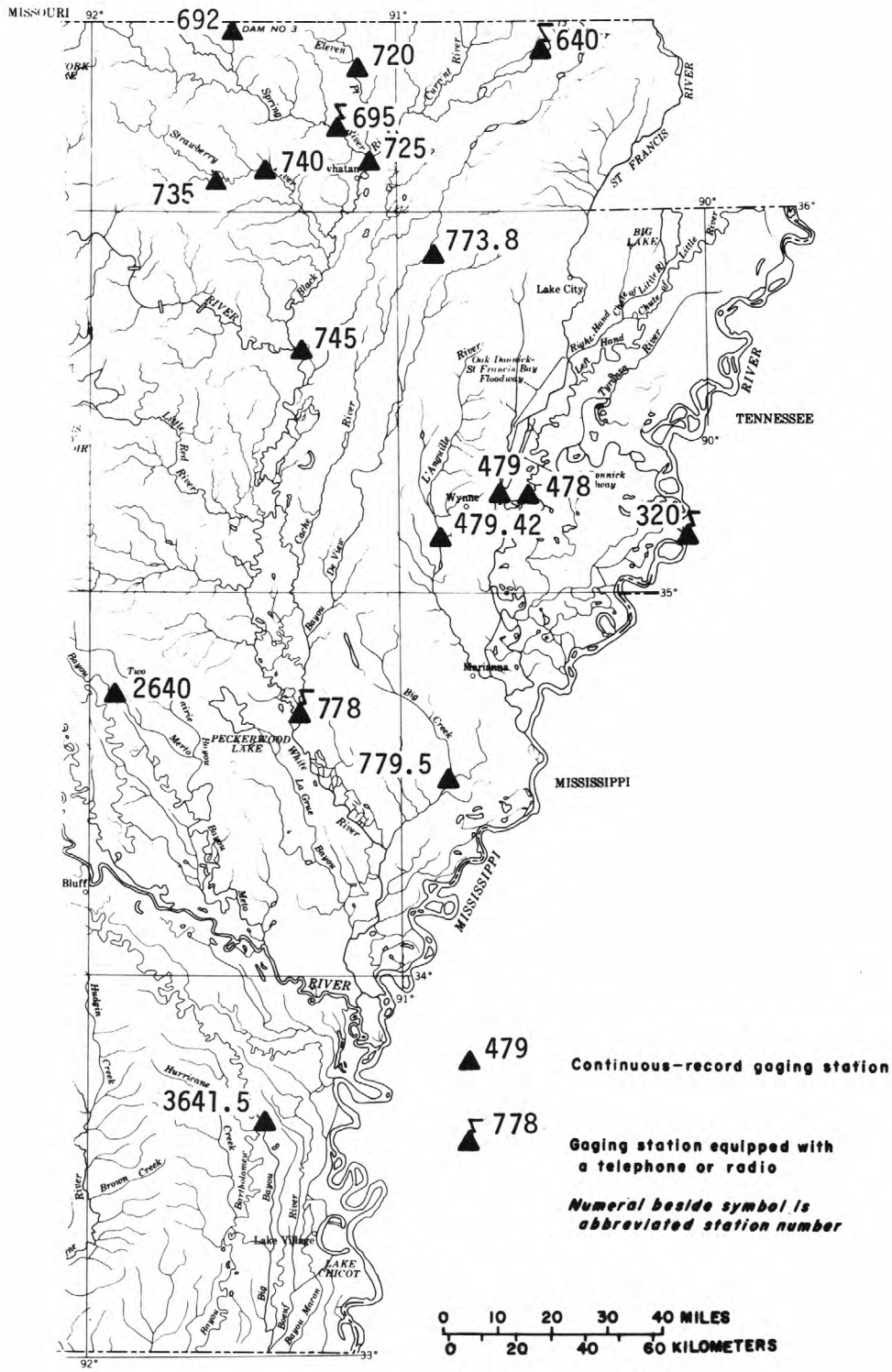



Figure 2.--Locations of continuous-record gaging stations in eastern Arkansas.

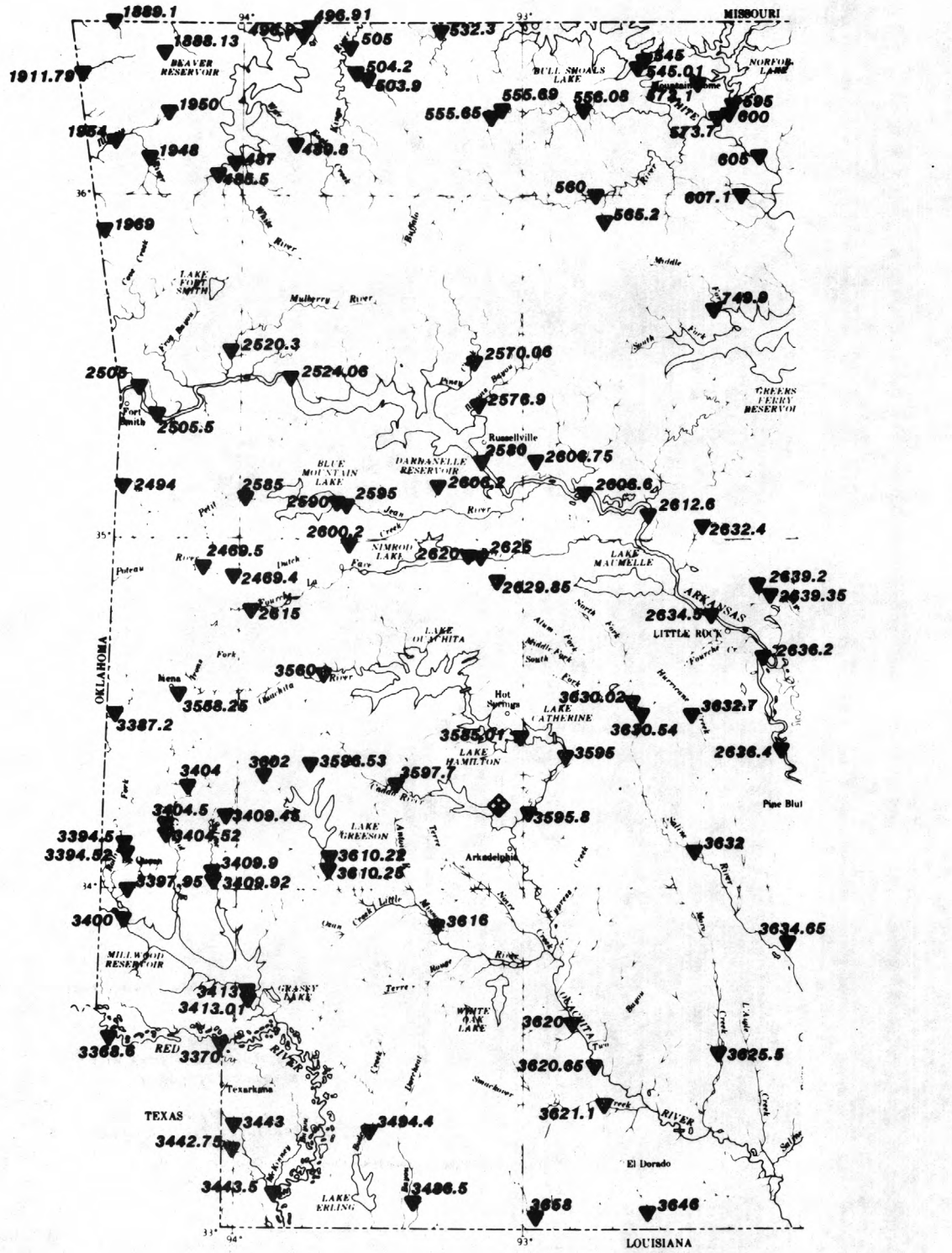



Figure 3.--Locations of water-quality stations in western Arkansas.

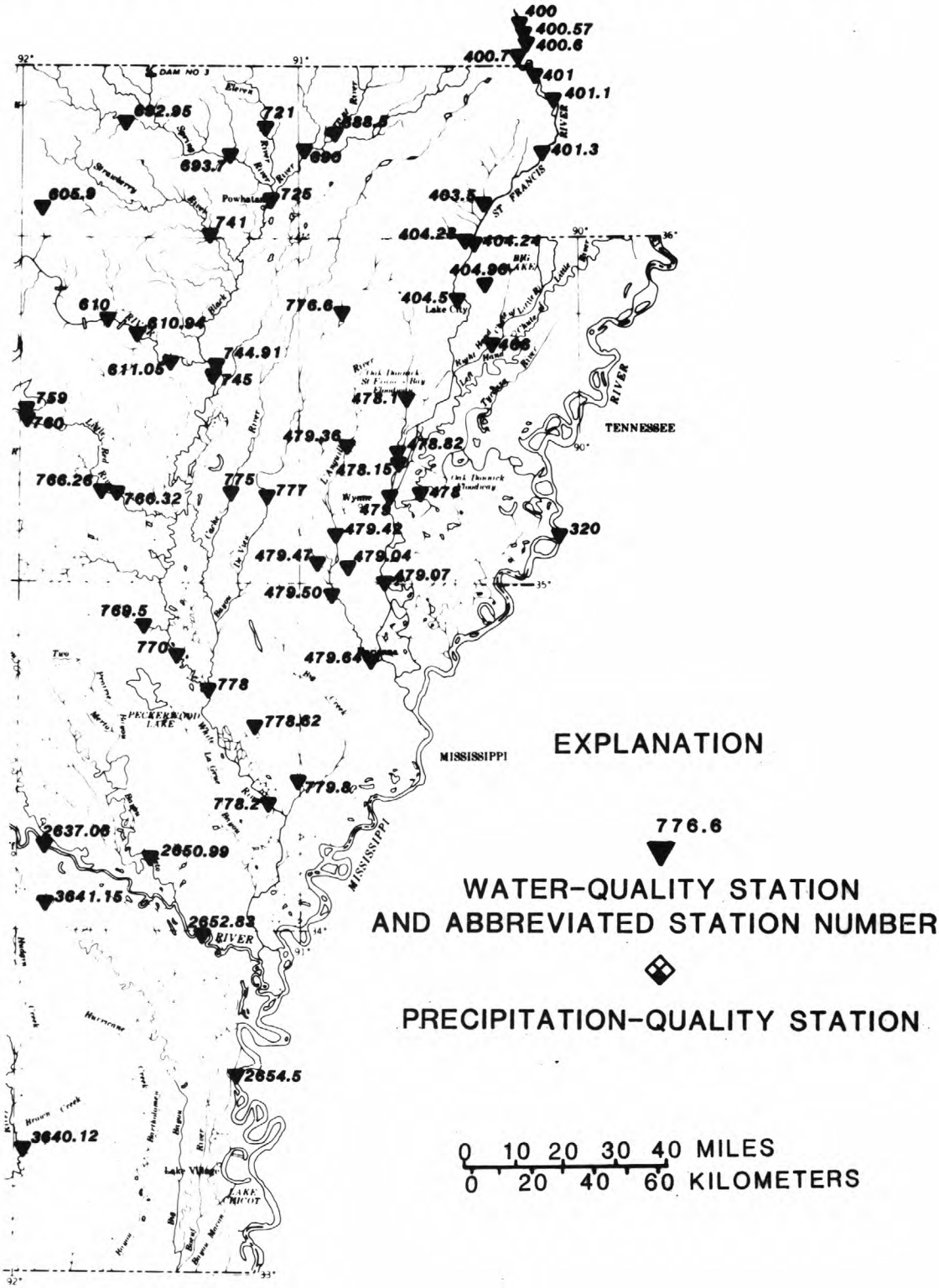



**Figure 4.--Locations of water-quality stations in eastern Arkansas.**

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

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

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-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 24... | 1230 | 9 | 80513 | 80010 | 232000 | 477 | 8.0 | 16.5 | 29 | 7.3 | 75 |
| JAN 30... | 1330 | 9 | 80513 | 80010 | 385000 | 419 | 7.7 | 3.0 | 28 | 8.6 | 64 |
| APR 04... | 1000 | 9 | 80513 | 80010 | 1270000 | 360 | 7.8 | 8.0 | 80 | 7.8 | 66 |
| JUL 10... | 1400 | 9 | 80513 | 80010 | 703000 | 406 | 8.0 | -- | 80 | 8.4 | -- |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 24... | 1230 | 758 | K670 | 170 | 170 | 46 | 46 | 43 | 16 | 29 | 26 |
| JAN 30... | 1330 | 765 | 220 | 800 | 160 | 41 | 41 | 42 | 13 | 17 | 19 |
| APR 04... | 1000 | 759 | 260 | 570 | 140 | 48 | 48 | 38 | 11 | 14 | 18 |
| JUL 10... | 1400 | -- | 1700 | 260 | 160 | 39 | 39 | 43 | 13 | 11 | 13 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 24... | 1230 | 1 | 3.3 | 128 | 82 | 22 | .40 | 5.4 | 288 | 280 | .39 |
| JAN 30... | 1330 | .6 | 2.6 | 118 | 55 | 20 | .20 | 7.5 | 255 | 230 | .35 |
| APR 04... | 1000 | .5 | 1.9 | 93 | 49 | 15 | .20 | 6.9 | 215 | 190 | .29 |
| JUL 10... | 1400 | .4 | 3.5 | 122 | 52 | 14 | .20 | 7.2 | 254 | 220 | .35 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 24... | 1230 | 1.00 | .240 | .20 | .150 | .100 | .080 | 10 | 1 | 83 | <.5 |
| JAN 30... | 1330 | 1.70 | .260 | .80 | .130 | .070 | .040 | 50 | 1 | 67 | <.5 |
| APR 04... | 1000 | 2.50 | .050 | 1.4 | .100 | .110 | .040 | 20 | 2 | 400 | <.5 |
| JUL 10... | 1400 | 2.60 | .070 | 1.9 | .310 | .210 | .190 | <10 | 2 | 87 | <.0 |

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 24... | 1230 | <1 | 30 | <3 | 8 | 18 | 2 | 12 | 2 | .2 |
| JAN | | | | | | | | | | |
| 30... | 1330 | <1 | 1 | <3 | 21 | 61 | 3 | <4 | 16 | <.1 |
| APR | | | | | | | | | | |
| 04... | 1000 | 1 | 7 | <3 | 10 | 53 | 2 | 5 | 5 | .1 |
| JUL | | | | | | | | | | |
| 10... | 1400 | <1 | <1 | <3 | 11 | 12 | 1 | 10 | 2 | .2 |

| 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) | 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... | 1230 | <10 | 3 | 2 | <1 | 230 | 15 | 88 | 55100 | 90 |
| JAN | | | | | | | | | | |
| 30... | 1330 | <10 | 6 | <1 | <1 | 170 | 18 | 61 | 63400 | 80 |
| APR | | | | | | | | | | |
| 04... | 1000 | <10 | 2 | <1 | <1 | 160 | 150 | 209 | 717000 | 93 |
| JUL | | | | | | | | | | |
| 10... | 1400 | <10 | 3 | <1 | <1 | 180 | 12 | 290 | 550000 | 82 |

ST. FRANCIS RIVER BASIN

07040000 ST. FRANCIS RIVER AT FISK, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 0900 | 9 | 80513 | 80513 | 321 | 200 | 7.9 | 17.0 | .20 |
| NOV 09... | 1230 | 9 | 80513 | 80513 | 1770 | 190 | 8.0 | 14.0 | .00 |
| JAN 16... | 1330 | 9 | 80513 | 80513 | 4200 | 142 | 7.2 | 3.0 | 1.70 |
| FEB 13... | 1500 | 9 | 80513 | 80513 | 876 | 110 | 7.5 | 8.0 | .00 |
| MAR 12... | 1325 | 9 | 80513 | 80513 | 2660 | 162 | 8.0 | 6.0 | .50 |
| APR 16... | 1330 | 9 | 80513 | 80513 | 3200 | 136 | 8.2 | 13.5 | .30 |
| MAY 14... | 1330 | 9 | 80513 | 80513 | 3500 | 132 | 8.3 | 19.5 | .50 |
| JUN 04... | 1330 | 9 | 80513 | 80513 | 956 | 150 | 7.8 | 23.0 | .40 |
| 18... | 1330 | 9 | 80513 | 80513 | 252 | 183 | 7.7 | 27.5 | .20 |
| JUL 16... | 1130 | 9 | 80513 | 80513 | 256 | 224 | 8.1 | 28.0 | .50 |
| AUG 13... | 1130 | 9 | 80513 | 80513 | 78 | 227 | 8.7 | 28.0 | .50 |
| SEP 11... | 1130 | 9 | 80513 | 80513 | 148 | 226 | 7.9 | 23.5 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 0900 | 7.6 | 80 | 754 | 37 | 32 | 98 | 98 | 99 |
| NOV 09... | 1230 | 4.8 | 47 | 759 | 94 | 449 | 89 | 97 | 100 |
| JAN 16... | 1330 | 13.2 | 98 | 760 | 57 | 646 | 39 | 64 | 93 |
| FEB 13... | 1500 | 9.6 | 82 | 753 | 151 | 357 | 99 | 99 | 99 |
| MAR 12... | 1325 | 12.6 | 103 | 752 | 16 | 115 | 84 | 86 | 93 |
| APR 16... | 1330 | 10.8 | 105 | 749 | 38 | 328 | 55 | 72 | 92 |
| MAY 14... | 1330 | 9.3 | 101 | 763 | 32 | 302 | 85 | 95 | 96 |
| JUN 04... | 1330 | 8.3 | 98 | 754 | 56 | 145 | 74 | 84 | 96 |
| 18... | 1330 | 6.9 | 88 | 756 | 54 | 37 | 98 | 99 | 100 |
| JUL 16... | 1130 | 6.8 | 88 | 755 | 32 | 22 | 100 | -- | -- |
| AUG 13... | 1130 | 6.9 | 89 | 757 | 50 | 11 | 84 | 94 | 100 |
| SEP 11... | 1130 | 5.9 | 70 | 757 | 64 | 26 | 96 | 97 | 98 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 20... | 0900 | 100 | 17 | 33 | 75 | 98 | 100 | -- |
| NOV | | | | | | | | |
| 09... | 1230 | -- | 15 | 29 | 92 | 98 | 99 | 100 |
| JAN | | | | | | | | |
| 16... | 1330 | 100 | 4 | 6 | 70 | 98 | 100 | -- |
| FEB | | | | | | | | |
| 13... | 1500 | 100 | 9 | 10 | 30 | 87 | 99 | 100 |
| MAR | | | | | | | | |
| 12... | 1325 | 100 | 2 | 2 | 52 | 93 | 100 | -- |
| APR | | | | | | | | |
| 16... | 1330 | 100 | 9 | 10 | 64 | 81 | 82 | -- |
| MAY | | | | | | | | |
| 14... | 1330 | 100 | 2 | 3 | 61 | 99 | 100 | -- |
| JUN | | | | | | | | |
| 04... | 1330 | 100 | 2 | 3 | 58 | 96 | 100 | -- |
| 18... | 1330 | -- | 4 | 8 | 68 | 98 | 100 | -- |
| JUL | | | | | | | | |
| 16... | 1130 | -- | 5 | 10 | 64 | 98 | 100 | -- |
| AUG | | | | | | | | |
| 13... | 1130 | -- | 8 | 15 | 73 | 98 | 100 | -- |
| SEP | | | | | | | | |
| 11... | 1130 | 100 | 6 | 10 | 68 | 98 | 100 | -- |

07040057 ST. FRANCIS RIVER NEAR POWE, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 10... | 0830 | 9 | 80513 | 80513 | 2040 | 12.0 | .20 | 270 | 1490 | 84 | 88 |
| JAN | | | | | | | | | | | |
| 16... | 1330 | 9 | 80513 | 80513 | 4800 | 2.0 | .40 | 144 | 1870 | 39 | 39 |
| FEB | | | | | | | | | | | |
| 13... | 1430 | 9 | 80513 | 80513 | 4010 | 9.5 | .00 | 679 | 7350 | 90 | 93 |
| MAR | | | | | | | | | | | |
| 12... | 1330 | 9 | 80513 | 80513 | 2880 | 7.5 | .20 | 65 | 505 | 65 | 72 |
| APR | | | | | | | | | | | |
| 16... | 1245 | 9 | 80513 | 80513 | 4010 | 14.0 | .50 | 99 | 1070 | 53 | 64 |
| MAY | | | | | | | | | | | |
| 14... | 1415 | 9 | 80513 | 80513 | 3870 | 20.0 | .30 | 119 | 1240 | 61 | 74 |
| JUN | | | | | | | | | | | |
| 04... | 1315 | 9 | 80513 | 80513 | 1320 | 25.0 | .60 | 58 | 207 | 89 | 92 |
| 18... | 1315 | 9 | 80513 | 80513 | 315 | 30.0 | .40 | 79 | 67 | 97 | 98 |

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 10... | 0830 | 98 | 100 | -- | 0 | 0 | 37 | 98 | 100 | -- |
| JAN | | | | | | | | | | |
| 16... | 1330 | 96 | 100 | -- | 2 | 8 | 66 | 99 | 100 | -- |
| FEB | | | | | | | | | | |
| 13... | 1430 | 98 | 100 | -- | 23 | 28 | 79 | 99 | 100 | -- |
| MAR | | | | | | | | | | |
| 12... | 1330 | 91 | 94 | 100 | 2 | 2 | 37 | 90 | 99 | 100 |
| APR | | | | | | | | | | |
| 16... | 1245 | 98 | 100 | -- | 0 | 0 | 17 | 94 | 100 | -- |
| MAY | | | | | | | | | | |
| 14... | 1415 | 94 | 100 | -- | 1 | 1 | 5 | 89 | 100 | -- |
| JUN | | | | | | | | | | |
| 04... | 1315 | 98 | 100 | -- | 5 | 11 | 73 | 98 | 100 | -- |
| 18... | 1315 | 98 | 100 | -- | 3 | 4 | 60 | 98 | 100 | -- |

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 09... | 1015 | 9 | 80513 | 80513 | 1200 | 14.0 | .40 | 175 | 567 | 95 |
| JAN | | | | | | | | | | |
| 16... | 1200 | 9 | 80513 | 80513 | 4680 | 2.5 | .40 | 113 | 1430 | 48 |
| FEB | | | | | | | | | | |
| 13... | 1300 | 9 | 80513 | 80513 | 5300 | 10.0 | .00 | 862 | 12300 | 94 |
| MAR | | | | | | | | | | |
| 12... | 1200 | 9 | 80513 | 80513 | 2740 | 6.0 | .20 | 80 | 592 | 62 |
| APR | | | | | | | | | | |
| 16... | 1130 | 9 | 80513 | 80513 | 4010 | 13.5 | .20 | 94 | 1020 | 63 |
| MAY | | | | | | | | | | |
| 14... | 1200 | 9 | 80513 | 80513 | 3850 | 20.0 | .30 | 128 | 1330 | 68 |
| JUN | | | | | | | | | | |
| 04... | 1150 | 9 | 80513 | 80513 | 1180 | 25.0 | .60 | 59 | 188 | 92 |
| 18... | 1200 | 9 | 80513 | 80513 | 375 | 27.5 | .20 | 56 | 57 | 97 |

| 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 | | | | | | | | | |
| 09... | 1015 | 98 | 99 | 100 | 3 | 11 | 92 | 99 | 100 |
| JAN | | | | | | | | | |
| 16... | 1200 | 60 | 98 | 100 | 0 | 0 | 69 | 99 | 100 |
| FEB | | | | | | | | | |
| 13... | 1300 | 95 | 99 | 100 | 0 | 0 | 80 | 99 | 100 |
| MAR | | | | | | | | | |
| 12... | 1200 | 72 | 95 | 100 | 1 | 1 | 83 | 99 | 100 |
| APR | | | | | | | | | |
| 16... | 1130 | 73 | 96 | 100 | 1 | 1 | 88 | 99 | 100 |
| MAY | | | | | | | | | |
| 14... | 1200 | 80 | 98 | 100 | 1 | 2 | 87 | 99 | 100 |
| JUN | | | | | | | | | |
| 04... | 1150 | 94 | 100 | -- | 0 | 0 | 63 | 99 | 100 |
| 18... | 1200 | 97 | 98 | 100 | 1 | 1 | 80 | 99 | 100 |

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO

LOCATION.--Lat 36°30'53", long 90°09'30", in SW 1/4 SW 1/4 sec.25, T.22 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 09... | 1230 | 9 | 80513 | 80513 | 1250 | 15.0 | .20 | 246 | 830 | 76 |
| JAN | | | | | | | | | | |
| 16... | 1200 | 9 | 80513 | 80513 | 5020 | 2.0 | .40 | 74 | 1000 | 76 |
| FEB | | | | | | | | | | |
| 13... | 1300 | 9 | 80513 | 80513 | 6340 | 10.0 | .00 | 883 | 15100 | 94 |
| MAR | | | | | | | | | | |
| 12... | 1235 | 9 | 80513 | 80513 | 2870 | 7.5 | .20 | 162 | 1260 | 34 |
| APR | | | | | | | | | | |
| 16... | 1130 | 9 | 80513 | 80513 | 3780 | 15.0 | .40 | 106 | 1080 | 64 |
| MAY | | | | | | | | | | |
| 14... | 1230 | 9 | 80513 | 80513 | 3570 | 20.0 | .20 | 148 | 1430 | 68 |
| JUN | | | | | | | | | | |
| 04... | 1200 | 9 | 80513 | 80513 | 1120 | 25.0 | .30 | 119 | 360 | 51 |
| 18... | 1150 | 9 | 80513 | 80513 | 331 | 30.0 | .40 | 58 | 52 | 79 |

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) | SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344) | SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 09... | 1230 | 83 | 99 | 100 | 0 | 0 | 89 | 100 | -- |
| JAN | | | | | | | | | |
| 16... | 1200 | 90 | 99 | 100 | 1 | 4 | 90 | 100 | -- |
| FEB | | | | | | | | | |
| 13... | 1300 | 96 | 99 | 100 | 3 | 3 | 74 | 98 | 100 |
| MAR | | | | | | | | | |
| 12... | 1235 | 45 | 96 | 100 | 1 | 2 | 85 | 99 | 100 |
| APR | | | | | | | | | |
| 16... | 1130 | 79 | 98 | 100 | 1 | 1 | 84 | 99 | 100 |
| MAY | | | | | | | | | |
| 14... | 1230 | 82 | 97 | 100 | 2 | 5 | 93 | 99 | 100 |
| JUN | | | | | | | | | |
| 04... | 1200 | 54 | 97 | 100 | 1 | 1 | 85 | 99 | 100 |
| 18... | 1150 | 82 | 97 | 100 | 2 | 2 | 85 | 99 | 100 |

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 09... | 0830 | 9 | 80513 | 80513 | 1100 | 210 | 8.0 | 13.5 | .30 |
| JAN | | | | | | | | | |
| 17... | 0830 | 9 | 80513 | 80513 | 4480 | 135 | 7.2 | 2.0 | .30 |
| FEB | | | | | | | | | |
| 14... | 0900 | 9 | 80513 | 80513 | 4230 | 98 | 7.6 | 7.0 | .00 |
| MAR | | | | | | | | | |
| 13... | 0830 | 9 | 80513 | 80513 | 2850 | 163 | 7.8 | 6.0 | .30 |
| APR | | | | | | | | | |
| 17... | 0830 | 9 | 80513 | 80513 | 3840 | 135 | 8.1 | 13.0 | .20 |
| MAY | | | | | | | | | |
| 15... | 0800 | 9 | 80513 | 80513 | 3870 | 125 | 8.8 | 19.0 | .30 |
| JUN | | | | | | | | | |
| 05... | 0830 | 9 | 80513 | 80513 | 1060 | 160 | 8.1 | 23.0 | .30 |
| 19... | 0830 | 9 | 80513 | 80513 | 376 | 297 | 8.4 | 27.0 | .20 |
| SEP | | | | | | | | | |
| 11... | 1430 | 9 | 80513 | 80513 | 360 | 327 | 8.2 | 23.5 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | |
| 09... | 0830 | 7.0 | 67 | 759 | 118 | 350 | 99 | 99 |
| JAN | | | | | | | | |
| 17... | 0830 | 14.6 | 105 | 763 | 70 | 847 | 75 | 88 |
| FEB | | | | | | | | |
| 14... | 0900 | 10.2 | 84 | 758 | 543 | 6200 | 98 | 99 |
| MAR | | | | | | | | |
| 13... | 0830 | 12.0 | 97 | 759 | 61 | 469 | 86 | 96 |
| APR | | | | | | | | |
| 17... | 0830 | 9.9 | 95 | 752 | 122 | 1260 | 61 | 70 |
| MAY | | | | | | | | |
| 15... | 0800 | 9.3 | 100 | 765 | 116 | 1210 | 83 | 97 |
| JUN | | | | | | | | |
| 05... | 0830 | 7.2 | 85 | 756 | 101 | 289 | 95 | 97 |
| 19... | 0830 | 5.8 | 73 | 758 | 70 | 71 | 96 | 97 |
| SEP | | | | | | | | |
| 11... | 1430 | 7.4 | 88 | 757 | 205 | 199 | 98 | 99 |

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344) | SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 09... | 0830 | 100 | -- | 13 | 25 | 79 | 99 | 100 |
| JAN | | | | | | | | |
| 17... | 0830 | 98 | 100 | 0 | 29 | 95 | 100 | -- |
| FEB | | | | | | | | |
| 14... | 0900 | 100 | -- | 66 | 85 | 98 | 99 | 100 |
| MAR | | | | | | | | |
| 13... | 0830 | 97 | 100 | 6 | 18 | 84 | 99 | 100 |
| APR | | | | | | | | |
| 17... | 0830 | 98 | 100 | 3 | 29 | 98 | 100 | -- |
| MAY | | | | | | | | |
| 15... | 0800 | 98 | 100 | 6 | 33 | 96 | 99 | 100 |
| JUN | | | | | | | | |
| 05... | 0830 | 98 | 100 | 5 | 52 | 99 | 100 | -- |
| 19... | 0830 | 98 | 100 | 34 | 44 | 97 | 99 | 100 |
| SEP | | | | | | | | |
| 11... | 1430 | 100 | -- | 66 | 86 | 99 | 100 | -- |

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 09... | 1030 | 9 | 80513 | 80513 | -- | 947 | 14.0 | .20 | 135 | 345 | 66 |
| JAN | | | | | | | | | | | |
| 17... | 0900 | 9 | 80513 | 80513 | 67 | 3740 | 2.0 | .30 | 160 | 1620 | 38 |
| 17... | 1000 | 9 | 80513 | 80513 | 68 | 950 | 2.0 | .30 | 138 | 354 | 54 |
| FEB | | | | | | | | | | | |
| 14... | 1130 | 9 | 80513 | 80513 | 67 | 4410 | 10.0 | .00 | 650 | 7740 | 88 |
| 14... | 1200 | 9 | 80513 | 80513 | 68 | 457 | 10.0 | .00 | 379 | 468 | 100 |
| MAR | | | | | | | | | | | |
| 13... | 0800 | 9 | 80513 | 80513 | -- | 2770 | 8.5 | .20 | 110 | 823 | 56 |
| APR | | | | | | | | | | | |
| 17... | 0830 | 9 | 80513 | 80513 | 67 | 3530 | 13.0 | .30 | 151 | 1440 | 54 |
| 17... | 0900 | 9 | 80513 | 80513 | 68 | 336 | 13.0 | .20 | 190 | 172 | 59 |
| MAY | | | | | | | | | | | |
| 15... | 0845 | 9 | 80513 | 80513 | 67 | 3430 | 20.0 | .50 | 296 | 2740 | 50 |
| 15... | 0915 | 9 | 80513 | 80513 | 68 | 298 | 20.0 | .30 | 89 | 72 | 98 |
| JUN | | | | | | | | | | | |
| 05... | 0845 | 9 | 80513 | 80513 | -- | 1100 | 25.0 | .30 | 102 | 303 | 87 |
| 19... | 0900 | 9 | 80513 | 80513 | -- | 380 | 27.0 | .30 | 85 | 87 | 96 |

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 09... | 1030 | 73 | 99 | 100 | -- | 1 | 2 | 71 | 95 | 100 | -- |
| JAN | | | | | | | | | | | |
| 17... | 0900 | 49 | 97 | 100 | -- | 1 | 1 | 22 | 88 | 99 | 100 |
| 17... | 1000 | 71 | 98 | 100 | -- | 63 | 81 | 97 | 99 | 100 | -- |
| FEB | | | | | | | | | | | |
| 14... | 1130 | 91 | 98 | 99 | 100 | 1 | 1 | 35 | 94 | 100 | -- |
| 14... | 1200 | -- | -- | -- | -- | 78 | 94 | 99 | 100 | -- | -- |
| MAR | | | | | | | | | | | |
| 13... | 0800 | 65 | 94 | 100 | -- | 0 | 0 | 38 | 96 | 100 | -- |
| APR | | | | | | | | | | | |
| 17... | 0830 | 65 | 95 | 100 | -- | 1 | 1 | 41 | 92 | 99 | 100 |
| 17... | 0900 | 83 | 98 | 100 | -- | 66 | 73 | 96 | 98 | 100 | -- |
| MAY | | | | | | | | | | | |
| 15... | 0845 | 60 | 71 | 90 | 100 | 2 | 3 | 32 | 87 | 99 | 100 |
| 15... | 0915 | 99 | 100 | -- | -- | 44 | 78 | 98 | 99 | 100 | -- |
| JUN | | | | | | | | | | | |
| 05... | 0845 | 94 | 97 | 100 | -- | 1 | 1 | 46 | 90 | 98 | 100 |
| 19... | 0900 | 97 | 98 | 100 | -- | 1 | 1 | 47 | 93 | 99 | 100 |

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 09... | 0830 | 9 | 80513 | 80513 | -- | 773 | 14.0 | .20 | 76 | 159 | 98 |
| JAN | | | | | | | | | | | |
| 17... | 1100 | 9 | 80513 | 80513 | 67 | 4080 | 2.0 | .40 | 88 | 969 | 69 |
| 17... | 1200 | 9 | 80513 | 80513 | 68 | 1950 | 2.0 | .30 | 59 | 311 | 73 |
| FEB | | | | | | | | | | | |
| 14... | 1400 | 9 | 80513 | 80513 | 67 | 4350 | 10.0 | .00 | 747 | 8770 | 88 |
| 14... | 1430 | 9 | 80513 | 80513 | 68 | 1060 | 10.0 | .00 | 514 | 1470 | 100 |
| MAR | | | | | | | | | | | |
| 14... | 0930 | 9 | 80513 | 80513 | -- | 3040 | 6.0 | .20 | 68 | 558 | 95 |
| APR | | | | | | | | | | | |
| 17... | 0945 | 9 | 80513 | 80513 | 67 | 3630 | 14.0 | .20 | 87 | 853 | 85 |
| 17... | 1015 | 9 | 80513 | 80513 | 68 | 183 | 14.0 | .20 | 106 | 52 | 92 |
| MAY | | | | | | | | | | | |
| 15... | 1015 | 9 | 80513 | 80513 | 67 | 3260 | 20.0 | .40 | 161 | 1420 | 83 |
| 15... | 1030 | 9 | 80513 | 80513 | 68 | 195 | 20.0 | .30 | 150 | 79 | 95 |
| JUN | | | | | | | | | | | |
| 05... | 1020 | 9 | 80513 | 80513 | -- | 1430 | 25.0 | .40 | 97 | 375 | 92 |
| 19... | 1015 | 9 | 80513 | 80513 | -- | 430 | 28.0 | .60 | 57 | 66 | 95 |

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 09... | 0830 | 98 | 99 | 100 | 12 | 14 | 71 | 97 | 100 | -- |
| JAN | | | | | | | | | | |
| 17... | 1100 | 77 | 94 | 100 | 0 | 0 | 13 | 72 | 97 | 100 |
| 17... | 1200 | 93 | 95 | 100 | 29 | 47 | 95 | 100 | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 1400 | 90 | 97 | 100 | 0 | 0 | 66 | 98 | 99 | 100 |
| 14... | 1430 | -- | -- | -- | 38 | 49 | 87 | 97 | 100 | -- |
| MAR | | | | | | | | | | |
| 14... | 0930 | 97 | 99 | 100 | 1 | 1 | 36 | 64 | 98 | 100 |
| APR | | | | | | | | | | |
| 17... | 0945 | 93 | 99 | 100 | 0 | 0 | 50 | 96 | 99 | 100 |
| 17... | 1015 | 94 | 97 | 100 | 76 | 83 | 93 | 99 | 100 | -- |
| MAY | | | | | | | | | | |
| 15... | 1015 | 88 | 96 | 100 | 1 | 1 | 26 | 78 | 98 | -- |
| 15... | 1030 | 96 | 98 | 100 | 90 | 92 | 95 | 98 | 100 | -- |
| JUN | | | | | | | | | | |
| 05... | 1020 | 92 | 95 | 100 | 1 | 1 | 39 | 94 | 100 | -- |
| 19... | 1015 | 95 | 96 | 100 | 3 | 3 | 28 | 87 | 99 | 100 |

07040350 BIG SLOUGH DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|
| NOV 08... | 1200 | 9 | 80513 | 80513 | .00 | 420 | 7.8 | 12.5 |
| JAN 17... | 1225 | 9 | 80513 | 80513 | .00 | 304 | 7.1 | 5.0 |
| FEB 14... | 1300 | 9 | 80513 | 80513 | 919 | 78 | 7.7 | 9.0 |
| MAR 13... | 0955 | 9 | 80513 | 80513 | .00 | 326 | 7.8 | 9.5 |
| APR 17... | 1030 | 9 | 80513 | 80513 | 316 | 280 | 7.9 | 15.0 |
| MAY 15... | 1200 | 9 | 80513 | 80513 | .00 | 280 | 8.3 | 21.0 |
| JUN 05... | 1030 | 9 | 80513 | 80513 | 349 | 340 | 8.0 | 24.0 |
| 19... | 1000 | 9 | 80513 | 80513 | .00 | 345 | 8.0 | 27.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|
| NOV 08... | 1200 | -- | 7.3 | 69 | 759 | -- | -- | -- |
| JAN 17... | 1225 | -- | 12.4 | 97 | 766 | -- | -- | -- |
| FEB 14... | 1300 | .00 | 8.8 | 76 | 759 | 205 | 509 | 100 |
| MAR 13... | 0955 | -- | 9.6 | 84 | 763 | -- | -- | -- |
| APR 17... | 1030 | .20 | 8.7 | 87 | 755 | 39 | 33 | 99 |
| MAY 15... | 1200 | -- | 7.8 | 87 | 766 | -- | -- | -- |
| JUN 05... | 1030 | .20 | 7.3 | 87 | 758 | 119 | 112 | 92 |
| 19... | 1000 | -- | 7.9 | 101 | 760 | -- | -- | -- |

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) | SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) |
|---|---|---|---|---|---|---|---|---|
| FEB 14... | 1300 | -- | -- | 29 | 65 | 97 | 99 | 100 |
| APR 17... | 1030 | 99 | 100 | 59 | 69 | 97 | 99 | 100 |
| JUN 05... | 1030 | 97 | 100 | 60 | 86 | 99 | 99 | 100 |

07040424 LOCUST CREEK DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| NOV 08... | 1600 | 9 | 80513 | 80513 | .00 | 150 | 7.9 | 15.0 | -- |
| JAN 17... | 1330 | 9 | 80513 | 80513 | .00 | 226 | 7.8 | 3.0 | -- |
| FEB 14... | 1600 | 9 | 80513 | 80513 | 203 | 88 | 7.4 | 10.0 | .00 |
| MAR 13... | 1200 | 9 | 80513 | 80513 | .00 | 278 | 7.6 | 9.0 | -- |
| APR 17... | 1230 | 9 | 80513 | 80513 | .00 | 252 | 7.9 | 17.0 | -- |
| MAY 15... | 1250 | 9 | 80513 | 80513 | 235 | 210 | 7.4 | 21.0 | .10 |
| JUN 05... | 1345 | 9 | 80513 | 80513 | .00 | 360 | 8.0 | 25.0 | -- |
| 19... | 1215 | 9 | 80513 | 80513 | .00 | 310 | 7.9 | 30.0 | -- |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 08... | 1600 | 5.8 | 58 | 760 | -- | -- | -- | -- |
| JAN 17... | 1330 | 9.3 | 69 | 766 | -- | -- | -- | -- |
| FEB 14... | 1600 | 8.8 | 78 | 758 | 196 | 107 | 98 | 98 |
| MAR 13... | 1200 | 8.5 | 73 | 764 | -- | -- | -- | -- |
| APR 17... | 1230 | 7.5 | 79 | 753 | -- | -- | -- | -- |
| MAY 15... | 1250 | 3.9 | 44 | 759 | 102 | 65 | 94 | 97 |
| JUN 05... | 1345 | 7.2 | 88 | 756 | -- | -- | -- | -- |
| 19... | 1215 | 7.9 | 105 | 759 | -- | -- | -- | -- |

| 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) |
|---|---|---|---|---|---|---|---|---|
| FEB 14... | 1600 | 99 | 100 | 68 | 81 | 99 | 99 | 100 |
| MAY 15... | 1250 | 98 | 100 | 94 | 95 | 99 | 100 | -- |

07040428 EIGHT MILE DITCH NEAR PARAGOULD, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| NOV 08... | 1500 | 9 | 80513 | 80513 | 12 | 295 | 7.9 | 16.0 | >.20 |
| JAN 17... | 1300 | 9 | 80513 | 80513 | .00 | 265 | 8.0 | 1.0 | -- |
| FEB 14... | 1645 | 9 | 80513 | 80513 | 109 | 99 | 7.5 | 12.5 | .00 |
| MAR 13... | 1100 | 9 | 80513 | 80513 | 108 | 156 | 7.6 | 8.0 | .20 |
| APR 17... | 1205 | 9 | 80513 | 80513 | .00 | 219 | 8.2 | 15.0 | -- |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 08... | 1500 | 8.8 | 89 | 760 | 45 | 1.5 | 86 | 87 |
| JAN 17... | 1300 | 12.0 | 84 | 766 | -- | -- | -- | -- |
| FEB 14... | 1645 | 9.1 | 86 | 758 | 231 | 68 | 96 | 97 |
| MAR 13... | 1100 | 10.5 | 88 | 764 | 95 | 28 | 88 | 92 |
| APR 17... | 1205 | 9.6 | 97 | 752 | -- | -- | -- | -- |

| 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 08... | 1500 | 97 | 100 | 1 | 1 | 14 | 72 | 100 |
| FEB 14... | 1645 | 99 | 100 | 6 | 7 | 24 | 45 | 100 |
| MAR 13... | 1100 | 96 | 100 | 2 | 2 | 31 | 91 | 100 |

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR

LOCATION.--Lat 35°49'16", long 90°25'56", in SE 1/4 sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1400 | 9 | 80513 | 80513 | -- | 320 | 261 | 8.2 | 18.0 |
| NOV | | | | | | | | | |
| 08... | 1130 | 9 | 80513 | 80513 | -- | 634 | 150 | 7.6 | 14.0 |
| JAN | | | | | | | | | |
| 17... | 1330 | 9 | 80513 | 80513 | 67 | 1650 | 127 | 7.0 | .0 |
| 17... | 1445 | 9 | 80513 | 80513 | 68 | 4450 | 124 | 7.0 | 1.0 |
| FEB | | | | | | | | | |
| 15... | 0830 | 9 | 80513 | 80513 | 67 | 1520 | 120 | 7.5 | 12.0 |
| 15... | 0930 | 9 | 80513 | 80513 | 68 | 3470 | 120 | 7.5 | 12.0 |
| MAR | | | | | | | | | |
| 13... | 1115 | 9 | 80513 | 80513 | 67 | 1340 | 169 | 7.6 | 7.0 |
| 13... | 1200 | 9 | 80513 | 80513 | 68 | 1840 | 178 | 7.8 | 7.0 |
| APR | | | | | | | | | |
| 17... | 1400 | 9 | 80513 | 80513 | 67 | 1400 | 167 | 7.9 | 14.5 |
| 17... | 1500 | 9 | 80513 | 80513 | 68 | 3040 | 167 | 7.9 | 15.0 |
| MAY | | | | | | | | | |
| 15... | 1300 | 9 | 80513 | 80513 | 67 | 1340 | 133 | 7.5 | 20.0 |
| 15... | 1330 | 9 | 80513 | 80513 | 68 | 4430 | 133 | 7.6 | 20.0 |
| JUN | | | | | | | | | |
| 05... | 1440 | 9 | 80513 | 80513 | 67 | 1100 | 170 | 7.7 | 23.5 |
| 05... | 1515 | 9 | 80513 | 80513 | 68 | 1410 | 170 | 7.7 | 23.0 |
| 19... | 1130 | 9 | 80513 | 80513 | -- | 608 | 385 | 7.7 | 27.5 |
| JUL | | | | | | | | | |
| 16... | 1420 | 9 | 80513 | 80513 | -- | 1040 | 152 | 7.7 | 27.5 |
| AUG | | | | | | | | | |
| 14... | 0745 | 9 | 80513 | 80513 | -- | 300 | 326 | 8.4 | 28.0 |
| SEP | | | | | | | | | |
| 12... | 0800 | 9 | 80513 | 80513 | -- | 376 | 200 | 7.7 | 24.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1400 | .10 | 8.0 | 85 | 761 | 100 | 86 | 99 | 99 |
| NOV | | | | | | | | | |
| 08... | 1130 | .40 | 4.8 | 47 | 759 | 175 | 300 | 97 | 98 |
| JAN | | | | | | | | | |
| 17... | 1330 | .70 | 11.4 | 78 | 765 | 19 | 85 | 77 | 93 |
| 17... | 1445 | .70 | 12.9 | 90 | 766 | 19 | 228 | 96 | 96 |
| FEB | | | | | | | | | |
| 15... | 0830 | .00 | 8.2 | 76 | 759 | 108 | 443 | 85 | 87 |
| 15... | 0930 | .00 | 8.2 | 76 | 759 | 97 | 909 | 98 | 98 |
| MAR | | | | | | | | | |
| 13... | 1115 | .50 | 10.0 | 83 | 760 | 28 | 101 | 91 | 92 |
| 13... | 1200 | .50 | 8.8 | 73 | 760 | 21 | 104 | 95 | 97 |
| APR | | | | | | | | | |
| 17... | 1400 | .20 | 8.3 | 82 | 753 | 37 | 140 | 90 | 92 |
| 17... | 1500 | .20 | 8.6 | 86 | 753 | 34 | 279 | 87 | 94 |
| MAY | | | | | | | | | |
| 15... | 1300 | .20 | 5.2 | 57 | 766 | 143 | 517 | 97 | 98 |
| 15... | 1330 | .20 | 5.2 | 57 | 766 | 125 | 1500 | 97 | 98 |
| JUN | | | | | | | | | |
| 05... | 1440 | .20 | 5.6 | 67 | 756 | 113 | 336 | 87 | 93 |
| 05... | 1515 | .20 | 5.7 | 67 | 756 | 105 | 400 | 89 | 94 |
| 19... | 1130 | .20 | 5.2 | 66 | 760 | 114 | 187 | 96 | 98 |
| JUL | | | | | | | | | |
| 16... | 1420 | .10 | 3.8 | 48 | 758 | 342 | 960 | 93 | 98 |
| AUG | | | | | | | | | |
| 14... | 0745 | .20 | 5.5 | 71 | 759 | 76 | 62 | 97 | 97 |
| SEP | | | | | | | | | |
| 12... | 0800 | .10 | 5.1 | 61 | 761 | 128 | 130 | 96 | 96 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344) | SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1400 | 99 | 100 | 7 | 8 | 16 | 71 | 100 | -- |
| NOV | | | | | | | | | |
| 08... | 1130 | 99 | 100 | 5 | 16 | 80 | 94 | 100 | -- |
| JAN | | | | | | | | | |
| 17... | 1330 | 96 | 100 | 2 | 24 | 97 | 99 | 100 | -- |
| 17... | 1445 | 98 | 100 | 29 | 42 | 73 | 86 | 94 | 100 |
| FEB | | | | | | | | | |
| 15... | 0830 | 98 | 100 | 2 | 5 | 75 | 98 | 100 | -- |
| 15... | 0930 | 99 | 100 | 9 | 15 | 68 | 98 | 100 | -- |
| MAR | | | | | | | | | |
| 13... | 1115 | 94 | 100 | 4 | 14 | 92 | 100 | -- | -- |
| 13... | 1200 | 98 | 100 | 1 | 1 | 55 | 97 | 100 | -- |
| APR | | | | | | | | | |
| 17... | 1400 | 94 | 100 | 0 | 0 | 32 | 94 | 100 | -- |
| 17... | 1500 | 98 | 100 | 1 | 3 | 61 | 99 | 100 | -- |
| MAY | | | | | | | | | |
| 15... | 1300 | 99 | 100 | 1 | 8 | 87 | 99 | 100 | -- |
| 15... | 1330 | 99 | 100 | 2 | 4 | 61 | 98 | 100 | -- |
| JUN | | | | | | | | | |
| 05... | 1440 | 95 | 100 | 6 | 16 | 84 | 99 | 100 | -- |
| 05... | 1515 | 96 | 100 | 5 | 9 | 68 | 97 | 100 | -- |
| 19... | 1130 | 99 | 100 | 1 | 1 | 50 | 97 | 100 | -- |
| JUL | | | | | | | | | |
| 16... | 1420 | 99 | 100 | 9 | 21 | 92 | 99 | 100 | -- |
| AUG | | | | | | | | | |
| 14... | 0745 | 98 | 100 | 3 | 5 | 62 | 95 | 100 | -- |
| SEP | | | | | | | | | |
| 12... | 0800 | 97 | 100 | 32 | 42 | 88 | 98 | 100 | -- |

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 08... | 1400 | 9 | 80513 | 80513 | .00 | 462 | 7.8 | 15.0 | -- |
| JAN | | | | | | | | | |
| 17... | 1430 | 9 | 80513 | 80513 | .00 | 409 | 8.1 | 6.5 | -- |
| FEB | | | | | | | | | |
| 15... | 1115 | 9 | 80513 | 80513 | 534 | 322 | 7.5 | 13.0 | 1.10 |
| MAR | | | | | | | | | |
| 13... | 1300 | 9 | 80513 | 80513 | 427 | 413 | 7.0 | 10.5 | .20 |
| APR | | | | | | | | | |
| 17... | 1400 | 9 | 80513 | 80513 | 511 | 412 | 8.1 | 14.5 | .90 |
| MAY | | | | | | | | | |
| 15... | 1415 | 9 | 80513 | 80513 | 499 | 410 | 8.0 | 20.0 | .60 |
| JUN | | | | | | | | | |
| 05... | 1615 | 9 | 80513 | 80513 | .00 | 410 | 8.1 | 25.0 | -- |
| 19... | 1330 | 9 | 80513 | 80513 | 256 | 415 | 7.9 | 27.0 | .30 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | |
| 08... | 1400 | 7.7 | 77 | 760 | -- | -- | -- | -- |
| JAN | | | | | | | | |
| 17... | 1430 | 9.6 | 78 | 766 | -- | -- | -- | -- |
| FEB | | | | | | | | |
| 15... | 1115 | 7.1 | 68 | 760 | 47 | 68 | 97 | 98 |
| MAR | | | | | | | | |
| 13... | 1300 | 8.0 | 71 | 765 | 36 | 42 | 90 | 94 |
| APR | | | | | | | | |
| 17... | 1400 | 8.3 | 83 | 752 | 48 | 66 | 95 | 96 |
| MAY | | | | | | | | |
| 15... | 1415 | 4.8 | 53 | 758 | 126 | 170 | 70 | 91 |
| JUN | | | | | | | | |
| 05... | 1615 | 7.0 | 86 | 756 | -- | -- | -- | -- |
| 19... | 1330 | 5.6 | 71 | 759 | 67 | 46 | 94 | 97 |

| 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) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 15... | 1115 | 100 | -- | 6 | 32 | 94 | 99 | 100 |
| MAR | | | | | | | | |
| 13... | 1300 | 96 | 100 | 26 | 40 | 92 | 98 | 100 |
| APR | | | | | | | | |
| 17... | 1400 | 98 | 100 | 19 | 56 | 91 | 99 | 100 |
| MAY | | | | | | | | |
| 15... | 1415 | 96 | 100 | 7 | 35 | 93 | 99 | 100 |
| JUN | | | | | | | | |
| 19... | 1330 | 100 | -- | 12 | 48 | 93 | 99 | 100 |

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1200 | 9 | 80513 | 80513 | 285 | 385 | 8.3 | 19.0 | .00 |
| NOV | | | | | | | | | |
| 08... | 0900 | 9 | 80513 | 80513 | 1570 | 160 | 7.9 | 14.0 | .20 |
| JAN | | | | | | | | | |
| 18... | 0930 | 9 | 80513 | 80513 | 2380 | 254 | 7.0 | 1.5 | .70 |
| FEB | | | | | | | | | |
| 15... | 1130 | 9 | 80513 | 80513 | 8070 | 152 | 7.5 | 8.0 | .00 |
| MAR | | | | | | | | | |
| 13... | 1445 | 9 | 80513 | 80513 | 2460 | 321 | 7.9 | 8.0 | .40 |
| APR | | | | | | | | | |
| 18... | 0800 | 9 | 80513 | 80513 | 3170 | 305 | 8.1 | 14.0 | .10 |
| MAY | | | | | | | | | |
| 16... | 1100 | 9 | 80513 | 80513 | 10600 | 170 | 7.5 | 20.5 | .20 |
| JUN | | | | | | | | | |
| 05... | 1630 | 9 | 80513 | 80513 | 1820 | 375 | 8.3 | 25.5 | .30 |
| 19... | 1300 | 9 | 80513 | 80513 | 1420 | 385 | 8.1 | 28.0 | .20 |
| JUL | | | | | | | | | |
| 17... | 0850 | 9 | 80513 | 80513 | 1430 | 300 | 8.3 | 29.5 | .20 |
| AUG | | | | | | | | | |
| 14... | 1100 | 9 | 80513 | 80513 | 859 | 319 | 8.4 | 30.5 | .30 |
| SEP | | | | | | | | | |
| 12... | 0930 | 9 | 80513 | 80513 | 970 | 288 | 8.0 | 25.0 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1200 | 8.0 | 86 | 762 | 50 | 38 | 98 | 99 | 100 |
| NOV | | | | | | | | | |
| 08... | 0900 | 5.0 | 49 | 760 | 367 | 1560 | 97 | 99 | 99 |
| JAN | | | | | | | | | |
| 18... | 0930 | 10.6 | 75 | 767 | 45 | 289 | 86 | 95 | 98 |
| FEB | | | | | | | | | |
| 15... | 1130 | 8.1 | 69 | 760 | 612 | 13300 | 92 | 95 | 99 |
| MAR | | | | | | | | | |
| 13... | 1445 | 11.6 | 98 | 762 | 62 | 412 | 98 | 98 | 98 |
| APR | | | | | | | | | |
| 18... | 0800 | 8.2 | 80 | 757 | 89 | 762 | 99 | 99 | 100 |
| MAY | | | | | | | | | |
| 16... | 1100 | 6.1 | 67 | 767 | 233 | 6670 | 97 | 98 | 99 |
| JUN | | | | | | | | | |
| 05... | 1630 | 9.7 | 120 | 755 | 94 | 462 | 94 | 96 | 100 |
| 19... | 1300 | 5.9 | 76 | 760 | 90 | 345 | 99 | 99 | 99 |
| JUL | | | | | | | | | |
| 17... | 0850 | 6.1 | 81 | 753 | 80 | 309 | 99 | 99 | 100 |
| AUG | | | | | | | | | |
| 14... | 1100 | 7.5 | 100 | 762 | 52 | 121 | 98 | 98 | 99 |
| SEP | | | | | | | | | |
| 12... | 0930 | 6.0 | 73 | 762 | 136 | 356 | 96 | 96 | 97 |

07046600 RICHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 1200 | -- | -- | 100 | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | |
| 08... | 0900 | 100 | -- | 99 | 99 | 99 | 100 | -- | -- |
| JAN | | | | | | | | | |
| 18... | 0930 | 100 | -- | 1 | 9 | 95 | 100 | -- | -- |
| FEB | | | | | | | | | |
| 15... | 1130 | 99 | 100 | 22 | 31 | 77 | 94 | 97 | 100 |
| MAR | | | | | | | | | |
| 13... | 1445 | 100 | -- | 6 | 41 | 96 | 100 | -- | -- |
| APR | | | | | | | | | |
| 18... | 0800 | -- | -- | 1 | 1 | 54 | 99 | 100 | -- |
| MAY | | | | | | | | | |
| 16... | 1100 | 100 | -- | 1 | 1 | 42 | 98 | 100 | -- |
| JUN | | | | | | | | | |
| 05... | 1630 | -- | -- | 3 | 3 | 37 | 92 | 100 | -- |
| 19... | 1300 | 100 | -- | 9 | 11 | 55 | 97 | 100 | -- |
| JUL | | | | | | | | | |
| 17... | 0850 | -- | -- | 1 | 1 | 47 | 97 | 100 | -- |
| AUG | | | | | | | | | |
| 14... | 1100 | 99 | 100 | 9 | 10 | 49 | 98 | 100 | -- |
| SEP | | | | | | | | | |
| 12... | 0930 | 100 | -- | 17 | 18 | 52 | 97 | 100 | -- |

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

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--35°16'23", long 90°33'33", in NE 1/4 SE 1/4 sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0

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

WATER-QUALITY RECORDS

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1345 | 9 | 80513 | 80010 | 288 | 357 | 8.0 | 19.0 | 100 | 6.1 | 66 |
| JAN 23... | 1030 | 9 | 80513 | 80010 | 583 | 460 | 7.2 | .0 | 8.0 | 7.6 | 52 |
| APR 12... | 1225 | 9 | 80513 | 80010 | 3700 | 194 | 7.8 | 14.0 | 50 | 7.7 | 75 |
| JUL 03... | 1300 | 9 | 80513 | 80010 | 1650 | 440 | 7.6 | 29.0 | 50 | 5.8 | 76 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1345 | 764 | 1100 | K19000 | 150 | 7 | 7 | 42 | 11 | 11 | 14 |
| JAN 23... | 1030 | 760 | 630 | 700 | 200 | 0 | 0 | 57 | 15 | 10 | 10 |
| APR 12... | 1225 | 760 | K100 | 1600 | 78 | 1 | 1 | 22 | 5.6 | 4.3 | 10 |
| JUL 03... | 1300 | 759 | K40 | 110 | 180 | 0 | 0 | 52 | 13 | 10 | 10 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1345 | .4 | 1.7 | 144 | 20 | 9.9 | .20 | 14 | 212 | 200 | .29 |
| JAN 23... | 1030 | .3 | 2.4 | 204 | 27 | 6.0 | .30 | 18 | 269 | 260 | .37 |
| APR 12... | 1225 | .2 | 2.3 | 77 | 11 | 4.2 | .10 | 8.4 | 125 | 100 | .17 |
| JUL 03... | 1300 | .3 | 2.6 | 186 | 20 | 11 | .20 | 15 | 260 | 240 | .35 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1345 | .190 | .080 | .70 | .280 | .090 | .070 | 10 | 1 | 440 | <.5 |
| JAN 23... | 1030 | .200 | .290 | 1.1 | .140 | .070 | .040 | 20 | 1 | 280 | <.5 |
| APR 12... | 1225 | .670 | .240 | 4.2 | .290 | .080 | .050 | 10 | 1 | 92 | <.5 |
| JUL 03... | 1300 | <.100 | .070 | .90 | .120 | .130 | .120 | <10 | 3 | 210 | <.0 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 18... | 1345 | 1 | 20 | <3 | 9 | 27 | 1 | <4 | 2 | <.1 |
| JAN | | | | | | | | | | |
| 23... | 1030 | <1 | 2 | <3 | 6 | 9 | 4 | 5 | 310 | <.1 |
| APR | | | | | | | | | | |
| 12... | 1225 | <1 | 30 | <3 | 3 | 88 | 2 | 6 | 2 | <.1 |
| JUL | | | | | | | | | | |
| 03... | 1300 | <1 | 2 | <3 | 3 | 19 | <1 | 11 | 11 | <.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) | 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 | | | | | | | | | | |
| 18... | 1345 | <10 | 3 | <1 | <1 | 160 | 100 | 158 | 123 | 98 |
| JAN | | | | | | | | | | |
| 23... | 1030 | <10 | 2 | <1 | <1 | 230 | 7 | 14 | 22 | 85 |
| APR | | | | | | | | | | |
| 12... | 1225 | <10 | 12 | <1 | <1 | 91 | 11 | 685 | 6840 | 98 |
| JUL | | | | | | | | | | |
| 03... | 1300 | <10 | 1 | 1 | 3 | 210 | <3 | 93 | 414 | 87 |

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 08... | 1100 | 9 | 80513 | 80513 | 67 | 2570 | 240 | 7.9 | 14.0 | .20 |
| 08... | 1200 | 9 | 80513 | 80513 | 68 | 302 | -- | -- | 14.0 | .20 |
| JAN | | | | | | | | | | |
| 18... | 0900 | 9 | 80513 | 80513 | 67 | 5910 | 155 | 7.7 | .5 | .40 |
| 18... | 0930 | 9 | 80513 | 80513 | 68 | 2030 | -- | -- | .5 | .40 |
| 18... | 1030 | 9 | 80513 | 80513 | 68 | 40 | -- | -- | .5 | .40 |
| 18... | 1130 | 9 | 80513 | 80513 | 68 | 30 | -- | -- | .5 | .40 |
| FEB | | | | | | | | | | |
| 15... | 1400 | 9 | 80513 | 80513 | 67 | 6500 | 153 | 7.3 | 12.0 | .00 |
| 15... | 1430 | 9 | 80513 | 80513 | 68 | 2230 | -- | -- | 12.0 | .00 |
| 15... | 1500 | 9 | 80513 | 80513 | 68 | 86 | -- | -- | 12.0 | .00 |
| 15... | 1530 | 9 | 80513 | 80513 | 68 | 196 | -- | -- | 12.0 | .00 |
| MAR | | | | | | | | | | |
| 14... | 0730 | 9 | 80513 | 80513 | 67 | 4130 | 229 | 7.8 | 7.0 | .20 |
| 14... | 0800 | 9 | 80513 | 80513 | 68 | 1000 | -- | -- | 7.5 | .20 |
| APR | | | | | | | | | | |
| 18... | 0700 | 9 | 80513 | 80513 | 67 | 7170 | 200 | 8.0 | 14.0 | .20 |
| 18... | 0730 | 9 | 80513 | 80513 | 68 | 2370 | -- | -- | 15.0 | .10 |
| 18... | 0800 | 9 | 80513 | 80513 | 68 | 90 | -- | -- | 12.0 | .20 |
| 18... | 0830 | 9 | 80513 | 80513 | 68 | 173 | -- | -- | 15.0 | .10 |
| MAY | | | | | | | | | | |
| 16... | 0730 | 9 | 80513 | 80513 | 67 | 8830 | 120 | 7.2 | 19.0 | .20 |
| 16... | 0800 | 9 | 80513 | 80513 | 68 | 3470 | 130 | 7.3 | 19.0 | .20 |
| 16... | 0830 | 9 | 80513 | 80513 | 68 | 3600 | -- | -- | 19.0 | .20 |
| 16... | 0900 | 9 | 80513 | 80513 | 68 | 4940 | -- | -- | 19.0 | .20 |
| 16... | 0930 | 9 | 80513 | 80513 | 68 | 321 | -- | -- | 19.0 | .20 |
| JUN | | | | | | | | | | |
| 06... | 0730 | 9 | 80513 | 80513 | 67 | 4380 | 220 | 7.8 | 23.0 | .10 |
| 06... | 0800 | 9 | 80513 | 80513 | 68 | 644 | -- | -- | 23.0 | .20 |
| 19... | 1500 | 9 | 80513 | 80513 | -- | 1940 | 320 | 7.9 | 28.0 | .20 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 08... | 1100 | 8.7 | 85 | 754 | 175 | 1210 | 75 | 82 | 95 |
| 08... | 1200 | -- | -- | -- | 157 | 128 | 96 | 96 | 97 |
| JAN | | | | | | | | | |
| 18... | 0900 | 12.5 | 86 | 770 | 91 | 1450 | 23 | 32 | 60 |
| 18... | 0930 | -- | -- | -- | 307 | 1680 | 12 | 29 | 97 |
| 18... | 1030 | -- | -- | -- | 51 | 5.5 | 94 | 97 | 98 |
| 18... | 1130 | -- | -- | -- | 104 | 8.4 | 98 | 98 | 98 |
| FEB | | | | | | | | | |
| 15... | 1400 | 8.1 | 76 | 758 | 334 | 5860 | 85 | 89 | 96 |
| 15... | 1430 | -- | -- | -- | 298 | 1790 | 96 | 98 | 99 |
| 15... | 1500 | -- | -- | -- | 346 | 80 | 99 | 99 | 99 |
| 15... | 1530 | -- | -- | -- | 417 | 221 | 99 | 99 | 100 |
| MAR | | | | | | | | | |
| 14... | 0730 | 10.9 | 89 | 767 | 92 | 1030 | 63 | 69 | 83 |
| 14... | 0800 | -- | -- | -- | 53 | 143 | 98 | 98 | 99 |
| APR | | | | | | | | | |
| 18... | 0700 | 8.5 | 83 | 757 | 82 | 1590 | 64 | 67 | 95 |
| 18... | 0730 | -- | -- | -- | 67 | 429 | 82 | 90 | 95 |
| 18... | 0800 | -- | -- | -- | 100 | 24 | 91 | 93 | 95 |
| 18... | 0830 | -- | -- | -- | 97 | 45 | 98 | 98 | 99 |
| MAY | | | | | | | | | |
| 16... | 0730 | 7.0 | 75 | 764 | 125 | 2980 | 97 | 98 | 99 |
| 16... | 0800 | 7.0 | 75 | 764 | 134 | 1260 | 99 | 99 | 100 |
| 16... | 0830 | -- | -- | -- | 167 | 1620 | 100 | -- | -- |
| 16... | 0900 | -- | -- | -- | 220 | 2930 | 100 | -- | -- |
| 16... | 0930 | -- | -- | -- | 228 | 198 | 99 | 99 | 99 |
| JUN | | | | | | | | | |
| 06... | 0730 | 7.2 | 84 | 758 | 159 | 1880 | 71 | 75 | 90 |
| 06... | 0800 | -- | -- | -- | 120 | 209 | 95 | 98 | 99 |
| 19... | 1500 | 6.7 | 86 | 760 | 113 | 592 | 62 | 64 | 70 |

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 08... | 1100 | 99 | 100 | 4 | 21 | 55 | 79 | 99 | 100 |
| 08... | 1200 | 100 | -- | 49 | 64 | 91 | 97 | 100 | -- |
| JAN | | | | | | | | | |
| 18... | 0900 | 94 | 100 | 0 | 0 | 21 | 97 | 100 | -- |
| 18... | 0930 | 100 | -- | 7 | 15 | 80 | 99 | 100 | -- |
| 18... | 1030 | 100 | -- | 51 | 60 | 78 | 94 | 97 | 100 |
| 18... | 1130 | 99 | 100 | 2 | 3 | 32 | 89 | 99 | 100 |
| FEB | | | | | | | | | |
| 15... | 1400 | 100 | -- | 1 | 1 | 3 | 77 | 99 | 100 |
| 15... | 1430 | 100 | -- | 5 | 14 | 71 | 96 | 100 | -- |
| 15... | 1500 | 100 | -- | 42 | 46 | 70 | 95 | 100 | -- |
| 15... | 1530 | -- | -- | 12 | 14 | 24 | 30 | 31 | -- |
| MAR | | | | | | | | | |
| 14... | 0730 | 97 | 100 | 19 | 30 | 85 | 98 | 100 | -- |
| 14... | 0800 | 100 | -- | 53 | 65 | 93 | 99 | 100 | -- |
| APR | | | | | | | | | |
| 18... | 0700 | 97 | 100 | 0 | 0 | 38 | 99 | 100 | -- |
| 18... | 0730 | 97 | 100 | 0 | 0 | 34 | 99 | 100 | -- |
| 18... | 0800 | 100 | -- | 59 | 66 | 83 | 95 | 97 | 100 |
| 18... | 0830 | 100 | -- | 29 | 32 | 49 | 60 | 63 | -- |
| MAY | | | | | | | | | |
| 16... | 0730 | 100 | -- | 0 | 0 | 28 | 98 | 100 | -- |
| 16... | 0800 | -- | -- | 46 | 67 | 87 | 98 | 100 | -- |
| 16... | 0830 | -- | -- | 8 | 9 | 11 | 89 | 98 | -- |
| 16... | 0900 | -- | -- | 54 | 59 | 80 | 94 | 97 | -- |
| 16... | 0930 | 100 | -- | 31 | 35 | 66 | 93 | 100 | -- |
| JUN | | | | | | | | | |
| 06... | 0730 | 100 | -- | 0 | 0 | 5 | 78 | 100 | -- |
| 06... | 0800 | 100 | -- | 3 | 5 | 32 | 90 | 100 | -- |
| 19... | 1500 | 100 | -- | 3 | 3 | 11 | 93 | 100 | -- |

## 07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 08... | 0900 | 9 | 80513 | 80513 | -- | 1750 | 14.0 | .20 | 172 | 813 | 93 |
| JAN | | | | | | | | | | | |
| 18... | 1300 | 9 | 80513 | 80513 | -- | 7920 | 8.5 | .40 | 150 | 3210 | 29 |
| FEB | | | | | | | | | | | |
| 16... | 0930 | 9 | 80513 | 80513 | -- | 8800 | 11.5 | .00 | 518 | 12300 | 60 |
| MAR | | | | | | | | | | | |
| 14... | 1115 | 9 | 80513 | 80513 | -- | 4810 | 10.5 | .20 | 101 | 1310 | 69 |
| APR | | | | | | | | | | | |
| 18... | 1130 | 9 | 80513 | 80513 | -- | 9270 | 17.0 | .20 | 68 | 1700 | 60 |
| MAY | | | | | | | | | | | |
| 16... | 1220 | 9 | 80513 | 80513 | 67 | 16800 | 20.0 | .20 | 197 | 8940 | 87 |
| 16... | 1250 | 9 | 80513 | 80513 | 68 | 3350 | 20.0 | .00 | 195 | 1760 | 85 |
| JUN | | | | | | | | | | | |
| 06... | 1130 | 9 | 80513 | 80513 | -- | 5230 | 25.0 | .20 | 147 | 2080 | 88 |
| 20... | 0835 | 9 | 80513 | 80513 | -- | 1750 | 28.0 | .20 | 90 | 425 | 98 |

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 08... | 0900 | 98 | 99 | 100 | -- | 18 | 47 | 77 | 99 | 100 |
| JAN | | | | | | | | | | |
| 18... | 1300 | 42 | 97 | 100 | -- | 1 | 1 | 58 | 94 | 100 |
| FEB | | | | | | | | | | |
| 16... | 0930 | 65 | 96 | 100 | -- | 0 | 0 | 68 | 99 | 100 |
| MAR | | | | | | | | | | |
| 14... | 1115 | 77 | 97 | 100 | -- | 1 | 1 | 71 | 99 | 100 |
| APR | | | | | | | | | | |
| 18... | 1130 | 67 | 96 | 100 | -- | 1 | 1 | 62 | 99 | 100 |
| MAY | | | | | | | | | | |
| 16... | 1220 | 93 | 98 | 100 | -- | 1 | 1 | 56 | 98 | 100 |
| 16... | 1250 | 89 | 97 | 99 | 100 | 6 | 7 | 14 | 33 | 49 |
| JUN | | | | | | | | | | |
| 06... | 1130 | 94 | 98 | 100 | -- | 3 | 4 | 75 | 99 | 100 |
| 20... | 0835 | 98 | 98 | 100 | -- | 1 | 2 | 67 | 98 | 100 |

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | |
| 07... | 1300 | 9 | 80513 | 80513 | 72 | 450 | 8.5 | 15.0 | .20 |
| JAN | | | | | | | | | |
| 18... | 1400 | 9 | 80513 | 80513 | .00 | 391 | 8.1 | 5.0 | -- |
| FEB | | | | | | | | | |
| 16... | 1015 | 9 | 80513 | 80513 | 577 | 171 | 7.6 | 13.0 | .00 |
| MAR | | | | | | | | | |
| 14... | 1215 | 9 | 80513 | 80513 | 520 | 334 | 7.2 | 11.0 | .20 |
| APR | | | | | | | | | |
| 18... | 1200 | 9 | 80513 | 80513 | .00 | 362 | 8.1 | 16.0 | -- |
| MAY | | | | | | | | | |
| 16... | 1315 | 9 | 80513 | 80513 | .00 | 310 | 7.8 | 20.0 | -- |
| JUN | | | | | | | | | |
| 06... | 1205 | 9 | 80513 | 80513 | .00 | 500 | 7.7 | 25.0 | -- |
| 20... | 0930 | 9 | 80513 | 80513 | 235 | 420 | 7.9 | 28.0 | .40 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | |
| 07... | 1300 | 12.2 | 121 | 761 | 38 | 7.4 | 96 | 96 |
| JAN | | | | | | | | |
| 18... | 1400 | 11.4 | 89 | 768 | -- | -- | -- | -- |
| FEB | | | | | | | | |
| 16... | 1015 | 8.1 | 78 | 754 | 114 | 178 | 98 | 99 |
| MAR | | | | | | | | |
| 14... | 1215 | 10.0 | 90 | 768 | 71 | 100 | 99 | 99 |
| APR | | | | | | | | |
| 18... | 1200 | 9.6 | 98 | 757 | -- | -- | -- | -- |
| MAY | | | | | | | | |
| 16... | 1315 | 9.2 | 102 | 760 | -- | -- | -- | -- |
| JUN | | | | | | | | |
| 06... | 1205 | 7.4 | 90 | 758 | -- | -- | -- | -- |
| 20... | 0930 | 4.5 | 58 | 760 | 107 | 68 | 70 | 83 |

| 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 | | | | | | | | |
| 07... | 1300 | 98 | 100 | 9 | 29 | 97 | 100 | -- |
| FEB | | | | | | | | |
| 16... | 1015 | 100 | -- | 0 | 0 | 9 | 12 | 13 |
| MAR | | | | | | | | |
| 14... | 1215 | 100 | -- | 2 | 4 | 88 | 99 | 100 |
| JUN | | | | | | | | |
| 20... | 0930 | 95 | 100 | 9 | 14 | 92 | 100 | -- |

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

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--Lat 35°15'34", long 90°40'48", in W 1/2 sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi west of Parkin.

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

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1215 | 9 | 80513 | 80010 | 791 | 450 | 8.1 | 18.0 | 22 | -- | 6.4 |
| 18... | 1400 | 9 | 80513 | 80513 | 773 | 321 | 8.3 | 19.0 | -- | .20 | 8.1 |
| NOV | | | | | | | | | | | |
| 07... | 1300 | 9 | 80513 | 80513 | 1110 | 350 | 8.3 | 14.5 | -- | .00 | 6.8 |
| JAN | | | | | | | | | | | |
| 03... | 1315 | 9 | 80513 | 80010 | 9670 | 240 | 7.2 | .0 | 17 | -- | 9.1 |
| 25... | 1100 | 9 | 80513 | 80513 | 11800 | 151 | 7.3 | 1.0 | -- | .20 | 11.4 |
| FEB | | | | | | | | | | | |
| 16... | 1400 | 9 | 80513 | 80010 | 9550 | 155 | 7.6 | 13.0 | 100 | .00 | 8.1 |
| MAR | | | | | | | | | | | |
| 14... | 1000 | 9 | 80513 | 80513 | 5860 | 232 | 7.6 | 8.0 | -- | .20 | 9.2 |
| APR | | | | | | | | | | | |
| 12... | 1135 | 9 | 80513 | 80010 | 16500 | 150 | 7.7 | 14.0 | 55 | -- | 7.8 |
| 18... | 1400 | 9 | 80513 | 80513 | 10300 | 200 | 7.8 | 15.0 | -- | .20 | 8.0 |
| MAY | | | | | | | | | | | |
| 17... | 0800 | 9 | 80513 | 80513 | 20100 | 112 | 7.6 | 20.5 | -- | .20 | 6.8 |
| JUN | | | | | | | | | | | |
| 06... | 1030 | 9 | 80513 | 80513 | 5530 | 229 | 7.8 | 24.0 | -- | .20 | 6.2 |
| 20... | 0930 | 9 | 80513 | 80513 | 2060 | 316 | 8.3 | 28.0 | -- | .20 | 7.0 |
| 27... | 1150 | 9 | 80513 | 80010 | 1720 | 362 | 8.2 | 26.5 | 38 | -- | 7.3 |
| JUL | | | | | | | | | | | |
| 17... | 1330 | 9 | 80513 | 80513 | 2080 | 246 | 7.9 | 28.0 | -- | .20 | 6.2 |
| AUG | | | | | | | | | | | |
| 15... | 1130 | 9 | 80513 | 80010 | 590 | 311 | 8.4 | 29.5 | 1.5 | .30 | 7.3 |
| SEP | | | | | | | | | | | |
| 12... | 1330 | 9 | 80513 | 80513 | 1790 | 270 | 8.3 | 25.5 | -- | .10 | 6.6 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1215 | 68 | 762 | K33 | 9400 | 210 | 0 | 0 | 58 | 15 | 12 |
| 18... | 1400 | 87 | 764 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 07... | 1300 | 67 | 759 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | | | |
| 03... | 1315 | 62 | 768 | K11 | 110 | 110 | 7 | 7 | 29 | 8.7 | 5.7 |
| 25... | 1100 | 80 | 765 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 16... | 1400 | 77 | 760 | K180 | 5900 | 66 | 7 | 7 | 17 | 5.6 | 4.3 |
| MAR | | | | | | | | | | | |
| 14... | 1000 | 78 | 760 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 12... | 1135 | 76 | 760 | K33 | 640 | 61 | 4 | 4 | 16 | 5.0 | 3.4 |
| 18... | 1400 | 80 | 758 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 17... | 0800 | 75 | 768 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 06... | 1030 | 74 | 759 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 0930 | 90 | 760 | -- | -- | -- | -- | -- | -- | -- | -- |
| 27... | 1150 | 92 | 755 | K17 | K16 | 150 | 0 | 0 | 40 | 11 | 7.5 |
| JUL | | | | | | | | | | | |
| 17... | 1330 | 80 | 755 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 1130 | 96 | 762 | K22 | 210 | 150 | 13 | 13 | 43 | 11 | 8.6 |
| SEP | | | | | | | | | | | |
| 12... | 1330 | 81 | 762 | -- | -- | -- | -- | -- | -- | -- | -- |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1215 | 11 | .4 | 1.8 | 214 | 21 | 9.3 | .20 | 16 | 269 | 260 |
| JAN 03... | 1315 | 10 | .2 | 2.0 | 102 | 17 | 5.4 | <.10 | 13 | 131 | 140 |
| FEB 16... | 1400 | 12 | .2 | 2.2 | 59 | 11 | 4.7 | <.10 | 6.4 | 99 | 87 |
| APR 12... | 1135 | 11 | .2 | 1.8 | 57 | 11 | 5.9 | .10 | 7.2 | 110 | 85 |
| JUN 27... | 1150 | 10 | .3 | 2.2 | 148 | 16 | 7.1 | .20 | 14 | 231 | 190 |
| AUG 15... | 1130 | 11 | .3 | 2.1 | 140 | 17 | 9.0 | .10 | 13 | 188 | 190 |

| DATE | TIME | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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 18... | 1215 | .37 | .200 | .230 | .40 | .160 | .040 | .050 | -- | -- | -- |
| JAN 03... | 1315 | .18 | .290 | .200 | .80 | .140 | .050 | .040 | <10 | 1 | 160 |
| FEB 16... | 1400 | .13 | .310 | .080 | 1.4 | .240 | .020 | .040 | -- | -- | -- |
| APR 12... | 1135 | .15 | .350 | .130 | 1.3 | .140 | .060 | .030 | 80 | 1 | 88 |
| JUN 27... | 1150 | .31 | .580 | .110 | 1.2 | .100 | .060 | .060 | 20 | 3 | 190 |
| AUG 15... | 1130 | .26 | <.100 | .040 | .80 | .130 | .060 | .060 | 10 | 3 | 190 |

| 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) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 03... | 1315 | <.5 | 1 | 7 | <3 | 1 | 55 | <1 | <4 | 69 | <.1 |
| APR 12... | 1135 | <.5 | <1 | 7 | <3 | 2 | 140 | 2 | <4 | 4 | <.1 |
| JUN 27... | 1150 | <.0 | <1 | <1 | <3 | <1 | 14 | <1 | <4 | 5 | <.1 |
| AUG 15... | 1130 | <.0 | <1 | 1 | <3 | 2 | 21 | 6 | <4 | 12 | .1 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | 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. FALL DIAM. % FINER THAN .062 MM (70342) | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1215 | -- | -- | -- | -- | -- | -- | 36 | 77 | -- | -- |
| 18... | 1400 | -- | -- | -- | -- | -- | -- | 233 | 486 | 100 | -- |
| NOV | | | | | | | | | | | |
| 07... | 1300 | -- | -- | -- | -- | -- | -- | 83 | 249 | 94 | 96 |
| JAN | | | | | | | | | | | |
| 03... | 1315 | <10 | 2 | <1 | <1 | 95 | 9 | 22 | 574 | -- | -- |
| 25... | 1100 | -- | -- | -- | -- | -- | -- | 162 | 5160 | 46 | 56 |
| FEB | | | | | | | | | | | |
| 16... | 1400 | -- | -- | -- | -- | -- | -- | 401 | 10300 | 82 | 90 |
| MAR | | | | | | | | | | | |
| 14... | 1000 | -- | -- | -- | -- | -- | -- | 112 | 1770 | 69 | 79 |
| APR | | | | | | | | | | | |
| 12... | 1135 | <10 | 5 | <1 | <1 | 58 | 7 | 60 | 2670 | -- | -- |
| 18... | 1400 | -- | -- | -- | -- | -- | -- | 90 | 2500 | 80 | 90 |
| MAY | | | | | | | | | | | |
| 17... | 0800 | -- | -- | -- | -- | -- | -- | 208 | 11300 | 72 | 78 |
| JUN | | | | | | | | | | | |
| 06... | 1030 | -- | -- | -- | -- | -- | -- | 201 | 3000 | 70 | 77 |
| 20... | 0930 | -- | -- | -- | -- | -- | -- | 137 | 762 | 76 | 81 |
| 27... | 1150 | <10 | <1 | <1 | 2 | 140 | 6 | 87 | 404 | -- | -- |
| JUL | | | | | | | | | | | |
| 17... | 1330 | -- | -- | -- | -- | -- | -- | 208 | 1170 | 78 | 85 |
| AUG | | | | | | | | | | | |
| 15... | 1130 | <10 | 1 | <1 | 1 | 140 | 100 | 44 | 70 | 90 | 90 |
| SEP | | | | | | | | | | | |
| 12... | 1330 | -- | -- | -- | -- | -- | -- | 136 | 657 | 86 | 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) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1215 | -- | -- | -- | 92 | -- | -- | -- | -- | -- | -- |
| 18... | 1400 | -- | -- | -- | -- | 1 | 1 | 27 | 96 | 100 | -- |
| NOV | | | | | | | | | | | |
| 07... | 1300 | 98 | 100 | -- | -- | 15 | 48 | 86 | 99 | 100 | -- |
| JAN | | | | | | | | | | | |
| 03... | 1315 | -- | -- | -- | 80 | -- | -- | -- | -- | -- | -- |
| 25... | 1100 | 96 | 99 | 100 | -- | 0 | 0 | 72 | 99 | 100 | -- |
| FEB | | | | | | | | | | | |
| 16... | 1400 | 99 | 100 | -- | 82 | 0 | 0 | 46 | 96 | 100 | -- |
| MAR | | | | | | | | | | | |
| 14... | 1000 | 97 | 100 | -- | -- | 2 | 3 | 75 | 99 | 100 | -- |
| APR | | | | | | | | | | | |
| 12... | 1135 | -- | -- | -- | 91 | -- | -- | -- | -- | -- | -- |
| 18... | 1400 | 98 | 100 | -- | -- | 14 | 17 | 31 | 91 | 99 | 100 |
| MAY | | | | | | | | | | | |
| 17... | 0800 | 99 | 100 | -- | -- | 5 | 11 | 80 | 98 | 100 | -- |
| JUN | | | | | | | | | | | |
| 06... | 1030 | 98 | 100 | -- | -- | 95 | 97 | 99 | 99 | 100 | -- |
| 20... | 0930 | 98 | 100 | -- | -- | 0 | 0 | 64 | 99 | 100 | -- |
| 27... | 1150 | -- | -- | -- | 80 | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 17... | 1330 | 98 | 100 | -- | -- | 0 | 0 | 47 | 98 | 100 | -- |
| AUG | | | | | | | | | | | |
| 15... | 1130 | 95 | 100 | -- | -- | 1 | 1 | 60 | 99 | 100 | -- |
| SEP | | | | | | | | | | | |
| 12... | 1330 | 98 | 100 | -- | -- | 1 | 2 | 68 | 99 | 100 | -- |

07047904 CLARK CORNER CUTOFF NEAR COLT, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | | |
| 07... | 0930 | 9 | 80513 | 80513 | 1110 | 14.5 | .20 | 71 | 213 | 85 | 93 |
| JAN | | | | | | | | | | | |
| 25... | 1330 | 9 | 80513 | 80513 | 13300 | 1.0 | .20 | 154 | 5530 | 46 | 57 |
| FEB | | | | | | | | | | | |
| 16... | 1200 | 9 | 80513 | 80513 | 10300 | 13.0 | .00 | 378 | 10500 | 80 | 88 |
| MAR | | | | | | | | | | | |
| 15... | 0815 | 9 | 80513 | 80513 | 5610 | 8.0 | .20 | 70 | 1060 | 96 | 98 |
| APR | | | | | | | | | | | |
| 19... | 0810 | 9 | 80513 | 80513 | 10000 | 15.0 | .10 | 79 | 2130 | 93 | 95 |
| MAY | | | | | | | | | | | |
| 17... | 0830 | 9 | 80513 | 80513 | 21300 | 20.0 | .00 | 163 | 9370 | 92 | 96 |
| JUN | | | | | | | | | | | |
| 06... | 1320 | 9 | 80513 | 80513 | 6260 | 25.0 | .10 | 174 | 2940 | 96 | 98 |
| 20... | 1115 | 9 | 80513 | 80513 | 2290 | 30.0 | .20 | 51 | 315 | 85 | 92 |

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 07... | 0930 | 98 | 100 | -- | 7 | 9 | 35 | 88 | 99 | 100 |
| JAN | | | | | | | | | | |
| 25... | 1330 | 98 | 100 | -- | 13 | 15 | 19 | 62 | 98 | 100 |
| FEB | | | | | | | | | | |
| 16... | 1200 | 99 | 100 | -- | 1 | 1 | 73 | 98 | 100 | -- |
| MAR | | | | | | | | | | |
| 15... | 0815 | 99 | 100 | -- | 8 | 24 | 94 | 99 | 100 | -- |
| APR | | | | | | | | | | |
| 19... | 0810 | 97 | 98 | 100 | 0 | 0 | 1 | 79 | 99 | 100 |
| MAY | | | | | | | | | | |
| 17... | 0830 | 99 | 100 | -- | 1 | 2 | 5 | 90 | 100 | -- |
| JUN | | | | | | | | | | |
| 06... | 1320 | 99 | 100 | -- | 0 | 0 | 2 | 90 | 100 | -- |
| 20... | 1115 | 97 | 98 | 100 | 2 | 3 | 6 | 88 | 100 | -- |

07047907 ST. FRANCIS RIVER AT MADISON, AR

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 18... | 1030 | 9 | 80513 | 80513 | -- | 781 | 388 | 8.3 | 18.5 | .10 |
| NOV | | | | | | | | | | |
| 07... | 1030 | 9 | 80513 | 80513 | -- | 941 | 310 | 8.3 | 12.5 | .30 |
| JAN | | | | | | | | | | |
| 26... | 0900 | 9 | 80513 | 80513 | -- | 10500 | 153 | 7.3 | 1.0 | .20 |
| FEB | | | | | | | | | | |
| 17... | 0800 | 9 | 80513 | 80513 | -- | 10200 | 178 | 7.6 | 11.5 | .00 |
| MAR | | | | | | | | | | |
| 14... | 1245 | 9 | 80513 | 80513 | -- | 6470 | 221 | 7.8 | 8.0 | .10 |
| APR | | | | | | | | | | |
| 19... | 0800 | 9 | 80513 | 80513 | -- | 9570 | 200 | 7.6 | 15.0 | .20 |
| MAY | | | | | | | | | | |
| 17... | 1130 | 9 | 80513 | 80513 | 67 | 19000 | 120 | 7.4 | 20.0 | .00 |
| 17... | 1205 | 9 | 80513 | 80513 | 68 | 1200 | 125 | 7.4 | 20.0 | .00 |
| JUN | | | | | | | | | | |
| 06... | 1315 | 9 | 80513 | 80513 | -- | 5760 | 199 | 7.9 | 24.0 | .20 |
| 20... | 1230 | 9 | 80513 | 80513 | -- | 2540 | 326 | 8.0 | 28.5 | .20 |
| JUL | | | | | | | | | | |
| 18... | 0800 | 9 | 80513 | 80513 | -- | 2240 | 230 | 7.9 | 27.0 | .20 |
| AUG | | | | | | | | | | |
| 15... | 0730 | 9 | 80513 | 80513 | -- | 668 | 306 | 8.4 | 27.0 | .20 |
| SEP | | | | | | | | | | |
| 13... | 0800 | 9 | 80513 | 80513 | -- | 1680 | 218 | 8.0 | 25.0 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 18... | 1030 | 8.0 | 85 | 764 | 98 | 207 | 99 | 99 | 100 |
| NOV | | | | | | | | | |
| 07... | 1030 | 3.7 | 35 | 759 | 64 | 163 | 94 | 94 | 96 |
| JAN | | | | | | | | | |
| 26... | 0900 | 11.0 | 77 | 764 | 91 | 2580 | 75 | 84 | 96 |
| FEB | | | | | | | | | |
| 17... | 0800 | 8.8 | 81 | 760 | 342 | 9420 | 91 | 96 | 99 |
| MAR | | | | | | | | | |
| 14... | 1245 | 10.6 | 89 | 765 | 132 | 2310 | 61 | 63 | 84 |
| APR | | | | | | | | | |
| 19... | 0800 | 8.3 | 83 | 757 | 54 | 1400 | 99 | 99 | 100 |
| MAY | | | | | | | | | |
| 17... | 1130 | 7.5 | 83 | 760 | 171 | 8770 | 98 | 98 | 99 |
| 17... | 1205 | 5.7 | 63 | 760 | 202 | 654 | 97 | 97 | 98 |
| JUN | | | | | | | | | |
| 06... | 1315 | 5.8 | 69 | 758 | 194 | 3020 | 84 | 90 | 98 |
| 20... | 1230 | 6.5 | 84 | 760 | 103 | 706 | 97 | 97 | 98 |
| JUL | | | | | | | | | |
| 18... | 0800 | 5.7 | 72 | 759 | 455 | 2750 | 97 | 98 | 99 |
| AUG | | | | | | | | | |
| 15... | 0730 | 6.7 | 84 | 761 | 100 | 180 | 94 | 94 | 96 |
| SEP | | | | | | | | | |
| 13... | 0800 | 5.4 | 65 | 762 | 120 | 544 | 95 | 95 | 96 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 18... | 1030 | -- | -- | 7 | 18 | 36 | 49 | 87 | -- |
| NOV | | | | | | | | | |
| 07... | 1030 | 100 | -- | 6 | 21 | 40 | 60 | 87 | -- |
| JAN | | | | | | | | | |
| 26... | 0900 | 100 | -- | 1 | 2 | 33 | 88 | 99 | 100 |
| FEB | | | | | | | | | |
| 17... | 0800 | 100 | -- | 0 | 0 | 19 | 75 | 100 | -- |
| MAR | | | | | | | | | |
| 14... | 1245 | 100 | -- | 1 | 1 | 10 | 69 | 99 | 100 |
| APR | | | | | | | | | |
| 19... | 0800 | -- | -- | 1 | 1 | 17 | 52 | 71 | -- |
| MAY | | | | | | | | | |
| 17... | 1130 | 100 | -- | 0 | 0 | 10 | 87 | 100 | -- |
| 17... | 1205 | 100 | -- | 88 | 95 | 98 | 99 | 100 | -- |
| JUN | | | | | | | | | |
| 06... | 1315 | 100 | -- | 1 | 1 | 4 | 61 | 98 | 100 |
| 20... | 1230 | 100 | -- | 5 | 7 | 13 | 66 | 99 | 100 |
| JUL | | | | | | | | | |
| 18... | 0800 | 100 | -- | 5 | 8 | 16 | 61 | 98 | 100 |
| AUG | | | | | | | | | |
| 15... | 0730 | 98 | 100 | 5 | 9 | 18 | 83 | 99 | 100 |
| SEP | | | | | | | | | |
| 13... | 0800 | 98 | 100 | 2 | 7 | 47 | 88 | 99 | 100 |

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR

LOCATION.--Lat 35°24'06", long 90°49'44", in E 1/2 and on line between secs.13 and 24, T.9 N., R.2 E., Cross County, Hydrologic Unit 08020205, at bridge on State Highway 42, 4.2 mi west of Cherry Valley.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 0900 | 9 | 80513 | 80513 | 67 | 149 | 282 | 7.7 | 18.0 |
| 19... | 1000 | 9 | 80513 | 80513 | 68 | 59 | 239 | 7.5 | 18.0 |
| JAN | | | | | | | | | |
| 18... | 1330 | 9 | 80513 | 80513 | 67 | 86 | 125 | 7.1 | 2.0 |
| 18... | 1400 | 9 | 80513 | 80513 | 68 | 204 | 129 | 7.0 | 1.0 |
| FEB | | | | | | | | | |
| 16... | 0930 | 9 | 80513 | 80513 | 67 | 160 | 102 | 7.3 | 12.0 |
| 16... | 1030 | 9 | 80513 | 80513 | 68 | 685 | 102 | 7.3 | 12.0 |
| MAR | | | | | | | | | |
| 14... | 0900 | 9 | 80513 | 80513 | 67 | 132 | 156 | 7.0 | 8.0 |
| 14... | 0930 | 9 | 80513 | 80513 | 68 | 309 | 114 | 7.0 | 8.0 |
| APR | | | | | | | | | |
| 18... | 1115 | 9 | 80513 | 80513 | 67 | 101 | 113 | 7.2 | 15.0 |
| 18... | 1200 | 9 | 80513 | 80513 | 68 | 182 | 118 | 7.4 | 15.0 |
| MAY | | | | | | | | | |
| 16... | 1330 | 9 | 80513 | 80513 | 67 | 161 | 94 | 7.1 | 21.0 |
| 16... | 1400 | 9 | 80513 | 80513 | 68 | 416 | 94 | 7.1 | 21.0 |
| JUN | | | | | | | | | |
| 06... | 0815 | 9 | 80513 | 80513 | 67 | 17 | 135 | 7.4 | 24.5 |
| 06... | 0900 | 9 | 80513 | 80513 | 68 | 4.8 | 125 | 7.3 | 24.0 |
| 20... | 0830 | 9 | 80513 | 80513 | -- | 31 | 479 | 8.2 | 28.5 |
| JUL | | | | | | | | | |
| 17... | 1200 | 9 | 80513 | 80513 | -- | 22 | 369 | 8.0 | 28.0 |
| AUG | | | | | | | | | |
| 14... | 1430 | 9 | 80513 | 80513 | -- | 42 | 423 | 7.9 | 28.5 |
| SEP | | | | | | | | | |
| 12... | 1200 | 9 | 80513 | 80513 | 67 | 307 | 180 | 7.3 | 23.0 |
| 12... | 1230 | 9 | 80513 | 80513 | 68 | 826 | 175 | 7.2 | 23.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342) | SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 0900 | .00 | 3.1 | 33 | 762 | 302 | 121 | 100 | -- |
| 19... | 1000 | .00 | 3.0 | 32 | 762 | 257 | 41 | 100 | -- |
| JAN | | | | | | | | | |
| 18... | 1330 | .30 | 11.2 | 81 | 765 | 40 | 9.3 | 93 | 93 |
| 18... | 1400 | .30 | 11.0 | 77 | 765 | 35 | 19 | 98 | 98 |
| FEB | | | | | | | | | |
| 16... | 0930 | .00 | 8.8 | 82 | 755 | 172 | 74 | 99 | 99 |
| 16... | 1030 | .00 | 8.8 | 82 | 755 | 178 | 329 | 99 | 99 |
| MAR | | | | | | | | | |
| 14... | 0900 | .00 | 8.1 | 68 | 764 | 154 | 55 | 100 | -- |
| 14... | 0930 | .00 | 7.6 | 64 | 764 | 154 | 128 | 99 | 99 |
| APR | | | | | | | | | |
| 18... | 1115 | .00 | 5.9 | 59 | 757 | 109 | 30 | 100 | -- |
| 18... | 1200 | .00 | 6.7 | 67 | 757 | 105 | 52 | 99 | 99 |
| MAY | | | | | | | | | |
| 16... | 1330 | .20 | 4.1 | 46 | 767 | 179 | 78 | 99 | 99 |
| 16... | 1400 | .20 | 4.0 | 45 | 767 | 179 | 201 | 93 | 98 |
| JUN | | | | | | | | | |
| 06... | 0815 | .00 | 3.5 | 42 | 756 | 268 | 12 | 98 | 99 |
| 06... | 0900 | .00 | 2.9 | 35 | 758 | 134 | 1.7 | 97 | 98 |
| 20... | 0830 | .20 | 3.2 | 41 | 760 | 177 | 15 | 98 | 99 |
| JUL | | | | | | | | | |
| 17... | 1200 | .10 | 3.1 | 40 | 755 | 228 | 14 | 100 | -- |
| AUG | | | | | | | | | |
| 14... | 1430 | .10 | 4.4 | 57 | 759 | 123 | 14 | 99 | 99 |
| SEP | | | | | | | | | |
| 12... | 1200 | .10 | 2.5 | 29 | 762 | 71 | 59 | 89 | 95 |
| 12... | 1230 | .10 | 3.1 | 36 | 762 | 67 | 149 | 99 | 99 |

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344) | SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345) | BED MAT. FALL DIAM. % FINER THAN .062 MM (80158) | BED MAT. FALL DIAM. % FINER THAN .125 MM (80159) | BED MAT. FALL DIAM. % FINER THAN .250 MM (80160) | BED MAT. FALL DIAM. % FINER THAN .500 MM (80161) | BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 19... | 0900 | -- | -- | 18 | 21 | 67 | 97 | 100 | -- |
| 19... | 1000 | -- | -- | 54 | 56 | 68 | 88 | 91 | -- |
| JAN | | | | | | | | | |
| 18... | 1330 | 96 | 100 | 7 | 8 | 79 | 99 | 100 | -- |
| 18... | 1400 | 98 | 100 | 7 | 7 | 9 | 13 | 17 | -- |
| FEB | | | | | | | | | |
| 16... | 0930 | 99 | 100 | 10 | 11 | 80 | 99 | 100 | -- |
| 16... | 1030 | 99 | 100 | 44 | 46 | 48 | 52 | 53 | -- |
| MAR | | | | | | | | | |
| 14... | 0900 | -- | -- | 14 | 17 | 76 | 99 | 100 | -- |
| 14... | 0930 | 99 | 100 | 15 | 16 | 19 | 24 | 28 | -- |
| APR | | | | | | | | | |
| 18... | 1115 | -- | -- | 10 | 18 | 76 | 99 | 100 | -- |
| 18... | 1200 | 99 | 100 | 17 | 18 | 25 | 41 | 49 | -- |
| MAY | | | | | | | | | |
| 16... | 1330 | 99 | 100 | 45 | 63 | 90 | 99 | 100 | -- |
| 16... | 1400 | 99 | 100 | 75 | 76 | 79 | 83 | 86 | -- |
| JUN | | | | | | | | | |
| 06... | 0815 | 100 | -- | 8 | 11 | 68 | 98 | 100 | -- |
| 06... | 0900 | 100 | -- | 30 | 34 | 44 | 58 | 72 | -- |
| 20... | 0830 | 100 | -- | 6 | 10 | 77 | 99 | 100 | -- |
| JUL | | | | | | | | | |
| 17... | 1200 | -- | -- | 17 | 25 | 81 | 99 | 100 | -- |
| AUG | | | | | | | | | |
| 14... | 1430 | 100 | -- | 74 | 79 | 92 | 97 | 99 | 100 |
| SEP | | | | | | | | | |
| 12... | 1200 | 98 | 100 | 3 | 4 | 70 | 99 | 100 | -- |
| 12... | 1230 | 99 | 100 | 24 | 25 | 38 | 56 | 61 | -- |

## 07047942 L'ANGUILLE RIVER NEAR COLT, AR

LOCATION.--Lat 35°08'40", long 90°52'42", in NE 1/4 NW 1/4 sec.15, T.6 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 769 $ft^3/s$, 19.52 in/yr, 557,100 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,690 $ft^3/s$ Dec. 4, gage height, 14.82 ft; minimum, 2.2 $ft^3/s$ Nov. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 71 | 15 | 2380 | 2200 | 1160 | 688 | 1440 | 461 | 82 | 36 | 62 | 172 |
| 2 | 50 | 11 | 2380 | 2450 | 1010 | 661 | 1280 | 670 | 47 | 29 | 50 | 176 |
| 3 | 36 | 7.6 | 4900 | 2600 | 917 | 617 | 2130 | 1810 | 31 | 28 | 47 | 218 |
| 4 | 30 | 5.8 | 6360 | 845 | 832 | 693 | 2430 | 2320 | 27 | 25 | 46 | 276 |
| 5 | 24 | 5.2 | 6190 | 718 | 773 | 2360 | 2740 | 3170 | 27 | 25 | 48 | 281 |
| 6 | 20 | 4.1 | 6130 | 733 | 732 | 2540 | 2510 | 3670 | 26 | 27 | 60 | 291 |
| 7 | 15 | 2.5 | 5420 | 762 | 694 | 2790 | 2100 | 3640 | 28 | 29 | 116 | 305 |
| 8 | 12 | 2.3 | 4810 | 834 | 658 | 2560 | 1990 | 4730 | 30 | 28 | 140 | 313 |
| 9 | 9.8 | 3.7 | 4250 | 916 | 619 | 2090 | 3380 | 4060 | 36 | 29 | 138 | 340 |
| 10 | 8.5 | 5.0 | 3700 | 1270 | 581 | 1790 | 3300 | 3840 | 40 | 24 | 123 | 393 |
| 11 | 8.1 | 5.6 | 3680 | 1460 | 539 | 1580 | 3000 | 3280 | 31 | 21 | 106 | 454 |
| 12 | 11 | 5.6 | 3460 | 1520 | 855 | 1520 | 2470 | 2810 | 27 | 20 | 106 | 590 |
| 13 | 12 | 4.8 | 3440 | 1490 | 1730 | 1490 | 2000 | 2510 | 25 | 41 | 123 | 745 |
| 14 | 11 | 3.9 | 3290 | 1340 | 2170 | 1340 | 1690 | 2280 | 24 | 95 | 137 | 1040 |
| 15 | 11 | 3.8 | 2860 | 1160 | 2630 | 1210 | 1480 | 2090 | 23 | 110 | 143 | 1490 |
| 16 | 9.8 | 6.1 | 2490 | 1020 | 2420 | 1290 | 1300 | 1940 | 23 | 99 | 152 | 1800 |
| 17 | 8.1 | 7.5 | 2210 | 918 | 2010 | 1910 | 1110 | 1770 | 19 | 187 | 166 | 1900 |
| 18 | 9.4 | 6.7 | 1990 | 839 | 1720 | 2480 | 956 | 1560 | 16 | 282 | 166 | 1870 |
| 19 | 47 | 8.6 | 1760 | 785 | 1510 | 2980 | 856 | 1320 | 28 | 182 | 277 | 1780 |
| 20 | 137 | 240 | 1550 | 784 | 1350 | 3370 | 771 | 1080 | 55 | 141 | 358 | 1580 |
| 21 | 189 | 277 | 1630 | 784 | 1190 | 3000 | 707 | 922 | 69 | 122 | 329 | 1400 |
| 22 | 220 | 399 | 2350 | 764 | 1040 | 2590 | 634 | 800 | 81 | 96 | 325 | 1220 |
| 23 | 218 | 704 | 2110 | 737 | 922 | 2230 | 559 | 733 | 96 | 65 | 346 | 1130 |
| 24 | 201 | 1250 | 2000 | 1230 | 820 | 2000 | 490 | 659 | 90 | 48 | 350 | 1030 |
| 25 | 187 | 2130 | 1990 | 1460 | 745 | 1800 | 433 | 585 | 78 | 40 | 346 | 885 |
| 26 | 173 | 3060 | 1940 | 1900 | 687 | 1640 | 372 | 509 | 72 | 50 | 335 | 779 |
| 27 | 151 | 3570 | 1920 | 2250 | 720 | 1520 | 316 | 437 | 70 | 33 | 312 | 711 |
| 28 | 122 | 3500 | 1910 | 2100 | 725 | 1850 | 261 | 366 | 66 | 33 | 288 | 650 |
| 29 | 89 | 3070 | 1920 | 1800 | 698 | 1860 | 214 | 300 | 57 | 32 | 261 | 591 |
| 30 | 51 | 2710 | 1930 | 1530 | --- | 1820 | 310 | 217 | 50 | 32 | 217 | 531 |
| 31 | 25 | --- | 2000 | 1330 | --- | 1670 | --- | 140 | --- | 40 | 186 | --- |
| TOTAL | 2166.7 | 21024.8 | 94950 | 40529 | 32457 | 57939 | 43229 | 54679 | 1374 | 2049 | 5859 | 24941 |
| MEAN | 69.9 | 701 | 3063 | 1307 | 1119 | 1869 | 1441 | 1764 | 45.8 | 66.1 | 189 | 831 |
| MAX | 220 | 3570 | 6360 | 2600 | 2630 | 3370 | 3380 | 4730 | 96 | 282 | 358 | 1900 |
| MIN | 8.1 | 2.3 | 1550 | 718 | 539 | 617 | 214 | 140 | 16 | 20 | 46 | 172 |
| CFSM | .13 | 1.31 | 5.73 | 2.44 | 2.09 | 3.49 | 2.69 | 3.30 | .09 | .12 | .35 | 1.55 |
| IN. | .15 | 1.46 | 6.60 | 2.82 | 2.26 | 4.03 | 3.01 | 3.80 | .10 | .14 | .41 | 1.73 |
| AC-FT | 4300 | 41700 | 188300 | 80390 | 64380 | 114900 | 85740 | 108500 | 2730 | 4060 | 11620 | 49470 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 341619.5 | MEAN | 936 | MAX | 7980 | MIN | 2.3 | CFSM | 1.75 | IN. | 23.75 | AC-FT | 677600 |
| WTR YR 1984 | TOTAL | 381197.5 | MEAN | 1042 | MAX | 6360 | MIN | 2.3 | CFSM | 1.95 | IN. | 26.51 | AC-FT | 756100 |

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (11) (00078) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 18... | 1130 | 9 | 80513 | 80513 | -- | 10 | 555 | 8.0 | 18.0 | .10 |
| 18... | 1145 | 9 | 80513 | 80010 | -- | 10 | 553 | 8.2 | 17.5 | -- |
| NOV | | | | | | | | | | |
| 07... | 1200 | 9 | 80513 | 80513 | -- | .00 | 210 | 7.9 | 14.0 | -- |
| JAN | | | | | | | | | | |
| 03... | 1145 | 9 | 80513 | 80010 | -- | 678 | 122 | 7.0 | .0 | -- |
| 18... | 1600 | 9 | 80513 | 80513 | -- | 722 | 112 | 7.1 | .0 | .30 |
| FEB | | | | | | | | | | |
| 16... | 1200 | 9 | 80513 | 80513 | 67 | 1260 | 82 | 7.5 | 12.0 | .00 |
| 16... | 1230 | 9 | 80513 | 80513 | 68 | 540 | 82 | 7.5 | 13.0 | .00 |
| 16... | 1330 | 9 | 80513 | 80010 | -- | 1800 | 82 | 7.5 | 12.0 | -- |
| MAR | | | | | | | | | | |
| 14... | 1110 | 9 | 80513 | 80513 | 67 | 917 | 93 | 7.0 | 9.0 | .10 |
| 14... | 1140 | 9 | 80513 | 80513 | 68 | 473 | 93 | 7.2 | 10.5 | .00 |
| APR | | | | | | | | | | |
| 12... | 1110 | 9 | 80513 | 80010 | -- | 3530 | 79 | 7.3 | 14.0 | -- |
| 18... | 1030 | 9 | 80513 | 80513 | -- | 1210 | 102 | 7.6 | 14.0 | .00 |
| MAY | | | | | | | | | | |
| 16... | 1500 | 9 | 80513 | 80513 | 67 | 1400 | 95 | 7.1 | 21.0 | .20 |
| 16... | 1530 | 9 | 80513 | 80513 | 68 | 600 | 90 | 7.1 | 22.0 | .20 |
| JUN | | | | | | | | | | |
| 06... | 1200 | 9 | 80513 | 80513 | -- | 26 | 139 | 7.5 | 25.5 | .00 |
| 20... | 1030 | 9 | 80513 | 80513 | -- | 54 | 410 | 7.9 | 28.0 | .10 |
| 27... | 1040 | 9 | 80513 | 80010 | -- | 68 | 385 | 7.9 | 26.5 | -- |
| JUL | | | | | | | | | | |
| 17... | 1500 | 9 | 80513 | 80513 | -- | 270 | 265 | 7.6 | 25.5 | .10 |
| AUG | | | | | | | | | | |
| 14... | 1600 | 9 | 80513 | 80513 | -- | 136 | 484 | 8.0 | 27.5 | .10 |
| 14... | 1630 | 9 | 80513 | 80010 | -- | 125 | 484 | 8.0 | 27.5 | -- |
| SEP | | | | | | | | | | |
| 12... | 1500 | 9 | 80513 | 80513 | -- | 603 | 330 | 7.7 | 25.0 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 18... | 1130 | 4.8 | 51 | 764 | -- | -- | -- | -- | -- | -- |
| 18... | 1145 | 3.8 | 40 | 763 | 2.0 | 1200 | 2800 | 210 | 0 | 0 |
| NOV | | | | | | | | | | |
| 07... | 1200 | 2.8 | 27 | 760 | -- | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | | |
| 03... | 1145 | 8.0 | 54 | 770 | 3.0 | K67 | 130 | 47 | 3 | 3 |
| 18... | 1600 | 11.6 | 80 | 760 | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 16... | 1200 | 9.0 | 84 | 757 | -- | -- | -- | -- | -- | -- |
| 16... | 1230 | 8.2 | 78 | 757 | -- | -- | -- | -- | -- | -- |
| 16... | 1330 | 9.0 | 84 | 757 | 2.6 | K67 | 650 | 30 | 0 | 0 |
| MAR | | | | | | | | | | |
| 14... | 1110 | 8.4 | 72 | 765 | -- | -- | -- | -- | -- | -- |
| 14... | 1140 | 8.0 | 71 | 765 | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 12... | 1110 | 6.3 | 61 | 760 | 2.6 | K67 | K230 | 27 | 0 | 0 |
| 18... | 1030 | 6.5 | 63 | 758 | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 16... | 1500 | 6.0 | 67 | 767 | -- | -- | -- | -- | -- | -- |
| 16... | 1530 | 5.7 | 65 | 767 | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 06... | 1200 | 3.3 | 41 | 759 | -- | -- | -- | -- | -- | -- |
| 20... | 1030 | 4.0 | 51 | 760 | -- | -- | -- | -- | -- | -- |
| 27... | 1040 | 4.5 | 57 | 756 | 4.4 | K50 | 160 | 160 | 0 | 0 |
| JUL | | | | | | | | | | |
| 17... | 1500 | 4.4 | 54 | 755 | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1600 | 5.4 | 69 | 758 | -- | -- | -- | -- | -- | -- |
| 14... | 1630 | 5.4 | 69 | 758 | 3.4 | K67 | 720 | 230 | 12 | 12 |
| SEP | | | | | | | | | | |
| 12... | 1500 | 3.8 | 46 | 762 | -- | -- | -- | -- | -- | -- |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM AD-SORP-TION RATIO (00931) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | SULFATE DIS-SOLVED (MG/L AS SO4) (00945) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1145 | 50 | 20 | 31 | 24 | 1 | 4.1 | 207 | 26 | 32 |
| JAN 03... | 1145 | 12 | 4.1 | 5.2 | 18 | .3 | 3.2 | 44 | 11 | 6.2 |
| FEB 16... | 1330 | 7.7 | 2.7 | 4.1 | 21 | .3 | 2.5 | 31 | 6.4 | 3.5 |
| APR 12... | 1110 | 7.3 | 2.2 | 2.6 | 16 | .2 | 1.6 | 29 | 5.7 | 2.8 |
| JUN 27... | 1040 | 38 | 16 | 23 | 23 | .8 | 4.7 | 175 | 26 | 22 |
| AUG 14... | 1630 | 59 | 20 | 22 | 17 | .7 | 2.8 | 218 | 22 | 18 |

| DATE | TIME | FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950) | NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620) | 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 18... | 1145 | .30 | 3.53 | 3.36 | .070 | .040 | 3.60 | 3.40 | .100 | .170 |
| JAN 03... | 1145 | <.10 | .360 | .430 | .040 | .010 | .400 | .440 | .180 | .220 |
| FEB 16... | 1330 | <.10 | .240 | -- | .060 | <.010 | .300 | .200 | .170 | .080 |
| APR 12... | 1110 | .10 | .360 | .370 | .040 | .030 | .400 | .400 | .270 | .180 |
| JUN 27... | 1040 | .30 | .280 | 2.54 | .020 | .060 | .300 | 2.60 | .150 | .020 |
| AUG 14... | 1630 | .20 | -- | .450 | -- | .040 | -- | .490 | -- | .150 |

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | NITRO-GEN DIS-SOLVED (MG/L AS N) (00602) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1145 | 1.0 | .63 | 1.1 | .30 | .80 | 4.7 | 4.2 | .940 | .690 |
| JAN 03... | 1145 | 1.2 | 1.4 | 1.4 | .00 | 1.6 | 1.8 | 2.0 | .150 | .070 |
| FEB 16... | 1330 | .83 | .12 | 1.0 | .80 | .20 | 1.3 | .40 | .180 | .010 |
| APR 12... | 1110 | 1.0 | .92 | 1.3 | .20 | 1.1 | 1.7 | 1.5 | .150 | .060 |
| JUN 27... | 1040 | .85 | .78 | 1.0 | -- | .80 | 1.3 | -- | .180 | .130 |
| AUG 14... | 1630 | -- | 1.1 | -- | -- | 1.2 | -- | -- | -- | .130 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | ARSENIC TOTAL (UG/L AS AS) (01002) | BORON, DIS-SOLVED (UG/L AS B) (01020) | 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 | | | | | | | | | | |
| 18... | 1145 | 3 | 90 | 1 | 14 | <1 | 4 | 2000 | 4 | 200 |
| JAN | | | | | | | | | | |
| 03... | 1145 | -- | 40 | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 16... | 1330 | -- | 30 | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 12... | 1110 | -- | 20 | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 27... | 1040 | -- | 30 | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1630 | -- | 30 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | 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. 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 | | | | | | | | | | |
| 18... | 1130 | -- | -- | -- | -- | 139 | 3.8 | 99 | 99 | 99 |
| 18... | 1145 | .1 | 2 | 2 | 30 | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | | |
| 18... | 1600 | -- | -- | -- | -- | 49 | 96 | 98 | 98 | 98 |
| FEB | | | | | | | | | | |
| 16... | 1200 | -- | -- | -- | -- | 143 | 486 | 100 | -- | -- |
| 16... | 1230 | -- | -- | -- | -- | 78 | 114 | 99 | 99 | 100 |
| MAR | | | | | | | | | | |
| 14... | 1110 | -- | -- | -- | -- | 138 | 342 | 98 | 98 | 99 |
| 14... | 1140 | -- | -- | -- | -- | 136 | 174 | 98 | 98 | 99 |
| APR | | | | | | | | | | |
| 18... | 1030 | -- | -- | -- | -- | 69 | 225 | 98 | 98 | 98 |
| MAY | | | | | | | | | | |
| 16... | 1500 | -- | -- | -- | -- | 118 | 446 | 99 | 99 | 99 |
| 16... | 1530 | -- | -- | -- | -- | 87 | 141 | 99 | 99 | 99 |
| JUN | | | | | | | | | | |
| 06... | 1200 | -- | -- | -- | -- | 280 | 20 | 93 | 95 | 98 |
| 20... | 1030 | -- | -- | -- | -- | 144 | 21 | 99 | 99 | 99 |
| JUL | | | | | | | | | | |
| 17... | 1500 | -- | -- | -- | -- | 975 | 711 | 100 | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1600 | -- | -- | -- | -- | 104 | 38 | 100 | -- | -- |
| SEP | | | | | | | | | | |
| 12... | 1500 | -- | -- | -- | -- | 43 | 70 | 96 | 96 | 97 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 18... | 1130 | 100 | -- | 98 | 98 | 99 | 99 | 100 | -- |
| JAN | | | | | | | | | |
| 18... | 1600 | 100 | -- | 99 | 99 | 99 | 99 | 100 | -- |
| FEB | | | | | | | | | |
| 16... | 1200 | -- | -- | 64 | 73 | 86 | 92 | 99 | 100 |
| 16... | 1230 | -- | -- | 100 | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | |
| 14... | 1110 | 100 | -- | 99 | 99 | 99 | 99 | 100 | -- |
| 14... | 1140 | 99 | 100 | 65 | 70 | 89 | 97 | 100 | -- |
| APR | | | | | | | | | |
| 18... | 1030 | 100 | -- | 97 | 98 | 98 | 99 | 100 | -- |
| MAY | | | | | | | | | |
| 16... | 1500 | 100 | -- | 96 | 97 | 97 | 98 | 99 | 100 |
| 16... | 1530 | 100 | -- | 97 | 97 | 98 | 99 | 99 | 100 |
| JUN | | | | | | | | | |
| 06... | 1200 | 100 | -- | 96 | 97 | 98 | 99 | 99 | 100 |
| 20... | 1030 | 100 | -- | 99 | 99 | 99 | 99 | 100 | -- |
| JUL | | | | | | | | | |
| 17... | 1500 | -- | -- | 98 | 98 | 99 | 99 | 100 | -- |
| AUG | | | | | | | | | |
| 14... | 1600 | -- | -- | 97 | 97 | 98 | 99 | 100 | -- |
| SEP | | | | | | | | | |
| 12... | 1500 | 100 | -- | 99 | 99 | 99 | 99 | 100 | -- |

07047947 SECOND CREEK NEAR PALESTINE

LOCATION.--Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4 sec.17, T.5 N., R.2 E., St Francis County, Hydrologic Unit 08020205, at bridge on county road, 4 mi north of Palestine.

PERIOD OF RECORD.--June 1983 to September 1984.

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

WATER QUALITY DATA, JUNE 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN, 1984 19... | 0915 | 9 | 9827 | 9827 | 7.0 | 28.0 | 29.0 | 9.0 | 1.7 |
| JUL 31... | 0930 | 9 | 9827 | 9827 | 7.5 | 22.0 | 25.0 | 8.0 | 5.1 |
| AUG 28... | 0930 | 9 | 9827 | 9827 | 7.7 | 27.0 | 26.0 | 25 | 4.1 |
| SEP 25... | 0920 | 9 | 9827 | 9827 | -- | 22.0 | 24.0 | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| JUN, 1984 19... | 0915 | -- | 540 | 2.0 | 13 | 117 | .16 | 26 | .04 |
| JUL 31... | 0930 | 1.5 | 32 | 10 | 29 | 247 | .34 | 15 | .13 |
| AUG 28... | 0930 | 1.1 | 150 | 5.0 | 29 | 256 | .35 | 22 | .17 |
| SEP 25... | 0920 | -- | 30 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JUN, 1984 19... | 0915 | .160 | -- | .060 | 0 | <1 | 13 | 10 | 90 |
| JUL 31... | 0930 | .050 | .100 | .040 | 0 | <1 | 16 | <1 | -- |
| AUG 28... | 0930 | .040 | .100 | .070 | 0 | 1 | 16 | 8 | 70 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 28... | 0930 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07047950 L'ANGUILLE RIVER AT PALESTINE, AR

LOCATION.--Lat 34°58'20", long 90°53'10", in NW 1/4 sec.10, T.4 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on U.S. Highway 70, 1.0 mi east of Palestine, and at mile 33.6.

DRAINAGE AREA.--786 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLE SOURCE (72005) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (M) (00078) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 18... | 0930 | 9 | 80513 | 80513 | -- | .00 | 489 | 8.0 | 17.5 | -- |
| NOV | | | | | | | | | | |
| 07... | 1000 | 9 | 80513 | 80513 | -- | .00 | 325 | 7.7 | 14.0 | -- |
| JAN | | | | | | | | | | |
| 26... | 1200 | 9 | 80513 | 80513 | 67 | 1260 | 82 | 7.0 | 1.0 | .00 |
| 26... | 1300 | 9 | 80513 | 80513 | 68 | 383 | 85 | 6.9 | 1.0 | .00 |
| FEB | | | | | | | | | | |
| 17... | 0930 | 9 | 80513 | 80513 | 67 | 1690 | 94 | 7.1 | 12.0 | .00 |
| 17... | 1000 | 9 | 80513 | 80513 | 68 | 690 | 94 | 7.1 | 12.0 | .00 |
| MAR | | | | | | | | | | |
| 15... | 0815 | 9 | 80513 | 80513 | 67 | 1340 | 86 | 6.8 | 12.0 | .10 |
| 15... | 0845 | 9 | 80513 | 80513 | 68 | 416 | 82 | 6.9 | 12.0 | .10 |
| APR | | | | | | | | | | |
| 19... | 1115 | 9 | 80513 | 80513 | 67 | 1130 | 94 | 7.1 | 15.0 | .20 |
| 19... | 1145 | 9 | 80513 | 80513 | 68 | 305 | 94 | 7.1 | 15.0 | .10 |
| MAY | | | | | | | | | | |
| 17... | 1000 | 9 | 80513 | 80513 | 67 | 745 | 95 | 7.1 | 21.0 | .20 |
| 17... | 1030 | 9 | 80513 | 80513 | 68 | 368 | 95 | 7.1 | 21.0 | .20 |
| JUN | | | | | | | | | | |
| 06... | 1500 | 9 | 80513 | 80513 | -- | .00 | 190 | 7.4 | 27.0 | -- |
| 20... | 1400 | 9 | 80513 | 80513 | -- | .00 | 540 | 8.0 | 29.0 | -- |
| JUL | | | | | | | | | | |
| 18... | 0945 | 9 | 80513 | 80513 | -- | 236 | 367 | 7.9 | 27.5 | .10 |
| AUG | | | | | | | | | | |
| 15... | 1420 | 9 | 80513 | 80513 | -- | 258 | 418 | 7.9 | 29.5 | .20 |
| SEP | | | | | | | | | | |
| 13... | 1030 | 9 | 80513 | 80513 | -- | 733 | 360 | 7.7 | 25.0 | .10 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 18... | 0930 | 4.8 | 50 | 763 | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | |
| 07... | 1000 | 3.7 | 36 | 758 | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | |
| 26... | 1200 | 10.2 | 72 | 764 | 47 | 160 | 94 | 94 | 96 |
| 26... | 1300 | 10.4 | 73 | 764 | 48 | 50 | 87 | 87 | 92 |
| FEB | | | | | | | | | |
| 17... | 0930 | 6.6 | 61 | 762 | 94 | 429 | 94 | 97 | 99 |
| 17... | 1000 | 6.6 | 61 | 762 | 82 | 153 | 93 | 96 | 97 |
| MAR | | | | | | | | | |
| 15... | 0815 | 7.4 | 69 | 762 | 128 | 463 | 97 | 98 | 99 |
| 15... | 0845 | 7.4 | 69 | 762 | 109 | 122 | 85 | 91 | 96 |
| APR | | | | | | | | | |
| 19... | 1115 | 8.2 | 82 | 752 | 62 | 189 | 98 | 98 | 99 |
| 19... | 1145 | 8.2 | 82 | 752 | 49 | 40 | 94 | 95 | 97 |
| MAY | | | | | | | | | |
| 17... | 1000 | 5.4 | 60 | 768 | 77 | 155 | 100 | -- | -- |
| 17... | 1030 | 5.4 | 60 | 768 | 69 | 69 | 100 | -- | -- |
| JUN | | | | | | | | | |
| 06... | 1500 | 4.9 | 62 | 757 | -- | -- | -- | -- | -- |
| 20... | 1400 | 5.0 | 65 | 760 | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | |
| 18... | 0945 | 4.0 | 51 | 760 | 119 | 76 | 96 | 97 | 98 |
| AUG | | | | | | | | | |
| 15... | 1420 | 6.7 | 88 | 761 | 132 | 92 | 93 | 97 | 98 |
| SEP | | | | | | | | | |
| 13... | 1030 | 5.0 | 61 | 762 | 103 | 204 | 98 | 98 | 98 |

07047950 L'ANGUILLE RIVER AT PALESTINE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163) |
|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | |
| 26... | 1200 | 98 | 100 | 5 | 7 | 55 | 98 | 100 | -- |
| 26... | 1300 | 100 | -- | 42 | 43 | 44 | 45 | 51 | -- |
| FEB | | | | | | | | | |
| 17... | 0930 | 100 | -- | 53 | 66 | 82 | 95 | 99 | 100 |
| 17... | 1000 | 100 | -- | 97 | 97 | 98 | 99 | 100 | -- |
| MAR | | | | | | | | | |
| 15... | 0815 | 100 | -- | 92 | 93 | 94 | 95 | 98 | 100 |
| 15... | 0845 | 100 | -- | 78 | 81 | 90 | 95 | 97 | -- |
| APR | | | | | | | | | |
| 19... | 1115 | 100 | -- | 48 | 56 | 73 | 89 | 99 | 100 |
| 19... | 1145 | 100 | -- | 96 | 97 | 98 | 99 | 100 | -- |
| MAY | | | | | | | | | |
| 17... | 1000 | -- | -- | 45 | 47 | 52 | 66 | 94 | 100 |
| 17... | 1030 | -- | -- | 93 | 95 | 97 | 98 | 99 | 100 |
| JUL | | | | | | | | | |
| 18... | 0945 | 100 | -- | 69 | 80 | 95 | 98 | 100 | -- |
| AUG | | | | | | | | | |
| 15... | 1420 | 100 | -- | 86 | 89 | 93 | 98 | 100 | -- |
| SEP | | | | | | | | | |
| 13... | 1030 | 100 | -- | 75 | 80 | 87 | 97 | 100 | -- |

07047964 L'ANGUILLE RIVER AT MARIANNA, AR

LOCATION.--Lat 34°47'12", long 90°45'00", in SE 1/4 sec.11, T.2 N., R.3 E., Lee County, Hydrologic Unit 08020205, at bridge on U.S. Highway 79, 1.0 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1100 | 9 | 9827 | 9827 | 7.7 | 25.0 | 23.0 | 35 | 6.5 | 2.5 |
| NOV | | | | | | | | | | |
| 01... | 1340 | 9 | 9827 | 9827 | 7.3 | 27.0 | 18.0 | 70 | 6.1 | 1.5 |
| 21... | 1235 | 9 | 9827 | 9827 | 7.5 | 19.0 | 14.0 | 20 | 8.6 | 4.8 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1215 | 9 | 9827 | 9827 | 6.7 | 5.0 | 2.0 | 120 | 12.0 | 2.3 |
| FEB | | | | | | | | | | |
| 28... | 1250 | 9 | 9827 | 9827 | 6.7 | 7.0 | 6.0 | 95 | 8.9 | 2.3 |
| MAR | | | | | | | | | | |
| 27... | 1245 | 9 | 9827 | 9827 | 6.4 | 20.0 | 14.0 | 110 | 7.1 | 1.8 |
| APR | | | | | | | | | | |
| 17... | 1245 | 9 | 9827 | 9827 | 6.5 | 20.0 | 17.0 | 60 | 6.8 | 3.3 |
| MAY | | | | | | | | | | |
| 08... | 0930 | 9 | 9827 | 9827 | 6.8 | 12.0 | 17.0 | 160 | -- | 1.5 |
| JUN | | | | | | | | | | |
| 19... | 1030 | 9 | 9827 | 9827 | 7.1 | 28.0 | 27.0 | 35 | 6.2 | -- |
| JUL | | | | | | | | | | |
| 31... | 1030 | 9 | 9827 | 9827 | 7.3 | 28.0 | 27.0 | 25 | 7.2 | 5.6 |
| AUG | | | | | | | | | | |
| 28... | 1030 | 9 | 9827 | 9827 | 7.7 | 29.0 | 26.0 | 75 | 6.2 | 2.4 |
| SEP | | | | | | | | | | |
| 25... | 1035 | 9 | 9827 | 9827 | 7.2 | 23.0 | 23.0 | 60 | 6.0 | 2.4 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, 1983 | | | | | | | | | | |
| 04... | 1100 | 52 | 28 | 28 | 341 | .46 | 63 | .23 | .120 | .240 |
| NOV | | | | | | | | | | |
| 01... | 1340 | 20 | 24 | 22 | 248 | .34 | 60 | .27 | .150 | -- |
| 21... | 1235 | 230 | 30 | 15 | 360 | .49 | 28 | .27 | -- | .210 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1215 | 110 | 8.0 | 7.5 | 147 | .20 | 103 | .53 | .250 | .280 |
| FEB | | | | | | | | | | |
| 28... | 1250 | 450 | 7.0 | 6.5 | 170 | .23 | -- | .18 | .160 | .270 |
| MAR | | | | | | | | | | |
| 27... | 1245 | 40 | 8.0 | 4.0 | 171 | .23 | 34 | .42 | .290 | .250 |
| APR | | | | | | | | | | |
| 17... | 1245 | 10 | 3.0 | 2.5 | 124 | .17 | 16 | .38 | .080 | .200 |
| MAY | | | | | | | | | | |
| 08... | 0930 | 2000 | 8.0 | 4.5 | 183 | .25 | 61 | .28 | -- | .460 |
| JUN | | | | | | | | | | |
| 19... | 1030 | 120 | 8.0 | 10 | 152 | .21 | 41 | .08 | .070 | -- |
| JUL | | | | | | | | | | |
| 31... | 1030 | 8 | 18 | 17 | 245 | .33 | 32 | .44 | .020 | .190 |
| AUG | | | | | | | | | | |
| 28... | 1030 | 150 | 14 | 20 | 249 | .34 | 144 | .31 | .100 | .290 |
| SEP | | | | | | | | | | |
| 25... | 1035 | 410 | 8.0 | 12 | 132 | .18 | 127 | .11 | .050 | .250 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1100 | .070 | -- | 0 | 4 | 17 | 1 | -- | -- |
| NOV | | | | | | | | | |
| 01... | 1340 | .120 | <5 | 0 | 6 | <10 | 3 | <5 | 0 |
| 21... | 1235 | .010 | -- | 0 | 2 | <10 | 5 | -- | 260 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1215 | .110 | -- | 0 | 7 | <10 | 4 | -- | 30 |
| FEB | | | | | | | | | |
| 28... | 1250 | .140 | 5 | 0 | 4 | 12 | 4 | <5 | -- |
| MAR | | | | | | | | | |
| 27... | 1245 | .210 | -- | 0 | 3 | <10 | -- | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1245 | .140 | <5 | 0 | 2 | 12 | 2 | <5 | 520 |
| MAY | | | | | | | | | |
| 08... | 0930 | .350 | -- | 0 | -- | 36 | 13 | -- | -- |
| JUN | | | | | | | | | |
| 19... | 1030 | .060 | -- | 0 | <1 | <10 | 2 | -- | 0 |
| JUL | | | | | | | | | |
| 31... | 1030 | .020 | <5 | 0 | 2 | <10 | 2 | <5 | -- |
| AUG | | | | | | | | | |
| 28... | 1030 | .080 | -- | 0 | 7 | <10 | 4 | -- | 40 |
| SEP | | | | | | | | | |
| 25... | 1035 | .090 | -- | 0 | 4 | <10 | 4 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1235 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1215 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 17... | 1245 | .000 | .000 | .000 | .000 | .000 | .00 | .14 | .0 |
| JUL | | | | | | | | | |
| 31... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR

LOCATION.--Lat 36°03'00", long 94°04'42", in NW 1/4 sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi 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, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 0710 | 9 | 9827 | 9827 | 7.6 | 16.0 | 8.0 | 3.5 | 9.7 |
| DEC | | | | | | | | | |
| 06... | 0800 | 9 | 9827 | 9827 | 7.6 | .0 | 5.0 | 25 | 10.6 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0835 | 9 | 9827 | 9827 | 7.4 | -3.0 | 1.0 | 4.0 | 12.7 |
| FEB | | | | | | | | | |
| 07... | 1601 | 9 | 9827 | 9827 | 7.6 | 12.0 | 6.0 | 5.0 | -- |
| MAR | | | | | | | | | |
| 06... | 1248 | 9 | 9827 | 9827 | 7.2 | 12.0 | 7.0 | 30 | 11.5 |
| APR | | | | | | | | | |
| 17... | 1235 | 9 | 9827 | 9827 | 7.5 | 16.0 | 13.0 | 15 | 10.4 |
| JUN | | | | | | | | | |
| 12... | 1347 | 9 | 9827 | 9827 | 7.6 | 30.0 | 27.0 | 20 | 7.6 |
| JUL | | | | | | | | | |
| 24... | 1134 | 9 | 9827 | 9827 | 7.5 | 31.0 | 27.0 | 9.8 | 5.9 |
| AUG | | | | | | | | | |
| 21... | 0551 | 9 | 9827 | 9827 | 7.4 | 24.0 | 26.0 | 9.0 | 5.8 |
| SEP | | | | | | | | | |
| 18... | 1426 | 9 | 9827 | 9827 | 7.7 | 28.0 | 25.0 | 20 | 6.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 0710 | 3.5 | 6 | 38 | 17 | 206 | .28 | 7 | .07 |
| DEC | | | | | | | | | |
| 06... | 0800 | 1.0 | 120 | 27 | 7.0 | 132 | .18 | 14 | .94 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0835 | 1.1 | 44 | 32 | 38 | 138 | .19 | 6 | .67 |
| FEB | | | | | | | | | |
| 07... | 1601 | 1.8 | 4 | 38 | 12 | 136 | .19 | 6 | .50 |
| MAR | | | | | | | | | |
| 06... | 1248 | 1.3 | 230 | 10 | 4.0 | 82 | .11 | 24 | 1.1 |
| APR | | | | | | | | | |
| 17... | 1235 | .6 | 30 | 11 | 4.0 | 89 | .12 | 12 | .56 |
| JUN | | | | | | | | | |
| 12... | 1347 | 1.4 | 120 | 15 | 7.0 | 111 | .15 | 15 | .17 |
| JUL | | | | | | | | | |
| 24... | 1134 | 2.5 | 80 | 21 | 8.5 | 140 | .19 | 20 | .05 |
| AUG | | | | | | | | | |
| 21... | 0551 | 3.0 | 24 | 21 | 7.5 | 136 | .19 | 13 | .11 |
| SEP | | | | | | | | | |
| 18... | 1426 | 1.4 | 35 | 26 | 14 | 181 | .25 | 20 | .10 |

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 0710 | -- | .070 | -- | 0 | <1 | 11 | 3 | 50 |
| DEC | | | | | | | | | |
| 06... | 0800 | .040 | .050 | <.010 | 0 | 2 | 10 | 21 | 80 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0835 | .100 | .100 | .040 | 0 | 2 | <10 | -- | 40 |
| FEB | | | | | | | | | |
| 07... | 1601 | .090 | .040 | .040 | 1 | <1 | 12 | 10 | 20 |
| MAR | | | | | | | | | |
| 06... | 1248 | -- | .090 | .050 | 2 | 1 | <10 | -- | 160 |
| APR | | | | | | | | | |
| 17... | 1235 | .060 | .050 | .050 | 1 | 2 | <10 | 5 | 10 |
| JUN | | | | | | | | | |
| 12... | 1347 | .040 | -- | .030 | 0 | <1 | 10 | 8 | 20 |
| JUL | | | | | | | | | |
| 24... | 1134 | .050 | .080 | .020 | 1 | 2 | <10 | 8 | 20 |
| AUG | | | | | | | | | |
| 21... | 0551 | .100 | .070 | .040 | 2 | 1 | <10 | 8 | 40 |
| SEP | | | | | | | | | |
| 18... | 1426 | .120 | .070 | .040 | 0 | 2 | 15 | 22 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 18... | 1426 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07048600 WHITE RIVER NEAR FAYETTEVILLE, AR

LOCATION.--Lat 36°04'23", long 94°04'51", in NE 1/4 SW 1/4 sec.8, T.16 N., R.29 W., Washington, County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi downstream from West Fork White River, 0.8 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).

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--21 years, 508 $ft^3/s$, 17.25 in/yr, 368,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,400 $ft^3/s$ Nov. 25, 1973, gage height, 30.29 ft, from rating curve extended above 30,900 $ft^3/s$; minimum, 0.10 $ft^3/s$ Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 $ft^3/s$ May 7, at 2200 hours, gage height, 18.22 ft, no other peak above base of 8,000 $ft^3/s$; minimum, 0.88 $ft^3/s$ Nov. 13-14, gage height, 0.99 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.9 | 6.3 | 180 | 60 | 79 | 1160 | 1420 | 378 | 653 | 9.5 | 11 | 7.5 |
| 2 | 4.9 | 6.7 | 223 | 60 | 81 | 1460 | 1530 | 336 | 516 | 8.7 | 11 | 6.5 |
| 3 | 6.5 | 6.8 | 237 | 60 | 84 | 1320 | 2480 | 1050 | 421 | 9.4 | 11 | 14 |
| 4 | 10 | 11 | 352 | 62 | 82 | 3920 | 1640 | 604 | 347 | 19 | 12 | 10 |
| 5 | 12 | 12 | 353 | 69 | 77 | 3800 | 1300 | 464 | 293 | 11 | 11 | 7.7 |
| 6 | 9.8 | 8.5 | 288 | 74 | 78 | 1950 | 1070 | 1350 | 309 | 8.6 | 7.9 | 6.4 |
| 7 | 9.0 | 7.4 | 233 | 77 | 75 | 1360 | 921 | 7790 | 267 | 18 | 5.9 | 5.6 |
| 8 | 8.7 | 7.0 | 198 | 77 | 75 | 1030 | 1900 | 5760 | 216 | 12 | 9.1 | 5.0 |
| 9 | 10 | 6.4 | 164 | 81 | 72 | 801 | 2400 | 2260 | 184 | 8.5 | 25 | 5.8 |
| 10 | 11 | 12 | 154 | 92 | 72 | 657 | 1690 | 1550 | 141 | 6.5 | 11 | 10 |
| 11 | 12 | 3.7 | 490 | 92 | 125 | 556 | 1340 | 1140 | 125 | 6.7 | 9.7 | 7.8 |
| 12 | 19 | 2.1 | 593 | 92 | 1680 | 597 | 1150 | 886 | 108 | 13 | 9.5 | 6.3 |
| 13 | 15 | 1.1 | 434 | 93 | 1150 | 710 | 964 | 703 | 94 | 14 | 8.4 | 5.5 |
| 14 | 13 | .98 | 409 | 89 | 749 | 594 | 803 | 569 | 82 | 14 | 8.3 | 5.7 |
| 15 | 12 | 1.2 | 356 | 86 | 570 | 527 | 715 | 770 | 74 | 14 | 8.3 | 8.8 |
| 16 | 11 | 1.4 | 294 | 86 | 521 | 482 | 638 | 542 | 61 | 17 | 8.3 | 8.7 |
| 17 | 42 | 2.1 | 249 | 83 | 476 | 699 | 552 | 395 | 50 | 12 | 8.3 | 8.9 |
| 18 | 13 | 4.2 | 215 | 80 | 403 | 933 | 482 | 314 | 40 | 14 | 8.3 | 7.9 |
| 19 | 4.3 | 46 | 198 | 62 | 362 | 2390 | 431 | 272 | 42 | 9.9 | 10 | 7.6 |
| 20 | 18 | 19 | 171 | 68 | 318 | 1400 | 415 | 277 | 63 | 9.4 | 11 | 7.6 |
| 21 | 7.4 | 7.0 | 152 | 60 | 283 | 1050 | 3940 | 279 | 145 | 9.4 | 11 | 7.6 |
| 22 | 4.3 | 4.5 | 127 | 64 | 257 | 831 | 1900 | 269 | 57 | 9.4 | 11 | 18 |
| 23 | 2.2 | 455 | 115 | 69 | 234 | 760 | 1310 | 221 | 35 | 8.6 | 12 | 16 |
| 24 | 1.7 | 815 | 90 | 72 | 214 | 2450 | 1030 | 183 | 27 | 9.4 | 10 | 7.5 |
| 25 | 6.2 | 391 | 95 | 72 | 199 | 1520 | 846 | 137 | 22 | 9.3 | 9.1 | 33 |
| 26 | 6.1 | 264 | 89 | 73 | 756 | 1180 | 713 | 2550 | 22 | 9.4 | 8.8 | 263 |
| 27 | 6.0 | 233 | 85 | 75 | 3130 | 1030 | 616 | 3520 | 15 | 36 | 8.6 | 290 |
| 28 | 5.8 | 308 | 85 | 78 | 1710 | 5060 | 518 | 3700 | 14 | 18 | 8.8 | 160 |
| 29 | 5.8 | 279 | 71 | 79 | 1250 | 3190 | 464 | 1760 | 12 | 13 | 8.3 | 117 |
| 30 | 5.8 | 220 | 62 | 80 | --- | 1850 | 427 | 1170 | 11 | 12 | 7.8 | 92 |
| 31 | 5.8 | --- | 62 | 79 | --- | 1490 | --- | 850 | --- | 11 | 7.6 | --- |
| TOTAL | 303.2 | 3142.38 | 6824 | 2344 | 15162 | 46757 | 35605 | 42049 | 4446 | 380.7 | 308.0 | 1157.4 |
| MEAN | 9.78 | 105 | 220 | 75.6 | 523 | 1508 | 1187 | 1356 | 148 | 12.3 | 9.94 | 38.6 |
| MAX | 42 | 815 | 593 | 93 | 3130 | 5060 | 3940 | 7790 | 653 | 36 | 25 | 290 |
| MIN | 1.7 | .98 | 62 | 60 | 72 | 482 | 415 | 137 | 11 | 6.5 | 5.9 | 5.0 |
| CFSM | .02 | .26 | .55 | .19 | 1.31 | 3.77 | 2.97 | 3.39 | .37 | .03 | .02 | .10 |
| IN. | .03 | .29 | .63 | .22 | 1.41 | 4.35 | 3.31 | 3.91 | .41 | .04 | .03 | .11 |
| AC-FT | 601 | 6230 | 13540 | 4650 | 30070 | 92740 | 70620 | 83400 | 8820 | 755 | 611 | 2300 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 135847.58 | MEAN | 372 | MAX | 5010 | MIN | .98 | CFSM | .93 | IN. | 12.63 | AC-FT | 269500 |
| WTR YR 1984 | TOTAL | 158478.68 | MEAN | 433 | MAX | 7790 | MIN | .98 | CFSM | 1.08 | IN. | 14.74 | AC-FT | 314300 |

07048700 WHITE RIVER NEAR GOSHEN, AR

LOCATION.--Lat 36°06'21", long 94°00'41", in NE 1/4 NW 1/4 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1745 | 9 | 9827 | 9827 | -- | -- | 23 | -- | 7.5 | 19.0 | 20.0 |
| 11... | 1819 | 9 | 9827 | 9827 | -- | -- | -- | -- | 7.4 | 19.0 | 20.0 |
| NOV | | | | | | | | | | | |
| 21... | 0730 | 9 | 9827 | 9827 | -- | -- | 18 | -- | 7.3 | 17.0 | 14.0 |
| DEC | | | | | | | | | | | |
| 06... | 1255 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | -- | 1.0 | -- |
| 06... | 1300 | 9 | 80513 | 80010 | 3.00 | 6.0 | -- | 110 | 7.9 | -- | 6.0 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 0800 | 9 | 9827 | 9827 | -- | -- | 83 | -- | 7.2 | 2.0 | 3.0 |
| 31... | 1335 | 9 | 9827 | 9827 | -- | -- | -- | -- | -- | 14.0 | 5.0 |
| FEB | | | | | | | | | | | |
| 07... | 0800 | 9 | 9827 | 9827 | -- | -- | 86 | -- | 7.3 | 2.0 | 1.0 |
| MAR | | | | | | | | | | | |
| 06... | 0800 | 9 | 9827 | 9827 | -- | -- | 1970 | -- | 6.9 | 9.0 | 6.0 |
| 20... | 0800 | 9 | 9827 | 9827 | -- | -- | 1420 | -- | 7.2 | 3.0 | 8.0 |
| APR | | | | | | | | | | | |
| 17... | 0800 | 9 | 9827 | 9827 | -- | -- | 567 | -- | 7.3 | 21.0 | 11.0 |
| MAY | | | | | | | | | | | |
| 15... | 1130 | 9 | 9827 | 9827 | -- | -- | 790 | -- | 7.1 | 19.0 | 20.0 |
| 21... | 1135 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | -- | 26.0 | -- |
| 21... | 1136 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 21... | 1140 | 9 | 80513 | 80010 | 5.00 | 10.0 | -- | 124 | 7.2 | -- | 21.5 |
| JUN | | | | | | | | | | | |
| 12... | 0820 | 9 | 9827 | 9827 | -- | -- | 118 | -- | 7.2 | 27.0 | 27.0 |
| JUL | | | | | | | | | | | |
| 24... | 0545 | 9 | 9827 | 9827 | -- | -- | 16 | -- | 7.9 | 18.0 | 25.0 |
| AUG | | | | | | | | | | | |
| 13... | 1215 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | -- | 32.0 | -- |
| 13... | 1220 | 9 | 80513 | 80010 | 3.00 | 6.0 | -- | 358 | 7.8 | -- | 26.0 |
| 21... | 0635 | 9 | 9827 | 9827 | -- | -- | 21 | -- | 7.3 | 24.0 | 27.0 |
| SEP | | | | | | | | | | | |
| 18... | 0645 | 9 | 9827 | 9827 | -- | -- | 18 | -- | 7.5 | 10.0 | 19.0 |

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1745 | -- | 15 | -- | -- | 4.8 | -- | -- | -- | 2.8 |
| 11... | 1819 | -- | 8.0 | -- | -- | 7.0 | -- | -- | -- | 1.5 |
| NOV | | | | | | | | | | |
| 21... | 0730 | -- | 20 | -- | -- | 3.8 | -- | -- | -- | 7.1 |
| DEC | | | | | | | | | | |
| 06... | 1255 | -- | -- | 26 | .67 | -- | -- | 739 | -- | -- |
| 06... | 1300 | 22 | 16 | -- | -- | 10.8 | 89 | 739 | -- | 1.2 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0800 | -- | 5.4 | -- | -- | 11.4 | -- | -- | -- | 1.5 |
| FEB | | | | | | | | | | |
| 07... | 0800 | -- | 5.0 | -- | -- | 12.0 | -- | -- | -- | 1.8 |
| MAR | | | | | | | | | | |
| 06... | 0800 | -- | 40 | -- | -- | 11.3 | -- | -- | -- | 1.5 |
| 20... | 0800 | -- | 50 | -- | -- | 10.6 | -- | -- | -- | 2.5 |
| APR | | | | | | | | | | |
| 17... | 0800 | -- | 9.0 | -- | -- | 10.0 | -- | -- | -- | 1.2 |
| MAY | | | | | | | | | | |
| 15... | 1130 | -- | 25 | -- | -- | 8.0 | -- | -- | -- | 1.9 |
| 21... | 1135 | -- | -- | 23 | .58 | -- | -- | 728 | -- | -- |
| 21... | 1136 | -- | -- | -- | -- | -- | -- | 728 | -- | -- |
| 21... | 1140 | 10 | 22 | -- | -- | 6.1 | 72 | 728 | -- | 2.5 |
| JUN | | | | | | | | | | |
| 12... | 0820 | -- | 8.5 | -- | -- | 6.8 | -- | -- | 7 | 2.5 |
| JUL | | | | | | | | | | |
| 24... | 0545 | -- | 8.5 | -- | -- | 8.1 | -- | -- | -- | 4.3 |
| AUG | | | | | | | | | | |
| 13... | 1215 | -- | -- | 20 | .52 | -- | -- | 736 | -- | -- |
| 13... | 1220 | 8 | 8.7 | -- | -- | 2.8 | 36 | 736 | -- | 4.9 |
| 21... | 0635 | -- | 20 | -- | -- | 3.2 | -- | -- | -- | 6.9 |
| SEP | | | | | | | | | | |
| 18... | 0645 | -- | 20 | -- | -- | 4.3 | -- | -- | -- | 5.0 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1745 | 110 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11... | 1819 | 210 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 21... | 0730 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 06... | 1255 | -- | 9 | -- | -- | -- | -- | -- | -- | -- |
| 06... | 1300 | -- | -- | 49 | 16 | 16 | 16 | 40 | 2.2 | 1.5 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0800 | <4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 31... | 1335 | 4 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 0800 | <4 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 0800 | 160 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 0800 | >600 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 0800 | <10 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1130 | 350 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1135 | -- | 39 | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1140 | -- | -- | 56 | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 0820 | 84 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 0545 | 280 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1215 | -- | 150 | -- | -- | -- | -- | -- | -- | -- |
| 13... | 1220 | -- | -- | 48 | -- | -- | -- | -- | -- | -- |
| 21... | 0635 | 36 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 18... | 0645 | 8 | -- | -- | -- | -- | -- | -- | -- | -- |

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1745 | -- | 31 | 43 | 236 | .32 | 16 | .88 | 4.90 | -- |
| 11... | 1819 | -- | 17 | 8.5 | 118 | .16 | 11 | .04 | .060 | -- |
| NOV | | | | | | | | | | |
| 21... | 0730 | -- | 38 | 28 | 221 | .30 | 23 | .63 | 1.05 | -- |
| DEC | | | | | | | | | | |
| 06... | 1300 | 33 | 14 | 5.4 | -- | -- | -- | 1.1 | .370 | .13 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0800 | -- | 18 | 11 | 97 | .13 | 6 | .90 | 1.14 | -- |
| FEB | | | | | | | | | | |
| 07... | 0800 | -- | 19 | 10 | 93 | .13 | 6 | .83 | 1.22 | -- |
| MAR | | | | | | | | | | |
| 06... | 0800 | -- | 6.0 | 3.0 | 69 | .09 | 28 | 1.0 | .100 | -- |
| 20... | 0800 | -- | 9.0 | 3.5 | 84 | .11 | 34 | .71 | .130 | -- |
| APR | | | | | | | | | | |
| 17... | 0800 | -- | 7.0 | 4.0 | 74 | .10 | 10 | .62 | .170 | -- |
| MAY | | | | | | | | | | |
| 15... | 1130 | -- | 14 | 3.0 | 72 | .10 | 16 | .58 | .170 | -- |
| 21... | 1140 | 46 | -- | -- | -- | -- | -- | .60 | .110 | .99 |
| JUN | | | | | | | | | | |
| 12... | 0820 | -- | 12 | 7.5 | 95 | .13 | 5 | .83 | .070 | -- |
| JUL | | | | | | | | | | |
| 24... | 0545 | -- | 25 | 30 | 209 | .28 | 21 | 1.8 | .070 | -- |
| AUG | | | | | | | | | | |
| 13... | 1220 | 107 | -- | -- | -- | -- | -- | .50 | -- | -- |
| 21... | 0635 | -- | 32 | 46 | 268 | .36 | 23 | 1.4 | 2.20 | -- |
| SEP | | | | | | | | | | |
| 18... | 0645 | -- | 29 | 62 | 305 | .41 | 22 | 1.1 | 2.20 | -- |

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS TOTAL (MG/L AS PO4) (71886) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1745 | -- | -- | -- | 2.30 | -- | 1.75 | -- | -- | 0 |
| 11... | 1819 | -- | -- | -- | .050 | -- | <.010 | -- | -- | 0 |
| NOV | | | | | | | | | | |
| 21... | 0730 | -- | -- | -- | 1.50 | -- | -- | -- | -- | 0 |
| DEC | | | | | | | | | | |
| 06... | 1300 | .50 | 1.6 | 7.1 | .160 | .49 | .130 | 350 | 1 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0800 | -- | -- | -- | .640 | -- | .560 | -- | -- | 0 |
| FEB | | | | | | | | | | |
| 07... | 0800 | -- | -- | -- | .600 | -- | .600 | -- | -- | 0 |
| MAR | | | | | | | | | | |
| 06... | 0800 | -- | -- | -- | .140 | -- | -- | -- | -- | 0 |
| 20... | 0800 | -- | -- | -- | -- | -- | .080 | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 0800 | -- | -- | -- | .140 | -- | .100 | -- | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1130 | -- | -- | -- | .140 | -- | .060 | -- | -- | 0 |
| 21... | 1140 | 1.1 | 1.7 | 7.5 | .170 | -- | <.010 | 260 | 1 | -- |
| JUN | | | | | | | | | | |
| 12... | 0820 | -- | -- | -- | -- | -- | .420 | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 0545 | -- | -- | -- | .970 | -- | .790 | -- | -- | 0 |
| AUG | | | | | | | | | | |
| 13... | 1220 | -- | -- | -- | 1.40 | -- | 1.50 | 360 | 3 | -- |
| 21... | 0635 | -- | -- | -- | 1.70 | -- | 1.50 | -- | -- | 0 |
| SEP | | | | | | | | | | |
| 18... | 0645 | -- | -- | -- | 2.35 | -- | 2.00 | -- | -- | -- |

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1745 | 2 | 33 | -- | 12 | -- | -- | -- | 40 | -- |
| 11... | 1819 | 1 | 24 | -- | 9 | -- | -- | -- | 60 | -- |
| NOV | | | | | | | | | | |
| 21... | 0730 | 5 | 15 | -- | 5 | -- | -- | -- | 40 | -- |
| DEC | | | | | | | | | | |
| 06... | 1300 | 10 | 2 | 780 | <1 | 60 | <.1 | 4 | 10 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0800 | <1 | 28 | -- | 38 | -- | -- | -- | 140 | -- |
| FEB | | | | | | | | | | |
| 07... | 0800 | <1 | 17 | -- | 13 | -- | -- | -- | 60 | -- |
| MAR | | | | | | | | | | |
| 06... | 0800 | 1 | <10 | -- | 6 | -- | -- | -- | 80 | -- |
| 20... | 0800 | <1 | <10 | -- | 10 | -- | -- | -- | 40 | -- |
| APR | | | | | | | | | | |
| 17... | 0800 | 2 | <10 | -- | 3 | -- | -- | -- | 30 | -- |
| MAY | | | | | | | | | | |
| 15... | 1130 | 1 | 13 | -- | 5 | -- | -- | -- | -- | -- |
| 21... | 1140 | <10 | 2 | 710 | <1 | 100 | <.1 | 5 | <10 | -- |
| JUN | | | | | | | | | | |
| 12... | 0820 | 2 | 13 | -- | 4 | -- | -- | -- | 30 | -- |
| JUL | | | | | | | | | | |
| 24... | 0545 | <1 | -- | -- | 5 | -- | -- | -- | 40 | .000 |
| AUG | | | | | | | | | | |
| 13... | 1220 | <10 | 3 | 1400 | 1 | 1600 | .1 | 12 | 30 | -- |
| 21... | 0635 | 3 | 13 | -- | 6 | -- | -- | -- | 20 | -- |
| SEP | | | | | | | | | | |
| 18... | 0645 | 2 | 23 | -- | 5 | -- | -- | -- | 110 | -- |

| DATE | TIME | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | | |
| 06... | 1300 | -- | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| MAY, 1984 | | | | | | | | | | |
| 21... | 1136 | -- | -- | -- | -- | -- | -- | -- | 1.80 | <.100 |
| JUL | | | | | | | | | | |
| 24... | 0545 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1220 | -- | -- | -- | -- | -- | -- | -- | 13.0 | <.100 |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 20... | 1120 | 9 | 80513 | 80513 | .00 | 179 | 132 | 8.0 |
| 20... | 1122 | 9 | 80513 | 80513 | 10.0 | 179 | 132 | 8.0 |
| 20... | 1124 | 9 | 80513 | 80513 | 20.0 | 179 | 132 | 8.0 |
| 20... | 1126 | 9 | 80513 | 80513 | 30.0 | 179 | 132 | 8.0 |
| 20... | 1128 | 9 | 80513 | 80513 | 40.0 | 179 | 133 | 8.0 |
| 20... | 1130 | 9 | 80513 | 80513 | 48.0 | 179 | 134 | 7.6 |
| 20... | 1132 | 9 | 80513 | 80513 | 50.0 | 179 | 133 | 7.5 |
| 20... | 1134 | 9 | 80513 | 80513 | 52.0 | 179 | 133 | 7.4 |
| 20... | 1136 | 9 | 80513 | 80513 | 55.0 | 179 | 132 | 7.3 |
| 20... | 1138 | 9 | 80513 | 80513 | 60.0 | 179 | 132 | 7.3 |
| 20... | 1140 | 9 | 80513 | 80513 | 65.0 | 179 | 130 | 7.2 |
| 20... | 1142 | 9 | 80513 | 80513 | 70.0 | 179 | 129 | 7.2 |
| 20... | 1144 | 9 | 80513 | 80513 | 80.0 | 179 | 126 | 7.2 |
| 20... | 1146 | 9 | 80513 | 80513 | 90.0 | 179 | 123 | 7.1 |
| 20... | 1148 | 9 | 80513 | 80513 | 100 | 179 | 122 | 7.1 |
| 20... | 1150 | 9 | 80513 | 80513 | 110 | 179 | 121 | 7.1 |
| 20... | 1152 | 9 | 80513 | 80513 | 120 | 179 | 121 | 7.1 |
| 20... | 1154 | 9 | 80513 | 80513 | 130 | 179 | 122 | 7.1 |
| 20... | 1156 | 9 | 80513 | 80513 | 140 | 179 | 125 | 7.0 |
| 20... | 1158 | 9 | 80513 | 80513 | 150 | 179 | 129 | 7.0 |
| 20... | 1200 | 9 | 80513 | 80513 | 160 | 179 | 132 | 7.0 |
| 20... | 1203 | 9 | 80513 | 80513 | 170 | 179 | 137 | 6.9 |
| 20... | 1205 | 9 | 80513 | 80513 | 179 | 179 | 145 | 6.9 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 20... | 1120 | 20.0 | 296 | 7.5 | 8.0 | 91 | 734 |
| 20... | 1122 | 20.0 | -- | -- | 7.7 | -- | -- |
| 20... | 1124 | 20.0 | -- | -- | 7.3 | -- | -- |
| 20... | 1126 | 20.0 | -- | -- | 7.1 | -- | -- |
| 20... | 1128 | 19.5 | -- | -- | 6.8 | -- | -- |
| 20... | 1130 | 18.5 | -- | -- | 4.0 | -- | -- |
| 20... | 1132 | 17.5 | -- | -- | 3.7 | -- | -- |
| 20... | 1134 | 16.5 | -- | -- | 3.6 | -- | -- |
| 20... | 1136 | 15.5 | -- | -- | 2.6 | -- | -- |
| 20... | 1138 | 14.5 | -- | -- | 2.6 | -- | -- |
| 20... | 1140 | 13.5 | -- | -- | 2.2 | -- | -- |
| 20... | 1142 | 13.0 | -- | -- | 2.1 | -- | -- |
| 20... | 1144 | 12.0 | -- | -- | 2.0 | -- | -- |
| 20... | 1146 | 11.0 | -- | -- | 2.2 | -- | -- |
| 20... | 1148 | 11.0 | -- | -- | 2.3 | -- | -- |
| 20... | 1150 | 10.5 | -- | -- | 2.4 | -- | -- |
| 20... | 1152 | 10.0 | -- | -- | 2.2 | -- | -- |
| 20... | 1154 | 9.5 | -- | -- | 1.9 | -- | -- |
| 20... | 1156 | 9.0 | -- | -- | 1.4 | -- | -- |
| 20... | 1158 | 9.0 | -- | -- | .5 | -- | -- |
| 20... | 1200 | 8.5 | -- | -- | .2 | -- | -- |
| 20... | 1203 | 8.5 | -- | -- | .1 | -- | -- |
| 20... | 1205 | 8.5 | -- | -- | .1 | -- | -- |

WHITE RIVER BASIN

07049690 BEAVER LEAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 14... | 1215 | 9 | 80513 | 80513 | .00 | 173 | 142 | 8.5 |
| 14... | 1216 | 9 | 80513 | 80513 | 10.0 | 173 | 142 | 8.5 |
| 14... | 1218 | 9 | 80513 | 80513 | 20.0 | 173 | 142 | 8.5 |
| 14... | 1220 | 9 | 80513 | 80513 | 30.0 | 173 | 142 | 8.5 |
| 14... | 1224 | 9 | 80513 | 80513 | 40.0 | 173 | 142 | 8.5 |
| 14... | 1226 | 9 | 80513 | 80513 | 50.0 | 173 | 142 | 8.5 |
| 14... | 1228 | 9 | 80513 | 80513 | 60.0 | 173 | 142 | 8.5 |
| 14... | 1230 | 9 | 80513 | 80513 | 61.0 | 173 | 140 | 8.1 |
| 14... | 1232 | 9 | 80513 | 80513 | 65.0 | 173 | 140 | 8.1 |
| 14... | 1234 | 9 | 80513 | 80513 | 70.0 | 173 | 138 | 8.0 |
| 14... | 1236 | 9 | 80513 | 80513 | 80.0 | 173 | 136 | 8.0 |
| 14... | 1238 | 9 | 80513 | 80513 | 90.0 | 173 | 134 | 8.0 |
| 14... | 1240 | 9 | 80513 | 80513 | 100 | 173 | 134 | 8.0 |
| 14... | 1242 | 9 | 80513 | 80513 | 110 | 173 | 132 | 8.0 |
| 14... | 1244 | 9 | 80513 | 80513 | 120 | 173 | 132 | 8.0 |
| 14... | 1246 | 9 | 80513 | 80513 | 130 | 173 | 134 | 8.0 |
| 14... | 1248 | 9 | 80513 | 80513 | 140 | 173 | 136 | 7.9 |
| 14... | 1250 | 9 | 80513 | 80513 | 150 | 173 | 140 | 7.9 |
| 14... | 1252 | 9 | 80513 | 80513 | 160 | 173 | 144 | 7.9 |
| 14... | 1254 | 9 | 80513 | 80513 | 170 | 173 | 146 | 7.9 |
| 14... | 1255 | 9 | 80513 | 80513 | 173 | 173 | 148 | 7.9 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 14... | 1215 | 14.5 | 166 | 4.2 | 8.4 | 83 | 760 |
| 14... | 1216 | 14.5 | -- | -- | 8.3 | -- | -- |
| 14... | 1218 | 14.5 | -- | -- | 8.2 | -- | -- |
| 14... | 1220 | 14.5 | -- | -- | 8.2 | -- | -- |
| 14... | 1224 | 14.5 | -- | -- | 8.2 | -- | -- |
| 14... | 1226 | 14.5 | -- | -- | 8.2 | -- | -- |
| 14... | 1228 | 14.5 | -- | -- | 7.8 | -- | -- |
| 14... | 1230 | 13.5 | -- | -- | 1.8 | -- | -- |
| 14... | 1232 | 12.5 | -- | -- | 1.3 | -- | -- |
| 14... | 1234 | 12.5 | -- | -- | 1.3 | -- | -- |
| 14... | 1236 | 11.5 | -- | -- | 1.6 | -- | -- |
| 14... | 1238 | 10.5 | -- | -- | 2.0 | -- | -- |
| 14... | 1240 | 10.0 | -- | -- | 2.2 | -- | -- |
| 14... | 1242 | 9.5 | -- | -- | 2.2 | -- | -- |
| 14... | 1244 | 9.0 | -- | -- | 1.6 | -- | -- |
| 14... | 1246 | 8.5 | -- | -- | 1.0 | -- | -- |
| 14... | 1248 | 8.5 | -- | -- | .5 | -- | -- |
| 14... | 1250 | 8.5 | -- | -- | .2 | -- | -- |
| 14... | 1252 | 8.5 | -- | -- | .1 | -- | -- |
| 14... | 1254 | 8.0 | -- | -- | .1 | -- | -- |
| 14... | 1255 | 8.0 | -- | -- | .1 | -- | -- |

07049690 BEAVER LEAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 0830 | 9 | 80513 | 80513 | .00 | 176 | 138 | 6.3 | 3.0 | 11.0 |
| 07... | 0831 | 9 | 80513 | 80010 | 3.00 | 176 | -- | -- | -- | -- |
| 07... | 0832 | 9 | 80513 | 80513 | 10.0 | 176 | 138 | 6.3 | -- | 11.0 |
| 07... | 0834 | 9 | 80513 | 80513 | 20.0 | 176 | 138 | 6.3 | -- | 11.0 |
| 07... | 0835 | 9 | 80513 | 80010 | 25.0 | 176 | 138 | 8.1 | -- | 11.0 |
| 07... | 0838 | 9 | 80513 | 80513 | 30.0 | 176 | 138 | 6.2 | -- | 11.0 |
| 07... | 0840 | 9 | 80513 | 80513 | 40.0 | 176 | 138 | 6.4 | -- | 11.0 |
| 07... | 0842 | 9 | 80513 | 80513 | 50.0 | 176 | 138 | 6.4 | -- | 11.0 |
| 07... | 0844 | 9 | 80513 | 80513 | 60.0 | 176 | 138 | 6.5 | -- | 11.0 |
| 07... | 0846 | 9 | 80513 | 80513 | 70.0 | 176 | 138 | 6.5 | -- | 11.0 |
| 07... | 0848 | 9 | 80513 | 80513 | 80.0 | 176 | 138 | 6.7 | -- | 11.0 |
| 07... | 0849 | 9 | 80513 | 80513 | 90.0 | 176 | 138 | 6.5 | -- | 11.0 |
| 07... | 0850 | 9 | 80513 | 80010 | 100 | 176 | 138 | 6.8 | -- | 11.0 |
| 07... | 0852 | 9 | 80513 | 80513 | 110 | 176 | 132 | 6.3 | -- | 10.0 |
| 07... | 0854 | 9 | 80513 | 80513 | 120 | 176 | 132 | 6.1 | -- | 10.0 |
| 07... | 0856 | 9 | 80513 | 80513 | 130 | 176 | 132 | 6.2 | -- | 9.5 |
| 07... | 0858 | 9 | 80513 | 80513 | 140 | 176 | 132 | 6.2 | -- | 9.0 |
| 07... | 0900 | 9 | 80513 | 80513 | 150 | 176 | 138 | 6.2 | -- | 9.0 |
| 07... | 0902 | 9 | 80513 | 80513 | 160 | 176 | 141 | 6.1 | -- | 9.0 |
| 07... | 0904 | 9 | 80513 | 80513 | 170 | 176 | 146 | 6.2 | -- | 8.5 |
| 07... | 0905 | 9 | 80513 | 80513 | 176 | 176 | 152 | 6.4 | -- | 8.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 0830 | 156 | 4.0 | 8.8 | 83 | 735 | -- | -- | -- | 0 |
| 07... | 0831 | -- | -- | -- | -- | 735 | -- | -- | -- | -- |
| 07... | 0832 | -- | -- | 9.1 | -- | -- | -- | -- | -- | -- |
| 07... | 0834 | -- | -- | 9.1 | -- | -- | -- | -- | -- | -- |
| 07... | 0835 | -- | -- | 9.0 | 85 | 735 | 4 | <1.0 | .8 | -- |
| 07... | 0838 | -- | -- | 9.0 | -- | -- | -- | -- | -- | -- |
| 07... | 0840 | -- | -- | 9.2 | -- | -- | -- | -- | -- | -- |
| 07... | 0842 | -- | -- | 9.3 | -- | -- | -- | -- | -- | -- |
| 07... | 0844 | -- | -- | 9.7 | -- | -- | -- | -- | -- | -- |
| 07... | 0846 | -- | -- | 9.8 | -- | -- | -- | -- | -- | -- |
| 07... | 0848 | -- | -- | 9.8 | -- | -- | -- | -- | -- | -- |
| 07... | 0849 | -- | -- | 9.9 | -- | -- | -- | -- | -- | -- |
| 07... | 0850 | -- | -- | 9.8 | 92 | 735 | 3 | <1.0 | .7 | -- |
| 07... | 0852 | -- | -- | 2.9 | -- | -- | -- | -- | -- | -- |
| 07... | 0854 | -- | -- | 2.9 | -- | -- | -- | -- | -- | -- |
| 07... | 0856 | -- | -- | 1.8 | -- | -- | -- | -- | -- | -- |
| 07... | 0858 | -- | -- | 1.7 | -- | -- | -- | -- | -- | -- |
| 07... | 0900 | -- | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 07... | 0902 | -- | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 07... | 0904 | -- | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 07... | 0905 | -- | -- | 1.5 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 0835 | 64 | 0 | 0 | 22 | 55 | 2.1 | 1.5 | 66 | 7.0 |
| 07... | 0850 | 62 | 0 | 0 | 21 | 52 | 2.2 | 1.5 | 62 | 7.0 |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 0835 | 5.4 | .200 | .050 | <.10 | .010 | <.010 | 20 | 1 | <10 |
| 07... | 0850 | 6.4 | .200 | <.010 | <.10 | .010 | <.010 | 40 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 0831 | -- | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 07... | 0835 | 1 | 120 | 3 | 10 | <.1 | 1 | 40 | -- | -- |
| 07... | 0850 | 1 | 100 | 2 | 20 | <.1 | 1 | 20 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 25... | 1020 | 9 | 80513 | 80513 | .00 | 170 | 150 | 8.0 |
| 25... | 1022 | 9 | 80513 | 80513 | 10.0 | 170 | 150 | 8.0 |
| 25... | 1024 | 9 | 80513 | 80513 | 20.0 | 170 | 150 | 8.0 |
| 25... | 1026 | 9 | 80513 | 80513 | 30.0 | 170 | 150 | 8.0 |
| 25... | 1028 | 9 | 80513 | 80513 | 40.0 | 170 | 150 | 8.0 |
| 25... | 1030 | 9 | 80513 | 80513 | 50.0 | 170 | 150 | 8.0 |
| 25... | 1032 | 9 | 80513 | 80513 | 60.0 | 170 | 150 | 8.0 |
| 25... | 1034 | 9 | 80513 | 80513 | 70.0 | 170 | 150 | 8.0 |
| 25... | 1036 | 9 | 80513 | 80513 | 80.0 | 170 | 150 | 8.0 |
| 25... | 1038 | 9 | 80513 | 80513 | 90.0 | 170 | 150 | 8.0 |
| 25... | 1040 | 9 | 80513 | 80513 | 100 | 170 | 150 | 8.0 |
| 25... | 1042 | 9 | 80513 | 80513 | 110 | 170 | 150 | 8.0 |
| 25... | 1044 | 9 | 80513 | 80513 | 120 | 170 | 150 | 8.0 |
| 25... | 1046 | 9 | 80513 | 80513 | 130 | 170 | 150 | 8.1 |
| 25... | 1047 | 9 | 80513 | 80513 | 140 | 170 | 150 | 8.1 |
| 25... | 1048 | 9 | 80513 | 80513 | 150 | 170 | 150 | 8.1 |
| 25... | 1049 | 9 | 80513 | 80513 | 160 | 170 | 150 | 8.1 |
| 25... | 1050 | 9 | 80513 | 80513 | 170 | 170 | 155 | 8.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 25... | 1020 | 4.0 | 169 | 4.3 | 11.4 | 90 | 738 |
| 25... | 1022 | 4.0 | -- | -- | 11.3 | -- | -- |
| 25... | 1024 | 4.0 | -- | -- | 11.3 | -- | -- |
| 25... | 1026 | 4.0 | -- | -- | 11.3 | -- | -- |
| 25... | 1028 | 4.0 | -- | -- | 11.3 | -- | -- |
| 25... | 1030 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1032 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1034 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1036 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1038 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1040 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1042 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1044 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1046 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1047 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1048 | 4.0 | -- | -- | 11.2 | -- | -- |
| 25... | 1049 | 4.0 | -- | -- | 10.5 | -- | -- |
| 25... | 1050 | 4.0 | -- | -- | 9.0 | -- | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 29... | 1210 | 9 | 80513 | 80513 | .00 | 165 | 137 | 7.7 |
| 29... | 1212 | 9 | 80513 | 80513 | 10.0 | 165 | 137 | 7.7 |
| 29... | 1214 | 9 | 80513 | 80513 | 20.0 | 165 | 137 | 7.7 |
| 29... | 1216 | 9 | 80513 | 80513 | 30.0 | 165 | 137 | 7.7 |
| 29... | 1218 | 9 | 80513 | 80513 | 40.0 | 165 | 137 | 7.7 |
| 29... | 1220 | 9 | 80513 | 80513 | 50.0 | 165 | 137 | 7.7 |
| 29... | 1222 | 9 | 80513 | 80513 | 60.0 | 165 | 138 | 7.7 |
| 29... | 1224 | 9 | 80513 | 80513 | 70.0 | 165 | 138 | 7.7 |
| 29... | 1226 | 9 | 80513 | 80513 | 80.0 | 165 | 138 | 7.7 |
| 29... | 1228 | 9 | 80513 | 80513 | 90.0 | 165 | 138 | 7.7 |
| 29... | 1230 | 9 | 80513 | 80513 | 100 | 165 | 138 | 7.7 |
| 29... | 1232 | 9 | 80513 | 80513 | 110 | 165 | 138 | 7.7 |
| 29... | 1234 | 9 | 80513 | 80513 | 120 | 165 | 138 | 7.7 |
| 29... | 1236 | 9 | 80513 | 80513 | 130 | 165 | 138 | 7.7 |
| 29... | 1237 | 9 | 80513 | 80513 | 140 | 165 | 138 | 7.7 |
| 29... | 1238 | 9 | 80513 | 80513 | 150 | 165 | 138 | 7.7 |
| 29... | 1239 | 9 | 80513 | 80513 | 160 | 165 | 138 | 7.8 |
| 29... | 1240 | 9 | 80513 | 80513 | 165 | 165 | 140 | 7.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 29... | 1210 | 5.0 | 143 | 3.6 | 11.3 | 91 | 740 |
| 29... | 1212 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1214 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1216 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1218 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1220 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1222 | 5.0 | -- | -- | 11.3 | -- | -- |
| 29... | 1224 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1226 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1228 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1230 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1232 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1234 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1236 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1237 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1238 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1239 | 5.0 | -- | -- | 11.2 | -- | -- |
| 29... | 1240 | 5.0 | -- | -- | 11.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 28... | 0900 | 9 | 80513 | 80513 | .00 | 173 | 141 | 7.8 |
| 28... | 0902 | 9 | 80513 | 80513 | 10.0 | 173 | 141 | 7.8 |
| 28... | 0904 | 9 | 80513 | 80513 | 20.0 | 173 | 141 | 7.8 |
| 28... | 0906 | 9 | 80513 | 80513 | 30.0 | 173 | 141 | 7.8 |
| 28... | 0908 | 9 | 80513 | 80513 | 40.0 | 173 | 141 | 7.8 |
| 28... | 0910 | 9 | 80513 | 80513 | 50.0 | 173 | 141 | 7.8 |
| 28... | 0912 | 9 | 80513 | 80513 | 60.0 | 173 | 141 | 7.8 |
| 28... | 0914 | 9 | 80513 | 80513 | 70.0 | 173 | 141 | 7.8 |
| 28... | 0916 | 9 | 80513 | 80513 | 80.0 | 173 | 141 | 7.8 |
| 28... | 0918 | 9 | 80513 | 80513 | 90.0 | 173 | 141 | 7.8 |
| 28... | 0920 | 9 | 80513 | 80513 | 100 | 173 | 141 | 7.9 |
| 28... | 0922 | 9 | 80513 | 80513 | 110 | 173 | 141 | 7.9 |
| 28... | 0924 | 9 | 80513 | 80513 | 120 | 173 | 140 | 7.8 |
| 28... | 0926 | 9 | 80513 | 80513 | 130 | 173 | 140 | 7.8 |
| 28... | 0928 | 9 | 80513 | 80513 | 140 | 173 | 140 | 7.7 |
| 28... | 0930 | 9 | 80513 | 80513 | 150 | 173 | 140 | 7.7 |
| 28... | 0932 | 9 | 80513 | 80513 | 160 | 173 | 140 | 7.7 |
| 28... | 0934 | 9 | 80513 | 80513 | 170 | 173 | 140 | 7.7 |
| 28... | 0935 | 9 | 80513 | 80513 | 173 | 173 | 141 | 7.7 |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 28... | 0900 | 7.0 | 84.0 | 2.10 | 11.5 | 100 | 719 |
| 28... | 0902 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0904 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0906 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0908 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0910 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0912 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0914 | 7.0 | -- | -- | 11.5 | -- | -- |
| 28... | 0916 | 7.0 | -- | -- | 11.4 | -- | -- |
| 28... | 0918 | 7.0 | -- | -- | 11.4 | -- | -- |
| 28... | 0920 | 7.0 | -- | -- | 11.4 | -- | -- |
| 28... | 0922 | 7.0 | -- | -- | 11.4 | -- | -- |
| 28... | 0924 | 6.0 | -- | -- | 10.9 | -- | -- |
| 28... | 0926 | 5.5 | -- | -- | 10.7 | -- | -- |
| 28... | 0928 | 5.5 | -- | -- | 9.3 | -- | -- |
| 28... | 0930 | 5.5 | -- | -- | 9.3 | -- | -- |
| 28... | 0932 | 5.5 | -- | -- | 9.3 | -- | -- |
| 28... | 0934 | 5.5 | -- | -- | 9.5 | -- | -- |
| 28... | 0935 | 5.5 | -- | -- | 9.7 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 24... | 1220 | 9 | 80513 | 80513 | .00 | 190 | 124 | 8.3 |
| 24... | 1222 | 9 | 80513 | 80513 | 10.0 | 190 | 124 | 8.2 |
| 24... | 1224 | 9 | 80513 | 80513 | 20.0 | 190 | 124 | 8.3 |
| 24... | 1226 | 9 | 80513 | 80513 | 30.0 | 190 | 125 | 8.4 |
| 24... | 1228 | 9 | 80513 | 80513 | 40.0 | 190 | 125 | 8.4 |
| 24... | 1230 | 9 | 80513 | 80513 | 50.0 | 190 | 125 | 8.4 |
| 24... | 1232 | 9 | 80513 | 80513 | 56.0 | 190 | 124 | 8.4 |
| 24... | 1234 | 9 | 80513 | 80513 | 60.0 | 190 | 123 | 8.3 |
| 24... | 1236 | 9 | 80513 | 80513 | 70.0 | 190 | 123 | 8.3 |
| 24... | 1238 | 9 | 80513 | 80513 | 80.0 | 190 | 123 | 8.3 |
| 24... | 1240 | 9 | 80513 | 80513 | 90.0 | 190 | 123 | 8.3 |
| 24... | 1242 | 9 | 80513 | 80513 | 100 | 190 | 123 | 8.3 |
| 24... | 1244 | 9 | 80513 | 80513 | 110 | 190 | 123 | 8.2 |
| 24... | 1246 | 9 | 80513 | 80513 | 120 | 190 | 123 | 8.2 |
| 24... | 1248 | 9 | 80513 | 80513 | 130 | 190 | 123 | 8.2 |
| 24... | 1250 | 9 | 80513 | 80513 | 140 | 190 | 122 | 8.2 |
| 24... | 1252 | 9 | 80513 | 80513 | 150 | 190 | 122 | 8.1 |
| 24... | 1254 | 9 | 80513 | 80513 | 160 | 190 | 122 | 8.1 |
| 24... | 1256 | 9 | 80513 | 80513 | 170 | 190 | 122 | 8.1 |
| 24... | 1258 | 9 | 80513 | 80513 | 180 | 190 | 122 | 8.1 |
| 24... | 1300 | 9 | 80513 | 80513 | 190 | 190 | 123 | 8.0 |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 24... | 1220 | 11.5 | 235 | 6.0 | 10.3 | 99 | 729 |
| 24... | 1222 | 11.0 | -- | -- | 10.3 | -- | -- |
| 24... | 1224 | 11.0 | -- | -- | 10.4 | -- | -- |
| 24... | 1226 | 10.5 | -- | -- | 10.6 | -- | -- |
| 24... | 1228 | 10.5 | -- | -- | 10.7 | -- | -- |
| 24... | 1230 | 10.0 | -- | -- | 10.8 | -- | -- |
| 24... | 1232 | 9.0 | -- | -- | 11.1 | -- | -- |
| 24... | 1234 | 8.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1236 | 8.0 | -- | -- | 11.1 | -- | -- |
| 24... | 1238 | 7.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1240 | 7.0 | -- | -- | 11.1 | -- | -- |
| 24... | 1242 | 7.0 | -- | -- | 11.1 | -- | -- |
| 24... | 1244 | 6.5 | -- | -- | 11.0 | -- | -- |
| 24... | 1246 | 6.5 | -- | -- | 10.9 | -- | -- |
| 24... | 1248 | 6.5 | -- | -- | 10.9 | -- | -- |
| 24... | 1250 | 6.0 | -- | -- | 10.8 | -- | -- |
| 24... | 1252 | 6.0 | -- | -- | 10.5 | -- | -- |
| 24... | 1254 | 5.5 | -- | -- | 10.4 | -- | -- |
| 24... | 1256 | 5.5 | -- | -- | 10.4 | -- | -- |
| 24... | 1258 | 5.5 | -- | -- | 10.3 | -- | -- |
| 24... | 1300 | 5.5 | -- | -- | 10.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 21... | 1730 | 9 | 80513 | 80513 | .00 | 188 | 131 | 8.7 | 21.5 | 21.5 | 276 |
| 21... | 1731 | 9 | 80513 | 80010 | 3.00 | 188 | -- | -- | -- | -- | -- |
| 21... | 1732 | 9 | 80513 | 80513 | 10.0 | 188 | 132 | 8.6 | -- | 21.0 | -- |
| 21... | 1734 | 9 | 80513 | 80513 | 13.0 | 188 | 132 | 8.6 | -- | 20.0 | -- |
| 21... | 1736 | 9 | 80513 | 80513 | 15.0 | 188 | 132 | 8.6 | -- | 19.0 | -- |
| 21... | 1738 | 9 | 80513 | 80513 | 20.0 | 188 | 132 | 8.7 | -- | 18.0 | -- |
| 21... | 1740 | 9 | 80513 | 80010 | 25.0 | 188 | 131 | 8.7 | -- | 17.0 | -- |
| 21... | 1742 | 9 | 80513 | 80513 | 27.0 | 188 | 131 | 8.7 | -- | 16.0 | -- |
| 21... | 1744 | 9 | 80513 | 80513 | 30.0 | 188 | 131 | 8.7 | -- | 15.0 | -- |
| 21... | 1746 | 9 | 80513 | 80513 | 37.0 | 188 | 133 | 8.6 | -- | 14.0 | -- |
| 21... | 1748 | 9 | 80513 | 80513 | 40.0 | 188 | 133 | 8.5 | -- | 13.5 | -- |
| 21... | 1750 | 9 | 80513 | 80513 | 50.0 | 188 | 133 | 8.5 | -- | 13.0 | -- |
| 21... | 1752 | 9 | 80513 | 80513 | 60.0 | 188 | 133 | 8.4 | -- | 12.0 | -- |
| 21... | 1754 | 9 | 80513 | 80513 | 70.0 | 188 | 133 | 8.3 | -- | 11.0 | -- |
| 21... | 1756 | 9 | 80513 | 80513 | 80.0 | 188 | 132 | 8.3 | -- | 10.0 | -- |
| 21... | 1758 | 9 | 80513 | 80513 | 90.0 | 188 | 132 | 8.2 | -- | 9.0 | -- |
| 21... | 1800 | 9 | 80513 | 80010 | 100 | 188 | 132 | 8.2 | -- | 8.0 | -- |
| 21... | 1802 | 9 | 80513 | 80513 | 110 | 188 | 131 | 8.2 | -- | 7.5 | -- |
| 21... | 1804 | 9 | 80513 | 80513 | 120 | 188 | 131 | 8.1 | -- | 7.0 | -- |
| 21... | 1806 | 9 | 80513 | 80513 | 130 | 188 | 131 | 8.1 | -- | 6.5 | -- |
| 21... | 1808 | 9 | 80513 | 80513 | 140 | 188 | 131 | 8.1 | -- | 6.0 | -- |
| 21... | 1810 | 9 | 80513 | 80513 | 150 | 188 | 131 | 8.1 | -- | 6.0 | -- |
| 21... | 1812 | 9 | 80513 | 80513 | 160 | 188 | 131 | 8.0 | -- | 6.0 | -- |
| 21... | 1814 | 9 | 80513 | 80513 | 170 | 188 | 131 | 8.0 | -- | 6.0 | -- |
| 21... | 1816 | 9 | 80513 | 80513 | 180 | 188 | 131 | 8.0 | -- | 6.0 | -- |
| 21... | 1820 | 9 | 80513 | 80513 | 188 | 188 | 132 | 7.8 | -- | 5.5 | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 21... | 1730 | 7.0 | 8.6 | 102 | 729 | -- | -- | -- | 0 | -- | -- |
| 21... | 1731 | -- | -- | -- | 729 | -- | -- | -- | -- | -- | .200 |
| 21... | 1732 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1734 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1736 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1738 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1740 | -- | 9.9 | 107 | 729 | 10 | 1.0 | 1.2 | -- | 66 | -- |
| 21... | 1742 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1744 | -- | 9.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1746 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1748 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1750 | -- | 9.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1752 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1754 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1756 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1758 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1800 | -- | 9.3 | 82 | 729 | 5 | <1.0 | .7 | -- | 59 | .200 |
| 21... | 1802 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1804 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1806 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1808 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1810 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1812 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1814 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1816 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1820 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 21... | 1731 | .050 | .45 | .50 | .70 | <.010 | <.010 | -- | -- | -- |
| 21... | 1740 | -- | -- | -- | -- | -- | -- | 20 | <1 | <10 |
| 21... | 1800 | .020 | 1.7 | 1.7 | 1.9 | <.010 | <.010 | 30 | <1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 21... | 1731 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 21... | 1740 | 2 | 80 | <1 | 30 | <.1 | 3 | 20 | -- | -- |
| 21... | 1800 | 4 | 70 | <1 | 20 | <.1 | 2 | 30 | -- | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 26... | 1620 | 9 | 80513 | 80513 | .00 | 179 | 135 | 8.6 |
| 26... | 1622 | 9 | 80513 | 80513 | 10.0 | 179 | 138 | 8.4 |
| 26... | 1624 | 9 | 80513 | 80513 | 20.0 | 179 | 138 | 8.6 |
| 26... | 1626 | 9 | 80513 | 80513 | 22.0 | 179 | 139 | 8.7 |
| 26... | 1628 | 9 | 80513 | 80513 | 23.0 | 179 | 141 | 8.8 |
| 26... | 1630 | 9 | 80513 | 80513 | 24.0 | 179 | 142 | 8.9 |
| 26... | 1632 | 9 | 80513 | 80513 | 26.0 | 179 | 142 | 8.9 |
| 26... | 1634 | 9 | 80513 | 80513 | 28.0 | 179 | 143 | 8.9 |
| 26... | 1636 | 9 | 80513 | 80513 | 30.0 | 179 | 143 | 8.9 |
| 26... | 1638 | 9 | 80513 | 80513 | 32.0 | 179 | 143 | 8.7 |
| 26... | 1640 | 9 | 80513 | 80513 | 34.0 | 179 | 144 | 8.7 |
| 26... | 1642 | 9 | 80513 | 80513 | 36.0 | 179 | 144 | 8.6 |
| 26... | 1644 | 9 | 80513 | 80513 | 38.0 | 179 | 144 | 8.4 |
| 26... | 1646 | 9 | 80513 | 80513 | 40.0 | 179 | 144 | 8.3 |
| 26... | 1648 | 9 | 80513 | 80513 | 43.0 | 179 | 144 | 8.2 |
| 26... | 1650 | 9 | 80513 | 80513 | 47.0 | 179 | 143 | 8.1 |
| 26... | 1652 | 9 | 80513 | 80513 | 50.0 | 179 | 143 | 8.1 |
| 26... | 1654 | 9 | 80513 | 80513 | 60.0 | 179 | 143 | 8.0 |
| 26... | 1656 | 9 | 80513 | 80513 | 70.0 | 179 | 143 | 7.9 |
| 26... | 1658 | 9 | 80513 | 80513 | 80.0 | 179 | 143 | 7.8 |
| 26... | 1700 | 9 | 80513 | 80513 | 90.0 | 179 | 143 | 7.8 |
| 26... | 1702 | 9 | 80513 | 80513 | 100 | 179 | 142 | 7.8 |
| 26... | 1704 | 9 | 80513 | 80513 | 110 | 179 | 140 | 7.8 |
| 26... | 1706 | 9 | 80513 | 80513 | 120 | 179 | 140 | 7.7 |
| 26... | 1708 | 9 | 80513 | 80513 | 130 | 179 | 140 | 7.7 |
| 26... | 1710 | 9 | 80513 | 80513 | 140 | 179 | 140 | 7.6 |
| 26... | 1712 | 9 | 80513 | 80513 | 150 | 179 | 140 | 7.5 |
| 26... | 1714 | 9 | 80513 | 80513 | 160 | 179 | 141 | 7.5 |
| 26... | 1716 | 9 | 80513 | 80513 | 170 | 179 | 141 | 7.5 |
| 26... | 1720 | 9 | 80513 | 80513 | 179 | 179 | 142 | 7.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 26... | 1620 | 26.5 | 173 | 4.4 | 7.9 | 103 | 732 |
| 26... | 1622 | 26.5 | -- | -- | 7.8 | -- | -- |
| 26... | 1624 | 26.0 | -- | -- | 8.2 | -- | -- |
| 26... | 1626 | 25.0 | -- | -- | 8.9 | -- | -- |
| 26... | 1628 | 24.0 | -- | -- | 10.5 | -- | -- |
| 26... | 1630 | 23.0 | -- | -- | 11.2 | -- | -- |
| 26... | 1632 | 22.0 | -- | -- | 11.2 | -- | -- |
| 26... | 1634 | 21.0 | -- | -- | 11.1 | -- | -- |
| 26... | 1636 | 20.5 | -- | -- | 10.6 | -- | -- |
| 26... | 1638 | 19.5 | -- | -- | 10.4 | -- | -- |
| 26... | 1640 | 18.5 | -- | -- | 10.3 | -- | -- |
| 26... | 1642 | 17.5 | -- | -- | 10.2 | -- | -- |
| 26... | 1644 | 16.5 | -- | -- | 9.7 | -- | -- |
| 26... | 1646 | 16.0 | -- | -- | 9.4 | -- | -- |
| 26... | 1648 | 15.0 | -- | -- | 9.1 | -- | -- |
| 26... | 1650 | 14.0 | -- | -- | 8.8 | -- | -- |
| 26... | 1652 | 13.5 | -- | -- | 8.7 | -- | -- |
| 26... | 1654 | 12.5 | -- | -- | 8.4 | -- | -- |
| 26... | 1656 | 12.0 | -- | -- | 8.2 | -- | -- |
| 26... | 1658 | 11.0 | -- | -- | 8.1 | -- | -- |
| 26... | 1700 | 10.0 | -- | -- | 8.0 | -- | -- |
| 26... | 1702 | 9.0 | -- | -- | 8.1 | -- | -- |
| 26... | 1704 | 8.5 | -- | -- | 8.4 | -- | -- |
| 26... | 1706 | 8.0 | -- | -- | 8.4 | -- | -- |
| 26... | 1708 | 7.0 | -- | -- | 8.1 | -- | -- |
| 26... | 1710 | 6.5 | -- | -- | 7.6 | -- | -- |
| 26... | 1712 | 6.5 | -- | -- | 7.6 | -- | -- |
| 26... | 1714 | 6.0 | -- | -- | 7.6 | -- | -- |
| 26... | 1716 | 6.0 | -- | -- | 7.5 | -- | -- |
| 26... | 1720 | 6.0 | -- | -- | 7.5 | -- | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 17... | 1235 | 9 | 80513 | 80513 | .00 | 185 | 128 | 8.7 | 28.5 | 224 |
| 17... | 1236 | 9 | 80513 | 80010 | 3.00 | 185 | 129 | 8.7 | 28.5 | -- |
| 17... | 1238 | 9 | 80513 | 80513 | 10.0 | 185 | 132 | 8.7 | 28.0 | -- |
| 17... | 1240 | 9 | 80513 | 80513 | 20.0 | 185 | 132 | 8.7 | 27.5 | -- |
| 17... | 1242 | 9 | 80513 | 80513 | 22.0 | 185 | 131 | 8.8 | 26.5 | -- |
| 17... | 1244 | 9 | 80513 | 80513 | 24.0 | 185 | 131 | 8.8 | 25.5 | -- |
| 17... | 1246 | 9 | 80513 | 80513 | 25.0 | 185 | 130 | 8.9 | 24.5 | -- |
| 17... | 1248 | 9 | 80513 | 80513 | 26.0 | 185 | 130 | 8.9 | 23.0 | -- |
| 17... | 1250 | 9 | 80513 | 80513 | 27.0 | 185 | 129 | 9.0 | 22.0 | -- |
| 17... | 1252 | 9 | 80513 | 80513 | 28.0 | 185 | 129 | 9.0 | 21.0 | -- |
| 17... | 1254 | 9 | 80513 | 80513 | 30.0 | 185 | 129 | 8.9 | 20.0 | -- |
| 17... | 1256 | 9 | 80513 | 80513 | 32.0 | 185 | 130 | 8.8 | 19.0 | -- |
| 17... | 1258 | 9 | 80513 | 80513 | 34.0 | 185 | 131 | 8.6 | 18.0 | -- |
| 17... | 1300 | 9 | 80513 | 80513 | 37.0 | 185 | 132 | 8.4 | 17.0 | -- |
| 17... | 1302 | 9 | 80513 | 80513 | 40.0 | 185 | 132 | 8.2 | 16.0 | -- |
| 17... | 1304 | 9 | 80513 | 80513 | 43.0 | 185 | 131 | 8.1 | 15.0 | -- |
| 17... | 1306 | 9 | 80513 | 80513 | 47.0 | 185 | 131 | 8.0 | 14.0 | -- |
| 17... | 1308 | 9 | 80513 | 80513 | 50.0 | 185 | 131 | 8.0 | 13.5 | -- |
| 17... | 1310 | 9 | 80513 | 80513 | 60.0 | 185 | 130 | 7.9 | 12.5 | -- |
| 17... | 1312 | 9 | 80513 | 80513 | 70.0 | 185 | 130 | 7.9 | 11.5 | -- |
| 17... | 1314 | 9 | 80513 | 80513 | 80.0 | 185 | 130 | 7.8 | 10.5 | -- |
| 17... | 1316 | 9 | 80513 | 80513 | 90.0 | 185 | 130 | 7.8 | 9.5 | -- |
| 17... | 1318 | 9 | 80513 | 80513 | 100 | 185 | 130 | 7.8 | 9.0 | -- |
| 17... | 1320 | 9 | 80513 | 80513 | 110 | 185 | 128 | 7.7 | 8.0 | -- |
| 17... | 1322 | 9 | 80513 | 80513 | 120 | 185 | 128 | 7.7 | 7.5 | -- |
| 17... | 1324 | 9 | 80513 | 80513 | 130 | 185 | 128 | 7.7 | 7.0 | -- |
| 17... | 1326 | 9 | 80513 | 80513 | 140 | 185 | 128 | 7.7 | 6.5 | -- |
| 17... | 1328 | 9 | 80513 | 80513 | 150 | 185 | 128 | 7.6 | 6.5 | -- |
| 17... | 1330 | 9 | 80513 | 80513 | 160 | 185 | 128 | 7.6 | 6.0 | -- |
| 17... | 1332 | 9 | 80513 | 80513 | 170 | 185 | 128 | 7.6 | 6.0 | -- |
| 17... | 1334 | 9 | 80513 | 80513 | 180 | 185 | 129 | 7.6 | 6.0 | -- |
| 17... | 1335 | 9 | 80513 | 80513 | 185 | 185 | 130 | 7.6 | 6.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 17... | 1235 | 5.7 | 7.2 | 97 | 733 | -- | -- | -- | -- |
| 17... | 1236 | -- | 7.2 | 97 | 733 | <.010 | <.010 | .600 | <.100 |
| 17... | 1238 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 17... | 1240 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1242 | -- | 7.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1244 | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 17... | 1246 | -- | 8.7 | -- | -- | -- | -- | -- | -- |
| 17... | 1248 | -- | 9.9 | -- | -- | -- | -- | -- | -- |
| 17... | 1250 | -- | 10.4 | -- | -- | -- | -- | -- | -- |
| 17... | 1252 | -- | 10.4 | -- | -- | -- | -- | -- | -- |
| 17... | 1254 | -- | 10.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1256 | -- | 9.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1258 | -- | 9.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1300 | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1302 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 17... | 1304 | -- | 7.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1306 | -- | 7.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1308 | -- | 7.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1310 | -- | 7.4 | -- | -- | -- | -- | -- | -- |
| 17... | 1312 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1314 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 17... | 1316 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 17... | 1318 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 17... | 1320 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1322 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1324 | -- | 7.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1326 | -- | 6.9 | -- | -- | -- | -- | -- | -- |
| 17... | 1328 | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 17... | 1330 | -- | 6.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1332 | -- | 6.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1334 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1335 | -- | 5.8 | -- | -- | -- | -- | -- | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 14... | 0900 | 9 | 80513 | 80513 | .00 | 188 | 140 | 9.0 | 24.0 | 26.5 |
| 14... | 0901 | 9 | 80513 | 80010 | 3.00 | 188 | -- | -- | -- | -- |
| 14... | 0902 | 9 | 80513 | 80513 | 10.0 | 188 | 140 | 8.9 | -- | 26.5 |
| 14... | 0904 | 9 | 80513 | 80513 | 20.0 | 188 | 140 | 8.9 | -- | 26.5 |
| 14... | 0905 | 9 | 80513 | 80010 | 25.0 | 188 | 140 | 8.4 | -- | 26.5 |
| 14... | 0908 | 9 | 80513 | 80513 | 26.0 | 188 | 139 | 8.9 | -- | 25.0 |
| 14... | 0910 | 9 | 80513 | 80513 | 27.0 | 188 | 138 | 8.8 | -- | 23.5 |
| 14... | 0912 | 9 | 80513 | 80513 | 28.0 | 189 | 139 | 8.8 | -- | 22.5 |
| 14... | 0914 | 9 | 80513 | 80513 | 30.0 | 188 | 138 | 8.7 | -- | 21.5 |
| 14... | 0916 | 9 | 80513 | 80513 | 32.0 | 188 | 138 | 8.5 | -- | 20.5 |
| 14... | 0918 | 9 | 80513 | 80513 | 34.0 | 188 | 139 | 8.3 | -- | 19.5 |
| 14... | 0920 | 9 | 80513 | 80513 | 36.0 | 188 | 139 | 8.2 | -- | 18.5 |
| 14... | 0922 | 9 | 80513 | 80513 | 38.0 | 188 | 138 | 8.1 | -- | 17.5 |
| 14... | 0924 | 9 | 80513 | 80513 | 40.0 | 188 | 138 | 8.0 | -- | 16.5 |
| 14... | 0926 | 9 | 80513 | 80513 | 43.0 | 188 | 138 | 8.0 | -- | 15.5 |
| 14... | 0928 | 9 | 80513 | 80513 | 47.0 | 188 | 138 | 7.9 | -- | 14.5 |
| 14... | 0930 | 9 | 80513 | 80513 | 50.0 | 188 | 138 | 7.9 | -- | 14.0 |
| 14... | 0932 | 9 | 80513 | 80513 | 60.0 | 188 | 138 | 7.8 | -- | 13.0 |
| 14... | 0934 | 9 | 80513 | 80513 | 70.0 | 188 | 138 | 7.8 | -- | 12.0 |
| 14... | 0936 | 9 | 80513 | 80513 | 80.0 | 188 | 138 | 7.7 | -- | 11.5 |
| 14... | 0938 | 9 | 80513 | 80513 | 90.0 | 188 | 137 | 7.7 | -- | 10.5 |
| 14... | 0940 | 9 | 80513 | 80010 | 100 | 188 | 136 | 7.7 | -- | 9.5 |
| 14... | 0942 | 9 | 80513 | 80513 | 110 | 188 | 135 | 7.6 | -- | 9.0 |
| 14... | 0944 | 9 | 80513 | 80513 | 120 | 188 | 135 | 7.6 | -- | 8.0 |
| 14... | 0946 | 9 | 80513 | 80513 | 130 | 188 | 135 | 7.6 | -- | 7.5 |
| 14... | 0948 | 9 | 80513 | 80513 | 140 | 188 | 135 | 7.6 | -- | 7.5 |
| 14... | 0950 | 9 | 80513 | 80513 | 150 | 188 | 135 | 7.5 | -- | 7.0 |
| 14... | 0952 | 9 | 80513 | 80513 | 160 | 188 | 136 | 7.5 | -- | 7.0 |
| 14... | 0954 | 9 | 80513 | 80513 | 170 | 188 | 137 | 7.5 | -- | 7.0 |
| 14... | 0956 | 9 | 80513 | 80513 | 180 | 188 | 139 | 7.5 | -- | 7.0 |
| 14... | 1000 | 9 | 80513 | 80513 | 188 | 188 | 140 | 7.5 | -- | 7.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 14... | 0900 | 240 | 6.1 | 8.1 | 104 | 737 | -- | -- | -- | 0 |
| 14... | 0901 | -- | -- | -- | -- | 737 | -- | -- | -- | -- |
| 14... | 0902 | -- | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 14... | 0904 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 14... | 0905 | -- | -- | 8.5 | 110 | 737 | 2 | .20 | 1.1 | -- |
| 14... | 0908 | -- | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 14... | 0910 | -- | -- | 9.2 | -- | -- | -- | -- | -- | -- |
| 14... | 0912 | -- | -- | 9.3 | -- | -- | -- | -- | -- | -- |
| 14... | 0914 | -- | -- | 9.2 | -- | -- | -- | -- | -- | -- |
| 14... | 0916 | -- | -- | 8.3 | -- | -- | -- | -- | -- | -- |
| 14... | 0918 | -- | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 14... | 0920 | -- | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 14... | 0922 | -- | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 14... | 0924 | -- | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 14... | 0926 | -- | -- | 6.9 | -- | -- | -- | -- | -- | -- |
| 14... | 0928 | -- | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 14... | 0930 | -- | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 14... | 0932 | -- | -- | 6.3 | -- | -- | -- | -- | -- | -- |
| 14... | 0934 | -- | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 14... | 0936 | -- | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 14... | 0938 | -- | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 14... | 0940 | -- | -- | 6.0 | 54 | 737 | 2 | 1.0 | 1.1 | -- |
| 14... | 0942 | -- | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 14... | 0944 | -- | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 14... | 0946 | -- | -- | 5.5 | -- | -- | -- | -- | -- | -- |
| 14... | 0948 | -- | -- | 5.4 | -- | -- | -- | -- | -- | -- |
| 14... | 0950 | -- | -- | 5.0 | -- | -- | -- | -- | -- | -- |
| 14... | 0952 | -- | -- | 4.7 | -- | -- | -- | -- | -- | -- |
| 14... | 0954 | -- | -- | 4.2 | -- | -- | -- | -- | -- | -- |
| 14... | 0956 | -- | -- | 3.7 | -- | -- | -- | -- | -- | -- |
| 14... | 1000 | -- | -- | 3.6 | -- | -- | -- | -- | -- | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 14... | 0905 | 46 | <.100 | <.010 | <.010 | 30 | <1 | 10 | 1 |
| 14... | 0940 | 54 | .300 | <.010 | .010 | 10 | <1 | <10 | 2 |

| 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) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 14... | 0901 | -- | -- | -- | -- | -- | -- | 1.00 | <.100 |
| 14... | 0905 | 210 | 6 | 20 | <.1 | <1 | 10 | -- | -- |
| 14... | 0940 | 230 | 5 | 10 | .2 | 7 | 10 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 18... | 1430 | 9 | 80513 | 80513 | .00 | 188 | 136 | 8.6 | 23.5 | 224 |
| 18... | 1431 | 9 | 80513 | 80010 | 3.00 | 188 | 136 | 8.6 | 23.5 | -- |
| 18... | 1432 | 9 | 80513 | 80513 | 10.0 | 188 | 135 | 8.6 | 23.0 | -- |
| 18... | 1434 | 9 | 80513 | 80513 | 20.0 | 188 | 135 | 8.8 | 23.0 | -- |
| 18... | 1436 | 9 | 80513 | 80513 | 30.0 | 188 | 135 | 8.8 | 23.0 | -- |
| 18... | 1438 | 9 | 80513 | 80513 | 34.0 | 188 | 134 | 8.3 | 22.0 | -- |
| 18... | 1440 | 9 | 80513 | 80513 | 35.0 | 188 | 133 | 8.1 | 20.5 | -- |
| 18... | 1442 | 9 | 80513 | 80513 | 36.0 | 188 | 133 | 8.0 | 19.5 | -- |
| 18... | 1444 | 9 | 80513 | 80513 | 37.0 | 188 | 132 | 8.0 | 18.5 | -- |
| 18... | 1446 | 9 | 80513 | 80513 | 40.0 | 188 | 132 | 7.9 | 17.5 | -- |
| 18... | 1448 | 9 | 80513 | 80513 | 42.0 | 188 | 132 | 7.9 | 16.5 | -- |
| 18... | 1450 | 9 | 80513 | 80513 | 45.0 | 188 | 132 | 7.8 | 15.5 | -- |
| 18... | 1452 | 9 | 80513 | 80513 | 50.0 | 188 | 132 | 7.8 | 14.5 | -- |
| 18... | 1454 | 9 | 80513 | 80513 | 55.0 | 188 | 132 | 7.8 | 13.5 | -- |
| 18... | 1456 | 9 | 80513 | 80513 | 60.0 | 188 | 132 | 7.7 | 13.0 | -- |
| 18... | 1458 | 9 | 80513 | 80513 | 70.0 | 188 | 132 | 7.7 | 12.0 | -- |
| 18... | 1500 | 9 | 80513 | 80513 | 80.0 | 188 | 131 | 7.7 | 11.5 | -- |
| 18... | 1502 | 9 | 80513 | 80513 | 90.0 | 188 | 131 | 7.7 | 10.5 | -- |
| 18... | 1504 | 9 | 80513 | 80513 | 100 | 188 | 130 | 7.7 | 10.0 | -- |
| 18... | 1506 | 9 | 80513 | 80513 | 110 | 188 | 130 | 7.7 | 9.5 | -- |
| 18... | 1508 | 9 | 80513 | 80513 | 120 | 188 | 130 | 7.6 | 8.5 | -- |
| 18... | 1510 | 9 | 80513 | 80513 | 130 | 188 | 130 | 7.6 | 8.0 | -- |
| 18... | 1512 | 9 | 80513 | 80513 | 140 | 188 | 130 | 7.6 | 7.5 | -- |
| 18... | 1514 | 9 | 80513 | 80513 | 150 | 188 | 131 | 7.6 | 7.0 | -- |
| 18... | 1516 | 9 | 80513 | 80513 | 160 | 188 | 132 | 7.6 | 7.0 | -- |
| 18... | 1518 | 9 | 80513 | 80513 | 170 | 188 | 134 | 7.6 | 7.0 | -- |
| 18... | 1519 | 9 | 80513 | 80513 | 180 | 188 | 136 | 7.5 | 7.0 | -- |
| 18... | 1520 | 9 | 80513 | 80513 | 188 | 188 | 143 | 7.5 | 7.0 | -- |

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 18... | 1430 | 5.7 | 7.5 | 91 | 740 | -- | -- | -- | -- |
| 18... | 1431 | -- | 7.5 | 91 | 740 | <.010 | <.010 | .300 | <.100 |
| 18... | 1432 | -- | 7.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1434 | -- | 7.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1436 | -- | 7.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1438 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1440 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 18... | 1442 | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1444 | -- | 5.7 | -- | -- | -- | -- | -- | -- |
| 18... | 1446 | -- | 5.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1448 | -- | 5.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1450 | -- | 5.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1452 | -- | 5.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1454 | -- | 4.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1456 | -- | 4.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1458 | -- | 4.1 | -- | -- | -- | -- | -- | -- |
| 18... | 1500 | -- | 4.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1502 | -- | 4.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1504 | -- | 4.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1506 | -- | 4.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1508 | -- | 4.0 | -- | -- | -- | -- | -- | -- |
| 18... | 1510 | -- | 3.7 | -- | -- | -- | -- | -- | -- |
| 18... | 1512 | -- | 3.4 | -- | -- | -- | -- | -- | -- |
| 18... | 1514 | -- | 2.7 | -- | -- | -- | -- | -- | -- |
| 18... | 1516 | -- | 2.2 | -- | -- | -- | -- | -- | -- |
| 18... | 1518 | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1519 | -- | 1.2 | -- | -- | -- | -- | -- | -- |
| 18... | 1520 | -- | .3 | -- | -- | -- | -- | -- | -- |

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1050 | 9 | 80513 | 80513 | 2330 | 128 | 7.4 | 11.0 | 2.7 |
| NOV 14... | 1125 | 9 | 80513 | 80513 | 20 | 138 | 7.7 | 10.0 | 8.0 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 07... | 0800 | 9 | 80513 | 80010 | 1120 | 135 | 6.7 | 3.0 | 9.0 | 6.3 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 07... | 0800 | 56 | 740 | 5 | 3.4 | 1.8 | 75 | 64 | 5 | 5 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 07... | 0800 | 22 | 55 | 2.1 | 1.6 | 59 | 7.0 | 7.4 | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 07... | 0800 | .050 | 3.2 | 3.2 | 3.5 | .010 | <.010 | 90 | 1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 07... | 0800 | 10 | 1 | 240 | 4 | 330 | <.1 | 2 | 20 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 25... | 1000 | 9 | 80513 | 80513 | 20 | 150 | 8.2 | 3.5 | 12.8 |
| FEB 29... | 1140 | 9 | 80513 | 80513 | 440 | 143 | 7.6 | 6.0 | 12.1 |
| MAR 28... | 0840 | 9 | 80513 | 80513 | 4650 | 142 | 7.6 | 6.5 | 11.4 |
| APR 24... | 1200 | 9 | 80513 | 80513 | 230 | 121 | 8.0 | 8.5 | 10.9 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 21... | 1830 | 9 | 80513 | 80010 | 3950 | 132 | 8.1 | 20.0 | 8.0 | 9.0 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 21... | 1830 | 79 | 730 | 5 | 1.0 | 1.1 | 8 | 69 | 1.50 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 21... | 1830 | .060 | .24 | .30 | 1.8 | <.010 | <.010 | 40 | <1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 21... | 1830 | 10 | 2 | 100 | <1 | 10 | <.1 | 3 | 20 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 26... | 1600 | 9 | 80513 | 80513 | 2230 | 136 | 7.5 | 10.5 | 8.0 |
| JUL 17... | 1200 | 9 | 80513 | 80513 | 1090 | 126 | 7.8 | 10.5 | 8.8 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 14... | 0820 | 9 | 80513 | 80010 | 870 | 157 | 7.2 | 16.5 | 9.5 | 9.0 | 81 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 14... | 0820 | 742 | 1 | .40 | 1.2 | 0 | 72 | .200 | <.010 | .010 | 30 |

| 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) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 14... | 0820 | <1 | 10 | 2 | 250 | 6 | 20 | .1 | 2 | 20 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 18... | 1400 | 9 | 80513 | 80513 | 1100 | 130 | 7.6 | 10.5 | 5.0 |

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, AR

LOCATION.--Lat 36°20'56", long 93°35'24", in SE 1/4 SW 1/4 sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville, Ark.

PERIOD OF RECORD.--November 1983 to September 1984

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 21... | 1035 | 9 | 9827 | 9827 | 7.9 | 22.0 | 11.0 | 6.0 | 9.4 | 9 | 1.7 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1120 | 9 | 9827 | 9827 | 7.9 | 7.0 | 1.0 | 2.0 | 13.9 | 2 | 1.2 |
| FEB | | | | | | | | | | | |
| 07... | 1036 | 9 | 9827 | 9827 | 7.9 | 18.0 | 2.0 | 1.0 | 13.3 | 5 | 1.2 |
| MAR | | | | | | | | | | | |
| 06... | 1035 | 9 | 9827 | 9827 | 7.5 | 15.0 | 7.0 | 25 | 11.1 | 16 | 3.1 |
| 20... | 1020 | 9 | 9827 | 9827 | 7.8 | 14.0 | 7.0 | 20 | 11.1 | <1 | 1.2 |
| APR | | | | | | | | | | | |
| 17... | 1030 | 9 | 9827 | 9827 | 8.0 | 18.0 | 12.0 | 3.0 | 11.7 | 5 | .7 |
| MAY | | | | | | | | | | | |
| 15... | 1340 | 9 | 9827 | 9827 | 8.0 | 22.0 | 18.0 | 4.0 | 10.5 | 5 | 1.3 |
| JUN | | | | | | | | | | | |
| 12... | 1100 | 9 | 9827 | 9827 | 7.7 | 33.0 | 25.0 | 5.0 | 6.5 | 5 | .9 |
| JUL | | | | | | | | | | | |
| 24... | 0850 | 9 | 9827 | 9827 | 7.8 | 24.0 | 24.0 | 6.4 | 5.6 | 5 | .8 |
| AUG | | | | | | | | | | | |
| 21... | 0900 | 9 | 9827 | 9827 | 7.8 | 29.0 | 25.0 | 7.0 | 6.2 | 8 | 3.0 |
| SEP | | | | | | | | | | | |
| 18... | 0920 | 9 | 9827 | 9827 | 7.9 | 21.0 | 18.0 | 7.0 | 6.8 | 10 | 2.2 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1035 | 450 | 11 | 8.0 | 207 | .28 | 6 | 1.3 | <.010 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1120 | 8 | 10 | 7.5 | 165 | .22 | 2 | .84 | <.010 | -- |
| FEB | | | | | | | | | | |
| 07... | 1036 | <4 | 12 | 7.0 | 172 | .23 | 3 | .57 | <.010 | -- |
| MAR | | | | | | | | | | |
| 06... | 1035 | 210 | 6.0 | 3.5 | 111 | .15 | 18 | 1.2 | .060 | .64 |
| 20... | 1020 | 580 | 6.0 | 3.0 | 101 | .14 | 8 | .81 | .060 | .04 |
| APR | | | | | | | | | | |
| 17... | 1030 | <10 | 5.0 | 4.0 | 125 | .17 | 4 | .73 | .030 | -- |
| MAY | | | | | | | | | | |
| 15... | 1340 | 310 | 11 | 2.0 | 126 | .17 | 4 | .32 | <.010 | -- |
| JUN | | | | | | | | | | |
| 12... | 1100 | 76 | 6.0 | 9.5 | 152 | .21 | 11 | .42 | .050 | .05 |
| JUL | | | | | | | | | | |
| 24... | 0850 | 200 | 8.0 | 6.0 | 180 | .24 | 12 | .30 | .040 | -- |
| AUG | | | | | | | | | | |
| 21... | 0900 | 64 | 5.0 | 6.0 | 174 | .24 | 17 | .12 | .060 | -- |
| SEP | | | | | | | | | | |
| 18... | 0920 | 48 | 5.0 | 4.5 | 202 | .27 | 10 | .37 | .010 | .09 |

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1035 | .20 | 1.5 | 6.6 | .030 | .010 | 0 | <1 | 12 | 6 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1120 | <.10 | -- | -- | .020 | .020 | 0 | <1 | 17 | 13 |
| FEB | | | | | | | | | | |
| 07... | 1036 | .50 | 1.1 | 4.7 | .010 | .020 | 0 | <1 | 20 | 9 |
| MAR | | | | | | | | | | |
| 06... | 1035 | .70 | 1.9 | 8.4 | .120 | -- | 0 | <1 | <10 | 13 |
| 20... | 1020 | .10 | .91 | 4.0 | -- | .030 | -- | <1 | <10 | 8 |
| APR | | | | | | | | | | |
| 17... | 1030 | -- | -- | -- | .030 | .010 | -- | <1 | 13 | 6 |
| MAY | | | | | | | | | | |
| 15... | 1340 | .10 | .42 | 1.9 | .030 | <.010 | 0 | <1 | 18 | 15 |
| JUN | | | | | | | | | | |
| 12... | 1100 | .10 | .52 | 2.3 | -- | .020 | -- | <1 | 10 | 5 |
| JUL | | | | | | | | | | |
| 24... | 0850 | <.10 | -- | -- | .060 | .020 | 0 | <1 | -- | 10 |
| AUG | | | | | | | | | | |
| 21... | 0900 | -- | -- | -- | .060 | .010 | 0 | <1 | 13 | 5 |
| SEP | | | | | | | | | | |
| 18... | 0920 | .10 | .47 | 2.1 | .050 | .010 | -- | 1 | <10 | <1 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1035 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1120 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 1036 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 1035 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 1020 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 1030 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 1100 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 0850 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 0900 | 30 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | |
| 18... | 0920 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |

07050420 OSAGE CREEK WEST OF BERRYVILLE, AR

LOCATION.--Lat 36°21'50", long 93°36'26", in SE 1/4 SW 1/4 sec.26, T.20 W., 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 21... | 1100 | 9 | 9827 | 9827 | 7.9 | 18.0 | 11.0 | 6.0 | 9.1 | 13 | 2.2 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1145 | 9 | 9827 | 9827 | 7.8 | 7.0 | 1.0 | 1.8 | 13.1 | 7 | 2.9 |
| FEB | | | | | | | | | | | |
| 07... | 1100 | 9 | 9827 | 9827 | 7.7 | 12.0 | 2.0 | 2.0 | 11.9 | 9 | 4.3 |
| MAR | | | | | | | | | | | |
| 06... | 1110 | 9 | 9827 | 9827 | 7.5 | 9.0 | 7.0 | 25 | 11.1 | 15 | 4.2 |
| 20... | 1030 | 9 | 9827 | 9827 | 7.7 | 12.0 | 8.0 | 15 | 10.8 | <1 | 1.6 |
| APR | | | | | | | | | | | |
| 17... | 1050 | 9 | 9827 | 9827 | 7.9 | 17.0 | 12.0 | 3.0 | 10.9 | 5 | 1.8 |
| MAY | | | | | | | | | | | |
| 15... | 1400 | 9 | 9827 | 9827 | 7.9 | 20.0 | 19.0 | 4.0 | 10.1 | 8 | 3.0 |
| JUN | | | | | | | | | | | |
| 12... | 1120 | 9 | 9827 | 9827 | 7.6 | 30.0 | 25.0 | 3.3 | 6.0 | 4 | 3.9 |
| JUL | | | | | | | | | | | |
| 24... | 0915 | 9 | 9827 | 9827 | 7.6 | 24.0 | 25.0 | 4.0 | 5.1 | <1 | -- |
| AUG | | | | | | | | | | | |
| 21... | 0925 | 9 | 9827 | 9827 | 7.6 | 27.0 | 25.0 | 4.0 | 5.0 | 24 | -- |
| SEP | | | | | | | | | | | |
| 18... | 0940 | 9 | 9827 | 9827 | 7.7 | 18.0 | 18.0 | 4.0 | 4.7 | 22 | 3.6 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1100 | 340 | 13 | 11 | 215 | .29 | 6 | 1.5 | .020 | .38 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1145 | 240 | 15 | 12 | 182 | .25 | 2 | 1.0 | .860 | -.66 |
| FEB | | | | | | | | | | |
| 07... | 1100 | 1400 | 20 | 12 | 196 | .27 | 2 | .73 | 1.10 | .60 |
| MAR | | | | | | | | | | |
| 06... | 1110 | 670 | 6.0 | 4.0 | 117 | .16 | 32 | 1.4 | .080 | .72 |
| 20... | 1030 | >240 | 6.0 | 4.0 | 112 | .15 | 10 | 1.0 | .110 | .09 |
| APR | | | | | | | | | | |
| 17... | 1050 | 8 | 6.0 | 4.5 | 135 | .18 | 3 | .90 | .130 | -- |
| MAY | | | | | | | | | | |
| 15... | 1400 | 720 | 15 | 5.0 | 143 | .19 | 5 | .50 | .510 | .09 |
| JUN | | | | | | | | | | |
| 12... | 1120 | 48 | 12 | 8.0 | 154 | .21 | 11 | .87 | .520 | -.42 |
| JUL | | | | | | | | | | |
| 24... | 0915 | >600 | 29 | 16 | 220 | .30 | 10 | 2.0 | 1.90 | -1.8 |
| AUG | | | | | | | | | | |
| 21... | 0925 | 44 | 40 | 20 | 243 | .33 | 9 | 2.3 | 1.80 | -- |
| SEP | | | | | | | | | | |
| 18... | 0940 | 88 | 47 | 34 | 307 | .42 | 10 | 2.3 | 1.75 | -.95 |

07050420 OSAGE CREEK WEST OF BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1100 | .40 | 1.9 | 8.4 | .100 | .060 | 0 | <1 | <10 | 3 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1145 | .20 | 1.2 | 5.3 | .380 | .340 | 0 | <1 | <10 | <1 |
| FEB | | | | | | | | | | |
| 07... | 1100 | 1.7 | 2.4 | 11 | .650 | .620 | 0 | <1 | <10 | <1 |
| MAR | | | | | | | | | | |
| 06... | 1110 | .80 | 2.2 | 9.7 | .130 | -- | 0 | <1 | <10 | 1 |
| 20... | 1030 | .20 | 1.2 | 5.3 | -- | .040 | -- | <1 | <10 | <1 |
| APR | | | | | | | | | | |
| 17... | 1050 | -- | -- | -- | .060 | .040 | -- | <1 | <10 | <1 |
| MAY | | | | | | | | | | |
| 15... | 1400 | .60 | 1.1 | 4.9 | .160 | .070 | 0 | <1 | <10 | <1 |
| JUN | | | | | | | | | | |
| 12... | 1120 | .10 | .97 | 4.3 | -- | .200 | -- | <1 | <10 | <1 |
| JUL | | | | | | | | | | |
| 24... | 0915 | .10 | 2.1 | 9.3 | .810 | .670 | 0 | <1 | -- | 1 |
| AUG | | | | | | | | | | |
| 21... | 0925 | -- | -- | -- | .790 | .650 | 1 | 1 | <10 | <1 |
| SEP | | | | | | | | | | |
| 18... | 0940 | .80 | 3.1 | 14 | 1.35 | 1.20 | -- | 1 | <10 | <1 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1100 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1145 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 1100 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 1110 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 1030 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 1050 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 1120 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 0915 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 0925 | 0 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | |
| 18... | 0940 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |

07050500 KINGS RIVER NEAR BERRYVILLE, AR

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

DRAINAGE AREA.--527 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1620 | 9 | 9827 | 9827 | 13 | 8.2 | 22.5 | 20.0 | 4.0 | 9.6 | 11 |
| NOV | | | | | | | | | | | |
| 21... | 1000 | 9 | 9827 | 9827 | 310 | 7.8 | 24.0 | 11.0 | 4.0 | 10.0 | 9 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1030 | 9 | 9827 | 9827 | 103 | 7.9 | 7.0 | 1.0 | 1.0 | 14.5 | 1 |
| FEB | | | | | | | | | | | |
| 07... | 0950 | 9 | 9827 | 9827 | 90 | 8.0 | 13.0 | 2.0 | 1.0 | 14.8 | 3 |
| MAR | | | | | | | | | | | |
| 06... | 1000 | 9 | 9827 | 9827 | 3600 | 7.5 | 14.0 | 7.0 | 30 | 11.1 | 12 |
| 20... | 0945 | 9 | 9827 | 9827 | 2350 | 7.7 | 7.0 | 8.0 | 15 | 10.9 | 3 |
| APR | | | | | | | | | | | |
| 17... | 0950 | 9 | 9827 | 9827 | 630 | 7.9 | 22.0 | 12.0 | 2.0 | 11.1 | 1 |
| MAY | | | | | | | | | | | |
| 15... | 1300 | 9 | 9827 | 9827 | 490 | 7.9 | 22.0 | 18.0 | 2.0 | 9.6 | 4 |
| JUN | | | | | | | | | | | |
| 12... | 1015 | 9 | 9827 | 9827 | 136 | 7.8 | 37.0 | 26.0 | 2.3 | 8.0 | 5 |
| JUL | | | | | | | | | | | |
| 24... | 0815 | 9 | 9827 | 9827 | 33 | 7.8 | 27.0 | 25.0 | 3.4 | 6.9 | 5 |
| AUG | | | | | | | | | | | |
| 21... | 0825 | 9 | 9827 | 9827 | 15 | 8.2 | 27.0 | 25.0 | 5.0 | 6.2 | 9 |
| SEP | | | | | | | | | | | |
| 18... | 0840 | 9 | 9827 | 9827 | 9.0 | 7.9 | 14.0 | 19.0 | 5.0 | 7.7 | 8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1620 | 2.7 | 28 | 19 | 14 | 197 | .27 | 8 | .13 | .020 | -- |
| NOV | | | | | | | | | | | |
| 21... | 1000 | 2.1 | 750 | 8.0 | 5.0 | 179 | .24 | 4 | .49 | <.010 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1030 | .9 | <4 | 10 | 7.5 | 177 | .24 | 1 | 1.0 | .020 | -- |
| FEB | | | | | | | | | | | |
| 07... | 0950 | 1.6 | <4 | 11 | 6.0 | 160 | .22 | 2 | .57 | .040 | 3.7 |
| MAR | | | | | | | | | | | |
| 06... | 1000 | 2.9 | 280 | 6.0 | 3.0 | 104 | .14 | 38 | 1.1 | .070 | .63 |
| 20... | 0945 | 1.4 | 500 | 6.0 | 3.0 | 104 | .14 | 15 | .64 | .060 | .24 |
| APR | | | | | | | | | | | |
| 17... | 0950 | .5 | 70 | 5.0 | 3.0 | 124 | .17 | 3 | .62 | .040 | -- |
| MAY | | | | | | | | | | | |
| 15... | 1300 | 1.3 | 180 | 15 | 2.5 | 123 | .17 | 3 | .34 | <.010 | -- |
| JUN | | | | | | | | | | | |
| 12... | 1015 | 3.4 | 4 | 7.0 | 3.5 | 128 | .17 | -- | .30 | .050 | .05 |
| JUL | | | | | | | | | | | |
| 24... | 0815 | 1.8 | 20 | 11 | 5.0 | 152 | .21 | 8 | .16 | .010 | -- |
| AUG | | | | | | | | | | | |
| 21... | 0825 | 3.6 | 28 | 19 | 9.5 | 181 | .25 | 8 | .13 | .020 | -- |
| SEP | | | | | | | | | | | |
| 18... | 0840 | 1.4 | 60 | 23 | 13 | 210 | .29 | 7 | .07 | .020 | .08 |

WHITE RIVER BASIN

07050500 KINGS RIVER NEAR BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT , 1983 | | | | | | | | | | | |
| 11... | 1620 | <.10 | -- | -- | .150 | .100 | -- | 0 | <1 | 10 | <1 |
| NOV | | | | | | | | | | | |
| 21... | 1000 | <.10 | -- | -- | .070 | .020 | <5 | 0 | <1 | <10 | 3 |
| JAN , 1984 | | | | | | | | | | | |
| 24... | 1030 | -- | -- | -- | .070 | .080 | -- | 0 | <1 | <10 | <1 |
| FEB | | | | | | | | | | | |
| 07... | 0950 | 3.7 | 4.3 | 19 | .120 | .120 | <5 | 0 | <1 | <10 | <1 |
| MAR | | | | | | | | | | | |
| 06... | 1000 | .70 | 1.8 | 8.0 | .100 | -- | -- | 0 | 1 | <10 | 1 |
| 20... | 0945 | .30 | .94 | 4.2 | -- | .010 | -- | -- | <1 | <10 | <1 |
| APR | | | | | | | | | | | |
| 17... | 0950 | -- | -- | -- | .040 | .010 | <5 | -- | 1 | <10 | <1 |
| MAY | | | | | | | | | | | |
| 15... | 1300 | .10 | .44 | 1.9 | .040 | <.010 | -- | 0 | <1 | <10 | <1 |
| JUN | | | | | | | | | | | |
| 12... | 1015 | .10 | .40 | 1.8 | -- | .030 | -- | -- | <1 | <10 | <1 |
| JUL | | | | | | | | | | | |
| 24... | 0815 | <.10 | -- | -- | .080 | .050 | -- | 0 | <1 | -- | <1 |
| AUG | | | | | | | | | | | |
| 21... | 0825 | -- | -- | -- | .130 | .080 | <5 | 0 | 4 | <10 | <1 |
| SEP | | | | | | | | | | | |
| 18... | 0840 | .10 | .17 | .75 | .090 | .060 | -- | -- | 3 | <10 | <1 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1620 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 21... | 1000 | <5 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 14... | 1515 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1030 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 07... | 0950 | <5 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | | |
| 06... | 1000 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 0945 | -- | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 17... | 0950 | <5 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 10... | 1615 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1300 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 12... | 1015 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 24... | 0815 | -- | 10 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| AUG | | | | | | | | | | | |
| 21... | 0825 | <5 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |

07053230 LONG CREEK NEAR DENVER, AR

LOCATION.--Lat 36°25'46", long 93°18'22", in Se 1/4 SW 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1200 | 9 | 9827 | 9827 | 7.9 | 19.0 | 12.0 | 2.0 | 11.1 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1250 | 9 | 9827 | 9827 | 8.1 | 7.0 | 7.0 | 1.2 | 14.8 |
| FEB | | | | | | | | | |
| 07... | 1156 | 9 | 9827 | 9827 | 8.0 | 14.0 | 5.0 | 1.0 | 14.1 |
| MAR | | | | | | | | | |
| 06... | 1215 | 9 | 9827 | 9827 | 7.5 | 11.0 | 10.0 | 25 | 10.7 |
| 20... | 1145 | 9 | 9827 | 9827 | 7.7 | 15.0 | 10.0 | 20 | 10.8 |
| APR | | | | | | | | | |
| 17... | 1200 | 9 | 9827 | 9827 | 8.1 | 16.0 | 8.0 | 2.0 | 12.5 |
| MAY | | | | | | | | | |
| 15... | 1450 | 9 | 9827 | 9827 | 8.1 | 22.0 | 18.0 | 2.0 | 12.1 |
| JUN | | | | | | | | | |
| 12... | 1215 | 9 | 9827 | 9827 | 7.8 | 30.0 | 28.0 | 3.0 | 9.2 |
| JUL | | | | | | | | | |
| 24... | 1000 | 9 | 9827 | 9827 | 7.9 | 26.0 | 23.0 | 2.8 | 8.2 |
| AUG | | | | | | | | | |
| 21... | 1025 | 9 | 9827 | 9827 | 7.8 | 28.0 | 24.0 | 3.0 | 8.1 |
| SEP | | | | | | | | | |
| 18... | 1020 | 9 | 9827 | 9827 | 8.0 | 19.0 | 18.0 | 3.0 | 8.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1200 | 1.5 | 180 | 8.0 | 11 | 201 | .27 | 4 | 1.1 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1250 | 1.0 | 8 | 12 | 14 | 186 | .25 | 2 | 2.0 |
| FEB | | | | | | | | | |
| 07... | 1156 | 1.2 | 10 | 16 | 10 | 186 | .25 | 2 | 4.7 |
| MAR | | | | | | | | | |
| 06... | 1215 | 2.6 | 240 | 7.0 | 5.0 | 135 | .18 | 51 | 2.2 |
| 20... | 1145 | 1.6 | 350 | 7.0 | 4.0 | 127 | .17 | 18 | 1.7 |
| APR | | | | | | | | | |
| 17... | 1200 | .6 | <10 | 6.0 | 5.0 | 161 | .22 | 2 | 1.6 |
| MAY | | | | | | | | | |
| 15... | 1450 | 1.2 | 180 | 12 | 3.5 | 167 | .23 | 2 | 1.3 |
| JUN | | | | | | | | | |
| 12... | 1215 | 1.4 | 100 | 5.0 | 6.5 | 189 | .26 | 8 | 1.4 |
| JUL | | | | | | | | | |
| 24... | 1000 | 1.6 | 60 | 6.0 | 8.5 | 194 | .26 | 4 | 1.3 |
| AUG | | | | | | | | | |
| 21... | 1025 | 2.3 | 84 | 6.0 | 11 | 189 | .26 | 6 | .95 |
| SEP | | | | | | | | | |
| 18... | 1020 | 1.2 | 110 | 5.0 | 10 | 209 | .28 | 4 | 1.1 |

07053230 LONG CREEK NEAR DENVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1200 | <.010 | .030 | .010 | 0 | <1 | <10 | 2 | 0 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1250 | <.010 | .020 | .010 | 0 | <1 | 10 | <1 | 0 |
| FEB | | | | | | | | | |
| 07... | 1156 | .010 | .020 | .030 | 0 | <1 | <10 | <1 | 20 |
| MAR | | | | | | | | | |
| 06... | 1215 | .070 | .130 | -- | 0 | <1 | <10 | 1 | 0 |
| 20... | 1145 | .100 | -- | .050 | -- | <1 | 21 | <1 | 0 |
| APR | | | | | | | | | |
| 17... | 1200 | .030 | .030 | .010 | -- | <1 | <10 | <1 | 0 |
| MAY | | | | | | | | | |
| 15... | 1450 | <.010 | .040 | .010 | 0 | <1 | <10 | <1 | -- |
| JUN | | | | | | | | | |
| 12... | 1215 | .030 | -- | .050 | -- | <1 | 13 | 2 | 0 |
| JUL | | | | | | | | | |
| 24... | 1000 | .020 | .050 | .040 | 0 | <1 | -- | <1 | 0 |
| AUG | | | | | | | | | |
| 21... | 1025 | .030 | .040 | .010 | 0 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 18... | 1020 | .070 | .030 | .020 | -- | <1 | <10 | <1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 21... | 1025 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO

LOCATION.--Lat 36°35'46", long 93°18'35", in NW 1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 20... | 1410 | 9 | 80513 | 80513 | .00 | 160 | 200 | 8.2 |
| 20... | 1412 | 9 | 80513 | 80513 | 10.0 | 160 | 200 | 8.3 |
| 20... | 1414 | 9 | 80513 | 80513 | 20.0 | 160 | 200 | 8.3 |
| 20... | 1416 | 9 | 80513 | 80513 | 30.0 | 160 | 200 | 8.3 |
| 20... | 1418 | 9 | 80513 | 80513 | 40.0 | 160 | 205 | 8.2 |
| 20... | 1420 | 9 | 80513 | 80513 | 43.0 | 160 | 210 | 7.8 |
| 20... | 1422 | 9 | 80513 | 80513 | 45.0 | 160 | 225 | 7.7 |
| 20... | 1424 | 9 | 80513 | 80513 | 48.0 | 160 | 225 | 7.6 |
| 20... | 1426 | 9 | 80513 | 80513 | 50.0 | 160 | 230 | 7.5 |
| 20... | 1428 | 9 | 80513 | 80513 | 60.0 | 160 | 220 | 7.5 |
| 20... | 1430 | 9 | 80513 | 80513 | 70.0 | 160 | 215 | 7.4 |
| 20... | 1432 | 9 | 80513 | 80513 | 80.0 | 160 | 205 | 7.4 |
| 20... | 1434 | 9 | 80513 | 80513 | 90.0 | 160 | 205 | 7.3 |
| 20... | 1436 | 9 | 80513 | 80513 | 100 | 160 | 205 | 7.3 |
| 20... | 1438 | 9 | 80513 | 80513 | 110 | 160 | 205 | 7.3 |
| 20... | 1440 | 9 | 80513 | 80513 | 120 | 160 | 215 | 7.2 |
| 20... | 1442 | 9 | 80513 | 80513 | 130 | 160 | 215 | 7.2 |
| 20... | 1443 | 9 | 80513 | 80513 | 140 | 160 | 215 | 7.2 |
| 20... | 1444 | 9 | 80513 | 80513 | 150 | 160 | 220 | 7.1 |
| 20... | 1445 | 9 | 80513 | 80513 | 160 | 160 | 225 | 7.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 20... | 1410 | 20.0 | 114 | 2.90 | 7.8 | 89 | 739 |
| 20... | 1412 | 19.5 | -- | -- | 7.6 | -- | -- |
| 20... | 1414 | 19.5 | -- | -- | 7.3 | -- | -- |
| 20... | 1416 | 19.0 | -- | -- | 7.1 | -- | -- |
| 20... | 1418 | 19.0 | -- | -- | 6.0 | -- | -- |
| 20... | 1420 | 18.0 | -- | -- | 1.1 | -- | -- |
| 20... | 1422 | 17.0 | -- | -- | .2 | -- | -- |
| 20... | 1424 | 16.0 | -- | -- | .1 | -- | -- |
| 20... | 1426 | 15.5 | -- | -- | .1 | -- | -- |
| 20... | 1428 | 15.0 | -- | -- | .1 | -- | -- |
| 20... | 1430 | 14.5 | -- | -- | .0 | -- | -- |
| 20... | 1432 | 14.0 | -- | -- | .0 | -- | -- |
| 20... | 1434 | 13.5 | -- | -- | .2 | -- | -- |
| 20... | 1436 | 13.0 | -- | -- | .3 | -- | -- |
| 20... | 1438 | 13.0 | -- | -- | .3 | -- | -- |
| 20... | 1440 | 12.5 | -- | -- | .6 | -- | -- |
| 20... | 1442 | 12.0 | -- | -- | .7 | -- | -- |
| 20... | 1443 | 11.5 | -- | -- | .1 | -- | -- |
| 20... | 1444 | 10.5 | -- | -- | .0 | -- | -- |
| 20... | 1445 | 10.0 | -- | -- | .0 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 08... | 1130 | 9 | 80513 | 80513 | .00 | 171 | 220 | 8.0 |
| 08... | 1132 | 9 | 80513 | 80513 | 10.0 | 171 | 220 | 8.1 |
| 08... | 1134 | 9 | 80513 | 80513 | 20.0 | 171 | 220 | 8.2 |
| 08... | 1136 | 9 | 80513 | 80513 | 30.0 | 171 | 220 | 8.2 |
| 08... | 1138 | 9 | 80513 | 80513 | 40.0 | 171 | 220 | 8.2 |
| 08... | 1140 | 9 | 80513 | 80513 | 50.0 | 171 | 225 | 8.1 |
| 08... | 1142 | 9 | 80513 | 80513 | 55.0 | 171 | 225 | 7.8 |
| 08... | 1144 | 9 | 80513 | 80513 | 60.0 | 171 | 225 | 7.7 |
| 08... | 1146 | 9 | 80513 | 80513 | 70.0 | 171 | 225 | 7.7 |
| 08... | 1148 | 9 | 80513 | 80513 | 80.0 | 171 | 220 | 7.6 |
| 08... | 1150 | 9 | 80513 | 80513 | 90.0 | 171 | 215 | 7.6 |
| 08... | 1152 | 9 | 80513 | 80513 | 100 | 171 | 215 | 7.6 |
| 08... | 1154 | 9 | 80513 | 80513 | 110 | 171 | 220 | 7.5 |
| 08... | 1156 | 9 | 80513 | 80513 | 120 | 171 | 225 | 7.5 |
| 08... | 1158 | 9 | 80513 | 80513 | 130 | 171 | 225 | 7.5 |
| 08... | 1200 | 9 | 80513 | 80513 | 140 | 171 | 235 | 7.5 |
| 08... | 1202 | 9 | 80513 | 80513 | 150 | 171 | 240 | 7.5 |
| 08... | 1203 | 9 | 80513 | 80513 | 160 | 171 | 240 | 7.5 |
| 08... | 1204 | 9 | 80513 | 80513 | 170 | 171 | 245 | 7.5 |
| 08... | 1205 | 9 | 80513 | 80513 | 171 | 171 | 245 | 7.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 08... | 1130 | 17.0 | 190 | 4.8 | 7.5 | 80 | 740 |
| 08... | 1132 | 17.0 | -- | -- | 7.5 | -- | -- |
| 08... | 1134 | 17.0 | -- | -- | 7.5 | -- | -- |
| 08... | 1136 | 17.0 | -- | -- | 7.4 | -- | -- |
| 08... | 1138 | 17.0 | -- | -- | 7.4 | -- | -- |
| 08... | 1140 | 16.5 | -- | -- | 6.5 | -- | -- |
| 08... | 1142 | 15.5 | -- | -- | .6 | -- | -- |
| 08... | 1144 | 15.0 | -- | -- | .2 | -- | -- |
| 08... | 1146 | 14.5 | -- | -- | .2 | -- | -- |
| 08... | 1148 | 14.0 | -- | -- | .2 | -- | -- |
| 08... | 1150 | 13.5 | -- | -- | .2 | -- | -- |
| 08... | 1152 | 13.0 | -- | -- | .1 | -- | -- |
| 08... | 1154 | 12.5 | -- | -- | .1 | -- | -- |
| 08... | 1156 | 12.5 | -- | -- | .1 | -- | -- |
| 08... | 1158 | 12.0 | -- | -- | .2 | -- | -- |
| 08... | 1200 | 11.0 | -- | -- | .1 | -- | -- |
| 08... | 1202 | 10.5 | -- | -- | .1 | -- | -- |
| 08... | 1203 | 10.0 | -- | -- | .1 | -- | -- |
| 08... | 1204 | 9.5 | -- | -- | .1 | -- | -- |
| 08... | 1205 | 9.5 | -- | -- | .1 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1600 | 9 | 80513 | 80513 | .00 | 170 | 200 | 7.9 | 10.0 | 11.5 |
| 07... | 1601 | 9 | 80513 | 80010 | 3.00 | 170 | -- | -- | -- | -- |
| 07... | 1602 | 9 | 80513 | 80513 | 10.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1604 | 9 | 80513 | 80513 | 20.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1605 | 9 | 80513 | 80010 | 25.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1608 | 9 | 80513 | 80513 | 30.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1610 | 9 | 80513 | 80513 | 40.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1612 | 9 | 80513 | 80513 | 50.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1614 | 9 | 80513 | 80513 | 60.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1616 | 9 | 80513 | 80513 | 70.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1618 | 9 | 80513 | 80513 | 80.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1619 | 9 | 80513 | 80513 | 90.0 | 170 | 200 | 7.8 | -- | 11.5 |
| 07... | 1620 | 9 | 80513 | 80010 | 100 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1622 | 9 | 80513 | 80513 | 110 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1624 | 9 | 80513 | 80513 | 120 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1626 | 9 | 80513 | 80513 | 130 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1628 | 9 | 80513 | 80513 | 140 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1630 | 9 | 80513 | 80513 | 150 | 170 | 205 | 7.8 | -- | 11.5 |
| 07... | 1633 | 9 | 80513 | 80513 | 160 | 170 | 210 | 7.8 | -- | 11.5 |
| 07... | 1635 | 9 | 80513 | 80513 | 170 | 170 | 215 | 7.6 | -- | 11.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1600 | 136 | 3.4 | 8.6 | 82 | 737 | -- | -- | -- | 1 |
| 07... | 1601 | -- | -- | -- | -- | 737 | -- | -- | -- | -- |
| 07... | 1602 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1604 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1605 | -- | -- | 8.5 | 81 | 737 | 5 | <1.0 | .8 | -- |
| 07... | 1608 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1610 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1612 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1614 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1616 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1618 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1619 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1620 | -- | -- | 8.6 | 82 | 737 | 5 | <1.0 | .8 | -- |
| 07... | 1622 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 07... | 1624 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 07... | 1626 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1628 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 07... | 1630 | -- | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 07... | 1633 | -- | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 07... | 1635 | -- | -- | 4.3 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1605 | 95 | 0 | 0 | 29 | 72 | 5.4 | 95 | 6.0 | 7.4 |
| 07... | 1620 | 90 | 0 | 0 | 27 | 68 | 5.4 | 92 | 7.0 | 7.4 |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | 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) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1601 | -- | -- | -- | -- | -- | -- | -- | .900 | <.100 |
| 07... | 1605 | .200 | .040 | <.10 | .020 | <.010 | 130 | 70 | -- | -- |
| 07... | 1620 | .200 | .010 | <.10 | .010 | <.010 | 140 | 70 | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 25... | 1220 | 9 | 80513 | 80513 | .00 | 165 | 240 | 8.2 |
| 25... | 1222 | 9 | 80513 | 80513 | 10.0 | 165 | 245 | 8.2 |
| 25... | 1224 | 9 | 80513 | 80513 | 20.0 | 165 | 245 | 8.2 |
| 25... | 1226 | 9 | 80513 | 80513 | 30.0 | 165 | 245 | 8.2 |
| 25... | 1228 | 9 | 80513 | 80513 | 40.0 | 165 | 245 | 8.2 |
| 25... | 1230 | 9 | 80513 | 80513 | 50.0 | 165 | 245 | 8.2 |
| 25... | 1232 | 9 | 80513 | 80513 | 60.0 | 165 | 245 | 8.2 |
| 25... | 1234 | 9 | 80513 | 80513 | 70.0 | 165 | 245 | 8.2 |
| 25... | 1236 | 9 | 80513 | 80513 | 80.0 | 165 | 245 | 8.2 |
| 25... | 1238 | 9 | 80513 | 80513 | 90.0 | 165 | 245 | 8.2 |
| 25... | 1240 | 9 | 80513 | 80513 | 100 | 165 | 245 | 8.2 |
| 25... | 1242 | 9 | 80513 | 80513 | 110 | 165 | 245 | 8.2 |
| 25... | 1244 | 9 | 80513 | 80513 | 120 | 165 | 245 | 8.2 |
| 25... | 1246 | 9 | 80513 | 80513 | 130 | 165 | 245 | 8.2 |
| 25... | 1247 | 9 | 80513 | 80513 | 140 | 165 | 245 | 8.2 |
| 25... | 1248 | 9 | 80513 | 80513 | 150 | 165 | 245 | 8.2 |
| 25... | 1249 | 9 | 80513 | 80513 | 160 | 165 | 250 | 8.1 |
| 25... | 1250 | 9 | 80513 | 80513 | 165 | 165 | 250 | 8.1 |

| DATE | TIME | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 25... | 1220 | 4.5 | 137 | 3.5 | 9.6 | 76 | 742 |
| 25... | 1222 | 4.5 | -- | -- | 10.4 | -- | -- |
| 25... | 1224 | 4.5 | -- | -- | 10.4 | -- | -- |
| 25... | 1226 | 4.5 | -- | -- | 10.4 | -- | -- |
| 25... | 1228 | 4.5 | -- | -- | 10.6 | -- | -- |
| 25... | 1230 | 4.0 | -- | -- | 10.6 | -- | -- |
| 25... | 1232 | 4.0 | -- | -- | 10.6 | -- | -- |
| 25... | 1234 | 4.0 | -- | -- | 10.6 | -- | -- |
| 25... | 1236 | 4.0 | -- | -- | 10.6 | -- | -- |
| 25... | 1238 | 4.0 | -- | -- | 10.5 | -- | -- |
| 25... | 1240 | 4.0 | -- | -- | 10.5 | -- | -- |
| 25... | 1242 | 4.0 | -- | -- | 10.4 | -- | -- |
| 25... | 1244 | 4.0 | -- | -- | 10.4 | -- | -- |
| 25... | 1246 | 4.0 | -- | -- | 10.4 | -- | -- |
| 25... | 1247 | 4.0 | -- | -- | 10.4 | -- | -- |
| 25... | 1248 | 4.0 | -- | -- | 10.1 | -- | -- |
| 25... | 1249 | 4.0 | -- | -- | 9.9 | -- | -- |
| 25... | 1250 | 4.0 | -- | -- | 9.9 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 29... | 1450 | 9 | 80513 | 80513 | .00 | 170 | 215 | 7.8 |
| 29... | 1452 | 9 | 80513 | 80513 | 10.0 | 170 | 215 | 7.9 |
| 29... | 1454 | 9 | 80513 | 80513 | 20.0 | 170 | 215 | 7.9 |
| 29... | 1456 | 9 | 80513 | 80513 | 30.0 | 170 | 215 | 8.0 |
| 29... | 1458 | 9 | 80513 | 80513 | 40.0 | 170 | 215 | 8.0 |
| 29... | 1500 | 9 | 80513 | 80513 | 50.0 | 170 | 215 | 8.0 |
| 29... | 1502 | 9 | 80513 | 80513 | 60.0 | 170 | 215 | 8.0 |
| 29... | 1504 | 9 | 80513 | 80513 | 70.0 | 170 | 215 | 8.0 |
| 29... | 1506 | 9 | 80513 | 80513 | 80.0 | 170 | 215 | 8.0 |
| 29... | 1508 | 9 | 80513 | 80513 | 90.0 | 170 | 215 | 8.0 |
| 29... | 1510 | 9 | 80513 | 80513 | 100 | 170 | 215 | 8.1 |
| 29... | 1512 | 9 | 80513 | 80513 | 110 | 170 | 215 | 8.1 |
| 29... | 1514 | 9 | 80513 | 80513 | 120 | 170 | 215 | 8.1 |
| 29... | 1516 | 9 | 80513 | 80513 | 130 | 170 | 215 | 8.1 |
| 29... | 1517 | 9 | 80513 | 80513 | 140 | 170 | 215 | 8.1 |
| 29... | 1518 | 9 | 80513 | 80513 | 150 | 170 | 215 | 8.1 |
| 29... | 1519 | 9 | 80513 | 80513 | 160 | 170 | 215 | 8.1 |
| 29... | 1520 | 9 | 80513 | 80513 | 170 | 170 | 215 | 8.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 29... | 1450 | 5.0 | 176 | 4.5 | 12.2 | 98 | 745 |
| 29... | 1452 | 5.0 | -- | -- | 12.2 | -- | -- |
| 29... | 1454 | 5.0 | -- | -- | 12.2 | -- | -- |
| 29... | 1456 | 5.0 | -- | -- | 12.2 | -- | -- |
| 29... | 1458 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1500 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1502 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1504 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1506 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1508 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1510 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1512 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1514 | 5.0 | -- | -- | 12.1 | -- | -- |
| 29... | 1516 | 5.0 | -- | -- | 12.0 | -- | -- |
| 29... | 1517 | 5.0 | -- | -- | 12.0 | -- | -- |
| 29... | 1518 | 5.0 | -- | -- | 12.0 | -- | -- |
| 29... | 1519 | 5.0 | -- | -- | 12.0 | -- | -- |
| 29... | 1520 | 5.0 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 27... | 1300 | 9 | 80513 | 80513 | .00 | 180 | 215 | 8.7 |
| 27... | 1302 | 9 | 80513 | 80513 | 10.0 | 180 | 215 | 8.7 |
| 27... | 1304 | 9 | 80513 | 80513 | 20.0 | 180 | 215 | 8.7 |
| 27... | 1306 | 9 | 80513 | 80513 | 30.0 | 180 | 215 | 8.7 |
| 27... | 1308 | 9 | 80513 | 80513 | 40.0 | 180 | 215 | 8.7 |
| 27... | 1310 | 9 | 80513 | 80513 | 50.0 | 180 | 215 | 8.7 |
| 27... | 1312 | 9 | 80513 | 80513 | 60.0 | 180 | 215 | 8.7 |
| 27... | 1314 | 9 | 80513 | 80513 | 70.0 | 180 | 215 | 8.7 |
| 27... | 1316 | 9 | 80513 | 80513 | 80.0 | 180 | 215 | 8.7 |
| 27... | 1318 | 9 | 80513 | 80513 | 90.0 | 180 | 215 | 8.7 |
| 27... | 1320 | 9 | 80513 | 80513 | 100 | 180 | 215 | 8.7 |
| 27... | 1322 | 9 | 80513 | 80513 | 110 | 180 | 215 | 8.7 |
| 27... | 1324 | 9 | 80513 | 80513 | 120 | 180 | 215 | 8.7 |
| 27... | 1326 | 9 | 80513 | 80513 | 130 | 180 | 220 | 8.6 |
| 27... | 1328 | 9 | 80513 | 80513 | 140 | 180 | 220 | 8.6 |
| 27... | 1330 | 9 | 80513 | 80513 | 150 | 180 | 220 | 8.6 |
| 27... | 1332 | 9 | 80513 | 80513 | 160 | 180 | 225 | 8.5 |
| 27... | 1334 | 9 | 80513 | 80513 | 170 | 180 | 225 | 8.5 |
| 27... | 1335 | 9 | 80513 | 80513 | 180 | 180 | 230 | 8.4 |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 27... | 1300 | 7.5 | 132 | 3.4 | 11.8 | 103 | 726 |
| 27... | 1302 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1304 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1306 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1308 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1310 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1312 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1314 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1316 | 7.0 | -- | -- | 11.8 | -- | -- |
| 27... | 1318 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1320 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1322 | 6.5 | -- | -- | 11.7 | -- | -- |
| 27... | 1324 | 6.5 | -- | -- | 11.6 | -- | -- |
| 27... | 1326 | 6.0 | -- | -- | 11.6 | -- | -- |
| 27... | 1328 | 6.0 | -- | -- | 11.4 | -- | -- |
| 27... | 1330 | 6.0 | -- | -- | 11.3 | -- | -- |
| 27... | 1332 | 5.5 | -- | -- | 10.8 | -- | -- |
| 27... | 1334 | 5.5 | -- | -- | 10.6 | -- | -- |
| 27... | 1335 | 5.0 | -- | -- | 10.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 24... | 1530 | 9 | 80513 | 80513 | .00 | 177 | 225 | 8.5 |
| 24... | 1532 | 9 | 80513 | 80513 | 10.0 | 177 | 225 | 8.6 |
| 24... | 1534 | 9 | 80513 | 80513 | 20.0 | 177 | 225 | 8.6 |
| 24... | 1536 | 9 | 80513 | 80513 | 30.0 | 177 | 225 | 8.7 |
| 24... | 1538 | 9 | 80513 | 80513 | 40.0 | 177 | 225 | 8.7 |
| 24... | 1540 | 9 | 80513 | 80513 | 50.0 | 177 | 225 | 8.7 |
| 24... | 1542 | 9 | 80513 | 80513 | 60.0 | 177 | 225 | 8.7 |
| 24... | 1544 | 9 | 80513 | 80513 | 70.0 | 177 | 225 | 8.7 |
| 24... | 1546 | 9 | 80513 | 80513 | 80.0 | 177 | 225 | 8.6 |
| 24... | 1548 | 9 | 80513 | 80513 | 90.0 | 177 | 220 | 8.6 |
| 24... | 1550 | 9 | 80513 | 80513 | 100 | 177 | 220 | 8.6 |
| 24... | 1552 | 9 | 80513 | 80513 | 110 | 177 | 220 | 8.6 |
| 24... | 1554 | 9 | 80513 | 80513 | 120 | 177 | 220 | 8.5 |
| 24... | 1556 | 9 | 80513 | 80513 | 130 | 177 | 220 | 8.5 |
| 24... | 1558 | 9 | 80513 | 80513 | 140 | 177 | 220 | 8.5 |
| 24... | 1600 | 9 | 80513 | 80513 | 150 | 177 | 220 | 8.4 |
| 24... | 1602 | 9 | 80513 | 80513 | 160 | 177 | 220 | 8.4 |
| 24... | 1604 | 9 | 80513 | 80513 | 170 | 177 | 225 | 8.3 |
| 24... | 1605 | 9 | 80513 | 80513 | 177 | 177 | 225 | 8.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 24... | 1530 | 12.5 | 134 | 3.4 | 10.5 | 103 | 732 |
| 24... | 1532 | 11.5 | -- | -- | 10.7 | -- | -- |
| 24... | 1534 | 11.5 | -- | -- | 10.9 | -- | -- |
| 24... | 1536 | 11.5 | -- | -- | 11.0 | -- | -- |
| 24... | 1538 | 10.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1540 | 10.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1542 | 10.5 | -- | -- | 11.2 | -- | -- |
| 24... | 1544 | 10.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1546 | 9.5 | -- | -- | 11.2 | -- | -- |
| 24... | 1548 | 8.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1550 | 8.0 | -- | -- | 11.1 | -- | -- |
| 24... | 1552 | 7.5 | -- | -- | 11.1 | -- | -- |
| 24... | 1554 | 7.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1556 | 7.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1558 | 7.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1600 | 6.5 | -- | -- | 11.0 | -- | -- |
| 24... | 1602 | 6.5 | -- | -- | 10.8 | -- | -- |
| 24... | 1604 | 6.0 | -- | -- | 10.2 | -- | -- |
| 24... | 1605 | 5.5 | -- | -- | 10.0 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 22... | 1430 | 9 | 80513 | 80513 | .00 | 189 | 230 | 8.2 | 21.5 | 21.0 | 246 |
| 22... | 1431 | 9 | 80513 | 80010 | 3.00 | 189 | -- | -- | -- | -- | -- |
| 22... | 1432 | 9 | 80513 | 80513 | 10.0 | 189 | 225 | 8.3 | -- | 21.0 | -- |
| 22... | 1434 | 9 | 80513 | 80513 | 16.0 | 189 | 225 | 8.5 | -- | 20.0 | -- |
| 22... | 1436 | 9 | 80513 | 80513 | 17.0 | 189 | 225 | 8.6 | -- | 19.0 | -- |
| 22... | 1438 | 9 | 80513 | 80513 | 18.0 | 189 | 225 | 8.6 | -- | 18.0 | -- |
| 22... | 1440 | 9 | 80513 | 80513 | 19.0 | 189 | 225 | 8.6 | -- | 17.0 | -- |
| 22... | 1442 | 9 | 80513 | 80513 | 20.0 | 189 | 225 | 8.6 | -- | 16.0 | -- |
| 22... | 1445 | 9 | 80513 | 80010 | 25.0 | 189 | 225 | 8.6 | -- | 15.0 | -- |
| 22... | 1446 | 9 | 80513 | 80513 | 30.0 | 189 | 225 | 8.5 | -- | 14.5 | -- |
| 22... | 1448 | 9 | 80513 | 80513 | 40.0 | 189 | 225 | 8.4 | -- | 13.5 | -- |
| 22... | 1450 | 9 | 80513 | 80513 | 50.0 | 189 | 225 | 8.3 | -- | 12.5 | -- |
| 22... | 1452 | 9 | 80513 | 80513 | 60.0 | 189 | 225 | 8.2 | -- | 11.5 | -- |
| 22... | 1454 | 9 | 80513 | 80513 | 70.0 | 189 | 225 | 8.1 | -- | 11.0 | -- |
| 22... | 1456 | 9 | 80513 | 80513 | 80.0 | 189 | 225 | 8.1 | -- | 10.5 | -- |
| 22... | 1458 | 9 | 80513 | 80513 | 90.0 | 189 | 225 | 8.1 | -- | 9.5 | -- |
| 22... | 1500 | 9 | 80513 | 80010 | 100 | 189 | 230 | 8.0 | -- | 9.0 | -- |
| 22... | 1502 | 9 | 80513 | 80513 | 110 | 189 | 230 | 8.0 | -- | 8.5 | -- |
| 22... | 1504 | 9 | 80513 | 80513 | 120 | 189 | 235 | 8.0 | -- | 8.0 | -- |
| 22... | 1506 | 9 | 80513 | 80513 | 130 | 189 | 240 | 7.9 | -- | 7.5 | -- |
| 22... | 1508 | 9 | 80513 | 80513 | 140 | 189 | 240 | 7.9 | -- | 7.5 | -- |
| 22... | 1510 | 9 | 80513 | 80513 | 150 | 189 | 240 | 7.9 | -- | 7.0 | -- |
| 22... | 1512 | 9 | 80513 | 80513 | 160 | 189 | 245 | 7.9 | -- | 7.0 | -- |
| 22... | 1514 | 9 | 80513 | 80513 | 170 | 189 | 245 | 7.8 | -- | 6.5 | -- |
| 22... | 1516 | 9 | 80513 | 80513 | 180 | 189 | 245 | 7.8 | -- | 6.5 | -- |
| 22... | 1520 | 9 | 80513 | 80513 | 189 | 189 | 245 | 7.8 | -- | 6.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 22... | 1430 | 6.2 | 9.2 | 107 | 737 | -- | -- | -- | 2 | -- |
| 22... | 1431 | -- | -- | -- | 737 | -- | -- | -- | -- | -- |
| 22... | 1432 | -- | 11.9 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1434 | -- | 13.2 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1436 | -- | 13.8 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1438 | -- | 13.9 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1440 | -- | 14.1 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1442 | -- | 14.1 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1445 | -- | 13.3 | 137 | 737 | 5 | <1.0 | 1.1 | -- | 110 |
| 22... | 1446 | -- | 12.6 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1448 | -- | 9.7 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1450 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1452 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1454 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1456 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1458 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1500 | -- | 9.2 | 82 | 737 | 5 | <1.0 | .6 | -- | 110 |
| 22... | 1502 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1504 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1506 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1508 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1510 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1512 | -- | 7.7 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1514 | -- | 7.5 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1516 | -- | 7.3 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1520 | -- | 6.9 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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 | | | | | | | | | | |
| 22... | 1431 | .500 | .060 | -- | <.10 | -- | <.010 | <.010 | .800 | <.100 |
| 22... | 1445 | .600 | .090 | -- | <.10 | -- | <.010 | <.010 | -- | -- |
| 22... | 1500 | .700 | .030 | .47 | .50 | 1.2 | .010 | <.010 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 26... | 1230 | 9 | 80513 | 80513 | .00 | 175 | 235 | 8.7 |
| 26... | 1232 | 9 | 80513 | 80513 | 10.0 | 175 | 235 | 8.7 |
| 26... | 1234 | 9 | 80513 | 80513 | 18.0 | 175 | 235 | 8.7 |
| 26... | 1236 | 9 | 80513 | 80513 | 19.0 | 175 | 235 | 8.7 |
| 26... | 1238 | 9 | 80513 | 80513 | 20.0 | 175 | 230 | 8.7 |
| 26... | 1240 | 9 | 80513 | 80513 | 21.0 | 175 | 230 | 8.8 |
| 26... | 1242 | 9 | 80513 | 80513 | 23.0 | 175 | 230 | 8.8 |
| 26... | 1244 | 9 | 80513 | 80513 | 24.0 | 175 | 235 | 8.8 |
| 26... | 1246 | 9 | 80513 | 80513 | 25.0 | 175 | 235 | 8.8 |
| 26... | 1248 | 9 | 80513 | 80513 | 27.0 | 175 | 240 | 8.8 |
| 26... | 1250 | 9 | 80513 | 80513 | 30.0 | 175 | 240 | 8.7 |
| 26... | 1252 | 9 | 80513 | 80513 | 33.0 | 175 | 245 | 8.6 |
| 26... | 1254 | 9 | 80513 | 80513 | 35.0 | 175 | 245 | 8.5 |
| 26... | 1256 | 9 | 80513 | 80513 | 38.0 | 175 | 245 | 8.3 |
| 26... | 1258 | 9 | 80513 | 80513 | 40.0 | 175 | 245 | 8.3 |
| 26... | 1300 | 9 | 80513 | 80513 | 45.0 | 175 | 245 | 8.1 |
| 26... | 1302 | 9 | 80513 | 80513 | 50.0 | 175 | 245 | 8.0 |
| 26... | 1304 | 9 | 80513 | 80513 | 60.0 | 175 | 250 | 8.0 |
| 26... | 1306 | 9 | 80513 | 80513 | 70.0 | 175 | 250 | 8.0 |
| 26... | 1308 | 9 | 80513 | 80513 | 80.0 | 175 | 250 | 8.0 |
| 26... | 1310 | 9 | 80513 | 80513 | 90.0 | 175 | 250 | 8.0 |
| 26... | 1312 | 9 | 80513 | 80513 | 100 | 175 | 250 | 7.9 |
| 26... | 1314 | 9 | 80513 | 80513 | 110 | 175 | 250 | 7.9 |
| 26... | 1316 | 9 | 80513 | 80513 | 120 | 175 | 250 | 7.9 |
| 26... | 1318 | 9 | 80513 | 80513 | 130 | 175 | 250 | 7.8 |
| 26... | 1320 | 9 | 80513 | 80513 | 140 | 175 | 250 | 7.8 |
| 26... | 1322 | 9 | 80513 | 80513 | 150 | 175 | 250 | 7.8 |
| 26... | 1323 | 9 | 80513 | 80513 | 160 | 175 | 255 | 7.7 |
| 26... | 1324 | 9 | 80513 | 80513 | 170 | 175 | 260 | 7.7 |
| 26... | 1325 | 9 | 80513 | 80513 | 175 | 175 | 260 | 7.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 26... | 1230 | 27.0 | 192 | 4.9 | 8.3 | 108 | 739 |
| 26... | 1232 | 27.0 | -- | -- | 8.4 | -- | -- |
| 26... | 1234 | 26.0 | -- | -- | 8.9 | -- | -- |
| 26... | 1236 | 25.0 | -- | -- | 10.0 | -- | -- |
| 26... | 1238 | 24.5 | -- | -- | 10.6 | -- | -- |
| 26... | 1240 | 23.5 | -- | -- | 10.8 | -- | -- |
| 26... | 1242 | 22.5 | -- | -- | 10.8 | -- | -- |
| 26... | 1244 | 21.5 | -- | -- | 10.7 | -- | -- |
| 26... | 1246 | 20.5 | -- | -- | 10.6 | -- | -- |
| 26... | 1248 | 19.5 | -- | -- | 10.1 | -- | -- |
| 26... | 1250 | 18.5 | -- | -- | 9.8 | -- | -- |
| 26... | 1252 | 17.5 | -- | -- | 9.1 | -- | -- |
| 26... | 1254 | 16.5 | -- | -- | 8.2 | -- | -- |
| 26... | 1256 | 15.5 | -- | -- | 7.5 | -- | -- |
| 26... | 1258 | 15.0 | -- | -- | 7.2 | -- | -- |
| 26... | 1300 | 14.0 | -- | -- | 6.4 | -- | -- |
| 26... | 1302 | 13.0 | -- | -- | 6.3 | -- | -- |
| 26... | 1304 | 12.0 | -- | -- | 6.1 | -- | -- |
| 26... | 1306 | 12.0 | -- | -- | 6.1 | -- | -- |
| 26... | 1308 | 11.5 | -- | -- | 6.2 | -- | -- |
| 26... | 1310 | 10.5 | -- | -- | 6.6 | -- | -- |
| 26... | 1312 | 10.0 | -- | -- | 6.6 | -- | -- |
| 26... | 1314 | 9.5 | -- | -- | 6.8 | -- | -- |
| 26... | 1316 | 9.0 | -- | -- | 6.5 | -- | -- |
| 26... | 1318 | 8.5 | -- | -- | 6.4 | -- | -- |
| 26... | 1320 | 8.0 | -- | -- | 6.1 | -- | -- |
| 26... | 1322 | 7.5 | -- | -- | 5.6 | -- | -- |
| 26... | 1323 | 7.0 | -- | -- | 5.2 | -- | -- |
| 26... | 1324 | 7.0 | -- | -- | 4.5 | -- | -- |
| 26... | 1325 | 7.0 | -- | -- | 4.1 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 17... | 1530 | 9 | 80513 | 80513 | .00 | 190 | 200 | 8.6 | 28.5 | 132 |
| 17... | 1531 | 9 | 80513 | 80010 | 3.00 | 190 | 200 | 8.6 | 28.5 | -- |
| 17... | 1532 | 9 | 80513 | 80513 | 10.0 | 190 | 200 | 8.6 | 28.5 | -- |
| 17... | 1534 | 9 | 80513 | 80513 | 20.0 | 190 | 200 | 8.6 | 28.0 | -- |
| 17... | 1536 | 9 | 80513 | 80513 | 21.0 | 190 | 200 | 8.7 | 27.0 | -- |
| 17... | 1538 | 9 | 80513 | 80513 | 22.0 | 190 | 205 | 8.7 | 25.0 | -- |
| 17... | 1540 | 9 | 80513 | 80513 | 23.0 | 190 | 205 | 8.7 | 23.0 | -- |
| 17... | 1542 | 9 | 80513 | 80513 | 25.0 | 190 | 205 | 8.7 | 22.0 | -- |
| 17... | 1544 | 9 | 80513 | 80513 | 26.0 | 190 | 205 | 8.7 | 21.0 | -- |
| 17... | 1546 | 9 | 80513 | 80513 | 28.0 | 190 | 205 | 8.7 | 20.0 | -- |
| 17... | 1548 | 9 | 80513 | 80513 | 30.0 | 190 | 210 | 8.6 | 19.0 | -- |
| 17... | 1550 | 9 | 80513 | 80513 | 32.0 | 190 | 220 | 8.4 | 18.0 | -- |
| 17... | 1552 | 9 | 80513 | 80513 | 34.0 | 190 | 225 | 8.3 | 17.0 | -- |
| 17... | 1554 | 9 | 80513 | 80513 | 37.0 | 190 | 225 | 8.0 | 16.0 | -- |
| 17... | 1556 | 9 | 80513 | 80513 | 40.0 | 190 | 225 | 8.0 | 15.0 | -- |
| 17... | 1558 | 9 | 80513 | 80513 | 45.0 | 190 | 225 | 7.9 | 14.0 | -- |
| 17... | 1600 | 9 | 80513 | 80513 | 50.0 | 190 | 225 | 7.9 | 13.0 | -- |
| 17... | 1602 | 9 | 80513 | 80513 | 60.0 | 190 | 225 | 7.9 | 12.0 | -- |
| 17... | 1604 | 9 | 80513 | 80513 | 70.0 | 190 | 225 | 7.9 | 11.5 | -- |
| 17... | 1606 | 9 | 80513 | 80513 | 80.0 | 190 | 225 | 7.9 | 11.0 | -- |
| 17... | 1608 | 9 | 80513 | 80513 | 90.0 | 190 | 225 | 7.9 | 10.5 | -- |
| 17... | 1610 | 9 | 80513 | 80513 | 100 | 190 | 225 | 7.9 | 10.0 | -- |
| 17... | 1612 | 9 | 80513 | 80513 | 110 | 190 | 225 | 7.8 | 9.5 | -- |
| 17... | 1614 | 9 | 80513 | 80513 | 120 | 190 | 225 | 7.8 | 9.0 | -- |
| 17... | 1616 | 9 | 80513 | 80513 | 130 | 190 | 220 | 7.8 | 8.0 | -- |
| 17... | 1618 | 9 | 80513 | 80513 | 140 | 190 | 220 | 7.8 | 7.5 | -- |
| 17... | 1620 | 9 | 80513 | 80513 | 150 | 190 | 220 | 7.8 | 7.0 | -- |
| 17... | 1622 | 9 | 80513 | 80513 | 160 | 190 | 225 | 7.7 | 7.0 | -- |
| 17... | 1624 | 9 | 80513 | 80513 | 170 | 190 | 225 | 7.7 | 7.0 | -- |
| 17... | 1626 | 9 | 80513 | 80513 | 180 | 190 | 225 | 7.7 | 6.5 | -- |
| 17... | 1630 | 9 | 80513 | 80513 | 190 | 190 | 230 | 7.7 | 6.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 17... | 1530 | 3.4 | 8.0 | 107 | 738 | -- | -- | -- | -- |
| 17... | 1531 | -- | 8.0 | 107 | 738 | <.010 | <.010 | .900 | <.100 |
| 17... | 1532 | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1534 | -- | 8.2 | -- | -- | -- | -- | -- | -- |
| 17... | 1536 | -- | 11.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1538 | -- | 11.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1540 | -- | 11.7 | -- | -- | -- | -- | -- | -- |
| 17... | 1542 | -- | 12.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1544 | -- | 12.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1546 | -- | 11.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1548 | -- | 9.7 | -- | -- | -- | -- | -- | -- |
| 17... | 1550 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 17... | 1552 | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 17... | 1554 | -- | 5.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1556 | -- | 4.8 | -- | -- | -- | -- | -- | -- |
| 17... | 1558 | -- | 4.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1600 | -- | 4.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1602 | -- | 5.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1604 | -- | 5.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1606 | -- | 5.3 | -- | -- | -- | -- | -- | -- |
| 17... | 1608 | -- | 5.6 | -- | -- | -- | -- | -- | -- |
| 17... | 1610 | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 17... | 1612 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 17... | 1614 | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 17... | 1616 | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 17... | 1618 | -- | 5.5 | -- | -- | -- | -- | -- | -- |
| 17... | 1620 | -- | 5.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1622 | -- | 4.4 | -- | -- | -- | -- | -- | -- |
| 17... | 1624 | -- | 4.1 | -- | -- | -- | -- | -- | -- |
| 17... | 1626 | -- | 3.7 | -- | -- | -- | -- | -- | -- |
| 17... | 1630 | -- | 3.4 | -- | -- | -- | -- | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 02... | 1130 | 9 | 80513 | 80513 | .00 | 184 | 180 | 8.6 | -- |
| 02... | 1132 | 9 | 80513 | 80513 | 10.0 | 184 | 180 | 8.7 | -- |
| 02... | 1134 | 9 | 80513 | 80513 | 20.0 | 184 | 180 | 8.8 | -- |
| 02... | 1136 | 9 | 80513 | 80513 | 23.0 | 184 | 185 | 8.8 | -- |
| 02... | 1138 | 9 | 80513 | 80513 | 24.0 | 184 | 185 | 8.8 | -- |
| 02... | 1140 | 9 | 80513 | 80513 | 25.0 | 184 | 185 | 8.8 | -- |
| 02... | 1142 | 9 | 80513 | 80513 | 27.0 | 184 | 190 | 8.8 | -- |
| 02... | 1144 | 9 | 80513 | 80513 | 28.0 | 184 | 190 | 8.8 | -- |
| 02... | 1146 | 9 | 80513 | 80513 | 30.0 | 184 | 200 | 8.7 | -- |
| 02... | 1148 | 9 | 80513 | 80513 | 33.0 | 184 | 205 | 8.3 | -- |
| 02... | 1150 | 9 | 80513 | 80513 | 35.0 | 184 | 215 | 8.1 | -- |
| 02... | 1152 | 9 | 80513 | 80513 | 37.0 | 184 | 215 | 7.9 | -- |
| 02... | 1154 | 9 | 80513 | 80513 | 39.0 | 184 | 220 | 7.9 | -- |
| 02... | 1156 | 9 | 80513 | 80513 | 40.0 | 184 | 220 | 7.8 | -- |
| 02... | 1158 | 9 | 80513 | 80513 | 44.0 | 184 | 225 | 7.8 | -- |
| 02... | 1200 | 9 | 80513 | 80513 | 47.0 | 184 | 230 | 7.8 | -- |
| 02... | 1202 | 9 | 80513 | 80513 | 50.0 | 184 | 230 | 7.7 | -- |
| 02... | 1204 | 9 | 80513 | 80513 | 60.0 | 184 | 225 | 7.7 | -- |
| 02... | 1206 | 9 | 80513 | 80513 | 70.0 | 184 | 225 | 7.7 | -- |
| 02... | 1208 | 9 | 80513 | 80513 | 80.0 | 184 | 220 | 7.7 | -- |
| 02... | 1210 | 9 | 80513 | 80513 | 90.0 | 184 | 220 | 7.7 | -- |
| 02... | 1212 | 9 | 80513 | 80513 | 100 | 184 | 220 | 7.7 | -- |
| 02... | 1214 | 9 | 80513 | 80513 | 110 | 184 | 220 | 7.7 | -- |
| 02... | 1216 | 9 | 80513 | 80513 | 120 | 184 | 220 | 7.7 | -- |
| 02... | 1218 | 9 | 80513 | 80513 | 130 | 184 | 220 | 7.7 | -- |
| 02... | 1220 | 9 | 80513 | 80513 | 140 | 184 | 220 | 7.7 | -- |
| 02... | 1222 | 9 | 80513 | 80513 | 150 | 184 | 220 | 7.6 | -- |
| 02... | 1224 | 9 | 80513 | 80513 | 160 | 184 | 220 | 7.6 | -- |
| 02... | 1226 | 9 | 80513 | 80513 | 170 | 184 | 225 | 7.5 | -- |
| 02... | 1228 | 9 | 80513 | 80513 | 180 | 184 | 225 | 7.5 | -- |
| 02... | 1230 | 9 | 80513 | 80513 | 184 | 184 | 225 | 7.5 | -- |
| 14... | 1730 | 9 | 80513 | 80513 | .00 | 183 | 190 | 8.3 | 32.5 |
| 14... | 1731 | 9 | 80513 | 80010 | 3.00 | 183 | -- | -- | -- |
| 14... | 1732 | 9 | 80513 | 80513 | 10.0 | 183 | 190 | 8.3 | -- |
| 14... | 1734 | 9 | 80513 | 80513 | 20.0 | 183 | 190 | 8.6 | -- |
| 14... | 1735 | 9 | 80513 | 80010 | 25.0 | 183 | 200 | 8.7 | -- |
| 14... | 1738 | 9 | 80513 | 80513 | 26.0 | 183 | 205 | 8.6 | -- |
| 14... | 1740 | 9 | 80513 | 80513 | 27.0 | 183 | 215 | 8.5 | -- |
| 14... | 1742 | 9 | 80513 | 80513 | 29.0 | 183 | 220 | 8.4 | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 02... | 1130 | 26.5 | 166 | 4.2 | 9.0 | 115 | 744 | -- | -- |
| 02... | 1132 | 26.5 | -- | -- | 9.1 | -- | -- | -- | -- |
| 02... | 1134 | 26.5 | -- | -- | 9.0 | -- | -- | -- | -- |
| 02... | 1136 | 25.5 | -- | -- | 10.8 | -- | -- | -- | -- |
| 02... | 1138 | 24.5 | -- | -- | 11.2 | -- | -- | -- | -- |
| 02... | 1140 | 23.5 | -- | -- | 12.1 | -- | -- | -- | -- |
| 02... | 1142 | 22.5 | -- | -- | 12.1 | -- | -- | -- | -- |
| 02... | 1144 | 21.5 | -- | -- | 12.2 | -- | -- | -- | -- |
| 02... | 1146 | 21.0 | -- | -- | 11.3 | -- | -- | -- | -- |
| 02... | 1148 | 20.0 | -- | -- | 8.7 | -- | -- | -- | -- |
| 02... | 1150 | 19.0 | -- | -- | 5.7 | -- | -- | -- | -- |
| 02... | 1152 | 18.0 | -- | -- | 4.4 | -- | -- | -- | -- |
| 02... | 1154 | 17.0 | -- | -- | 3.8 | -- | -- | -- | -- |
| 02... | 1156 | 16.5 | -- | -- | 3.2 | -- | -- | -- | -- |
| 02... | 1158 | 15.5 | -- | -- | 2.3 | -- | -- | -- | -- |
| 02... | 1200 | 14.5 | -- | -- | 2.1 | -- | -- | -- | -- |
| 02... | 1202 | 14.0 | -- | -- | 2.5 | -- | -- | -- | -- |
| 02... | 1204 | 13.0 | -- | -- | 3.1 | -- | -- | -- | -- |
| 02... | 1206 | 12.0 | -- | -- | 3.9 | -- | -- | -- | -- |
| 02... | 1208 | 11.5 | -- | -- | 4.2 | -- | -- | -- | -- |
| 02... | 1210 | 11.0 | -- | -- | 4.6 | -- | -- | -- | -- |
| 02... | 1212 | 10.5 | -- | -- | 4.6 | -- | -- | -- | -- |
| 02... | 1214 | 10.5 | -- | -- | 4.9 | -- | -- | -- | -- |
| 02... | 1216 | 10.0 | -- | -- | 4.9 | -- | -- | -- | -- |
| 02... | 1218 | 9.0 | -- | -- | 5.1 | -- | -- | -- | -- |
| 02... | 1220 | 8.0 | -- | -- | 4.9 | -- | -- | -- | -- |
| 02... | 1222 | 7.5 | -- | -- | 4.1 | -- | -- | -- | -- |
| 02... | 1224 | 7.0 | -- | -- | 2.6 | -- | -- | -- | -- |
| 02... | 1226 | 7.0 | -- | -- | 1.4 | -- | -- | -- | -- |
| 02... | 1228 | 7.0 | -- | -- | 1.0 | -- | -- | -- | -- |
| 02... | 1230 | 6.5 | -- | -- | .9 | -- | -- | -- | -- |
| 14... | 1730 | 28.0 | 194 | 4.9 | 8.7 | 115 | 741 | -- | -- |
| 14... | 1731 | -- | -- | -- | -- | -- | 741 | -- | -- |
| 14... | 1732 | 27.5 | -- | -- | 9.4 | -- | -- | -- | -- |
| 14... | 1734 | 26.5 | -- | -- | 9.4 | -- | -- | -- | -- |
| 14... | 1735 | 25.5 | -- | -- | 9.4 | 118 | 741 | 2 | .50 |
| 14... | 1738 | 24.5 | -- | -- | 9.7 | -- | -- | -- | -- |
| 14... | 1740 | 23.5 | -- | -- | 9.6 | -- | -- | -- | -- |
| 14... | 1742 | 22.5 | -- | -- | 9.0 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 14... | 1730 | -- | 0 | -- | -- | -- | -- | -- | -- |
| 14... | 1731 | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 14... | 1735 | 1.0 | -- | 78 | .200 | <.010 | .010 | -- | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 14... | 1744 | 9 | 80513 | 80513 | 30.0 | 183 | 220 | 8.3 | 22.0 | 8.6 |
| 14... | 1746 | 9 | 80513 | 80513 | 32.0 | 183 | 225 | 8.1 | 21.0 | 7.1 |
| 14... | 1748 | 9 | 80513 | 80513 | 34.0 | 183 | 230 | 8.0 | 20.0 | 5.5 |
| 14... | 1750 | 9 | 80513 | 80513 | 36.0 | 183 | 240 | 8.0 | 19.0 | 3.6 |
| 14... | 1752 | 9 | 80513 | 80513 | 38.0 | 183 | 245 | 7.9 | 18.0 | 2.3 |
| 14... | 1754 | 9 | 80513 | 80513 | 40.0 | 183 | 250 | 7.9 | 17.0 | 1.8 |
| 14... | 1756 | 9 | 80513 | 80513 | 43.0 | 183 | 250 | 7.9 | 16.0 | 1.4 |
| 14... | 1758 | 9 | 80513 | 80513 | 47.0 | 183 | 250 | 7.9 | 15.0 | 1.4 |
| 14... | 1800 | 9 | 80513 | 80513 | 50.0 | 183 | 245 | 7.8 | 14.5 | 1.7 |
| 14... | 1802 | 9 | 80513 | 80513 | 60.0 | 183 | 245 | 7.8 | 13.5 | 2.3 |
| 14... | 1804 | 9 | 80513 | 80513 | 70.0 | 183 | 240 | 7.8 | 12.5 | 3.0 |
| 14... | 1806 | 9 | 80513 | 80513 | 80.0 | 183 | 235 | 7.8 | 12.0 | 3.5 |
| 14... | 1808 | 9 | 80513 | 80513 | 90.0 | 183 | 235 | 7.8 | 11.5 | 3.8 |
| 14... | 1810 | 9 | 80513 | 80010 | 100 | 183 | 235 | 7.8 | 11.5 | 4.1 |
| 14... | 1812 | 9 | 80513 | 80513 | 110 | 183 | 235 | 7.8 | 11.0 | 4.5 |
| 14... | 1814 | 9 | 80513 | 80513 | 120 | 183 | 235 | 7.8 | 10.5 | 4.4 |
| 14... | 1816 | 9 | 80513 | 80513 | 130 | 183 | 235 | 7.8 | 10.0 | 4.3 |
| 14... | 1818 | 9 | 80513 | 80513 | 140 | 183 | 235 | 7.8 | 9.5 | 4.2 |
| 14... | 1820 | 9 | 80513 | 80513 | 150 | 183 | 235 | 7.7 | 9.0 | 2.8 |
| 14... | 1822 | 9 | 80513 | 80513 | 160 | 183 | 245 | 7.6 | 8.0 | .9 |
| 14... | 1824 | 9 | 80513 | 80513 | 170 | 183 | 245 | 7.6 | 8.0 | .4 |
| 14... | 1826 | 9 | 80513 | 80513 | 180 | 183 | 250 | 7.6 | 7.5 | .1 |
| 14... | 1830 | 9 | 80513 | 80513 | 183 | 183 | 250 | 7.5 | 7.5 | .1 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 14... | 1810 | 39 | 741 | 3 | .30 | .9 | 86 | .200 | <.010 | <.010 |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 05... | 1200 | 9 | 80513 | 80513 | .00 | 168 | 180 | 8.6 | 23.0 | 155 |
| 05... | 1202 | 9 | 80513 | 80513 | 10.0 | 168 | 180 | 8.6 | 23.0 | -- |
| 05... | 1204 | 9 | 80513 | 80513 | 20.0 | 168 | 180 | 8.6 | 23.0 | -- |
| 05... | 1206 | 9 | 80513 | 80513 | 30.0 | 168 | 210 | 8.8 | 22.0 | -- |
| 05... | 1208 | 9 | 80513 | 80513 | 31.0 | 168 | 210 | 8.8 | 21.0 | -- |
| 05... | 1210 | 9 | 80513 | 80513 | 32.0 | 168 | 220 | 8.2 | 20.0 | -- |
| 05... | 1212 | 9 | 80513 | 80513 | 33.0 | 168 | 220 | 7.7 | 19.0 | -- |
| 05... | 1214 | 9 | 80513 | 80513 | 35.0 | 168 | 220 | 7.7 | 18.0 | -- |
| 05... | 1216 | 9 | 80513 | 80513 | 37.0 | 168 | 225 | 7.6 | 17.0 | -- |
| 05... | 1218 | 9 | 80513 | 80513 | 40.0 | 168 | 230 | 7.5 | 16.0 | -- |
| 05... | 1220 | 9 | 80513 | 80513 | 43.0 | 168 | 230 | 7.5 | 15.0 | -- |
| 05... | 1222 | 9 | 80513 | 80513 | 47.0 | 168 | 230 | 7.5 | 14.0 | -- |
| 05... | 1224 | 9 | 80513 | 80513 | 50.0 | 168 | 230 | 7.5 | 13.0 | -- |
| 05... | 1226 | 9 | 80513 | 80513 | 60.0 | 168 | 230 | 7.5 | 12.5 | -- |
| 05... | 1228 | 9 | 80513 | 80513 | 70.0 | 168 | 225 | 7.5 | 11.5 | -- |
| 05... | 1230 | 9 | 80513 | 80513 | 80.0 | 168 | 220 | 7.6 | 11.0 | -- |
| 05... | 1232 | 9 | 80513 | 80513 | 90.0 | 168 | 220 | 7.6 | 10.0 | -- |
| 05... | 1234 | 9 | 80513 | 80513 | 100 | 168 | 220 | 7.6 | 10.0 | -- |
| 05... | 1236 | 9 | 80513 | 80513 | 110 | 168 | 220 | 7.6 | 9.5 | -- |
| 05... | 1238 | 9 | 80513 | 80513 | 120 | 168 | 220 | 7.6 | 9.0 | -- |
| 05... | 1240 | 9 | 80513 | 80513 | 130 | 168 | 220 | 7.5 | 8.5 | -- |
| 05... | 1242 | 9 | 80513 | 80513 | 140 | 168 | 220 | 7.5 | 7.5 | -- |
| 05... | 1244 | 9 | 80513 | 80513 | 150 | 168 | 220 | 7.4 | 7.5 | -- |
| 05... | 1246 | 9 | 80513 | 80513 | 160 | 168 | 225 | 7.4 | 7.0 | -- |
| 05... | 1250 | 9 | 80513 | 80513 | 168 | 168 | 230 | 7.4 | 6.5 | -- |
| 18... | 1130 | 9 | 80513 | 80513 | .00 | 180 | 185 | 8.9 | 23.0 | 170 |
| 18... | 1131 | 9 | 80513 | 80010 | 3.00 | 180 | 185 | 8.9 | 23.0 | -- |
| 18... | 1132 | 9 | 80513 | 80513 | 10.0 | 180 | 185 | 8.9 | 23.0 | -- |
| 18... | 1134 | 9 | 80513 | 80513 | 20.0 | 180 | 185 | 8.9 | 23.0 | -- |
| 18... | 1136 | 9 | 80513 | 80513 | 30.0 | 180 | 200 | 8.5 | 22.5 | -- |
| 18... | 1138 | 9 | 80513 | 80513 | 32.0 | 180 | 215 | 8.2 | 21.5 | -- |
| 18... | 1140 | 9 | 80513 | 80513 | 34.0 | 180 | 225 | 8.0 | 20.5 | -- |
| 18... | 1142 | 9 | 80513 | 80513 | 36.0 | 180 | 235 | 8.0 | 19.5 | -- |
| 18... | 1144 | 9 | 80513 | 80513 | 38.0 | 180 | 235 | 7.9 | 18.5 | -- |
| 18... | 1146 | 9 | 80513 | 80513 | 40.0 | 180 | 235 | 7.9 | 17.5 | -- |
| 18... | 1148 | 9 | 80513 | 80513 | 45.0 | 180 | 235 | 7.9 | 16.5 | -- |
| 18... | 1150 | 9 | 80513 | 80513 | 50.0 | 180 | 235 | 7.9 | 15.5 | -- |
| 18... | 1152 | 9 | 80513 | 80513 | 55.0 | 180 | 235 | 7.9 | 14.5 | -- |
| 18... | 1154 | 9 | 80513 | 80513 | 60.0 | 180 | 235 | 7.9 | 14.0 | -- |

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 05... | 1200 | 3.9 | 8.8 | 103 | 759 | -- | -- | -- | -- |
| 05... | 1202 | -- | 8.7 | -- | -- | -- | -- | -- | -- |
| 05... | 1204 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 05... | 1206 | -- | 6.5 | -- | -- | -- | -- | -- | -- |
| 05... | 1208 | -- | 5.0 | -- | -- | -- | -- | -- | -- |
| 05... | 1210 | -- | 4.0 | -- | -- | -- | -- | -- | -- |
| 05... | 1212 | -- | 3.6 | -- | -- | -- | -- | -- | -- |
| 05... | 1214 | -- | 2.2 | -- | -- | -- | -- | -- | -- |
| 05... | 1216 | -- | 1.6 | -- | -- | -- | -- | -- | -- |
| 05... | 1218 | -- | .2 | -- | -- | -- | -- | -- | -- |
| 05... | 1220 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 05... | 1222 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 05... | 1224 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 05... | 1226 | -- | .8 | -- | -- | -- | -- | -- | -- |
| 05... | 1228 | -- | 1.4 | -- | -- | -- | -- | -- | -- |
| 05... | 1230 | -- | 2.3 | -- | -- | -- | -- | -- | -- |
| 05... | 1232 | -- | 3.0 | -- | -- | -- | -- | -- | -- |
| 05... | 1234 | -- | 3.2 | -- | -- | -- | -- | -- | -- |
| 05... | 1236 | -- | 3.1 | -- | -- | -- | -- | -- | -- |
| 05... | 1238 | -- | 3.1 | -- | -- | -- | -- | -- | -- |
| 05... | 1240 | -- | 3.1 | -- | -- | -- | -- | -- | -- |
| 05... | 1242 | -- | 2.4 | -- | -- | -- | -- | -- | -- |
| 05... | 1244 | -- | 1.2 | -- | -- | -- | -- | -- | -- |
| 05... | 1246 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 05... | 1250 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1130 | 4.3 | 7.4 | 88 | 748 | -- | -- | -- | -- |
| 18... | 1131 | -- | 7.4 | -- | -- | .050 | .020 | 2.00 | <.100 |
| 18... | 1132 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1134 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1136 | -- | 4.2 | -- | -- | -- | -- | -- | -- |
| 18... | 1138 | -- | 1.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1140 | -- | .3 | -- | -- | -- | -- | -- | -- |
| 18... | 1142 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1144 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1146 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1148 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1150 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1152 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 18... | 1154 | -- | .1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 18... | 1156 | 9 | 80513 | 80513 | 70.0 | 180 | 235 | 7.9 | 13.0 | .7 |
| 18... | 1158 | 9 | 80513 | 80513 | 80.0 | 180 | 230 | 7.9 | 12.5 | 1.4 |
| 18... | 1200 | 9 | 80513 | 80513 | 90.0 | 180 | 220 | 7.9 | 12.0 | 2.1 |
| 18... | 1202 | 9 | 80513 | 80513 | 100 | 180 | 215 | 7.9 | 11.5 | 2.4 |
| 18... | 1204 | 9 | 80513 | 80513 | 110 | 180 | 215 | 7.9 | 11.0 | 2.6 |
| 18... | 1206 | 9 | 80513 | 80513 | 120 | 180 | 215 | 7.9 | 10.5 | 2.6 |
| 18... | 1208 | 9 | 80513 | 80513 | 130 | 180 | 220 | 7.9 | 10.0 | 2.6 |
| 18... | 1210 | 9 | 80513 | 80513 | 140 | 180 | 225 | 7.8 | 9.5 | 1.7 |
| 18... | 1212 | 9 | 80513 | 80513 | 150 | 180 | 230 | 7.8 | 9.0 | .6 |
| 18... | 1214 | 9 | 80513 | 80513 | 160 | 180 | 230 | 7.7 | 8.5 | .1 |
| 18... | 1216 | 9 | 80513 | 80513 | 170 | 180 | 235 | 7.7 | 8.5 | .1 |
| 18... | 1220 | 9 | 80513 | 80513 | 180 | 180 | 235 | 7.6 | 8.0 | .0 |

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 04... | 0745 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 100 | 80 |
| 20... | 1330 | 9 | 80513 | 80010 | 2250 | 200 | 7.1 | 11.5 | 4.1 | 130 | 170 |
| 26... | 1120 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 160 | 160 |
| NOV | | | | | | | | | | | |
| 01... | 1300 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 150 | 140 |
| 08... | 1100 | 9 | 80513 | 80010 | 610 | 225 | 7.1 | 11.5 | 2.5 | 160 | 280 |
| 22... | 1120 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 130 | 350 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1015 | 9 | 80513 | 80010 | 7020 | 218 | 8.1 | 11.5 | 11.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1015 | 8.4 | 79 | 736 | 4 | 1.8 | 1.2 | 1 | 100 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1015 | 4 | 4 | 32 | 80 | 5.4 | 98 | 6.0 | 8.4 |

| DATE | TIME | 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) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | |
| 07... | 1015 | .200 | .090 | <.10 | .030 | <.010 | 290 | 270 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | |
| 25... | 1200 | 9 | 80513 | 80513 | 1170 | 245 | 8.2 | 4.5 | 11.7 |
| FEB | | | | | | | | | |
| 29... | 1420 | 9 | 80513 | 80513 | 2350 | 225 | 7.6 | 8.0 | 12.5 |
| MAR | | | | | | | | | |
| 27... | 1230 | 9 | 80513 | 80513 | 11700 | 215 | 8.8 | 6.5 | 11.3 |
| APR | | | | | | | | | |
| 24... | 1500 | 9 | 80513 | 80513 | 8250 | 225 | 8.3 | 9.0 | 9.5 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | |
| 22... | 1350 | 9 | 80513 | 80010 | 4710 | 235 | 7.9 | 19.0 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | |
| 22... | 1350 | 8.0 | 8.5 | 74 | 743 | 5 | <1.0 | .8 |

| DATE | TIME | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | ITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | |
| 22... | 1350 | 1 | 110 | .700 | .060 | <.10 | .030 | .020 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | | |
| 26... | 1200 | 9 | 80513 | 80513 | 2230 | 235 | 7.7 | 9.0 | 6.5 |
| JUL | | | | | | | | | |
| 17... | 1500 | 9 | 80513 | 80513 | 140 | 215 | 8.0 | 12.0 | 10.2 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | | |
| 02... | 1240 | 9 | 80513 | 80513 | 5110 | 220 | 7.9 | -- | 9.5 | 4.5 | -- |
| 14... | 1700 | 9 | 80513 | 80010 | 3900 | 230 | 8.1 | 23.5 | 10.5 | 2.9 | 27 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 14... | 1700 | 740 | 3 | .40 | .9 | 0 | 86 | .800 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | DIS-CHARGE, IN CUBIC FEET PER SECOND (00060) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | | |
| 05... | 1100 | 9 | 80513 | 80513 | 140 | 210 | 8.0 | 9.5 | 4.6 | -- | -- |
| 18... | 1100 | 9 | 80513 | 80613 | 440 | 235 | 7.8 | 11.5 | 11.2 | 140 | 150 |

## 07053700 LAKE TANEYCOMO AT BRANSON, MO

LOCATION.--Lat 36°38'09", long 93°15'52", in SE 1/4 NW 1/4 sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 1101003, 1,000 ft. downstream from Turkey Creek, at bridge on Business Route 65 in Branson.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | 9 | 1028 | 29001 | -- | -- | 221 | 7.6 | -- | 12.5 | -- |
| NOV | | | | | | | | | | | |
| 09... | 0900 | 9 | 1028 | 29001 | -- | -- | 235 | 7.3 | -- | 13.0 | -- |
| DEC | | | | | | | | | | | |
| 07... | 1055 | 9 | 80513 | 80513 | .00 | 25.0 | -- | -- | 9.5 | -- | 144 |
| 07... | 1056 | 9 | 80513 | 80010 | 3.00 | 25.0 | -- | -- | -- | -- | -- |
| 07... | 1100 | 9 | 80513 | 80010 | 5.00 | 25.0 | 219 | 8.0 | -- | 11.0 | -- |
| 07... | 1110 | 9 | 80513 | 80010 | 20.0 | 25.0 | 220 | 8.1 | -- | 11.0 | -- |
| 07... | 1415 | 9 | 1028 | 29001 | -- | -- | 208 | 7.6 | -- | 12.0 | -- |
| JAN | | | | | | | | | | | |
| 04... | 1330 | 9 | 1028 | 29001 | -- | -- | 229 | 8.5 | -- | 11.5 | -- |
| FEB | | | | | | | | | | | |
| 07... | 1430 | 9 | 1028 | 29001 | -- | -- | 208 | 8.5 | -- | 8.0 | -- |
| MAR | | | | | | | | | | | |
| 06... | 1315 | 9 | 1028 | 29001 | -- | -- | 219 | 8.0 | -- | 7.0 | -- |
| APR | | | | | | | | | | | |
| 03... | 1300 | 9 | 1028 | 29001 | -- | -- | 221 | 8.0 | -- | 7.5 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1300 | 9 | 1028 | 29001 | -- | -- | 226 | 7.9 | -- | 10.0 | -- |
| 22... | 1330 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 22.0 | -- | 120 |
| 22... | 1331 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- | -- |
| 22... | 1335 | 9 | 80513 | 80010 | 4.00 | 20.0 | 220 | 8.0 | -- | 7.5 | -- |
| 22... | 1340 | 9 | 80513 | 80010 | 16.0 | 20.0 | 220 | 8.1 | -- | 7.0 | -- |
| JUN | | | | | | | | | | | |
| 06... | 1230 | 9 | 1028 | 29001 | -- | -- | 250 | 7.7 | -- | 11.0 | -- |
| JUL | | | | | | | | | | | |
| 12... | 0800 | 9 | 1028 | 80020 | -- | -- | 266 | 7.5 | -- | 11.5 | -- |
| AUG | | | | | | | | | | | |
| 07... | 0730 | 9 | 1028 | 80020 | -- | -- | 258 | 7.4 | -- | 13.0 | -- |
| 15... | 0750 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 21.5 | -- | 87.6 |
| 15... | 0751 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- | -- |
| 15... | 0755 | 9 | 1028 | 80010 | 4.00 | 20.0 | 250 | 8.1 | -- | 10.5 | -- |
| 15... | 0800 | 9 | 80513 | 80010 | 16.0 | 20.0 | 250 | 7.5 | -- | 10.0 | -- |

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | -- | 6.4 | 59 | 773 | -- | -- | 8 | -- | -- | 27 |
| NOV | | | | | | | | | | | |
| 09... | 0900 | -- | 7.2 | 68 | 765 | -- | -- | 11 | -- | -- | 7 |
| DEC | | | | | | | | | | | |
| 07... | 1055 | 3.7 | -- | -- | 760 | -- | -- | -- | -- | -- | 5 |
| 07... | 1056 | -- | -- | -- | 760 | -- | -- | -- | -- | -- | -- |
| 07... | 1100 | -- | 8.1 | 74 | 760 | 3 | 1.4 | -- | -- | 1.4 | -- |
| 07... | 1110 | -- | 7.8 | 71 | 760 | 5 | 1.5 | -- | -- | 1.0 | -- |
| 07... | 1415 | -- | 9.6 | 88 | 768 | -- | -- | <5 | -- | -- | <1 |
| JAN | | | | | | | | | | | |
| 04... | 1330 | -- | 13.4 | 121 | 772 | -- | -- | <5 | -- | -- | 21 |
| FEB | | | | | | | | | | | |
| 07... | 1430 | -- | 15.0 | 124 | 777 | -- | -- | 7 | -- | -- | <1 |
| MAR | | | | | | | | | | | |
| 06... | 1315 | -- | 12.4 | 101 | 773 | -- | -- | 7 | -- | -- | K2 |
| APR | | | | | | | | | | | |
| 03... | 1300 | -- | 11.8 | 99 | 760 | -- | -- | 5 | -- | -- | K2 |
| MAY | | | | | | | | | | | |
| 09... | 1300 | -- | 10.8 | 94 | 775 | -- | -- | 50 | -- | -- | K4 |
| 22... | 1330 | 3.00 | -- | -- | 750 | -- | -- | -- | -- | -- | 7 |
| 22... | 1331 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 22... | 1335 | -- | 10.1 | 86 | 750 | <1 | <1.0 | -- | -- | .7 | -- |
| 22... | 1340 | -- | 10.8 | 90 | 750 | <1 | 1.4 | -- | -- | 1.2 | -- |
| JUN | | | | | | | | | | | |
| 06... | 1230 | -- | 9.2 | 83 | 768 | -- | -- | 7 | -- | -- | K12 |
| JUL | | | | | | | | | | | |
| 12... | 0800 | -- | 9.2 | 83 | 773 | -- | -- | -- | 22 | -- | 270 |
| AUG | | | | | | | | | | | |
| 07... | 0730 | -- | 5.6 | 52 | 773 | -- | -- | -- | 14 | -- | 220 |
| 15... | 0750 | 2.20 | -- | -- | 748 | -- | -- | -- | -- | -- | 21 |
| 15... | 0751 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 15... | 0755 | -- | 4.6 | 42 | 748 | 2 | .40 | -- | -- | 1.0 | -- |
| 15... | 0800 | -- | 4.4 | 40 | 748 | 3 | .50 | -- | -- | 1.5 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | 110 | 6 | 6 | 36 | -- | 6.0 | 2.9 | 5 | .1 | 1.7 |
| DEC | | | | | | | | | | | |
| 07... | 1100 | 95 | 0 | 0 | 29 | 72 | 5.6 | -- | -- | -- | -- |
| 07... | 1110 | 100 | 3 | 3 | 32 | 80 | 5.6 | -- | -- | -- | -- |
| JAN | | | | | | | | | | | |
| 04... | 1330 | 110 | 0 | 0 | 29 | -- | 9.2 | 3.4 | 6 | .1 | 1.7 |
| APR | | | | | | | | | | | |
| 03... | 1300 | 110 | 13 | 13 | 32 | -- | 6.6 | 3.4 | 6 | .1 | 1.7 |
| JUL | | | | | | | | | | | |
| 12... | 0800 | 130 | 12 | 12 | 42 | -- | 7.3 | 3.5 | 5 | .1 | 1.6 |

WHITE RIVER BASIN

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | ALKALINITY 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) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | 109 | <10 | 6.0 | .10 | 130 | .18 | <1 | .570 | .110 | -- |
| NOV | | | | | | | | | | | |
| 09... | 0900 | 106 | -- | -- | -- | -- | -- | 5 | .550 | .110 | -- |
| DEC | | | | | | | | | | | |
| 07... | 1100 | 100 | 7.0 | 7.4 | -- | -- | -- | -- | .200 | .090 | .11 |
| 07... | 1110 | 100 | 7.0 | 5.4 | -- | -- | -- | -- | .200 | .180 | .08 |
| 07... | 1415 | 90 | -- | -- | -- | -- | -- | 8 | .210 | .110 | -- |
| JAN | | | | | | | | | | | |
| 04... | 1330 | 121 | 15 | 5.0 | .10 | 142 | .19 | 2 | .370 | .080 | -- |
| FEB | | | | | | | | | | | |
| 07... | 1430 | 103 | -- | -- | -- | -- | -- | 3 | .250 | <.010 | -- |
| MAR | | | | | | | | | | | |
| 06... | 1315 | 91 | -- | -- | -- | -- | -- | 1 | .300 | .080 | -- |
| APR | | | | | | | | | | | |
| 03... | 1300 | 94 | 12 | 5.0 | .10 | 140 | .19 | 2 | .390 | .010 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1300 | 104 | -- | -- | -- | -- | -- | 2 | .470 | .010 | -- |
| 22... | 1335 | 110 | -- | -- | -- | -- | -- | -- | .700 | .030 | -- |
| 22... | 1340 | 110 | -- | -- | -- | -- | -- | -- | .700 | .020 | .18 |
| JUN | | | | | | | | | | | |
| 06... | 1230 | 107 | -- | -- | -- | -- | -- | 3 | .200 | .010 | -- |
| JUL | | | | | | | | | | | |
| 12... | 0800 | 123 | 9.5 | 6.1 | <.10 | 143 | .19 | <2 | .500 | .030 | -- |
| AUG | | | | | | | | | | | |
| 07... | 0730 | 106 | -- | -- | -- | -- | -- | 3 | .800 | .030 | -- |
| 15... | 0755 | 107 | -- | -- | -- | -- | -- | -- | .800 | -- | -- |
| 15... | 0800 | 100 | -- | -- | -- | -- | -- | -- | .800 | -- | -- |

| DATE | TIME | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CADMIUM DISSOLVED (UG/L AS CD) (01025) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | -- | -- | <.050 | -- | <2 | <2 | <5 | <5 | 80 | <20 |
| NOV | | | | | | | | | | | |
| 09... | 0900 | -- | -- | <.050 | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 07... | 1100 | .20 | .40 | .030 | <.010 | -- | -- | -- | -- | 190 | -- |
| 07... | 1110 | .10 | .30 | .020 | <.010 | -- | -- | -- | -- | 230 | -- |
| 07... | 1415 | -- | -- | <.050 | -- | -- | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | | | |
| 04... | 1330 | -- | -- | .050 | -- | <2 | <2 | <5 | <5 | 50 | <20 |
| FEB | | | | | | | | | | | |
| 07... | 1430 | -- | -- | <.050 | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | | |
| 06... | 1315 | -- | -- | .090 | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 03... | 1300 | -- | -- | <.050 | -- | <2 | <2 | <5 | <5 | 40 | <20 |
| MAY | | | | | | | | | | | |
| 09... | 1300 | -- | -- | <.050 | -- | -- | -- | -- | -- | -- | -- |
| 22... | 1335 | <.10 | -- | .020 | <.010 | -- | -- | -- | -- | -- | -- |
| 22... | 1340 | .20 | .90 | .020 | <.010 | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 06... | 1230 | -- | -- | <.050 | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 12... | 0800 | -- | -- | .030 | -- | <1 | <1 | 8 | <1 | 30 | 4 |
| AUG | | | | | | | | | | | |
| 07... | 0730 | -- | -- | <.010 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0755 | -- | -- | <.010 | .020 | -- | -- | -- | -- | -- | -- |
| 15... | 0800 | -- | -- | <.010 | <.010 | -- | -- | -- | -- | -- | -- |

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LEAD, DIS-SOLVED (UG/L AS PB) (01049) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MERCURY DIS-SOLVED (UG/L AS HG) (71890) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | ZINC, DIS-SOLVED (UG/L AS ZN) (01090) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 18... | 1700 | <5 | <5 | 160 | 120 | <.2 | <.2 | <10 | <10 | -- | -- |
| DEC | | | | | | | | | | | |
| 07... | 1056 | -- | -- | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| 07... | 1100 | -- | -- | 230 | -- | -- | -- | -- | -- | -- | -- |
| 07... | 1110 | -- | -- | 230 | -- | -- | -- | -- | -- | -- | -- |
| JAN | | | | | | | | | | | |
| 04... | 1330 | <5 | <5 | 30 | <20 | <.2 | <.2 | <10 | <10 | -- | -- |
| APR | | | | | | | | | | | |
| 03... | 1300 | <5 | <5 | 22 | <20 | <.2 | <.2 | 10 | <10 | -- | -- |
| MAY | | | | | | | | | | | |
| 22... | 1331 | -- | -- | -- | -- | -- | -- | -- | -- | .400 | <.100 |
| JUL | | | | | | | | | | | |
| 12... | 0800 | 3 | 7 | 20 | 10 | .1 | <.1 | <10 | 6 | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 0751 | -- | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |

## 07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 18... | 1550 | 9 | 80513 | 80513 | .00 | 170 | 255 | 8.3 |
| 18... | 1552 | 9 | 80513 | 80513 | 10.0 | 170 | 255 | 8.3 |
| 18... | 1554 | 9 | 80513 | 80513 | 20.0 | 170 | 255 | 8.3 |
| 18... | 1556 | 9 | 80513 | 80513 | 30.0 | 170 | 255 | 8.2 |
| 18... | 1558 | 9 | 80513 | 80513 | 35.0 | 170 | 265 | 7.7 |
| 18... | 1600 | 9 | 80513 | 80513 | 40.0 | 170 | 265 | 7.6 |
| 18... | 1602 | 9 | 80513 | 80513 | 50.0 | 170 | 265 | 7.5 |
| 18... | 1604 | 9 | 80513 | 80513 | 60.0 | 170 | 265 | 7.5 |
| 18... | 1606 | 9 | 80513 | 80513 | 70.0 | 170 | 265 | 7.5 |
| 18... | 1608 | 9 | 80513 | 80513 | 80.0 | 170 | 265 | 7.4 |
| 18... | 1610 | 9 | 80513 | 80513 | 90.0 | 170 | 260 | 7.4 |
| 18... | 1612 | 9 | 80513 | 80513 | 100 | 170 | 260 | 7.4 |
| 18... | 1614 | 9 | 80513 | 80513 | 110 | 170 | 260 | 7.4 |
| 18... | 1616 | 9 | 80513 | 80513 | 120 | 170 | 260 | 7.3 |
| 18... | 1618 | 9 | 80513 | 80513 | 130 | 170 | 260 | 7.3 |
| 18... | 1620 | 9 | 80513 | 80513 | 140 | 170 | 260 | 7.3 |
| 18... | 1622 | 9 | 80513 | 80513 | 150 | 170 | 260 | 7.2 |
| 18... | 1624 | 9 | 80513 | 80513 | 160 | 170 | 265 | 7.2 |
| 18... | 1625 | 9 | 80513 | 80513 | 170 | 170 | 265 | 7.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 18... | 1550 | 20.0 | 160 | 4.1 | 7.8 | 88 | 747 |
| 18... | 1552 | 20.0 | -- | -- | 7.5 | -- | -- |
| 18... | 1554 | 20.0 | -- | -- | 7.3 | -- | -- |
| 18... | 1556 | 20.0 | -- | -- | 6.0 | -- | -- |
| 18... | 1558 | 19.0 | -- | -- | .3 | -- | -- |
| 18... | 1600 | 18.0 | -- | -- | .1 | -- | -- |
| 18... | 1602 | 17.5 | -- | -- | .1 | -- | -- |
| 18... | 1604 | 16.5 | -- | -- | .1 | -- | -- |
| 18... | 1606 | 16.0 | -- | -- | .5 | -- | -- |
| 18... | 1608 | 15.5 | -- | -- | .8 | -- | -- |
| 18... | 1610 | 15.0 | -- | -- | 1.3 | -- | -- |
| 18... | 1612 | 14.5 | -- | -- | 1.5 | -- | -- |
| 18... | 1614 | 13.5 | -- | -- | 1.8 | -- | -- |
| 18... | 1616 | 13.0 | -- | -- | 1.5 | -- | -- |
| 18... | 1618 | 12.0 | -- | -- | .9 | -- | -- |
| 18... | 1620 | 11.0 | -- | -- | .3 | -- | -- |
| 18... | 1622 | 10.5 | -- | -- | .1 | -- | -- |
| 18... | 1624 | 10.0 | -- | -- | .1 | -- | -- |
| 18... | 1625 | 9.5 | -- | -- | .1 | -- | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 15... | 0910 | 9 | 80513 | 80513 | .00 | 168 | 252 | 8.3 |
| 15... | 0912 | 9 | 80513 | 80513 | 10.0 | 168 | 240 | 8.2 |
| 15... | 0914 | 9 | 80513 | 80513 | 20.0 | 168 | 240 | 8.2 |
| 15... | 0916 | 9 | 80513 | 80513 | 30.0 | 168 | 240 | 8.0 |
| 15... | 0918 | 9 | 80513 | 80513 | 40.0 | 168 | 240 | 8.0 |
| 15... | 0920 | 9 | 80513 | 80513 | 50.0 | 168 | 240 | 8.0 |
| 15... | 0922 | 9 | 80513 | 80513 | 60.0 | 168 | 240 | 8.0 |
| 15... | 0924 | 9 | 80513 | 80513 | 70.0 | 168 | 240 | 8.0 |
| 15... | 0926 | 9 | 80513 | 80513 | 80.0 | 168 | 240 | 8.1 |
| 15... | 0928 | 9 | 80513 | 80513 | 90.0 | 168 | 240 | 8.1 |
| 15... | 0930 | 9 | 80513 | 80513 | 100 | 168 | 240 | 8.0 |
| 15... | 0932 | 9 | 80513 | 80513 | 110 | 168 | 250 | 8.0 |
| 15... | 0934 | 9 | 80513 | 80513 | 120 | 168 | 250 | 8.0 |
| 15... | 0936 | 9 | 80513 | 80513 | 130 | 168 | 260 | 8.0 |
| 15... | 0938 | 9 | 80513 | 80513 | 140 | 168 | 240 | 7.9 |
| 15... | 0940 | 9 | 80513 | 80513 | 150 | 168 | 250 | 7.9 |
| 15... | 0942 | 9 | 80513 | 80513 | 160 | 168 | 260 | 7.9 |
| 15... | 0945 | 9 | 80513 | 80513 | 168 | 168 | 260 | 7.9 |

| DATE | TIME | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 15... | 0910 | 15.0 | 150 | 3.8 | 6.4 | 64 | 753 |
| 15... | 0912 | 15.0 | -- | -- | 6.4 | -- | -- |
| 15... | 0914 | 15.0 | -- | -- | 6.4 | -- | -- |
| 15... | 0916 | 15.0 | -- | -- | 6.3 | -- | -- |
| 15... | 0918 | 15.0 | -- | -- | 6.3 | -- | -- |
| 15... | 0920 | 15.0 | -- | -- | 6.2 | -- | -- |
| 15... | 0922 | 15.0 | -- | -- | 6.2 | -- | -- |
| 15... | 0924 | 15.0 | -- | -- | 5.5 | -- | -- |
| 15... | 0926 | 15.0 | -- | -- | 4.5 | -- | -- |
| 15... | 0928 | 15.0 | -- | -- | 4.2 | -- | -- |
| 15... | 0930 | 15.0 | -- | -- | .8 | -- | -- |
| 15... | 0932 | 14.5 | -- | -- | 1.1 | -- | -- |
| 15... | 0934 | 13.5 | -- | -- | 1.3 | -- | -- |
| 15... | 0936 | 13.0 | -- | -- | 1.0 | -- | -- |
| 15... | 0938 | 12.5 | -- | -- | .3 | -- | -- |
| 15... | 0940 | 11.5 | -- | -- | .3 | -- | -- |
| 15... | 0942 | 10.5 | -- | -- | .2 | -- | -- |
| 15... | 0945 | 9.5 | -- | -- | .2 | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1600 | 9 | 80513 | 80513 | .00 | 174 | 260 | 7.9 | 12.0 | 12.0 |
| 08... | 1601 | 9 | 80513 | 80010 | 3.00 | 174 | -- | -- | -- | -- |
| 08... | 1602 | 9 | 80513 | 80513 | 10.0 | 174 | 255 | 7.9 | -- | 12.0 |
| 08... | 1604 | 9 | 80513 | 80513 | 20.0 | 174 | 255 | 7.9 | -- | 12.0 |
| 08... | 1605 | 9 | 80513 | 80010 | 25.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1608 | 9 | 80513 | 80513 | 30.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1610 | 9 | 80513 | 80513 | 40.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1612 | 9 | 80513 | 80513 | 50.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1614 | 9 | 80513 | 80513 | 60.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1616 | 9 | 80513 | 80513 | 70.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1618 | 9 | 80513 | 80513 | 80.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1619 | 9 | 80513 | 80513 | 90.0 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1620 | 9 | 80513 | 80010 | 100 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1622 | 9 | 80513 | 80513 | 110 | 174 | 260 | 7.9 | -- | 12.0 |
| 08... | 1624 | 9 | 80513 | 80513 | 120 | 174 | 260 | 7.8 | -- | 12.0 |
| 08... | 1626 | 9 | 80513 | 80513 | 130 | 174 | 260 | 7.8 | -- | 12.0 |
| 08... | 1628 | 9 | 80513 | 80513 | 140 | 174 | 260 | 7.8 | -- | 12.0 |
| 08... | 1630 | 9 | 80513 | 80513 | 150 | 174 | 265 | 7.7 | -- | 11.5 |
| 08... | 1632 | 9 | 80513 | 80513 | 160 | 174 | 275 | 7.5 | -- | 10.5 |
| 08... | 1634 | 9 | 80513 | 80513 | 170 | 174 | 275 | 7.4 | -- | 10.0 |
| 08... | 1635 | 9 | 80513 | 80513 | 174 | 174 | 275 | 7.4 | -- | 10.0 |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 184

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1600 | 144 | 3.7 | 9.0 | 85 | 749 | -- | -- | -- | 0 |
| 08... | 1601 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 08... | 1602 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1604 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1605 | -- | -- | 8.8 | 83 | 749 | 3 | 1.0 | .9 | -- |
| 08... | 1608 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1610 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1612 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1614 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1616 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1618 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1619 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1620 | -- | -- | 8.9 | 84 | 749 | 2 | 1.2 | 1.1 | -- |
| 08... | 1622 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1624 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1626 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1628 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 08... | 1630 | -- | -- | 5.1 | -- | -- | -- | -- | -- | -- |
| 08... | 1632 | -- | -- | .0 | -- | -- | -- | -- | -- | -- |
| 08... | 1634 | -- | -- | .0 | -- | -- | -- | -- | -- | -- |
| 08... | 1635 | -- | -- | .0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1605 | 260 | 142 | 140 | 34 | 85 | 43 | 120 | 6.0 | 7.2 |
| 08... | 1620 | 130 | 9 | 9 | 35 | 88 | 10 | 120 | 6.0 | 7.3 |

| DATE | TIME | 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) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1601 | -- | -- | -- | -- | -- | -- | -- | 1.20 | <.100 |
| 08... | 1605 | .200 | .140 | <.10 | .030 | .010 | 130 | 20 | -- | -- |
| 08... | 1620 | .200 | .110 | <.10 | .030 | .010 | 100 | 40 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 24... | 1610 | 9 | 80513 | 80513 | .00 | 169 | 270 | 8.2 |
| 24... | 1612 | 9 | 80513 | 80513 | 10.0 | 169 | 270 | 8.2 |
| 24... | 1614 | 9 | 80513 | 80513 | 20.0 | 169 | 270 | 8.2 |
| 24... | 1616 | 9 | 80513 | 80513 | 30.0 | 169 | 270 | 8.2 |
| 24... | 1618 | 9 | 80513 | 80513 | 40.0 | 169 | 270 | 8.2 |
| 24... | 1620 | 9 | 80513 | 80513 | 50.0 | 169 | 270 | 8.2 |
| 24... | 1622 | 9 | 80513 | 80513 | 60.0 | 169 | 270 | 8.2 |
| 24... | 1624 | 9 | 80513 | 80513 | 70.0 | 169 | 270 | 8.2 |
| 24... | 1626 | 9 | 80513 | 80513 | 80.0 | 169 | 270 | 8.2 |
| 24... | 1628 | 9 | 80513 | 80513 | 90.0 | 169 | 270 | 8.2 |
| 24... | 1630 | 9 | 80513 | 80513 | 100 | 169 | 270 | 8.2 |
| 24... | 1632 | 9 | 80513 | 80513 | 110 | 169 | 270 | 8.2 |
| 24... | 1634 | 9 | 80513 | 80513 | 120 | 169 | 270 | 8.2 |
| 24... | 1636 | 9 | 80513 | 80513 | 130 | 169 | 270 | 8.2 |
| 24... | 1637 | 9 | 80513 | 80513 | 140 | 169 | 270 | 8.2 |
| 24... | 1638 | 9 | 80513 | 80513 | 150 | 169 | 270 | 8.2 |
| 24... | 1639 | 9 | 80513 | 80513 | 160 | 169 | 275 | 8.2 |
| 24... | 1640 | 9 | 80513 | 80513 | 169 | 169 | 280 | 8.1 |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 24... | 1610 | 5.0 | 176 | 4.5 | 11.1 | 89 | 747 |
| 24... | 1612 | 5.0 | -- | -- | 11.0 | -- | -- |
| 24... | 1614 | 5.0 | -- | -- | 11.0 | -- | -- |
| 24... | 1616 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1618 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1620 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1622 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1624 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1626 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1628 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1630 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1632 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1634 | 5.0 | -- | -- | 10.9 | -- | -- |
| 24... | 1636 | 5.0 | -- | -- | 10.8 | -- | -- |
| 24... | 1637 | 4.5 | -- | -- | 10.8 | -- | -- |
| 24... | 1638 | 4.5 | -- | -- | 10.7 | -- | -- |
| 24... | 1639 | 4.5 | -- | -- | 10.5 | -- | -- |
| 24... | 1640 | 4.5 | -- | -- | 10.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 14... | 1110 | 9 | 80513 | 80513 | .00 | 170 | 270 | 8.4 |
| 14... | 1112 | 9 | 80513 | 80513 | 10.0 | 170 | 270 | 8.4 |
| 14... | 1114 | 9 | 80513 | 80513 | 20.0 | 170 | 270 | 8.4 |
| 14... | 1116 | 9 | 80513 | 80513 | 30.0 | 170 | 270 | 8.4 |
| 14... | 1118 | 9 | 80513 | 80513 | 40.0 | 170 | 270 | 8.4 |
| 14... | 1120 | 9 | 80513 | 80513 | 50.0 | 170 | 270 | 8.4 |
| 14... | 1122 | 9 | 80513 | 80513 | 60.0 | 170 | 270 | 8.4 |
| 14... | 1124 | 9 | 80513 | 80513 | 70.0 | 170 | 275 | 8.4 |
| 14... | 1126 | 9 | 80513 | 80513 | 80.0 | 170 | 275 | 8.4 |
| 14... | 1128 | 9 | 80513 | 80513 | 90.0 | 170 | 275 | 8.4 |
| 14... | 1130 | 9 | 80513 | 80513 | 100 | 170 | 275 | 8.4 |
| 14... | 1132 | 9 | 80513 | 80513 | 110 | 170 | 275 | 8.4 |
| 14... | 1134 | 9 | 80513 | 80513 | 120 | 170 | 275 | 8.4 |
| 14... | 1136 | 9 | 80513 | 80513 | 130 | 170 | 275 | 8.4 |
| 14... | 1137 | 9 | 80513 | 80513 | 140 | 170 | 275 | 8.4 |
| 14... | 1138 | 9 | 80513 | 80513 | 150 | 170 | 275 | 8.4 |
| 14... | 1139 | 9 | 80513 | 80513 | 160 | 170 | 275 | 8.4 |
| 14... | 1140 | 9 | 80513 | 80513 | 170 | 170 | 280 | 8.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 14... | 1110 | 5.5 | 168 | 4.3 | 11.6 | 94 | 747 |
| 14... | 1112 | 5.5 | -- | -- | 11.6 | -- | -- |
| 14... | 1114 | 5.5 | -- | -- | 11.7 | -- | -- |
| 14... | 1116 | 5.0 | -- | -- | 11.8 | -- | -- |
| 14... | 1118 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1120 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1122 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1124 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1126 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1128 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1130 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1132 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1134 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1136 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1137 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1138 | 5.0 | -- | -- | 11.6 | -- | -- |
| 14... | 1139 | 5.0 | -- | -- | 11.5 | -- | -- |
| 14... | 1140 | 5.0 | -- | -- | 11.0 | -- | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 27... | 1000 | 9 | 80513 | 80513 | .00 | 175 | 258 | 8.8 |
| 27... | 1002 | 9 | 80513 | 80513 | 10.0 | 175 | 258 | 8.8 |
| 27... | 1004 | 9 | 80513 | 80513 | 20.0 | 175 | 258 | 8.8 |
| 27... | 1006 | 9 | 80513 | 80513 | 30.0 | 175 | 258 | 8.8 |
| 27... | 1008 | 9 | 80513 | 80513 | 40.0 | 175 | 258 | 8.8 |
| 27... | 1010 | 9 | 80513 | 80513 | 50.0 | 175 | 258 | 8.8 |
| 27... | 1012 | 9 | 80513 | 80513 | 60.0 | 175 | 258 | 8.8 |
| 27... | 1014 | 9 | 80513 | 80513 | 70.0 | 175 | 258 | 8.8 |
| 27... | 1016 | 9 | 80513 | 80513 | 80.0 | 175 | 258 | 8.7 |
| 27... | 1018 | 9 | 80513 | 80513 | 90.0 | 175 | 258 | 8.7 |
| 27... | 1020 | 9 | 80513 | 80513 | 100 | 175 | 260 | 8.7 |
| 27... | 1022 | 9 | 80513 | 80513 | 110 | 175 | 260 | 8.7 |
| 27... | 1024 | 9 | 80513 | 80513 | 120 | 175 | 260 | 8.7 |
| 27... | 1026 | 9 | 80513 | 80513 | 130 | 175 | 260 | 8.7 |
| 27... | 1028 | 9 | 80513 | 80513 | 140 | 175 | 260 | 8.7 |
| 27... | 1030 | 9 | 80513 | 80513 | 150 | 175 | 260 | 8.7 |
| 27... | 1032 | 9 | 80513 | 80513 | 160 | 175 | 260 | 8.6 |
| 27... | 1034 | 9 | 80513 | 80513 | 170 | 175 | 260 | 8.6 |
| 27... | 1035 | 9 | 80513 | 80513 | 175 | 175 | 260 | 8.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 27... | 1000 | 8.0 | 160 | 4.1 | 12.1 | 106 | 735 |
| 27... | 1002 | 7.5 | -- | -- | 12.1 | -- | -- |
| 27... | 1004 | 7.0 | -- | -- | 12.1 | -- | -- |
| 27... | 1006 | 7.0 | -- | -- | 12.1 | -- | -- |
| 27... | 1008 | 7.0 | -- | -- | 12.0 | -- | -- |
| 27... | 1010 | 7.0 | -- | -- | 12.0 | -- | -- |
| 27... | 1012 | 7.0 | -- | -- | 12.0 | -- | -- |
| 27... | 1014 | 6.5 | -- | -- | 11.9 | -- | -- |
| 27... | 1016 | 6.5 | -- | -- | 11.9 | -- | -- |
| 27... | 1018 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1020 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1022 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1024 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1026 | 6.5 | -- | -- | 11.8 | -- | -- |
| 27... | 1028 | 6.5 | -- | -- | 11.7 | -- | -- |
| 27... | 1030 | 6.0 | -- | -- | 11.5 | -- | -- |
| 27... | 1032 | 6.0 | -- | -- | 11.4 | -- | -- |
| 27... | 1034 | 6.0 | -- | -- | 11.3 | -- | -- |
| 27... | 1035 | 6.0 | -- | -- | 11.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 25... | 0910 | 9 | 80513 | 80513 | .00 | 175 | 255 | 8.7 |
| 25... | 0912 | 9 | 80513 | 80513 | 10.0 | 175 | 255 | 8.7 |
| 25... | 0914 | 9 | 80513 | 80513 | 20.0 | 175 | 255 | 8.7 |
| 25... | 0916 | 9 | 80513 | 80513 | 30.0 | 175 | 255 | 8.7 |
| 25... | 0918 | 9 | 80513 | 80513 | 40.0 | 175 | 255 | 8.7 |
| 25... | 0920 | 9 | 80513 | 80513 | 50.0 | 175 | 260 | 8.8 |
| 25... | 0922 | 9 | 80513 | 80513 | 60.0 | 175 | 260 | 8.8 |
| 25... | 0924 | 9 | 80513 | 80513 | 70.0 | 175 | 260 | 8.8 |
| 25... | 0926 | 9 | 80513 | 80513 | 80.0 | 175 | 260 | 8.8 |
| 25... | 0928 | 9 | 80513 | 80513 | 90.0 | 175 | 260 | 8.7 |
| 25... | 0930 | 9 | 80513 | 80513 | 100 | 175 | 260 | 8.7 |
| 25... | 0932 | 9 | 80513 | 80513 | 110 | 175 | 260 | 8.7 |
| 25... | 0934 | 9 | 80513 | 80513 | 120 | 175 | 255 | 8.7 |
| 25... | 0936 | 9 | 80513 | 80513 | 130 | 175 | 255 | 8.6 |
| 25... | 0938 | 9 | 80513 | 80513 | 140 | 175 | 255 | 8.6 |
| 25... | 0940 | 9 | 80513 | 80513 | 150 | 175 | 255 | 8.6 |
| 25... | 0942 | 9 | 80513 | 80513 | 160 | 175 | 255 | 8.5 |
| 25... | 0944 | 9 | 80513 | 80513 | 170 | 175 | 255 | 8.5 |
| 25... | 0945 | 9 | 80513 | 80513 | 175 | 175 | 255 | 8.5 |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 25... | 0910 | 12.0 | 156 | 4.0 | 10.6 | 101 | 741 |
| 25... | 0912 | 11.0 | -- | -- | 10.7 | -- | -- |
| 25... | 0914 | 11.0 | -- | -- | 10.8 | -- | -- |
| 25... | 0916 | 11.0 | -- | -- | 11.0 | -- | -- |
| 25... | 0918 | 10.5 | -- | -- | 11.2 | -- | -- |
| 25... | 0920 | 10.5 | -- | -- | 11.4 | -- | -- |
| 25... | 0922 | 10.5 | -- | -- | 11.5 | -- | -- |
| 25... | 0924 | 10.5 | -- | -- | 11.6 | -- | -- |
| 25... | 0926 | 10.0 | -- | -- | 11.6 | -- | -- |
| 25... | 0928 | 10.0 | -- | -- | 11.6 | -- | -- |
| 25... | 0930 | 9.5 | -- | -- | 11.6 | -- | -- |
| 25... | 0932 | 9.0 | -- | -- | 11.6 | -- | -- |
| 25... | 0934 | 8.0 | -- | -- | 11.5 | -- | -- |
| 25... | 0936 | 7.5 | -- | -- | 11.5 | -- | -- |
| 25... | 0938 | 7.0 | -- | -- | 11.3 | -- | -- |
| 25... | 0940 | 6.5 | -- | -- | 11.1 | -- | -- |
| 25... | 0942 | 6.5 | -- | -- | 10.9 | -- | -- |
| 25... | 0944 | 6.5 | -- | -- | 10.8 | -- | -- |
| 25... | 0945 | 6.5 | -- | -- | 10.8 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 23... | 1630 | 9 | 80513 | 80513 | .00 | 177 | 260 | 8.5 | 24.0 | 20.5 | 220 |
| 23... | 1631 | 9 | 80513 | 80010 | 3.00 | 177 | -- | -- | -- | -- | -- |
| 23... | 1632 | 9 | 80513 | 80513 | 10.0 | 177 | 260 | 8.4 | -- | 20.0 | -- |
| 23... | 1634 | 9 | 80513 | 80513 | 20.0 | 177 | 260 | 8.5 | -- | 20.0 | -- |
| 23... | 1636 | 9 | 80513 | 80513 | 22.0 | 177 | 260 | 8.6 | -- | 19.0 | -- |
| 23... | 1638 | 9 | 80513 | 80513 | 23.0 | 177 | 255 | 8.6 | -- | 17.5 | -- |
| 23... | 1639 | 9 | 80513 | 80513 | 24.0 | 177 | 255 | 8.6 | -- | 16.5 | -- |
| 23... | 1640 | 9 | 80513 | 80010 | 25.0 | 177 | 255 | 8.5 | -- | 15.5 | -- |
| 23... | 1642 | 9 | 80513 | 80513 | 30.0 | 177 | 255 | 8.4 | -- | 14.5 | -- |
| 23... | 1644 | 9 | 80513 | 80513 | 40.0 | 177 | 255 | 8.2 | -- | 13.5 | -- |
| 23... | 1646 | 9 | 80513 | 80513 | 50.0 | 177 | 255 | 8.1 | -- | 12.5 | -- |
| 23... | 1648 | 9 | 80513 | 80513 | 60.0 | 177 | 255 | 8.1 | -- | 12.0 | -- |
| 23... | 1650 | 9 | 80513 | 80513 | 70.0 | 177 | 255 | 8.0 | -- | 11.0 | -- |
| 23... | 1652 | 9 | 80513 | 80513 | 80.0 | 177 | 255 | 8.0 | -- | 10.5 | -- |
| 23... | 1654 | 9 | 80513 | 80513 | 90.0 | 177 | 255 | 8.0 | -- | 10.0 | -- |
| 23... | 1655 | 9 | 80513 | 80010 | 100 | 177 | 255 | 8.0 | -- | 9.5 | -- |
| 23... | 1658 | 9 | 80513 | 80513 | 110 | 177 | 255 | 8.0 | -- | 9.0 | -- |
| 23... | 1700 | 9 | 80513 | 80513 | 120 | 177 | 255 | 8.0 | -- | 8.5 | -- |
| 23... | 1702 | 9 | 80513 | 80513 | 130 | 177 | 255 | 7.9 | -- | 7.5 | -- |
| 23... | 1704 | 9 | 80513 | 80513 | 140 | 177 | 250 | 7.9 | -- | 7.0 | -- |
| 23... | 1706 | 9 | 80513 | 80513 | 150 | 177 | 250 | 7.8 | -- | 6.5 | -- |
| 23... | 1708 | 9 | 80513 | 80513 | 160 | 177 | 255 | 7.8 | -- | 6.5 | -- |
| 23... | 1709 | 9 | 80513 | 80513 | 170 | 177 | 255 | 7.8 | -- | 6.5 | -- |
| 23... | 1710 | 9 | 80513 | 80513 | 177 | 177 | 255 | 7.7 | -- | 6.5 | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 23... | 1630 | 5.6 | 10.2 | 115 | 752 | -- | -- | -- | 0 | -- |
| 23... | 1631 | -- | -- | -- | 752 | -- | -- | -- | -- | -- |
| 23... | 1632 | -- | 10.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1634 | -- | 10.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1636 | -- | 10.6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1638 | -- | 11.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1639 | -- | 11.6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1640 | -- | 11.4 | 116 | 752 | <1 | <1.0 | .6 | -- | 130 |
| 23... | 1642 | -- | 10.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1644 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1646 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1648 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1650 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1652 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1654 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1655 | -- | 9.3 | 83 | 752 | 3 | <1.0 | .7 | -- | 130 |
| 23... | 1658 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1700 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1702 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1704 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1706 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1708 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1709 | -- | 8.5 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1710 | -- | 8.1 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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... | 1631 | .300 | .070 | 1.5 | 1.6 | 1.9 | <.010 | <.010 | <.100 | <.100 |
| 23... | 1640 | .200 | .120 | .58 | .70 | .90 | <.010 | <.010 | -- | -- |
| 23... | 1655 | .200 | .040 | 1.1 | 1.1 | 1.3 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 27... | 0900 | 9 | 80513 | 80513 | .00 | 177 | 265 | 8.7 |
| 27... | 0902 | 9 | 80513 | 80513 | 10.0 | 177 | 265 | 8.7 |
| 27... | 0904 | 9 | 80513 | 80513 | 14.0 | 177 | 260 | 8.7 |
| 27... | 0906 | 9 | 80513 | 80513 | 16.0 | 177 | 260 | 8.7 |
| 27... | 0908 | 9 | 80513 | 80513 | 18.0 | 177 | 260 | 8.7 |
| 27... | 0910 | 9 | 80513 | 80513 | 20.0 | 177 | 260 | 8.7 |
| 27... | 0912 | 9 | 80513 | 80513 | 22.0 | 177 | 260 | 8.8 |
| 27... | 0914 | 9 | 80513 | 80513 | 23.0 | 177 | 260 | 8.8 |
| 27... | 0916 | 9 | 80513 | 80513 | 24.0 | 177 | 265 | 8.8 |
| 27... | 0918 | 9 | 80513 | 80513 | 26.0 | 177 | 265 | 8.7 |
| 27... | 0920 | 9 | 80513 | 80513 | 28.0 | 177 | 265 | 8.7 |
| 27... | 0922 | 9 | 80513 | 80513 | 30.0 | 177 | 270 | 8.6 |
| 27... | 0924 | 9 | 80513 | 80513 | 33.0 | 177 | 270 | 8.6 |
| 27... | 0926 | 9 | 80513 | 80513 | 38.0 | 177 | 270 | 8.4 |
| 27... | 0928 | 9 | 80513 | 80513 | 40.0 | 177 | 270 | 8.4 |
| 27... | 0930 | 9 | 80513 | 80513 | 50.0 | 177 | 270 | 8.2 |
| 27... | 0932 | 9 | 80513 | 80513 | 60.0 | 177 | 270 | 8.2 |
| 27... | 0934 | 9 | 80513 | 80513 | 70.0 | 177 | 270 | 8.1 |
| 27... | 0936 | 9 | 80513 | 80513 | 80.0 | 177 | 270 | 8.1 |
| 27... | 0938 | 9 | 80513 | 80513 | 90.0 | 177 | 270 | 8.1 |
| 27... | 0940 | 9 | 80513 | 80513 | 100 | 177 | 270 | 8.1 |
| 27... | 0942 | 9 | 80513 | 80513 | 110 | 177 | 270 | 8.1 |
| 27... | 0944 | 9 | 80513 | 80513 | 120 | 177 | 270 | 8.1 |
| 27... | 0946 | 9 | 80513 | 80513 | 130 | 177 | 270 | 8.1 |
| 27... | 0948 | 9 | 80513 | 80513 | 140 | 177 | 265 | 8.1 |
| 27... | 0950 | 9 | 80513 | 80513 | 150 | 177 | 265 | 8.0 |
| 27... | 0952 | 9 | 80513 | 80513 | 160 | 177 | 265 | 8.0 |
| 27... | 0954 | 9 | 80513 | 80513 | 170 | 177 | 265 | 7.9 |
| 27... | 0955 | 9 | 80513 | 80513 | 177 | 177 | 270 | 7.9 |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 27... | 0900 | 27.0 | 222 | 5.6 | 8.4 | 108 | 744 |
| 27... | 0902 | 27.0 | -- | -- | 8.4 | -- | -- |
| 27... | 0904 | 26.0 | -- | -- | 10.6 | -- | -- |
| 27... | 0906 | 25.0 | -- | -- | 11.1 | -- | -- |
| 27... | 0908 | 24.0 | -- | -- | 11.5 | -- | -- |
| 27... | 0910 | 23.0 | -- | -- | 11.5 | -- | -- |
| 27... | 0912 | 22.0 | -- | -- | 11.4 | -- | -- |
| 27... | 0914 | 21.0 | -- | -- | 10.9 | -- | -- |
| 27... | 0916 | 20.0 | -- | -- | 10.6 | -- | -- |
| 27... | 0918 | 19.0 | -- | -- | 10.1 | -- | -- |
| 27... | 0920 | 18.0 | -- | -- | 9.6 | -- | -- |
| 27... | 0922 | 17.0 | -- | -- | 9.1 | -- | -- |
| 27... | 0924 | 16.0 | -- | -- | 8.7 | -- | -- |
| 27... | 0926 | 15.0 | -- | -- | 8.0 | -- | -- |
| 27... | 0928 | 14.5 | -- | -- | 7.7 | -- | -- |
| 27... | 0930 | 13.5 | -- | -- | 7.0 | -- | -- |
| 27... | 0932 | 12.5 | -- | -- | 6.7 | -- | -- |
| 27... | 0934 | 12.0 | -- | -- | 6.8 | -- | -- |
| 27... | 0936 | 11.5 | -- | -- | 7.0 | -- | -- |
| 27... | 0938 | 11.0 | -- | -- | 7.2 | -- | -- |
| 27... | 0940 | 10.5 | -- | -- | 7.4 | -- | -- |
| 27... | 0942 | 10.0 | -- | -- | 7.5 | -- | -- |
| 27... | 0944 | 9.5 | -- | -- | 7.5 | -- | -- |
| 27... | 0946 | 8.5 | -- | -- | 7.5 | -- | -- |
| 27... | 0948 | 7.5 | -- | -- | 7.4 | -- | -- |
| 27... | 0950 | 7.5 | -- | -- | 7.2 | -- | -- |
| 27... | 0952 | 7.0 | -- | -- | 7.1 | -- | -- |
| 27... | 0954 | 7.0 | -- | -- | 6.7 | -- | -- |
| 27... | 0955 | 7.0 | -- | -- | 5.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 18... | 0900 | 9 | 80513 | 80513 | .00 | 175 | 235 | 8.7 | 28.5 | 230 |
| 18... | 0901 | 9 | 80513 | 80010 | 3.00 | 175 | 235 | 8.7 | 28.5 | -- |
| 18... | 0902 | 9 | 80513 | 80513 | 10.0 | 175 | 235 | 8.6 | 28.5 | -- |
| 18... | 0904 | 9 | 80513 | 80513 | 20.0 | 175 | 235 | 8.6 | 28.5 | -- |
| 18... | 0906 | 9 | 80513 | 80513 | 25.0 | 175 | 230 | 8.7 | 27.5 | -- |
| 18... | 0908 | 9 | 80513 | 80513 | 26.0 | 175 | 225 | 8.7 | 25.5 | -- |
| 18... | 0910 | 9 | 80513 | 80513 | 27.0 | 175 | 225 | 8.7 | 23.5 | -- |
| 18... | 0912 | 9 | 80513 | 80513 | 28.0 | 175 | 225 | 8.7 | 22.5 | -- |
| 18... | 0914 | 9 | 80513 | 80513 | 30.0 | 175 | 230 | 8.7 | 21.5 | -- |
| 18... | 0916 | 9 | 80513 | 80513 | 32.0 | 175 | 240 | 8.6 | 20.5 | -- |
| 18... | 0918 | 9 | 80513 | 80513 | 34.0 | 175 | 240 | 8.6 | 19.5 | -- |
| 18... | 0920 | 9 | 80513 | 80513 | 36.0 | 175 | 245 | 8.6 | 18.5 | -- |
| 18... | 0922 | 9 | 80513 | 80513 | 38.0 | 175 | 245 | 8.6 | 17.5 | -- |
| 18... | 0924 | 9 | 80513 | 80513 | 40.0 | 175 | 245 | 8.5 | 17.0 | -- |
| 18... | 0926 | 9 | 80513 | 80513 | 43.0 | 175 | 250 | 8.4 | 16.0 | -- |
| 18... | 0928 | 9 | 80513 | 80513 | 50.0 | 175 | 250 | 8.3 | 15.0 | -- |
| 18... | 0930 | 9 | 80513 | 80513 | 60.0 | 175 | 250 | 8.1 | 14.0 | -- |
| 18... | 0932 | 9 | 80513 | 80513 | 70.0 | 175 | 250 | 8.1 | 13.0 | -- |
| 18... | 0934 | 9 | 80513 | 80513 | 80.0 | 175 | 250 | 8.1 | 12.0 | -- |
| 18... | 0936 | 9 | 80513 | 80513 | 90.0 | 175 | 250 | 8.0 | 11.5 | -- |
| 18... | 0938 | 9 | 80513 | 80513 | 100 | 175 | 250 | 8.0 | 11.0 | -- |
| 18... | 0940 | 9 | 80513 | 80513 | 110 | 175 | 250 | 8.0 | 10.0 | -- |
| 18... | 0942 | 9 | 80513 | 80513 | 120 | 175 | 250 | 8.0 | 9.0 | -- |
| 18... | 0944 | 9 | 80513 | 80513 | 130 | 175 | 250 | 8.0 | 8.5 | -- |
| 18... | 0946 | 9 | 80513 | 80513 | 140 | 175 | 250 | 8.0 | 8.0 | -- |
| 18... | 0948 | 9 | 80513 | 80513 | 150 | 175 | 250 | 8.0 | 7.5 | -- |
| 18... | 0950 | 9 | 80513 | 80513 | 160 | 175 | 250 | 8.0 | 7.5 | -- |
| 18... | 0952 | 9 | 80513 | 80513 | 170 | 175 | 250 | 8.0 | 7.0 | -- |
| 18... | 0955 | 9 | 80513 | 80513 | 175 | 175 | 255 | 7.9 | 7.0 | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 18... | 0900 | 5.8 | 7.8 | 103 | 748 | -- | -- | -- | -- |
| 18... | 0901 | -- | 7.8 | 103 | 748 | <.010 | <.010 | .600 | <.100 |
| 18... | 0902 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 18... | 0904 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 18... | 0906 | -- | 10.4 | -- | -- | -- | -- | -- | -- |
| 18... | 0908 | -- | 13.2 | -- | -- | -- | -- | -- | -- |
| 18... | 0910 | -- | 13.7 | -- | -- | -- | -- | -- | -- |
| 18... | 0912 | -- | 13.6 | -- | -- | -- | -- | -- | -- |
| 18... | 0914 | -- | 13.2 | -- | -- | -- | -- | -- | -- |
| 18... | 0916 | -- | 10.9 | -- | -- | -- | -- | -- | -- |
| 18... | 0918 | -- | 10.1 | -- | -- | -- | -- | -- | -- |
| 18... | 0920 | -- | 9.4 | -- | -- | -- | -- | -- | -- |
| 18... | 0922 | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 18... | 0924 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 18... | 0926 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 18... | 0928 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 18... | 0930 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 18... | 0932 | -- | 6.1 | -- | -- | -- | -- | -- | -- |
| 18... | 0934 | -- | 6.2 | -- | -- | -- | -- | -- | -- |
| 18... | 0936 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 18... | 0938 | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 18... | 0940 | -- | 7.1 | -- | -- | -- | -- | -- | -- |
| 18... | 0942 | -- | 7.1 | -- | -- | -- | -- | -- | -- |
| 18... | 0944 | -- | 6.9 | -- | -- | -- | -- | -- | -- |
| 18... | 0946 | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 18... | 0948 | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 18... | 0950 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 18... | 0952 | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 18... | 0955 | -- | 5.0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 15... | 1750 | 9 | 80513 | 80513 | .00 | 175 | 245 | 8.7 | 31.0 |
| 15... | 1751 | 9 | 80513 | 80010 | 3.00 | 175 | -- | -- | -- |
| 15... | 1752 | 9 | 80513 | 80513 | 10.0 | 175 | 245 | 8.7 | -- |
| 15... | 1754 | 9 | 80513 | 80513 | 18.0 | 175 | 245 | 8.7 | -- |
| 15... | 1756 | 9 | 80513 | 80513 | 20.0 | 175 | 240 | 8.7 | -- |
| 15... | 1758 | 9 | 80513 | 80513 | 22.0 | 175 | 240 | 8.7 | -- |
| 15... | 1759 | 9 | 80513 | 80513 | 24.0 | 175 | 230 | 8.7 | -- |
| 15... | 1800 | 9 | 80513 | 80010 | 25.0 | 175 | 230 | 8.7 | -- |
| 15... | 1802 | 9 | 80513 | 80513 | 26.0 | 175 | 230 | 8.7 | -- |
| 15... | 1804 | 9 | 80513 | 80513 | 27.0 | 175 | 235 | 8.7 | -- |
| 15... | 1806 | 9 | 80513 | 80513 | 30.0 | 175 | 235 | 8.6 | -- |
| 15... | 1808 | 9 | 80513 | 80513 | 32.0 | 175 | 245 | 8.6 | -- |
| 15... | 1810 | 9 | 80513 | 80513 | 34.0 | 175 | 250 | 8.5 | -- |
| 15... | 1812 | 9 | 80513 | 80513 | 36.0 | 175 | 255 | 8.5 | -- |
| 15... | 1814 | 9 | 80513 | 80513 | 40.0 | 175 | 260 | 8.3 | -- |
| 15... | 1816 | 9 | 80513 | 80513 | 50.0 | 175 | 260 | 8.1 | -- |
| 15... | 1818 | 9 | 80513 | 80513 | 60.0 | 175 | 260 | 7.9 | -- |
| 15... | 1820 | 9 | 80513 | 80513 | 70.0 | 175 | 260 | 7.9 | -- |
| 15... | 1822 | 9 | 80513 | 80513 | 80.0 | 175 | 255 | 7.8 | -- |
| 15... | 1824 | 9 | 80513 | 80513 | 90.0 | 175 | 255 | 7.8 | -- |
| 15... | 1825 | 9 | 80513 | 80010 | 100 | 175 | 255 | 7.8 | -- |
| 15... | 1826 | 9 | 80513 | 80513 | 110 | 175 | 255 | 7.8 | -- |
| 15... | 1828 | 9 | 80513 | 80513 | 120 | 175 | 260 | 7.8 | -- |
| 15... | 1830 | 9 | 80513 | 80513 | 130 | 175 | 260 | 7.7 | -- |
| 15... | 1832 | 9 | 80513 | 80513 | 140 | 175 | 260 | 7.7 | -- |
| 15... | 1834 | 9 | 80513 | 80513 | 150 | 175 | 260 | 7.7 | -- |
| 15... | 1836 | 9 | 80513 | 80513 | 160 | 175 | 260 | 7.6 | -- |
| 15... | 1838 | 9 | 80513 | 80513 | 170 | 175 | 260 | 7.6 | -- |
| 15... | 1840 | 9 | 80513 | 80513 | 175 | 175 | 265 | 7.6 | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 15... | 1750 | 28.5 | 253 | 6.4 | 8.0 | 105 | 749 | -- | -- |
| 15... | 1751 | -- | -- | -- | -- | -- | 749 | -- | -- |
| 15... | 1752 | 28.5 | -- | -- | 8.1 | -- | -- | -- | -- |
| 15... | 1754 | 27.5 | -- | -- | 9.0 | -- | -- | -- | -- |
| 15... | 1756 | 26.5 | -- | -- | 9.2 | -- | -- | -- | -- |
| 15... | 1758 | 25.5 | -- | -- | 11.9 | -- | -- | -- | -- |
| 15... | 1759 | 24.5 | -- | -- | 14.8 | -- | -- | -- | -- |
| 15... | 1800 | 24.0 | -- | -- | 15.4 | 186 | 749 | 3 | .20 |
| 15... | 1802 | 23.0 | -- | -- | 15.2 | -- | -- | -- | -- |
| 15... | 1804 | 22.0 | -- | -- | 15.0 | -- | -- | -- | -- |
| 15... | 1806 | 21.0 | -- | -- | 13.6 | -- | -- | -- | -- |
| 15... | 1808 | 20.0 | -- | -- | 11.7 | -- | -- | -- | -- |
| 15... | 1810 | 19.0 | -- | -- | 10.8 | -- | -- | -- | -- |
| 15... | 1812 | 18.0 | -- | -- | 9.4 | -- | -- | -- | -- |
| 15... | 1814 | 17.0 | -- | -- | 7.6 | -- | -- | -- | -- |
| 15... | 1816 | 16.0 | -- | -- | 5.9 | -- | -- | -- | -- |
| 15... | 1818 | 15.0 | -- | -- | 4.7 | -- | -- | -- | -- |
| 15... | 1820 | 14.0 | -- | -- | 4.5 | -- | -- | -- | -- |
| 15... | 1822 | 13.0 | -- | -- | 4.7 | -- | -- | -- | -- |
| 15... | 1824 | 12.0 | -- | -- | 4.9 | -- | -- | -- | -- |
| 15... | 1825 | 11.5 | -- | -- | 5.2 | 49 | 749 | 2 | .50 |
| 15... | 1826 | 11.0 | -- | -- | 5.4 | -- | -- | -- | -- |
| 15... | 1828 | 10.0 | -- | -- | 5.7 | -- | -- | -- | -- |
| 15... | 1830 | 9.5 | -- | -- | 5.5 | -- | -- | -- | -- |
| 15... | 1832 | 9.0 | -- | -- | 5.1 | -- | -- | -- | -- |
| 15... | 1834 | 8.0 | -- | -- | 4.2 | -- | -- | -- | -- |
| 15... | 1836 | 7.0 | -- | -- | 4.0 | -- | -- | -- | -- |
| 15... | 1838 | 6.0 | -- | -- | 3.1 | -- | -- | -- | -- |
| 15... | 1840 | 6.0 | -- | -- | 1.7 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 15... | 1750 | -- | 0 | -- | -- | -- | -- | -- | -- |
| 15... | 1751 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 15... | 1800 | .9 | -- | 114 | <.100 | <.010 | <.010 | -- | -- |
| 15... | 1825 | .6 | -- | 128 | .400 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 19... | 0930 | 9 | 80513 | 80513 | .00 | 172 | 230 | 8.9 | 24.0 | 223 |
| 19... | 0931 | 9 | 80513 | 80010 | 3.00 | 172 | 230 | 8.9 | 24.0 | -- |
| 19... | 0932 | 9 | 80513 | 80513 | 10.0 | 172 | 230 | 8.9 | 24.0 | -- |
| 19... | 0934 | 9 | 80513 | 80513 | 20.0 | 172 | 230 | 8.9 | 24.0 | -- |
| 19... | 0936 | 9 | 80513 | 80513 | 30.0 | 172 | 235 | 8.8 | 23.0 | -- |
| 19... | 0938 | 9 | 80513 | 80513 | 32.0 | 172 | 240 | 8.8 | 22.0 | -- |
| 19... | 0940 | 9 | 80513 | 80513 | 33.0 | 172 | 240 | 8.8 | 21.0 | -- |
| 19... | 0942 | 9 | 80513 | 80513 | 36.0 | 172 | 245 | 8.7 | 20.0 | -- |
| 19... | 0944 | 9 | 80513 | 80513 | 40.0 | 172 | 250 | 8.6 | 19.0 | -- |
| 19... | 0946 | 9 | 80513 | 80513 | 43.0 | 172 | 255 | 8.4 | 18.0 | -- |
| 19... | 0948 | 9 | 80513 | 80513 | 47.0 | 172 | 260 | 8.2 | 17.0 | -- |
| 19... | 0950 | 9 | 80513 | 80513 | 50.0 | 172 | 260 | 8.1 | 16.5 | -- |
| 19... | 0952 | 9 | 80513 | 80513 | 60.0 | 172 | 260 | 8.0 | 15.5 | -- |
| 19... | 0954 | 9 | 80513 | 80513 | 70.0 | 172 | 260 | 8.0 | 14.5 | -- |
| 19... | 0956 | 9 | 80513 | 80513 | 80.0 | 172 | 260 | 8.0 | 14.0 | -- |
| 19... | 0958 | 9 | 80513 | 80513 | 90.0 | 172 | 255 | 8.0 | 13.0 | -- |
| 19... | 1000 | 9 | 80513 | 80513 | 100 | 172 | 255 | 8.0 | 12.5 | -- |
| 19... | 1002 | 9 | 80513 | 80513 | 110 | 172 | 255 | 8.0 | 11.5 | -- |
| 19... | 1004 | 9 | 80513 | 80513 | 120 | 172 | 255 | 8.0 | 11.0 | -- |
| 19... | 1006 | 9 | 80513 | 80513 | 130 | 172 | 255 | 8.0 | 10.0 | -- |
| 19... | 1008 | 9 | 80513 | 80513 | 140 | 172 | 255 | 7.9 | 9.5 | -- |
| 19... | 1010 | 9 | 80513 | 80513 | 150 | 172 | 260 | 7.9 | 9.0 | -- |
| 19... | 1012 | 9 | 80513 | 80513 | 160 | 172 | 260 | 7.9 | 8.5 | -- |
| 19... | 1014 | 9 | 80513 | 80513 | 170 | 172 | 260 | 7.8 | 8.0 | -- |
| 19... | 1015 | 9 | 80513 | 80513 | 172 | 172 | 260 | 7.8 | 8.0 | -- |

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 19... | 0930 | 5.7 | 8.5 | 102 | 752 | -- | -- | -- | -- |
| 19... | 0931 | -- | 8.5 | 102 | 752 | <.010 | <.010 | .900 | <.100 |
| 19... | 0932 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 19... | 0934 | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 19... | 0936 | -- | 10.0 | -- | -- | -- | -- | -- | -- |
| 19... | 0938 | -- | 11.1 | -- | -- | -- | -- | -- | -- |
| 19... | 0940 | -- | 11.1 | -- | -- | -- | -- | -- | -- |
| 19... | 0942 | -- | 10.4 | -- | -- | -- | -- | -- | -- |
| 19... | 0944 | -- | 8.3 | -- | -- | -- | -- | -- | -- |
| 19... | 0946 | -- | 6.5 | -- | -- | -- | -- | -- | -- |
| 19... | 0948 | -- | 4.2 | -- | -- | -- | -- | -- | -- |
| 19... | 0950 | -- | 3.3 | -- | -- | -- | -- | -- | -- |
| 19... | 0952 | -- | 2.3 | -- | -- | -- | -- | -- | -- |
| 19... | 0954 | -- | 2.5 | -- | -- | -- | -- | -- | -- |
| 19... | 0956 | -- | 2.9 | -- | -- | -- | -- | -- | -- |
| 19... | 0958 | -- | 3.3 | -- | -- | -- | -- | -- | -- |
| 19... | 1000 | -- | 3.6 | -- | -- | -- | -- | -- | -- |
| 19... | 1002 | -- | 3.9 | -- | -- | -- | -- | -- | -- |
| 19... | 1004 | -- | 3.9 | -- | -- | -- | -- | -- | -- |
| 19... | 1006 | -- | 3.7 | -- | -- | -- | -- | -- | -- |
| 19... | 1008 | -- | 2.9 | -- | -- | -- | -- | -- | -- |
| 19... | 1010 | -- | 2.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1012 | -- | 1.3 | -- | -- | -- | -- | -- | -- |
| 19... | 1014 | -- | .3 | -- | -- | -- | -- | -- | -- |
| 19... | 1015 | -- | .3 | -- | -- | -- | -- | -- | -- |

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

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1530 | 9 | 80513 | 80513 | 1300 | 265 | 7.6 | 13.0 | 3.9 |
| NOV 15... | 0840 | 9 | 80513 | 80513 | 1260 | 160 | 7.7 | 13.0 | 4.0 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 08... | 1720 | 9 | 80513 | 80010 | 14800 | 225 | 7.9 | 13.0 | 12.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 08... | 1720 | 9.1 | 85 | 753 | 3 | 1.4 | .8 | 1 | 130 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 08... | 1720 | 11 | 11 | 36 | 90 | 10 | 120 | 6.0 | 7.0 |

| DATE | TIME | 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) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|
| DEC 08... | 1720 | .200 | .130 | <.10 | .030 | <.010 | 120 | 60 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 24... | 1650 | 9 | 80513 | 80513 | 1210 | 265 | 8.3 | 5.0 | 11.6 |
| FEB 14... | 1150 | 9 | 80513 | 80513 | 760 | 275 | 8.6 | 6.0 | 13.8 |
| MAR 27... | 0930 | 9 | 80513 | 80513 | 18500 | 260 | 8.7 | 6.5 | 11.8 |
| APR 25... | 1000 | 9 | 80513 | 80513 | 20000 | 250 | 8.6 | 8.5 | 10.4 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 23... | 1720 | 9 | 80513 | 80010 | 6690 | 255 | 8.1 | 24.5 | 9.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 23... | 1720 | 9.2 | 80 | 757 | 2 | <1.0 | .5 | 3 | 120 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY 23... | 1720 | .600 | .080 | .72 | .80 | 1.4 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 27... | 0830 | 9 | 80513 | 80513 | 2340 | 265 | 7.9 | 9.5 | 9.2 |
| JUL 18... | 0950 | 9 | 80513 | 80513 | 4540 | 255 | 8.2 | 10.5 | 9.3 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 15... | 1830 | 9 | 80513 | 80010 | 7980 | 255 | 7.9 | 29.5 | 11.0 | 5.4 | 50 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 15... | 1830 | 754 | 2 | .20 | 1.2 | 1 | 124 | .400 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 19... | 1030 | 9 | 80513 | 80513 | 1870 | 260 | 9.2 | 11.5 | 7.1 |

07055565 CROOKED CREEK AT HARRISON, AR

LOCATION.--Lat 36°14'04", long 93°05'26", in SW 1/4 SE 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 21... | 1300 | 9 | 9827 | 9827 | 7.6 | 24.0 | 14.0 | 7.0 | 10.2 | 5 | 1.5 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1345 | 9 | 9827 | 9827 | 7.7 | 13.0 | 7.0 | 4.6 | 14.6 | 2 | 1.3 |
| FEB | | | | | | | | | | | |
| 07... | 1250 | 9 | 9827 | 9827 | 7.6 | 17.0 | 8.0 | 3.0 | 13.3 | 7 | 2.1 |
| MAR | | | | | | | | | | | |
| 06... | 1320 | 9 | 9827 | 9827 | 7.4 | 15.0 | 10.0 | 15 | 10.8 | 6 | 1.3 |
| 20... | 1240 | 9 | 9827 | 9827 | 7.6 | 15.0 | 11.0 | 8.4 | 11.3 | <1 | 1.6 |
| APR | | | | | | | | | | | |
| 17... | 1300 | 9 | 9827 | 9827 | 7.8 | 18.0 | 15.0 | 3.0 | 12.9 | 3 | 1.1 |
| MAY | | | | | | | | | | | |
| 15... | 1535 | 9 | 9827 | 9827 | 7.8 | 24.0 | 19.0 | 4.0 | 11.0 | 5 | 1.4 |
| JUN | | | | | | | | | | | |
| 12... | 1315 | 9 | 9827 | 9827 | 7.7 | 33.0 | 25.0 | 6.8 | 9.6 | 3 | 1.7 |
| JUL | | | | | | | | | | | |
| 24... | 1050 | 9 | 9827 | 9827 | 7.7 | 31.0 | 22.0 | 20 | 8.7 | <1 | 2.0 |
| AUG | | | | | | | | | | | |
| 21... | 1110 | 9 | 9827 | 9827 | 7.6 | 33.0 | 23.0 | 20 | 8.8 | 4 | 2.1 |
| SEP | | | | | | | | | | | |
| 18... | 1110 | 9 | 9827 | 9827 | 7.8 | 27.0 | 18.0 | 20 | 8.9 | 4 | 1.5 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1300 | 130 | 5.0 | 8.0 | 200 | .27 | 10 | 1.2 | <.010 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1345 | 28 | 5.0 | 13 | 203 | .28 | 6 | 1.8 | .060 | -- |
| FEB | | | | | | | | | | |
| 07... | 1250 | 24 | 7.0 | 9.0 | 207 | .28 | 6 | 1.6 | .010 | .69 |
| MAR | | | | | | | | | | |
| 06... | 1320 | 490 | 7.0 | 5.5 | 148 | .20 | 20 | 1.5 | .050 | .55 |
| 20... | 1240 | 510 | 5.0 | 4.5 | 140 | .19 | 6 | 1.3 | .070 | -- |
| APR | | | | | | | | | | |
| 17... | 1300 | 10 | 4.0 | 4.5 | 168 | .23 | 3 | 1.3 | .030 | -- |
| MAY | | | | | | | | | | |
| 15... | 1535 | 240 | 11 | 4.5 | 184 | .25 | 6 | 1.1 | <.010 | -- |
| JUN | | | | | | | | | | |
| 12... | 1315 | 100 | 3.0 | 6.0 | 195 | .27 | 15 | 3.4 | .010 | .39 |
| JUL | | | | | | | | | | |
| 24... | 1050 | 1500 | 5.0 | 6.5 | 208 | .28 | 24 | 1.4 | .060 | -- |
| AUG | | | | | | | | | | |
| 21... | 1110 | 2200 | 4.0 | 7.5 | 191 | .26 | 20 | 1.5 | .040 | -- |
| SEP | | | | | | | | | | |
| 18... | 1110 | 12 | 3.0 | 6.5 | 219 | .30 | 19 | 1.5 | .030 | -- |

07055565 CROOKED CREEK AT HARRISON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1300 | .20 | 1.4 | 6.2 | .040 | .030 | 0 | <1 | <10 | 1 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1345 | <.10 | -- | -- | .040 | .040 | 0 | <1 | <10 | <1 |
| FEB | | | | | | | | | | |
| 07... | 1250 | .70 | 2.3 | 10 | .040 | .070 | 0 | <1 | <10 | <1 |
| MAR | | | | | | | | | | |
| 06... | 1320 | .60 | 2.1 | 9.3 | .080 | -- | 0 | <1 | <10 | <1 |
| 20... | 1240 | <.10 | -- | -- | -- | .020 | -- | <1 | <10 | <1 |
| APR | | | | | | | | | | |
| 17... | 1300 | -- | -- | -- | .030 | .010 | -- | 2 | <10 | <1 |
| MAY | | | | | | | | | | |
| 15... | 1535 | .10 | 1.2 | 5.3 | .040 | .010 | 0 | <1 | <10 | <1 |
| JUN | | | | | | | | | | |
| 12... | 1315 | .40 | 3.8 | 17 | -- | .040 | -- | <1 | <10 | <1 |
| JUL | | | | | | | | | | |
| 24... | 1050 | -- | -- | -- | .060 | .040 | 0 | 1 | -- | <1 |
| AUG | | | | | | | | | | |
| 21... | 1110 | -- | -- | -- | .050 | .030 | 0 | 2 | <10 | <1 |
| SEP | | | | | | | | | | |
| 18... | 1110 | <.10 | -- | -- | .050 | .030 | -- | 2 | <10 | <1 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1300 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1345 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 1250 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 1320 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 1240 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 1300 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 1315 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 1050 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 1110 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 18... | 1110 | 10 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |

07055569 CROOKED CREEK NEAR HARRISON, AR

LOCATION.--Lat 36°14'38" long 93°04'38", in SE 1/4 NW 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 21... | 1350 | 9 | 9827 | 9827 | 7.7 | 23.0 | 14.0 | 5.0 | 10.4 | 9 | 2.1 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1400 | 9 | 9827 | 9827 | 7.7 | 9.0 | 7.0 | 15 | 12.1 | 15 | 2.2 |
| FEB | | | | | | | | | | | |
| 07... | 1320 | 9 | 9827 | 9827 | 7.7 | 19.0 | 7.0 | 4.0 | 12.6 | 20 | 2.1 |
| MAR | | | | | | | | | | | |
| 06... | 1340 | 9 | 9827 | 9827 | 7.5 | 10.0 | 11.0 | 20 | 11.1 | 8 | 1.1 |
| 20... | 1300 | 9 | 9827 | 9827 | 7.7 | 15.0 | 11.0 | 9.6 | 11.3 | 2 | 2.0 |
| APR | | | | | | | | | | | |
| 17... | 1320 | 9 | 9827 | 9827 | 8.0 | 18.0 | 15.0 | 3.0 | 13.5 | 3 | .6 |
| MAY | | | | | | | | | | | |
| 15... | 1600 | 9 | 9827 | 9827 | 7.8 | 20.0 | 19.0 | 6.0 | 10.5 | 6 | 1.8 |
| JUN | | | | | | | | | | | |
| 12... | 1335 | 9 | 9827 | 9827 | 7.7 | 33.0 | 26.0 | 6.8 | 10.0 | 7 | 2.9 |
| JUL | | | | | | | | | | | |
| 24... | 1105 | 9 | 9827 | 9827 | 7.8 | 28.0 | 24.0 | 9.6 | 7.2 | 11 | 2.4 |
| AUG | | | | | | | | | | | |
| 21... | 1130 | 9 | 9827 | 9827 | 7.6 | 32.0 | 25.0 | 20 | 6.9 | 69 | 1.4 |
| SEP | | | | | | | | | | | |
| 18... | 1125 | 9 | 9827 | 9827 | 7.9 | 20.0 | 18.0 | 7.0 | 8.0 | 9 | 1.7 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1350 | 1100 | 10 | 13 | 216 | .29 | 8 | 3.8 | .090 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1400 | -- | 12 | 26 | 237 | .32 | 14 | 1.4 | 1.15 | .85 |
| FEB | | | | | | | | | | |
| 07... | 1320 | <4 | 16 | 19 | 229 | .31 | <1 | 1.9 | 2.00 | 4.5 |
| MAR | | | | | | | | | | |
| 06... | 1340 | <4 | 6.0 | 5.5 | 144 | .20 | 13 | 1.7 | .080 | .32 |
| 20... | 1300 | <4 | 6.0 | 5.5 | 147 | .20 | 10 | 1.5 | .120 | -.02 |
| APR | | | | | | | | | | |
| 17... | 1320 | <10 | 5.0 | 6.5 | 174 | .24 | 6 | 1.6 | .080 | -- |
| MAY | | | | | | | | | | |
| 15... | 1600 | 10 | 13 | 7.5 | 203 | .28 | 10 | 1.7 | .090 | -- |
| JUN | | | | | | | | | | |
| 12... | 1335 | 1000 | 7.0 | 11 | 222 | .30 | 13 | 2.3 | .160 | .44 |
| JUL | | | | | | | | | | |
| 24... | 1105 | 640 | 10 | 13 | 222 | .30 | 18 | 2.1 | .060 | -- |
| AUG | | | | | | | | | | |
| 21... | 1130 | 44 | 8.0 | 17 | 216 | .29 | 24 | 2.0 | .060 | -- |
| SEP | | | | | | | | | | |
| 18... | 1125 | 630 | 6.0 | 11 | 226 | .31 | 12 | 2.0 | .050 | -- |

07055569 CROOKED CREEK NEAR HARRISON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1350 | <.10 | -- | -- | .620 | .530 | 0 | <1 | <10 | 2 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1400 | 2.0 | 3.4 | 15 | .600 | .510 | 0 | 2 | <10 | 3 |
| FEB | | | | | | | | | | |
| 07... | 1320 | 6.5 | 8.4 | 37 | .850 | .820 | 0 | <1 | <10 | <1 |
| MAR | | | | | | | | | | |
| 06... | 1340 | .40 | 2.1 | 9.3 | .110 | -- | 0 | <1 | <10 | <1 |
| 20... | 1300 | .10 | 1.6 | 7.1 | -- | .080 | -- | <1 | <10 | <1 |
| APR | | | | | | | | | | |
| 17... | 1320 | -- | -- | -- | .160 | .130 | -- | 14 | <10 | <1 |
| MAY | | | | | | | | | | |
| 15... | 1600 | -- | -- | -- | .370 | .290 | 0 | 1 | <10 | <1 |
| JUN | | | | | | | | | | |
| 12... | 1335 | .60 | 2.9 | 13 | -- | .610 | -- | 1 | <10 | 2 |
| JUL | | | | | | | | | | |
| 24... | 1105 | <.10 | -- | -- | .500 | .440 | 0 | 1 | -- | 2 |
| AUG | | | | | | | | | | |
| 21... | 1130 | -- | -- | -- | .620 | .610 | 0 | 2 | <10 | <1 |
| SEP | | | | | | | | | | |
| 18... | 1125 | <.10 | -- | -- | .480 | .410 | -- | 2 | <10 | <1 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 21... | 1350 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1400 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 1320 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 1340 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 20... | 1300 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 1320 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 1335 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 1105 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 1130 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 18... | 1125 | 20 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07055608 CROOKED CREEK AT YELLVILLE, AR

LOCATION.--Lat 36°13'23", long 92°40'47", in NW 1/4 NE 1/4 sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, at bridge on State Highway 14 at Yellville.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0830 | 9 | 9827 | 9827 | -- | 7.9 | 16.0 | 17.0 | 1.6 | 8.3 |
| NOV | | | | | | | | | | |
| 08... | 1215 | 9 | 9827 | 9827 | 24 | 8.0 | 14.0 | 13.0 | 1.6 | 10.2 |
| DEC | | | | | | | | | | |
| 13... | 1315 | 9 | 9827 | 9827 | 630 | 8.1 | 5.0 | 7.0 | 7.0 | 11.9 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1230 | 9 | 9827 | 9827 | 3800 | 8.0 | 16.0 | 14.0 | 6.5 | 10.4 |
| 17... | 1230 | 9 | 9827 | 9827 | 240 | 8.1 | -3.0 | 1.0 | 1.0 | -- |
| FEB | | | | | | | | | | |
| 14... | 1300 | 9 | 9827 | 9827 | 710 | 8.1 | 17.0 | 10.0 | 9.0 | 11.3 |
| MAR | | | | | | | | | | |
| 13... | 1200 | 9 | 9827 | 9827 | 500 | 8.0 | 12.0 | 10.0 | 3.4 | 11.6 |
| MAY | | | | | | | | | | |
| 08... | 1230 | 9 | 9827 | 9827 | 1500 | 7.8 | 18.0 | 15.0 | 35 | 9.2 |
| JUN | | | | | | | | | | |
| 05... | 1400 | 9 | 9827 | 9827 | 120 | 8.2 | 34.0 | 25.0 | 3.2 | 10.3 |
| JUL | | | | | | | | | | |
| 17... | 1330 | 9 | 9827 | 9827 | 80 | 8.1 | 41.0 | 30.0 | 5.0 | 10.5 |
| AUG | | | | | | | | | | |
| 14... | 1335 | 9 | 9827 | 9827 | .00 | 8.2 | 31.0 | 27.0 | 2.8 | 12.2 |
| SEP | | | | | | | | | | |
| 11... | 1230 | 9 | 9827 | 9827 | .00 | 7.8 | 30.0 | 27.0 | -- | 5.4 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 0830 | 2.6 | 40 | 6.0 | 8.0 | 179 | .24 | 2 | .06 |
| NOV | | | | | | | | | |
| 08... | 1215 | 1.6 | 20 | 2.0 | 9.5 | 200 | .27 | 2 | -- |
| DEC | | | | | | | | | |
| 13... | 1315 | 1.5 | 64 | 5.0 | 7.0 | 213 | .29 | 11 | .88 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1230 | .3 | 250 | 3.0 | 3.0 | 168 | .23 | 12 | .69 |
| 17... | 1230 | 1.9 | <4 | 5.0 | 8.0 | 194 | .26 | 2 | .60 |
| FEB | | | | | | | | | |
| 14... | 1300 | 1.6 | 130 | 8.0 | 6.0 | 177 | .24 | 15 | 1.1 |
| MAR | | | | | | | | | |
| 13... | 1200 | .4 | 12 | 6.0 | 4.5 | 192 | .26 | 8 | -- |
| MAY | | | | | | | | | |
| 08... | 1230 | 2.1 | 3900 | -- | 4.5 | 385 | .52 | 55 | .87 |
| JUN | | | | | | | | | |
| 05... | 1400 | 2.0 | 28 | 6.0 | 7.0 | 184 | .25 | 9 | .27 |
| JUL | | | | | | | | | |
| 17... | 1330 | 1.6 | 80 | 9.0 | 7.5 | 176 | .24 | 1 | .30 |
| AUG | | | | | | | | | |
| 14... | 1335 | 1.6 | 16 | 7.0 | 10 | 172 | .23 | 6 | .08 |
| SEP | | | | | | | | | |
| 11... | 1230 | .7 | >600 | 3.0 | 11 | 170 | .23 | 3 | .22 |

07055608 CROOKED CREEK AT YELLVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 0830 | .010 | .030 | <.010 | 0 | <1 | <10 | <1 | 0 |
| NOV | | | | | | | | | |
| 08... | 1215 | .090 | .040 | .010 | 0 | 1 | 23 | 5 | 0 |
| DEC | | | | | | | | | |
| 13... | 1315 | .010 | .020 | <.010 | 0 | 1 | <10 | 7 | 10 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1230 | .010 | .080 | .050 | 0 | 1 | 15 | 15 | -- |
| 17... | 1230 | <.010 | <.010 | .010 | 0 | 2 | 3 | 2 | 0 |
| FEB | | | | | | | | | |
| 14... | 1300 | <.010 | .040 | .020 | 2 | <1 | 58 | 3 | 50 |
| MAR | | | | | | | | | |
| 13... | 1200 | <.010 | .080 | -- | 0 | <1 | 110 | 26 | 60 |
| MAY | | | | | | | | | |
| 08... | 1230 | .060 | .080 | .010 | 0 | 1 | -- | 22 | -- |
| JUN | | | | | | | | | |
| 05... | 1400 | .060 | .030 | <.010 | -- | <1 | <10 | 4 | 0 |
| JUL | | | | | | | | | |
| 17... | 1330 | <.010 | .050 | .020 | 0 | 12 | 13 | 7 | 10 |
| AUG | | | | | | | | | |
| 14... | 1335 | <.010 | .020 | .020 | 0 | <1 | 17 | 17 | 30 |
| SEP | | | | | | | | | |
| 11... | 1230 | <.010 | .030 | .010 | 0 | <1 | 30 | 7 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 11... | 1230 | .000 | .000 | .000 | .000 | .000 | .00 | <.10 | .0 |

## 07056000 BUFFALO RIVER NEAR ST. JOE, AR

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

DRAINAGE AREA.--829 $mi^2$.

### WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 1,023 $ft^3/s$, 16.76 in/yr, 741,200 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 13,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage Height (ft) |
|---|---|---|---|
| Mar. 5 | 0330 | 13,600 | 15.88 |
| May 7 | 2230 | *40,200 | 27.41 |

Minimum discharge, 26 ft3/s Oct. 1, 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26 | 31 | 421 | 170 | 236 | 1590 | 2120 | 1020 | 872 | 169 | 49 | 39 |
| 2 | 26 | 31 | 361 | 160 | 232 | 2100 | 1850 | 909 | 737 | 157 | 50 | 39 |
| 3 | 27 | 31 | 550 | 148 | 230 | 3200 | 2550 | 940 | 645 | 146 | 52 | 38 |
| 4 | 29 | 31 | 1320 | 146 | 229 | 5520 | 2640 | 1100 | 583 | 138 | 49 | 36 |
| 5 | 31 | 30 | 1150 | 150 | 221 | 10800 | 2150 | 1050 | 537 | 130 | 50 | 36 |
| 6 | 31 | 31 | 883 | 161 | 213 | 4900 | 1770 | 5180 | 503 | 123 | 56 | 36 |
| 7 | 31 | 31 | 667 | 167 | 209 | 3120 | 1460 | 23100 | 531 | 114 | 58 | 37 |
| 8 | 31 | 31 | 539 | 171 | 203 | 2280 | 1990 | 20900 | 578 | 108 | 56 | 36 |
| 9 | 31 | 31 | 451 | 175 | 198 | 1700 | 4670 | 6650 | 529 | 102 | 58 | 35 |
| 10 | 31 | 30 | 398 | 192 | 194 | 1280 | 3780 | 4190 | 471 | 97 | 55 | 34 |
| 11 | 31 | 30 | 1280 | 216 | 188 | 1080 | 2870 | 3010 | 428 | 92 | 53 | 32 |
| 12 | 31 | 30 | 1770 | 243 | 2800 | 1030 | 2350 | 2310 | 394 | 86 | 53 | 31 |
| 13 | 30 | 30 | 1220 | 257 | 4380 | 1080 | 1900 | 1790 | 358 | 84 | 59 | 30 |
| 14 | 31 | 31 | 994 | 254 | 2330 | 1080 | 1510 | 1410 | 327 | 82 | 64 | 28 |
| 15 | 31 | 30 | 815 | 247 | 1480 | 980 | 1270 | 1170 | 298 | 77 | 63 | 30 |
| 16 | 31 | 30 | 673 | 236 | 1110 | 1030 | 1130 | 1040 | 276 | 80 | 62 | 29 |
| 17 | 31 | 31 | 567 | 225 | 918 | 1360 | 1010 | 922 | 256 | 76 | 59 | 35 |
| 18 | 31 | 31 | 484 | 218 | 781 | 2720 | 894 | 807 | 242 | 74 | 54 | 43 |
| 19 | 31 | 70 | 434 | 207 | 709 | 2640 | 799 | 716 | 230 | 73 | 50 | 46 |
| 20 | 31 | 84 | 400 | 198 | 642 | 2640 | 725 | 666 | 248 | 71 | 49 | 48 |
| 21 | 32 | 211 | 370 | 198 | 566 | 2160 | 2360 | 647 | 1640 | 70 | 47 | 48 |
| 22 | 31 | 202 | 340 | 189 | 506 | 1680 | 3880 | 622 | 1290 | 67 | 46 | 56 |
| 23 | 31 | 1310 | 310 | 176 | 455 | 1360 | 2650 | 590 | 645 | 64 | 46 | 54 |
| 24 | 31 | 1480 | 290 | 176 | 410 | 1840 | 2040 | 557 | 428 | 62 | 45 | 98 |
| 25 | 31 | 856 | 270 | 194 | 370 | 2510 | 1610 | 523 | 330 | 61 | 44 | 120 |
| 26 | 31 | 555 | 250 | 215 | 377 | 2050 | 1320 | 508 | 279 | 59 | 43 | 260 |
| 27 | 31 | 544 | 230 | 227 | 2170 | 1740 | 1150 | 1460 | 246 | 56 | 42 | 471 |
| 28 | 31 | 947 | 220 | 240 | 2570 | 2410 | 1000 | 3060 | 224 | 53 | 41 | 321 |
| 29 | 31 | 697 | 200 | 248 | 1860 | 4680 | 911 | 2520 | 206 | 50 | 41 | 237 |
| 30 | 31 | 531 | 190 | 248 | --- | 3260 | 1090 | 1460 | 186 | 48 | 41 | 186 |
| 31 | 31 | --- | 180 | 243 | --- | 2530 | --- | 1060 | --- | 46 | 39 | --- |
| TOTAL | 945 | 8038 | 18227 | 6295 | 26787 | 78350 | 57449 | 91887 | 14517 | 2715 | 1574 | 2569 |
| MEAN | 30.5 | 268 | 588 | 203 | 924 | 2527 | 1915 | 2964 | 484 | 87.6 | 50.8 | 85.6 |
| MAX | 32 | 1480 | 1770 | 257 | 4380 | 10800 | 4670 | 23100 | 1640 | 169 | 64 | 471 |
| MIN | 26 | 30 | 180 | 146 | 188 | 980 | 725 | 508 | 186 | 46 | 39 | 28 |
| CFSM | .04 | .32 | .71 | .24 | 1.11 | 3.05 | 2.31 | 3.58 | .58 | .11 | .06 | .10 |
| IN. | .04 | .36 | .82 | .28 | 1.20 | 3.52 | 2.58 | 4.12 | .65 | .12 | .07 | .12 |
| AC-FT | 1870 | 15940 | 36150 | 12490 | 53130 | 155400 | 114000 | 182300 | 28790 | 5390 | 3120 | 5100 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 317551 | MEAN | 870 | MAX | 8920 | MIN | 26 | CFSM | 1.05 | IN. | 14.25 | AC-FT | 629900 |
| WTR YR 1984 | TOTAL | 309353 | MEAN | 845 | MAX | 23100 | MIN | 26 | CFSM | 1.02 | IN. | 13.88 | AC-FT | 613600 |

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

WATER-QUALITY RECORDS

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1005 | 9 | 9827 | 9827 | 30 | 7.8 | 25.0 | 23.0 | 2.4 | 7.5 | 4 |
| NOV | | | | | | | | | | | |
| 08... | 1315 | 9 | 9827 | 9827 | 31 | 8.0 | 14.0 | 14.0 | 1.3 | 11.9 | 3 |
| DEC | | | | | | | | | | | |
| 13... | 1415 | 9 | 9827 | 9827 | 1220 | 7.7 | 5.0 | 8.0 | 8.0 | 11.2 | 6 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | 9 | 9827 | 9827 | 224 | 8.0 | -3.0 | 3.0 | 3.0 | -- | 6 |
| FEB | | | | | | | | | | | |
| 14... | 1415 | 9 | 9827 | 9827 | 2330 | 7.7 | 23.0 | 10.0 | 25 | 11.0 | 10 |
| MAR | | | | | | | | | | | |
| 13... | 1300 | 9 | 9827 | 9827 | 1100 | 7.6 | 16.0 | 11.0 | 3.3 | 12.8 | <1 |
| APR | | | | | | | | | | | |
| 10... | 1330 | 9 | 9827 | 9827 | 3780 | 7.8 | 19.0 | 16.0 | 8.0 | 11.0 | 5 |
| MAY | | | | | | | | | | | |
| 08... | 1400 | 9 | 9827 | 9827 | 19600 | 7.4 | 19.0 | 16.0 | 100 | 9.2 | 20 |
| JUN | | | | | | | | | | | |
| 05... | 1500 | 9 | 9827 | 9827 | 484 | 8.3 | 25.0 | 25.0 | 2.2 | 9.8 | 5 |
| JUL | | | | | | | | | | | |
| 17... | 1520 | 9 | 9827 | 9827 | 76 | 8.0 | 42.0 | 31.0 | 2.0 | 9.3 | 2 |
| AUG | | | | | | | | | | | |
| 14... | 1435 | 9 | 9827 | 9827 | 64 | 8.4 | 30.0 | 29.0 | 1.6 | 12.8 | 2 |
| SEP | | | | | | | | | | | |
| 11... | 1330 | 9 | 9827 | 9827 | 32 | 7.9 | 30.0 | 27.0 | -- | 8.9 | <1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1005 | 1.1 | <4 | -- | 3.5 | 139 | .19 | 4 | .05 | .050 | .15 |
| NOV | | | | | | | | | | | |
| 08... | 1315 | 2.4 | <4 | 2.0 | 5.0 | 157 | .21 | <1 | -- | .050 | -- |
| DEC | | | | | | | | | | | |
| 13... | 1415 | 1.4 | 76 | 6.0 | 3.5 | 89 | .12 | 4 | .16 | <.010 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | 1.0 | <4 | 5.0 | 4.5 | 112 | .15 | 4 | .05 | <.010 | -- |
| FEB | | | | | | | | | | | |
| 14... | 1415 | .6 | 36 | 7.0 | 4.0 | 89 | .12 | 17 | .27 | <.010 | -- |
| MAR | | | | | | | | | | | |
| 13... | 1300 | .7 | <4 | 6.0 | 2.5 | 94 | .13 | 2 | -- | .020 | .28 |
| APR | | | | | | | | | | | |
| 10... | 1330 | 1.3 | 190 | 3.0 | 2.0 | 85 | .12 | 6 | .14 | .040 | .36 |
| MAY | | | | | | | | | | | |
| 08... | 1400 | 2.8 | 760 | -- | 2.5 | 114 | .16 | 144 | .20 | .060 | .34 |
| JUN | | | | | | | | | | | |
| 05... | 1500 | 1.3 | <4 | 6.0 | 4.0 | 104 | .14 | 4 | .05 | <.010 | -- |
| JUL | | | | | | | | | | | |
| 17... | 1520 | .4 | 10 | 4.0 | 2.5 | 128 | .17 | 2 | .12 | .020 | -- |
| AUG | | | | | | | | | | | |
| 14... | 1435 | 2.1 | 4 | 4.0 | 4.5 | 129 | .18 | 3 | .06 | <.010 | -- |
| SEP | | | | | | | | | | | |
| 11... | 1330 | 1.3 | <4 | 3.0 | 5.0 | 136 | .19 | 7 | .08 | .080 | .02 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1005 | .20 | .25 | 1.1 | .010 | <.010 | 0 | <1 | <10 | <1 |
| NOV | | | | | | | | | | |
| 08... | 1315 | <.10 | -- | -- | .030 | .010 | 0 | <1 | <10 | <1 |
| DEC | | | | | | | | | | |
| 13... | 1415 | -- | -- | -- | .010 | <.010 | 0 | <1 | <10 | 1 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1330 | .10 | .15 | .66 | .010 | .010 | 0 | 2 | 12 | 37 |
| FEB | | | | | | | | | | |
| 14... | 1415 | -- | -- | -- | .040 | .010 | 0 | <1 | 86 | 35 |
| MAR | | | | | | | | | | |
| 13... | 1300 | .30 | -- | -- | .070 | -- | 0 | <1 | <10 | <1 |
| APR | | | | | | | | | | |
| 10... | 1330 | .40 | .54 | 2.4 | .080 | .010 | 0 | <1 | <10 | <1 |
| MAY | | | | | | | | | | |
| 08... | 1400 | .40 | .60 | 2.7 | .160 | .030 | 0 | 4 | -- | 3 |
| JUN | | | | | | | | | | |
| 05... | 1500 | 1.0 | 1.1 | 4.6 | .010 | <.010 | -- | <1 | <10 | 6 |
| JUL | | | | | | | | | | |
| 17... | 1520 | <.10 | -- | -- | .030 | .020 | 0 | <1 | <10 | 4 |
| AUG | | | | | | | | | | |
| 14... | 1435 | .10 | .16 | .71 | .020 | <.010 | 0 | <1 | <10 | <1 |
| SEP | | | | | | | | | | |
| 11... | 1330 | .10 | .18 | .80 | .030 | <.010 | 0 | <1 | <10 | <1 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1005 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 08... | 1315 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 13... | 1415 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1330 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 1415 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 13... | 1300 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 05... | 1500 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 17... | 1520 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1435 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 11... | 1330 | 0 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07056520 BEAR CREEK WEST OF MARSHALL, AR

LOCATION.--Lat 35°55'20", long 92°42'20", in NW 1/4 NW 1/4 sec.29, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005 at downstream side of bridge on State Highway 74, and 4.4 mi west of Marshall.

PERIOD OF RECORD.--December 1983 to June 1984.

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

WATER QUALITY DATA, DECEMBER 1983 TO JUNE 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1430 | 9 | 9827 | 9827 | 7.4 | 5.0 | 8.0 | 6.0 | 11.0 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1345 | 9 | 9827 | 9827 | 7.6 | -3.0 | 5.0 | 2.0 | -- |
| FEB | | | | | | | | | |
| 14... | 1445 | 9 | 9827 | 9827 | 7.6 | 23.0 | 10.0 | 8.0 | 11.7 |
| MAR | | | | | | | | | |
| 13... | 1330 | 9 | 9827 | 9827 | 7.5 | 16.0 | 2.0 | 6.6 | 11.7 |
| APR | | | | | | | | | |
| 10... | 1400 | 9 | 9827 | 9827 | 7.8 | 19.0 | 15.0 | 6.5 | 11.6 |
| MAY | | | | | | | | | |
| 08... | 1430 | 9 | 9827 | 9827 | 7.4 | 20.0 | 16.0 | 25 | 9.7 |
| JUN | | | | | | | | | |
| 05... | 1600 | 9 | 9827 | 9827 | 7.6 | 30.0 | 23.0 | 2.2 | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1430 | .8 | 44 | 7.0 | 5.5 | 73 | .10 | 2 | .42 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1345 | .8 | <4 | 9.0 | 6.0 | 102 | .14 | 4 | .39 |
| FEB | | | | | | | | | |
| 14... | 1445 | .4 | <4 | 9.0 | 4.5 | 77 | .10 | 7 | .42 |
| MAR | | | | | | | | | |
| 13... | 1330 | .3 | 16 | 8.0 | 3.5 | 83 | .11 | 6 | -- |
| APR | | | | | | | | | |
| 10... | 1400 | <1.0 | 410 | 4.0 | 2.5 | 76 | .10 | 9 | .22 |
| MAY | | | | | | | | | |
| 08... | 1430 | 1.0 | 180 | -- | 2.5 | 92 | .13 | 34 | .35 |
| JUN | | | | | | | | | |
| 05... | 1600 | 1.1 | 470 | 9.0 | 5.5 | 143 | .19 | 3 | .52 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1430 | <.010 | .030 | <.010 | 0 | <1 | 22 | 11 | 0 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1345 | .010 | .040 | .030 | 0 | 2 | 16 | 77 | 30 |
| FEB | | | | | | | | | |
| 14... | 1445 | <.010 | .030 | .030 | 0 | <1 | 43 | 15 | 30 |
| MAR | | | | | | | | | |
| 13... | 1330 | .040 | .100 | -- | 0 | <1 | 13 | 15 | 0 |
| APR | | | | | | | | | |
| 10... | 1400 | .020 | .090 | .030 | 0 | <1 | 11 | 13 | -- |
| MAY | | | | | | | | | |
| 08... | 1430 | .030 | .110 | .010 | 0 | <1 | -- | 40 | -- |
| JUN | | | | | | | | | |
| 05... | 1600 | <.010 | .050 | <.010 | -- | <1 | <10 | 2 | 20 |

07057310 HICKS CREEK NEAR MOUNTAIN HOME, AR

LOCATION.--Lat 36°17'32", long 92°22'34", in NE 14 NE 1/4 sec.28, T.19 N., R.13 W., Baxter County, Hydrologic Unit 11010004, at downstream side of low-water bridge on the Heritage Estates Subdivision Road, 3 mi south of Baxter County fairgrounds, and 0.9 mi from Highway 201 turnoff.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1100 | 9 | 9827 | 9827 | 7.7 | 13.0 | 12.0 | 2.5 | 6.6 |
| DEC | | | | | | | | | |
| 13... | 1200 | 9 | 9827 | 9827 | 8.0 | 5.0 | 8.0 | 2.0 | 10.6 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1100 | 9 | 9827 | 9827 | 7.9 | -3.0 | 2.0 | 2.0 | -- |
| FEB | | | | | | | | | |
| 14... | 1130 | 9 | 9827 | 9827 | 8.1 | 11.0 | 8.0 | 3.0 | 11.4 |
| MAR | | | | | | | | | |
| 13... | 1100 | 9 | 9827 | 9827 | 7.9 | 10.0 | 9.0 | 4.0 | 10.9 |
| APR | | | | | | | | | |
| 10... | 1100 | 9 | 9827 | 9827 | 8.0 | 14.0 | 13.0 | 2.4 | 10.4 |
| MAY | | | | | | | | | |
| 08... | 1130 | 9 | 9827 | 9827 | 7.8 | 15.0 | 14.0 | 6.0 | 9.4 |
| JUN | | | | | | | | | |
| 05... | 1230 | 9 | 9827 | 9827 | 8.0 | 31.0 | 18.0 | 3.0 | 5.6 |
| JUL | | | | | | | | | |
| 17... | 1200 | 9 | 9827 | 9827 | 7.8 | 35.0 | 25.0 | 3.0 | 5.0 |
| AUG | | | | | | | | | |
| 14... | 1200 | 9 | 9827 | 9827 | 7.7 | 29.0 | 25.0 | 2.2 | 4.1 |
| SEP | | | | | | | | | |
| 11... | 1105 | 9 | 9827 | 9827 | 7.6 | 25.0 | 24.0 | -- | 3.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV , 1983 | | | | | | | | | |
| 08... | 1100 | 1.2 | K76 | 27 | 42 | 355 | .48 | 2 | -- |
| DEC | | | | | | | | | |
| 13... | 1200 | 7.1 | K16 | 22 | 17 | 276 | .38 | 2 | >1.0 |
| JAN , 1984 | | | | | | | | | |
| 17... | 1100 | 7.6 | >600 | 25 | 25 | 310 | .42 | 7 | .84 |
| FEB | | | | | | | | | |
| 14... | 1130 | 2.1 | K40 | 23 | 17 | 260 | .35 | 3 | .99 |
| MAR | | | | | | | | | |
| 13... | 1100 | 7.5 | <4 | 23 | 16 | 271 | .37 | 8 | -- |
| APR | | | | | | | | | |
| 10... | 1100 | 1.9 | <10 | 14 | 11 | 241 | .33 | 4 | .68 |
| MAY | | | | | | | | | |
| 08... | 1130 | 2.4 | K100 | -- | 11 | 234 | .32 | 5 | .52 |
| JUN | | | | | | | | | |
| 05... | 1230 | -- | 290 | 25 | 39 | 348 | .47 | 8 | 3.3 |
| JUL | | | | | | | | | |
| 17... | 1200 | 6.4 | 110 | 35 | 54 | 359 | .49 | 2 | 2.4 |
| AUG | | | | | | | | | |
| 14... | 1200 | 6.4 | 110 | 29 | 67 | 381 | .52 | 4 | 2.1 |
| SEP | | | | | | | | | |
| 11... | 1105 | 3.0 | 140 | 31 | 41 | 327 | .44 | <1 | 3.0 |

07057310 HICKS CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1100 | 2.52 | 3.60 | 2.30 | 0 | 2 | <10 | 3 | 10 |
| DEC | | | | | | | | | |
| 13... | 1200 | .740 | .250 | .180 | 0 | <1 | <30 | 4 | 20 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1100 | 4.05 | 2.05 | 1.75 | 0 | 2 | <10 | 4 | 20 |
| FEB | | | | | | | | | |
| 14... | 1130 | .550 | .110 | .080 | 0 | <1 | 76 | 2 | 50 |
| MAR | | | | | | | | | |
| 13... | 1100 | .400 | .430 | -- | 0 | 1 | 67 | 1 | 80 |
| APR | | | | | | | | | |
| 10... | 1100 | .150 | .140 | .120 | 0 | <1 | <10 | 2 | -- |
| MAY | | | | | | | | | |
| 08... | 1130 | .090 | .130 | .080 | 0 | <1 | -- | <1 | -- |
| JUN | | | | | | | | | |
| 05... | 1230 | 3.80 | 4.00 | 3.90 | -- | <1 | 12 | 7 | 30 |
| JUL | | | | | | | | | |
| 17... | 1200 | 2.15 | 2.84 | 2.40 | 0 | 2 | <10 | 7 | 20 |
| AUG | | | | | | | | | |
| 14... | 1200 | 3.70 | 3.00 | 2.80 | 0 | <1 | <10 | 4 | 30 |
| SEP | | | | | | | | | |
| 11... | 1105 | 2.30 | 4.25 | 3.50 | 0 | <1 | <10 | 2 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1200 | <.001 | <.001 | -- | <.001 | <.001 | .00 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 17... | 1100 | <.001 | <.001 | <.002 | <.001 | <.001 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 10... | 1100 | <.001 | <.001 | <.002 | <.001 | <.001 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 11... | 1105 | <.002 | <.002 | <.004 | <.002 | <.002 | .00 | .00 | .0 |

07057370 WHITE RIVER NEAR NORFORK, AR

LOCATION.--Lat 36°13'24", long 92°18'06", in sec.17, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010004, at bridge on State Highway 341, and 1.7 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1000 | 9 | 9827 | 9827 | 1990 | 8.0 | 15.0 | 17.0 | 2.0 | 8.6 |
| NOV | | | | | | | | | | |
| 08... | 1030 | 9 | 9827 | 9827 | 1140 | 8.0 | 13.0 | 13.0 | 1.5 | 10.1 |
| DEC | | | | | | | | | | |
| 13... | 1130 | 9 | 9827 | 9827 | 15900 | 7.8 | 5.0 | 9.0 | 5.0 | 10.0 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1045 | 9 | 9827 | 9827 | 3690 | 8.0 | -3.0 | 2.0 | 2.0 | -- |
| FEB | | | | | | | | | | |
| 14... | 1100 | 9 | 9827 | 9827 | 8170 | 7.9 | 10.0 | 9.0 | 40 | 10.6 |
| MAR | | | | | | | | | | |
| 13... | 1030 | 9 | 9827 | 9827 | 13600 | 7.9 | 10.0 | 8.0 | 3.9 | 12.0 |
| APR | | | | | | | | | | |
| 10... | 1030 | 9 | 9827 | 9827 | 14300 | 7.9 | 14.0 | 12.0 | 9.5 | 10.3 |
| MAY | | | | | | | | | | |
| 08... | 1100 | 9 | 9827 | 9827 | 42300 | 7.5 | 15.0 | 14.0 | 340 | 8.5 |
| JUN | | | | | | | | | | |
| 05... | 1200 | 9 | 9827 | 9827 | 3820 | 8.2 | 31.0 | 18.0 | 1.8 | 9.8 |
| JUL | | | | | | | | | | |
| 17... | 1145 | 9 | 9827 | 9827 | 2240 | 8.0 | 33.0 | 25.0 | 2.0 | 8.7 |
| AUG | | | | | | | | | | |
| 14... | 1600 | 9 | 9827 | 9827 | 7330 | 7.9 | 29.0 | 27.0 | 1.7 | 8.8 |
| SEP | | | | | | | | | | |
| 11... | 1045 | 9 | 9827 | 9827 | 10200 | 7.8 | 25.0 | 15.0 | -- | 7.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1000 | 1.6 | 170 | 7.0 | 4.5 | 161 | .22 | 6 | .29 |
| NOV | | | | | | | | | |
| 08... | 1030 | 1.4 | 4 | 3.0 | 7.0 | 170 | .23 | 1 | -- |
| DEC | | | | | | | | | |
| 13... | 1130 | .8 | 48 | 5.0 | 6.5 | 132 | .18 | 6 | .27 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1045 | .9 | <4 | 6.0 | 6.0 | 150 | .20 | 6 | .24 |
| FEB | | | | | | | | | |
| 14... | 1100 | 1.5 | 230 | 10 | 5.0 | 131 | .18 | 45 | .39 |
| MAR | | | | | | | | | |
| 13... | 1030 | .3 | 4 | 6.0 | 4.5 | 146 | .20 | 6 | -- |
| APR | | | | | | | | | |
| 10... | 1030 | .3 | 210 | 4.0 | 2.5 | 126 | .17 | 18 | .24 |
| MAY | | | | | | | | | |
| 08... | 1100 | 4.0 | 6100 | -- | 1.5 | 132 | .18 | 558 | .23 |
| JUN | | | | | | | | | |
| 05... | 1200 | 2.2 | 28 | 7.0 | 5.0 | 147 | .20 | 4 | .16 |
| JUL | | | | | | | | | |
| 17... | 1145 | .9 | 4 | 6.0 | 5.5 | 181 | .25 | 4 | .13 |
| AUG | | | | | | | | | |
| 14... | 1600 | 1.3 | 4 | 6.0 | 6.0 | 158 | .21 | 4 | .38 |
| SEP | | | | | | | | | |
| 11... | 1045 | .7 | 36 | 6.0 | 7.5 | 161 | .22 | 2 | .50 |

07057370 WHITE RIVER NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1000 | .020 | .040 | <.010 | 0 | <1 | 28 | 5 | 20 |
| NOV | | | | | | | | | |
| 08... | 1030 | <.010 | .040 | .010 | 0 | 1 | 32 | 23 | 10 |
| DEC | | | | | | | | | |
| 13... | 1130 | .010 | .010 | <.010 | 0 | <1 | 14 | 5 | 20 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1045 | <.010 | .010 | <.010 | 0 | 2 | 21 | 54 | 30 |
| FEB | | | | | | | | | |
| 14... | 1100 | .020 | .080 | .020 | 0 | 2 | 66 | 21 | 70 |
| MAR | | | | | | | | | |
| 13... | 1030 | <.010 | .070 | -- | 0 | <1 | 18 | 15 | 0 |
| APR | | | | | | | | | |
| 10... | 1030 | .030 | .080 | .010 | 0 | -- | 67 | 21 | -- |
| MAY | | | | | | | | | |
| 08... | 1100 | .100 | .600 | .040 | 1 | 12 | -- | 53 | -- |
| JUN | | | | | | | | | |
| 05... | 1200 | <.010 | .010 | <.010 | -- | <1 | <10 | 2 | 0 |
| JUL | | | | | | | | | |
| 17... | 1145 | <.010 | .020 | .020 | 0 | <1 | <10 | 8 | 0 |
| AUG | | | | | | | | | |
| 14... | 1600 | <.010 | .040 | .010 | 0 | <1 | 15 | 6 | 30 |
| SEP | | | | | | | | | |
| 11... | 1045 | <.010 | .010 | <.010 | 0 | <1 | 18 | 9 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | 1 |
| DEC, 1983 | | | | | | | | | |
| 13... | 1130 | -- | -- | -- | -- | -- | -- | -- | .0 |
| JAN , 1984 | | | | | | | | | |
| 17... | 1045 | -- | -- | -- | -- | -- | -- | -- | .0 |
| APR | | | | | | | | | |
| 10... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |

07059500 NORFORK LAKE NEAR NORFORK, AR

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 19... | 1330 | 9 | 80513 | 80513 | .00 | 152 | 290 | 8.2 |
| 19... | 1332 | 9 | 80513 | 80513 | 10.0 | 152 | 290 | 8.2 |
| 19... | 1334 | 9 | 80513 | 80513 | 20.0 | 152 | 295 | 8.3 |
| 19... | 1336 | 9 | 80513 | 80513 | 30.0 | 152 | 295 | 8.3 |
| 19... | 1338 | 9 | 80513 | 80513 | 40.0 | 152 | 295 | 8.3 |
| 19... | 1340 | 9 | 80513 | 80513 | 50.0 | 152 | 295 | 8.3 |
| 19... | 1342 | 9 | 80513 | 80513 | 52.0 | 152 | 305 | 7.9 |
| 19... | 1344 | 9 | 80513 | 80513 | 53.0 | 152 | 315 | 7.7 |
| 19... | 1346 | 9 | 80513 | 80513 | 60.0 | 152 | 305 | 7.7 |
| 19... | 1348 | 9 | 80513 | 80513 | 65.0 | 152 | 300 | 7.6 |
| 19... | 1350 | 9 | 80513 | 80513 | 70.0 | 152 | 300 | 7.6 |
| 19... | 1352 | 9 | 80513 | 80513 | 80.0 | 152 | 295 | 7.6 |
| 19... | 1354 | 9 | 80513 | 80513 | 90.0 | 152 | 295 | 7.6 |
| 19... | 1356 | 9 | 80513 | 80513 | 100 | 152 | 300 | 7.5 |
| 19... | 1358 | 9 | 80513 | 80513 | 110 | 152 | 305 | 7.5 |
| 19... | 1400 | 9 | 80513 | 80513 | 120 | 152 | 310 | 7.5 |
| 19... | 1402 | 9 | 80513 | 80513 | 130 | 152 | 315 | 7.5 |
| 19... | 1403 | 9 | 80513 | 80513 | 140 | 152 | 315 | 7.5 |
| 19... | 1404 | 9 | 80513 | 80513 | 150 | 152 | 320 | 7.4 |
| 19... | 1405 | 9 | 80513 | 80513 | 152 | 152 | 325 | 7.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 19... | 1330 | 20.5 | 178 | 4.5 | 7.4 | 84 | 751 |
| 19... | 1332 | 21.0 | -- | -- | 7.2 | -- | -- |
| 19... | 1334 | 21.0 | -- | -- | 6.7 | -- | -- |
| 19... | 1336 | 21.0 | -- | -- | 6.5 | -- | -- |
| 19... | 1338 | 21.0 | -- | -- | 6.3 | -- | -- |
| 19... | 1340 | 21.0 | -- | -- | 6.2 | -- | -- |
| 19... | 1342 | 20.0 | -- | -- | .4 | -- | -- |
| 19... | 1344 | 19.0 | -- | -- | .2 | -- | -- |
| 19... | 1346 | 18.0 | -- | -- | .1 | -- | -- |
| 19... | 1348 | 17.0 | -- | -- | .1 | -- | -- |
| 19... | 1350 | 16.0 | -- | -- | .1 | -- | -- |
| 19... | 1352 | 15.0 | -- | -- | .1 | -- | -- |
| 19... | 1354 | 14.0 | -- | -- | .2 | -- | -- |
| 19... | 1356 | 13.0 | -- | -- | .1 | -- | -- |
| 19... | 1358 | 12.5 | -- | -- | .1 | -- | -- |
| 19... | 1400 | 11.5 | -- | -- | .1 | -- | -- |
| 19... | 1402 | 11.5 | -- | -- | .1 | -- | -- |
| 19... | 1403 | 11.0 | -- | -- | .1 | -- | -- |
| 19... | 1404 | 11.0 | -- | -- | .1 | -- | -- |
| 19... | 1405 | 10.5 | -- | -- | .0 | -- | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 15... | 1120 | 9 | 80513 | 80513 | .00 | 150 | 300 | 8.2 |
| 15... | 1122 | 9 | 80513 | 80513 | 10.0 | 150 | 320 | 8.2 |
| 15... | 1124 | 9 | 80513 | 80513 | 20.0 | 150 | 320 | 8.1 |
| 15... | 1126 | 9 | 80513 | 80513 | 30.0 | 150 | 320 | 8.1 |
| 15... | 1128 | 9 | 80513 | 80513 | 40.0 | 150 | 340 | 7.9 |
| 15... | 1130 | 9 | 80513 | 80513 | 50.0 | 150 | 340 | 7.9 |
| 15... | 1132 | 9 | 80513 | 80513 | 60.0 | 150 | 340 | 7.8 |
| 15... | 1134 | 9 | 80513 | 80513 | 70.0 | 150 | 340 | 7.7 |
| 15... | 1136 | 9 | 80513 | 80513 | 80.0 | 150 | 340 | 7.7 |
| 15... | 1138 | 9 | 80513 | 80513 | 90.0 | 150 | 340 | 7.7 |
| 15... | 1140 | 9 | 80513 | 80513 | 100 | 150 | 340 | 7.7 |
| 15... | 1142 | 9 | 80513 | 80513 | 110 | 150 | 320 | 7.6 |
| 15... | 1144 | 9 | 80513 | 80513 | 120 | 150 | 360 | 7.6 |
| 15... | 1146 | 9 | 80513 | 80513 | 130 | 150 | 360 | 7.6 |
| 15... | 1148 | 9 | 80513 | 80513 | 140 | 150 | 360 | 7.6 |
| 15... | 1150 | 9 | 80513 | 80513 | 150 | 150 | 360 | 7.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 15... | 1120 | 15.5 | 174 | 4.4 | 6.8 | 69 | 750 |
| 15... | 1122 | 15.5 | -- | -- | 6.7 | -- | -- |
| 15... | 1124 | 15.5 | -- | -- | 6.6 | -- | -- |
| 15... | 1126 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1128 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1130 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1132 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1134 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1136 | 15.5 | -- | -- | 3.5 | -- | -- |
| 15... | 1138 | 14.5 | -- | -- | .6 | -- | -- |
| 15... | 1140 | 13.5 | -- | -- | .2 | -- | -- |
| 15... | 1142 | 12.5 | -- | -- | .2 | -- | -- |
| 15... | 1144 | 12.0 | -- | -- | .2 | -- | -- |
| 15... | 1146 | 11.5 | -- | -- | .0 | -- | -- |
| 15... | 1148 | 11.0 | -- | -- | .0 | -- | -- |
| 15... | 1150 | 11.0 | -- | -- | .0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 24... | 1450 | 9 | 80513 | 80513 | .00 | 159 | 305 | 8.1 |
| 24... | 1452 | 9 | 80513 | 80513 | 10.0 | 159 | 305 | 8.1 |
| 24... | 1454 | 9 | 80513 | 80513 | 20.0 | 159 | 305 | 8.2 |
| 24... | 1456 | 9 | 80513 | 80513 | 30.0 | 159 | 310 | 8.2 |
| 24... | 1458 | 9 | 80513 | 80513 | 40.0 | 159 | 310 | 8.2 |
| 24... | 1500 | 9 | 80513 | 80513 | 50.0 | 159 | 315 | 8.2 |
| 24... | 1502 | 9 | 80513 | 80513 | 60.0 | 159 | 315 | 8.2 |
| 24... | 1504 | 9 | 80513 | 80513 | 70.0 | 159 | 315 | 8.2 |
| 24... | 1506 | 9 | 80513 | 80513 | 80.0 | 159 | 315 | 8.2 |
| 24... | 1508 | 9 | 80513 | 80513 | 90.0 | 159 | 315 | 8.2 |
| 24... | 1510 | 9 | 80513 | 80513 | 100 | 159 | 315 | 8.2 |
| 24... | 1512 | 9 | 80513 | 80513 | 110 | 159 | 315 | 8.2 |
| 24... | 1514 | 9 | 80513 | 80513 | 120 | 159 | 315 | 8.3 |
| 24... | 1516 | 9 | 80513 | 80513 | 130 | 159 | 315 | 8.3 |
| 24... | 1518 | 9 | 80513 | 80513 | 140 | 159 | 315 | 8.3 |
| 24... | 1519 | 9 | 80513 | 80513 | 150 | 159 | 315 | 8.3 |
| 24... | 1520 | 9 | 80513 | 80513 | 159 | 159 | 315 | 8.3 |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 24... | 1450 | 5.0 | 99.6 | 2.50 | 11.6 | 92 | 749 |
| 24... | 1452 | 4.5 | -- | -- | 11.5 | -- | -- |
| 24... | 1454 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1456 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1458 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1500 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1502 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1504 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1506 | 4.5 | -- | -- | 11.3 | -- | -- |
| 24... | 1508 | 4.0 | -- | -- | 11.3 | -- | -- |
| 24... | 1510 | 4.0 | -- | -- | 11.3 | -- | -- |
| 24... | 1512 | 4.0 | -- | -- | 11.3 | -- | -- |
| 24... | 1514 | 4.0 | -- | -- | 11.3 | -- | -- |
| 24... | 1516 | 4.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1518 | 4.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1519 | 4.0 | -- | -- | 11.2 | -- | -- |
| 24... | 1520 | 4.0 | -- | -- | 11.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 14... | 1320 | 9 | 80513 | 80513 | .00 | 159 | 305 | 8.5 | 21.5 | 5.5 | 128 |
| 14... | 1321 | 9 | 80513 | 80010 | 3.00 | 159 | -- | -- | -- | -- | -- |
| 14... | 1322 | 9 | 80513 | 80513 | 10.0 | 159 | 310 | 8.5 | -- | 5.5 | -- |
| 14... | 1324 | 9 | 80513 | 80513 | 20.0 | 159 | 310 | 8.5 | -- | 5.0 | -- |
| 14... | 1325 | 9 | 80513 | 80010 | 25.0 | 159 | 310 | 8.5 | -- | 5.0 | -- |
| 14... | 1326 | 9 | 80513 | 80513 | 30.0 | 159 | 310 | 8.5 | -- | 5.0 | -- |
| 14... | 1328 | 9 | 80513 | 80513 | 40.0 | 159 | 310 | 8.4 | -- | 5.0 | -- |
| 14... | 1330 | 9 | 80513 | 80513 | 50.0 | 159 | 315 | 8.4 | -- | 5.0 | -- |
| 14... | 1332 | 9 | 80513 | 80513 | 60.0 | 159 | 315 | 8.4 | -- | 5.0 | -- |
| 14... | 1334 | 9 | 80513 | 80513 | 70.0 | 159 | 315 | 8.4 | -- | 5.0 | -- |
| 14... | 1336 | 9 | 80513 | 80513 | 80.0 | 159 | 315 | 8.4 | -- | 5.0 | -- |
| 14... | 1338 | 9 | 80513 | 80513 | 90.0 | 159 | 315 | 8.4 | -- | 5.0 | -- |
| 14... | 1340 | 9 | 80513 | 80010 | 100 | 159 | 315 | 8.4 | -- | 4.5 | -- |
| 14... | 1342 | 9 | 80513 | 80513 | 110 | 159 | 315 | 8.4 | -- | 4.5 | -- |
| 14... | 1344 | 9 | 80513 | 80513 | 120 | 159 | 315 | 8.4 | -- | 4.5 | -- |
| 14... | 1346 | 9 | 80513 | 80513 | 130 | 159 | 320 | 8.4 | -- | 4.5 | -- |
| 14... | 1348 | 9 | 80513 | 80513 | 140 | 159 | 320 | 8.4 | -- | 4.5 | -- |
| 14... | 1349 | 9 | 80513 | 80513 | 150 | 159 | 320 | 8.4 | -- | 4.5 | -- |
| 14... | 1350 | 9 | 80513 | 80513 | 159 | 159 | 320 | 8.3 | -- | 4.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 14... | 1320 | 3.3 | 12.1 | 98 | 749 | -- | -- | -- | 0 | -- | -- |
| 14... | 1321 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 14... | 1322 | -- | 12.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1324 | -- | 12.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1325 | -- | 12.2 | -- | -- | 2 | 7.1 | 1.3 | -- | 150 | 0 |
| 14... | 1326 | -- | 12.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1328 | -- | 12.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1330 | -- | 12.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1332 | -- | 12.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1334 | -- | 12.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1336 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1338 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1340 | -- | 12.0 | -- | -- | 5 | 3.4 | 1.0 | -- | 160 | 0 |
| 14... | 1342 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1344 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1346 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1348 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1349 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1350 | -- | 11.9 | -- | -- | -- | -- | -- | -- | -- | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1325 | 0 | 30 | 75 | 18 | 151 | 6.0 | 4.9 | .200 | .010 |
| 14... | 1340 | 0 | 31 | 78 | 19 | 155 | 5.9 | 5.3 | .200 | .020 |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1321 | -- | -- | -- | -- | -- | -- | -- | 2.10 | <.100 |
| 14... | 1325 | .79 | .80 | 1.0 | .010 | <.010 | 120 | 20 | -- | -- |
| 14... | 1340 | .78 | .80 | 1.0 | .020 | <.010 | 250 | 20 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 27... | 0830 | 9 | 80513 | 80513 | .00 | 159 | 300 | 8.9 |
| 27... | 0832 | 9 | 80513 | 80513 | 10.0 | 159 | 300 | 8.9 |
| 27... | 0834 | 9 | 80513 | 80513 | 20.0 | 159 | 300 | 8.9 |
| 27... | 0836 | 9 | 80513 | 80513 | 30.0 | 159 | 300 | 8.9 |
| 27... | 0838 | 9 | 80513 | 80513 | 40.0 | 159 | 300 | 8.9 |
| 27... | 0840 | 9 | 80513 | 80513 | 50.0 | 159 | 300 | 8.8 |
| 27... | 0842 | 9 | 80513 | 80513 | 60.0 | 159 | 300 | 8.8 |
| 27... | 0844 | 9 | 80513 | 80513 | 70.0 | 159 | 300 | 8.8 |
| 27... | 0846 | 9 | 80513 | 80513 | 80.0 | 159 | 300 | 8.8 |
| 27... | 0848 | 9 | 80513 | 80513 | 90.0 | 159 | 300 | 8.8 |
| 27... | 0850 | 9 | 80513 | 80513 | 100 | 159 | 300 | 8.8 |
| 27... | 0852 | 9 | 80513 | 80513 | 110 | 159 | 300 | 8.8 |
| 27... | 0854 | 9 | 80513 | 80513 | 120 | 159 | 300 | 8.8 |
| 27... | 0856 | 9 | 80513 | 80513 | 130 | 159 | 300 | 8.8 |
| 27... | 0858 | 9 | 80513 | 80513 | 140 | 159 | 300 | 8.8 |
| 27... | 0859 | 9 | 80513 | 80513 | 150 | 159 | 300 | 8.8 |
| 27... | 0900 | 9 | 80513 | 80513 | 159 | 159 | 300 | 8.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 27... | 0830 | 8.0 | 128 | 3.3 | 11.9 | 104 | 737 |
| 27... | 0832 | 8.0 | -- | -- | 11.9 | -- | -- |
| 27... | 0834 | 8.0 | -- | -- | 11.9 | -- | -- |
| 27... | 0836 | 8.0 | -- | -- | 11.8 | -- | -- |
| 27... | 0838 | 8.0 | -- | -- | 11.8 | -- | -- |
| 27... | 0840 | 7.5 | -- | -- | 11.7 | -- | -- |
| 27... | 0842 | 7.5 | -- | -- | 11.7 | -- | -- |
| 27... | 0844 | 7.0 | -- | -- | 11.7 | -- | -- |
| 27... | 0846 | 7.0 | -- | -- | 11.6 | -- | -- |
| 27... | 0848 | 7.0 | -- | -- | 11.6 | -- | -- |
| 27... | 0850 | 7.0 | -- | -- | 11.6 | -- | -- |
| 27... | 0852 | 7.0 | -- | -- | 11.6 | -- | -- |
| 27... | 0854 | 7.0 | -- | -- | 11.6 | -- | -- |
| 27... | 0856 | 7.0 | -- | -- | 11.5 | -- | -- |
| 27... | 0858 | 6.5 | -- | -- | 11.4 | -- | -- |
| 27... | 0859 | 6.5 | -- | -- | 11.4 | -- | -- |
| 27... | 0900 | 6.5 | -- | -- | 11.2 | -- | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 25... | 1110 | 9 | 80513 | 80513 | .00 | 163 | 305 | 8.7 |
| 25... | 1112 | 9 | 80513 | 80513 | 10.0 | 163 | 305 | 8.7 |
| 25... | 1114 | 9 | 80513 | 80513 | 20.0 | 163 | 305 | 8.7 |
| 25... | 1116 | 9 | 80513 | 80513 | 30.0 | 163 | 305 | 8.8 |
| 25... | 1118 | 9 | 80513 | 80513 | 40.0 | 163 | 305 | 8.8 |
| 25... | 1120 | 9 | 80513 | 80513 | 50.0 | 163 | 305 | 8.8 |
| 25... | 1122 | 9 | 80513 | 80513 | 60.0 | 163 | 305 | 8.7 |
| 25... | 1124 | 9 | 80513 | 80513 | 70.0 | 163 | 305 | 7.7 |
| 25... | 1126 | 9 | 80513 | 80513 | 80.0 | 163 | 300 | 8.7 |
| 25... | 1128 | 9 | 80513 | 80513 | 90.0 | 163 | 300 | 8.7 |
| 25... | 1130 | 9 | 80513 | 80513 | 100 | 163 | 300 | 8.7 |
| 25... | 1132 | 9 | 80513 | 80513 | 110 | 163 | 300 | 8.7 |
| 25... | 1134 | 9 | 80513 | 80513 | 120 | 163 | 300 | 8.7 |
| 25... | 1136 | 9 | 80513 | 80513 | 130 | 163 | 300 | 8.6 |
| 25... | 1138 | 9 | 80513 | 80513 | 140 | 163 | 300 | 8.6 |
| 25... | 1140 | 9 | 80513 | 80513 | 150 | 163 | 300 | 8.6 |
| 25... | 1142 | 9 | 80513 | 80513 | 160 | 163 | 300 | 8.6 |
| 25... | 1145 | 9 | 80513 | 80513 | 163 | 163 | 300 | 8.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 25... | 1110 | 12.0 | 220 | 5.6 | 10.9 | 104 | 744 |
| 25... | 1112 | 11.5 | -- | -- | 10.9 | -- | -- |
| 25... | 1114 | 11.5 | -- | -- | 11.1 | -- | -- |
| 25... | 1116 | 11.0 | -- | -- | 11.3 | -- | -- |
| 25... | 1118 | 11.0 | -- | -- | 11.5 | -- | -- |
| 25... | 1120 | 10.5 | -- | -- | 11.6 | -- | -- |
| 25... | 1122 | 10.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1124 | 10.0 | -- | -- | 11.7 | -- | -- |
| 25... | 1126 | 9.0 | -- | -- | 11.8 | -- | -- |
| 25... | 1128 | 8.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1130 | 8.0 | -- | -- | 11.7 | -- | -- |
| 25... | 1132 | 7.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1134 | 7.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1136 | 7.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1138 | 7.5 | -- | -- | 11.7 | -- | -- |
| 25... | 1140 | 7.5 | -- | -- | 11.6 | -- | -- |
| 25... | 1142 | 7.0 | -- | -- | 11.4 | -- | -- |
| 25... | 1145 | 7.0 | -- | -- | 11.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 29... | 1620 | 9 | 80513 | 80513 | .00 | 158 | 290 | 8.6 | 21.5 | 20.5 | 222 |
| 29... | 1621 | 9 | 80513 | 80010 | 3.00 | 158 | -- | -- | -- | -- | -- |
| 29... | 1622 | 9 | 80513 | 80513 | 10.0 | 158 | 290 | 8.5 | -- | 20.5 | -- |
| 29... | 1624 | 9 | 80513 | 80513 | 20.0 | 158 | 290 | 8.5 | -- | 20.0 | -- |
| 29... | 1625 | 9 | 80513 | 80010 | 25.0 | 158 | 290 | 8.5 | -- | 20.0 | -- |
| 29... | 1628 | 9 | 80513 | 80513 | 30.0 | 158 | 290 | 8.5 | -- | 20.0 | -- |
| 29... | 1630 | 9 | 80513 | 80513 | 40.0 | 158 | 290 | 8.5 | -- | 19.5 | -- |
| 29... | 1632 | 9 | 80513 | 80513 | 46.0 | 158 | 290 | 8.4 | -- | 18.5 | -- |
| 29... | 1634 | 9 | 80513 | 80513 | 47.0 | 158 | 290 | 8.4 | -- | 17.5 | -- |
| 29... | 1636 | 9 | 80513 | 80513 | 48.0 | 158 | 290 | 8.3 | -- | 16.5 | -- |
| 29... | 1638 | 9 | 80513 | 80513 | 50.0 | 158 | 285 | 8.3 | -- | 16.0 | -- |
| 29... | 1640 | 9 | 80513 | 80513 | 53.0 | 158 | 285 | 8.3 | -- | 15.0 | -- |
| 29... | 1642 | 9 | 80513 | 80513 | 56.0 | 158 | 285 | 8.2 | -- | 14.0 | -- |
| 29... | 1644 | 9 | 80513 | 80513 | 60.0 | 158 | 290 | 8.2 | -- | 13.5 | -- |
| 29... | 1646 | 9 | 80513 | 80513 | 65.0 | 158 | 290 | 8.2 | -- | 12.5 | -- |
| 29... | 1648 | 9 | 80513 | 80513 | 70.0 | 158 | 290 | 8.2 | -- | 11.5 | -- |
| 29... | 1650 | 9 | 80513 | 80513 | 80.0 | 158 | 290 | 8.1 | -- | 10.5 | -- |
| 29... | 1652 | 9 | 80513 | 80513 | 90.0 | 158 | 290 | 8.1 | -- | 9.5 | -- |
| 29... | 1655 | 9 | 80513 | 80010 | 100 | 158 | 290 | 8.0 | -- | 9.0 | -- |
| 29... | 1656 | 9 | 80513 | 80513 | 110 | 158 | 295 | 8.0 | -- | 9.0 | -- |
| 29... | 1658 | 9 | 80513 | 80513 | 120 | 158 | 295 | 8.0 | -- | 8.5 | -- |
| 29... | 1700 | 9 | 80513 | 80513 | 130 | 158 | 295 | 8.0 | -- | 8.5 | -- |
| 29... | 1702 | 9 | 80513 | 80513 | 140 | 158 | 295 | 8.0 | -- | 8.5 | -- |
| 29... | 1704 | 9 | 80513 | 80513 | 150 | 158 | 295 | 7.9 | -- | 8.0 | -- |
| 29... | 1705 | 9 | 80513 | 80513 | 158 | 158 | 295 | 7.9 | -- | 8.0 | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 29... | 1620 | 5.6 | 9.0 | 101 | 758 | -- | -- | -- | 2 | -- |
| 29... | 1621 | -- | -- | -- | 758 | -- | -- | -- | -- | -- |
| 29... | 1622 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1624 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1625 | -- | 9.1 | 101 | 758 | 5 | <1.0 | 1.2 | -- | 67 |
| 29... | 1628 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1630 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1632 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1634 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1636 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1638 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1640 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1642 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1644 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1646 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1648 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1650 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1652 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1655 | -- | 8.7 | 76 | 758 | 5 | <1.0 | .9 | -- | 66 |
| 29... | 1656 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1658 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1700 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1702 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1704 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1705 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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... | 1621 | .300 | .020 | .78 | .80 | 1.1 | <.010 | <.010 | <.100 | <.100 |
| 29... | 1625 | .300 | .080 | .72 | .80 | 1.1 | <.010 | <.010 | -- | -- |
| 29... | 1655 | .800 | .990 | 1.1 | 2.1 | 2.9 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 27... | 1100 | 9 | 80513 | 80513 | .00 | 158 | 325 | 8.6 |
| 27... | 1102 | 9 | 80513 | 80513 | 10.0 | 158 | 325 | 8.6 |
| 27... | 1104 | 9 | 80513 | 80513 | 17.0 | 158 | 315 | 8.7 |
| 27... | 1106 | 9 | 80513 | 80513 | 18.0 | 158 | 315 | 8.7 |
| 27... | 1108 | 9 | 80513 | 80513 | 20.0 | 158 | 315 | 8.7 |
| 27... | 1110 | 9 | 80513 | 80513 | 22.0 | 158 | 320 | 8.7 |
| 27... | 1112 | 9 | 80513 | 80513 | 25.0 | 158 | 325 | 8.6 |
| 27... | 1114 | 9 | 80513 | 80513 | 30.0 | 158 | 325 | 8.5 |
| 27... | 1116 | 9 | 80513 | 80513 | 33.0 | 158 | 325 | 8.5 |
| 27... | 1118 | 9 | 80513 | 80513 | 35.0 | 158 | 325 | 8.4 |
| 27... | 1120 | 9 | 80513 | 80513 | 38.0 | 158 | 325 | 8.3 |
| 27... | 1122 | 9 | 80513 | 80513 | 40.0 | 158 | 325 | 8.3 |
| 27... | 1124 | 9 | 80513 | 80513 | 45.0 | 158 | 320 | 8.2 |
| 27... | 1126 | 9 | 80513 | 80513 | 50.0 | 158 | 320 | 8.2 |
| 27... | 1128 | 9 | 80513 | 80513 | 55.0 | 158 | 320 | 8.2 |
| 27... | 1130 | 9 | 80513 | 80513 | 60.0 | 158 | 320 | 8.2 |
| 27... | 1132 | 9 | 80513 | 80513 | 65.0 | 158 | 320 | 8.2 |
| 27... | 1134 | 9 | 80513 | 80513 | 70.0 | 158 | 320 | 8.2 |
| 27... | 1136 | 9 | 80513 | 80513 | 80.0 | 158 | 325 | 8.2 |
| 27... | 1138 | 9 | 80513 | 80513 | 90.0 | 158 | 325 | 8.2 |
| 27... | 1140 | 9 | 80513 | 80513 | 100 | 158 | 325 | 8.2 |
| 27... | 1142 | 9 | 80513 | 80513 | 110 | 158 | 325 | 8.1 |
| 27... | 1144 | 9 | 80513 | 80513 | 120 | 158 | 330 | 8.1 |
| 27... | 1146 | 9 | 80513 | 80513 | 130 | 158 | 330 | 8.1 |
| 27... | 1148 | 9 | 80513 | 80513 | 140 | 158 | 330 | 8.1 |
| 27... | 1149 | 9 | 80513 | 80513 | 150 | 158 | 330 | 8.0 |
| 27... | 1150 | 9 | 80513 | 80513 | 158 | 158 | 335 | 8.0 |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 27... | 1100 | 27.0 | 256 | 6.5 | 8.2 | 105 | 747 |
| 27... | 1102 | 27.0 | -- | -- | 8.3 | -- | -- |
| 27... | 1104 | 26.0 | -- | -- | 11.2 | -- | -- |
| 27... | 1106 | 24.5 | -- | -- | 11.6 | -- | -- |
| 27... | 1108 | 23.5 | -- | -- | 11.2 | -- | -- |
| 27... | 1110 | 22.5 | -- | -- | 9.6 | -- | -- |
| 27... | 1112 | 21.5 | -- | -- | 8.7 | -- | -- |
| 27... | 1114 | 20.5 | -- | -- | 8.2 | -- | -- |
| 27... | 1116 | 19.5 | -- | -- | 7.8 | -- | -- |
| 27... | 1118 | 18.5 | -- | -- | 7.3 | -- | -- |
| 27... | 1120 | 17.5 | -- | -- | 7.2 | -- | -- |
| 27... | 1122 | 17.0 | -- | -- | 6.9 | -- | -- |
| 27... | 1124 | 16.0 | -- | -- | 6.4 | -- | -- |
| 27... | 1126 | 15.0 | -- | -- | 6.4 | -- | -- |
| 27... | 1128 | 14.0 | -- | -- | 6.2 | -- | -- |
| 27... | 1130 | 13.0 | -- | -- | 6.4 | -- | -- |
| 27... | 1132 | 12.0 | -- | -- | 6.7 | -- | -- |
| 27... | 1134 | 11.5 | -- | -- | 6.7 | -- | -- |
| 27... | 1136 | 11.0 | -- | -- | 6.9 | -- | -- |
| 27... | 1138 | 10.5 | -- | -- | 7.0 | -- | -- |
| 27... | 1140 | 9.5 | -- | -- | 7.0 | -- | -- |
| 27... | 1142 | 9.5 | -- | -- | 6.8 | -- | -- |
| 27... | 1144 | 9.0 | -- | -- | 6.6 | -- | -- |
| 27... | 1146 | 9.0 | -- | -- | 6.6 | -- | -- |
| 27... | 1148 | 9.0 | -- | -- | 6.4 | -- | -- |
| 27... | 1149 | 8.5 | -- | -- | 6.2 | -- | -- |
| 27... | 1150 | 8.5 | -- | -- | 5.6 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 18... | 1110 | 9 | 80513 | 80513 | .00 | 158 | 285 | 8.6 | 28.0 | 239 |
| 18... | 1111 | 9 | 80513 | 80010 | 3.00 | 158 | 280 | 8.6 | 28.0 | -- |
| 18... | 1112 | 9 | 80513 | 80513 | 10.0 | 158 | 280 | 8.5 | 28.0 | -- |
| 18... | 1114 | 9 | 80513 | 80513 | 20.0 | 158 | 280 | 8.5 | 28.0 | -- |
| 18... | 1116 | 9 | 80513 | 80513 | 26.0 | 158 | 280 | 8.6 | 27.0 | -- |
| 18... | 1118 | 9 | 80513 | 80513 | 27.0 | 158 | 280 | 8.6 | 26.0 | -- |
| 18... | 1120 | 9 | 80513 | 80513 | 28.0 | 158 | 285 | 8.6 | 24.5 | -- |
| 18... | 1122 | 9 | 80513 | 80513 | 30.0 | 158 | 285 | 8.6 | 23.5 | -- |
| 18... | 1124 | 9 | 80513 | 80513 | 33.0 | 158 | 285 | 8.6 | 22.5 | -- |
| 18... | 1126 | 9 | 80513 | 80513 | 37.0 | 158 | 290 | 8.5 | 21.5 | -- |
| 18... | 1128 | 9 | 80513 | 80513 | 40.0 | 158 | 290 | 8.3 | 20.5 | -- |
| 18... | 1130 | 9 | 80513 | 80513 | 43.0 | 158 | 290 | 8.2 | 19.5 | -- |
| 18... | 1132 | 9 | 80513 | 80513 | 46.0 | 158 | 290 | 8.2 | 18.5 | -- |
| 18... | 1134 | 9 | 80513 | 80513 | 48.0 | 158 | 290 | 8.1 | 17.5 | -- |
| 18... | 1136 | 9 | 80513 | 80513 | 50.0 | 158 | 290 | 8.1 | 16.5 | -- |
| 18... | 1138 | 9 | 80513 | 80513 | 53.0 | 158 | 290 | 8.0 | 15.5 | -- |
| 18... | 1140 | 9 | 80513 | 80513 | 57.0 | 158 | 290 | 8.0 | 14.5 | -- |
| 18... | 1142 | 9 | 80513 | 80513 | 60.0 | 158 | 290 | 8.0 | 13.5 | -- |
| 18... | 1144 | 9 | 80513 | 80513 | 70.0 | 158 | 295 | 8.0 | 12.5 | -- |
| 18... | 1146 | 9 | 80513 | 80513 | 80.0 | 158 | 295 | 8.0 | 11.5 | -- |
| 18... | 1148 | 9 | 80513 | 80513 | 90.0 | 158 | 300 | 7.9 | 10.5 | -- |
| 18... | 1150 | 9 | 80513 | 80513 | 100 | 158 | 300 | 7.9 | 9.5 | -- |
| 18... | 1152 | 9 | 80513 | 80513 | 110 | 158 | 300 | 7.9 | 9.5 | -- |
| 18... | 1154 | 9 | 80513 | 80513 | 120 | 158 | 305 | 7.8 | 9.0 | -- |
| 18... | 1156 | 9 | 80513 | 80513 | 130 | 158 | 305 | 7.8 | 9.0 | -- |
| 18... | 1158 | 9 | 80513 | 80513 | 140 | 158 | 305 | 7.8 | 8.5 | -- |
| 18... | 1159 | 9 | 80513 | 80513 | 150 | 158 | 305 | 7.7 | 8.0 | -- |
| 18... | 1200 | 9 | 80513 | 80513 | 158 | 158 | 305 | 7.7 | 8.0 | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 18... | 1110 | 6.1 | 8.1 | 105 | 751 | -- | -- | -- | -- |
| 18... | 1111 | -- | 8.0 | 104 | 751 | <.010 | <.010 | .700 | <.100 |
| 18... | 1112 | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 18... | 1114 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1116 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1118 | -- | 10.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1120 | -- | 10.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1122 | -- | 10.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1124 | -- | 9.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1126 | -- | 8.2 | -- | -- | -- | -- | -- | -- |
| 18... | 1128 | -- | 7.7 | -- | -- | -- | -- | -- | -- |
| 18... | 1130 | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1132 | -- | 6.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1134 | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 18... | 1136 | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1138 | -- | 5.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1140 | -- | 5.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1142 | -- | 4.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1144 | -- | 5.7 | -- | -- | -- | -- | -- | -- |
| 18... | 1146 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 18... | 1148 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 18... | 1150 | -- | 6.1 | -- | -- | -- | -- | -- | -- |
| 18... | 1152 | -- | 5.5 | -- | -- | -- | -- | -- | -- |
| 18... | 1154 | -- | 5.3 | -- | -- | -- | -- | -- | -- |
| 18... | 1156 | -- | 5.1 | -- | -- | -- | -- | -- | -- |
| 18... | 1158 | -- | 4.6 | -- | -- | -- | -- | -- | -- |
| 18... | 1159 | -- | 3.8 | -- | -- | -- | -- | -- | -- |
| 18... | 1200 | -- | 3.0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 16... | 0830 | 9 | 80513 | 80513 | .00 | 158 | 285 | 8.4 | 23.0 |
| 16... | 0831 | 9 | 80513 | 80010 | 3.00 | 158 | -- | -- | -- |
| 16... | 0832 | 9 | 80513 | 80513 | 10.0 | 158 | 280 | 8.5 | -- |
| 16... | 0834 | 9 | 80513 | 80513 | 20.0 | 158 | 280 | 8.5 | -- |
| 16... | 0835 | 9 | 80513 | 80010 | 25.0 | 158 | 280 | 8.6 | -- |
| 16... | 0836 | 9 | 80513 | 80513 | 28.0 | 158 | 290 | 8.5 | -- |
| 16... | 0838 | 9 | 80513 | 80513 | 30.0 | 158 | 300 | 8.5 | -- |
| 16... | 0840 | 9 | 80513 | 80513 | 33.0 | 158 | 300 | 8.5 | -- |
| 16... | 0842 | 9 | 80513 | 80513 | 35.0 | 158 | 300 | 8.4 | -- |
| 16... | 0844 | 9 | 80513 | 80513 | 36.0 | 158 | 300 | 8.4 | -- |
| 16... | 0846 | 9 | 80513 | 80513 | 40.0 | 158 | 300 | 8.3 | -- |
| 16... | 0848 | 9 | 80513 | 80513 | 43.0 | 158 | 300 | 8.1 | -- |
| 16... | 0850 | 9 | 80513 | 80513 | 45.0 | 158 | 300 | 8.0 | -- |
| 16... | 0852 | 9 | 80513 | 80513 | 48.0 | 158 | 300 | 7.9 | -- |
| 16... | 0854 | 9 | 80513 | 80513 | 50.0 | 158 | 300 | 7.9 | -- |
| 16... | 0856 | 9 | 80513 | 80513 | 55.0 | 158 | 300 | 7.8 | -- |
| 16... | 0858 | 9 | 80513 | 80513 | 57.0 | 158 | 300 | 7.8 | -- |
| 16... | 0900 | 9 | 80513 | 80513 | 60.0 | 158 | 300 | 7.8 | -- |
| 16... | 0902 | 9 | 80513 | 80513 | 65.0 | 158 | 300 | 7.8 | -- |
| 16... | 0904 | 9 | 80513 | 80513 | 70.0 | 158 | 305 | 7.8 | -- |
| 16... | 0906 | 9 | 80513 | 80513 | 80.0 | 158 | 305 | 7.8 | -- |
| 16... | 0908 | 9 | 80513 | 80513 | 90.0 | 158 | 305 | 7.8 | -- |
| 16... | 0910 | 9 | 80513 | 80010 | 100 | 158 | 310 | 7.8 | -- |
| 16... | 0912 | 9 | 80513 | 80513 | 110 | 158 | 315 | 7.7 | -- |
| 16... | 0914 | 9 | 80513 | 80513 | 120 | 158 | 320 | 7.7 | -- |
| 16... | 0916 | 9 | 80513 | 80513 | 130 | 158 | 320 | 7.6 | -- |
| 16... | 0918 | 9 | 80513 | 80513 | 140 | 158 | 320 | 7.6 | -- |
| 16... | 0919 | 9 | 80513 | 80513 | 150 | 158 | 320 | 7.6 | -- |
| 16... | 0920 | 9 | 80513 | 80513 | 158 | 158 | 320 | 7.5 | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 16... | 0830 | 27.5 | 259 | 6.6 | 8.5 | 109 | 754 | -- | -- |
| 16... | 0831 | -- | -- | -- | -- | -- | 754 | -- | -- |
| 16... | 0832 | 27.5 | -- | -- | 8.4 | -- | -- | -- | -- |
| 16... | 0834 | 27.5 | -- | -- | 8.4 | -- | -- | -- | -- |
| 16... | 0835 | 27.5 | -- | -- | 8.3 | 106 | 754 | 2 | 1.0 |
| 16... | 0836 | 26.5 | -- | -- | 10.0 | -- | -- | -- | -- |
| 16... | 0838 | 25.5 | -- | -- | 11.1 | -- | -- | -- | -- |
| 16... | 0840 | 24.5 | -- | -- | 10.8 | -- | -- | -- | -- |
| 16... | 0842 | 23.5 | -- | -- | 9.4 | -- | -- | -- | -- |
| 16... | 0844 | 22.5 | -- | -- | 8.6 | -- | -- | -- | -- |
| 16... | 0846 | 21.5 | -- | -- | 7.2 | -- | -- | -- | -- |
| 16... | 0848 | 20.5 | -- | -- | 6.1 | -- | -- | -- | -- |
| 16... | 0850 | 19.5 | -- | -- | 5.7 | -- | -- | -- | -- |
| 16... | 0852 | 18.5 | -- | -- | 4.5 | -- | -- | -- | -- |
| 16... | 0854 | 18.0 | -- | -- | 4.5 | -- | -- | -- | -- |
| 16... | 0856 | 17.0 | -- | -- | 4.1 | -- | -- | -- | -- |
| 16... | 0858 | 16.0 | -- | -- | 4.0 | -- | -- | -- | -- |
| 16... | 0900 | 15.5 | -- | -- | 4.0 | -- | -- | -- | -- |
| 16... | 0902 | 14.5 | -- | -- | 4.0 | -- | -- | -- | -- |
| 16... | 0904 | 13.5 | -- | -- | 4.1 | -- | -- | -- | -- |
| 16... | 0906 | 12.5 | -- | -- | 4.2 | -- | -- | -- | -- |
| 16... | 0908 | 11.5 | -- | -- | 4.6 | -- | -- | -- | -- |
| 16... | 0910 | 11.0 | -- | -- | 4.5 | 41 | 754 | 2 | .80 |
| 16... | 0912 | 10.5 | -- | -- | 4.0 | -- | -- | -- | -- |
| 16... | 0914 | 9.5 | -- | -- | 3.2 | -- | -- | -- | -- |
| 16... | 0916 | 9.5 | -- | -- | 2.9 | -- | -- | -- | -- |
| 16... | 0918 | 9.0 | -- | -- | 2.4 | -- | -- | -- | -- |
| 16... | 0919 | 8.5 | -- | -- | .9 | -- | -- | -- | -- |
| 16... | 0920 | 8.5 | -- | -- | .2 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 16... | 0830 | -- | K3 | -- | -- | -- | -- | -- | -- |
| 16... | 0831 | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 16... | 0835 | .3 | -- | 146 | <.100 | <.010 | <.010 | -- | -- |
| 16... | 0910 | .4 | -- | 162 | .500 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 19... | 1200 | 9 | 80513 | 80513 | .00 | 154 | 280 | 8.7 | 25.0 | 163 |
| 19... | 1201 | 9 | 80513 | 80010 | 3.00 | 154 | 280 | 8.7 | 25.0 | -- |
| 19... | 1202 | 9 | 80513 | 80513 | 10.0 | 154 | 280 | 8.7 | 24.5 | -- |
| 19... | 1204 | 9 | 80513 | 80513 | 20.0 | 154 | 280 | 8.8 | 24.5 | -- |
| 19... | 1206 | 9 | 80513 | 80513 | 30.0 | 154 | 280 | 8.8 | 24.5 | -- |
| 19... | 1208 | 9 | 80513 | 80513 | 40.0 | 154 | 280 | 8.8 | 24.5 | -- |
| 19... | 1210 | 9 | 80513 | 80513 | 44.0 | 154 | 295 | 8.3 | 23.5 | -- |
| 19... | 1212 | 9 | 80513 | 80513 | 45.0 | 154 | 300 | 8.2 | 22.5 | -- |
| 19... | 1214 | 9 | 80513 | 80513 | 47.0 | 154 | 300 | 8.0 | 21.5 | -- |
| 19... | 1216 | 9 | 80513 | 80513 | 50.0 | 154 | 300 | 7.9 | 20.5 | -- |
| 19... | 1218 | 9 | 80513 | 80513 | 55.0 | 154 | 300 | 7.9 | 19.5 | -- |
| 19... | 1220 | 9 | 80513 | 80513 | 57.0 | 154 | 300 | 7.9 | 18.5 | -- |
| 19... | 1222 | 9 | 80513 | 80513 | 60.0 | 154 | 300 | 7.9 | 17.5 | -- |
| 19... | 1224 | 9 | 80513 | 80513 | 64.0 | 154 | 300 | 7.9 | 16.5 | -- |
| 19... | 1226 | 9 | 80513 | 80513 | 67.0 | 154 | 300 | 7.9 | 15.5 | -- |
| 19... | 1228 | 9 | 80513 | 80513 | 70.0 | 154 | 300 | 7.9 | 15.0 | -- |
| 19... | 1230 | 9 | 80513 | 80513 | 75.0 | 154 | 300 | 7.9 | 14.0 | -- |
| 19... | 1232 | 9 | 80513 | 80513 | 80.0 | 154 | 300 | 7.9 | 13.5 | -- |
| 19... | 1234 | 9 | 80513 | 80513 | 90.0 | 154 | 300 | 7.9 | 12.5 | -- |
| 19... | 1236 | 9 | 80513 | 80513 | 100 | 154 | 305 | 7.9 | 11.5 | -- |
| 19... | 1238 | 9 | 80513 | 80513 | 110 | 154 | 305 | 7.9 | 11.0 | -- |
| 19... | 1240 | 9 | 80513 | 80513 | 120 | 154 | 315 | 7.9 | 10.5 | -- |
| 19... | 1242 | 9 | 80513 | 80513 | 130 | 154 | 320 | 7.9 | 10.0 | -- |
| 19... | 1244 | 9 | 80513 | 80513 | 140 | 154 | 0 | 7.8 | 9.5 | -- |
| 19... | 1246 | 9 | 80513 | 80513 | 150 | 154 | 320 | 7.8 | 9.5 | -- |
| 19... | 1250 | 9 | 80513 | 80513 | 154 | 154 | 320 | 7.8 | 9.0 | -- |

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 19... | 1200 | 4.2 | 8.0 | 98 | 755 | -- | -- | -- | -- |
| 19... | 1201 | -- | 8.0 | 98 | 755 | .010 | <.010 | 1.50 | <.100 |
| 19... | 1202 | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1204 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 19... | 1206 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 19... | 1208 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 19... | 1210 | -- | 4.4 | -- | -- | -- | -- | -- | -- |
| 19... | 1212 | -- | 3.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1214 | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 19... | 1216 | -- | 1.3 | -- | -- | -- | -- | -- | -- |
| 19... | 1218 | -- | 1.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1220 | -- | .7 | -- | -- | -- | -- | -- | -- |
| 19... | 1222 | -- | .7 | -- | -- | -- | -- | -- | -- |
| 19... | 1224 | -- | 1.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1226 | -- | 1.3 | -- | -- | -- | -- | -- | -- |
| 19... | 1228 | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 19... | 1230 | -- | 1.7 | -- | -- | -- | -- | -- | -- |
| 19... | 1232 | -- | 1.8 | -- | -- | -- | -- | -- | -- |
| 19... | 1234 | -- | 2.0 | -- | -- | -- | -- | -- | -- |
| 19... | 1236 | -- | 1.7 | -- | -- | -- | -- | -- | -- |
| 19... | 1238 | -- | 1.6 | -- | -- | -- | -- | -- | -- |
| 19... | 1240 | -- | .7 | -- | -- | -- | -- | -- | -- |
| 19... | 1242 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 19... | 1244 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 19... | 1246 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 19... | 1250 | -- | .1 | -- | -- | -- | -- | -- | -- |

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

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

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

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

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

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 05... | 0930 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 140 | 160 |
| 19... | 1300 | 9 | 80513 | 80010 | 1460 | 295 | 7.5 | 13.5 | 4.8 | 220 | 500 |
| NOV | | | | | | | | | | | |
| 02... | 0730 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | 200 | 410 |
| 15... | 1055 | 9 | 80513 | 80010 | 830 | 340 | 8.4 | 11.5 | 9.6 | 170 | 300 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|
| DEC | | | | | | |
| 05... | 1200 | 9 | 80513 | 80010 | 180 | 330 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | |
| 24... | 1420 | 9 | 80513 | 80513 | 230 | 325 | 8.3 | 6.5 | 13.3 |
| FEB | | | | | | | | | |
| 14... | 1300 | 9 | 80513 | 80010 | 60 | 315 | 8.4 | 21.0 | 8.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1300 | 15.6 | 134 | 752 | 1 | 17 | 1.7 | 0 | 170 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1300 | 13 | 13 | 32 | 80 | 21 | 154 | 6.5 | 4.9 |

| DATE | TIME | 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) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1300 | .100 | <.010 | .80 | .90 | .010 | <.010 | 210 | 30 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| MAR 27... | 0800 | 9 | 80513 | 80513 | 3580 | 295 | 8.8 | 7.0 | 11.8 |
| APR 25... | 1050 | 9 | 80513 | 80513 | 4050 | 285 | 8.3 | 9.0 | 10.8 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 29... | 1710 | 9 | 80513 | 80010 | 1210 | 295 | 8.2 | 23.5 | 11.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 29... | 1710 | 7.8 | 72 | 760 | 5 | <1.0 | .9 | 26 | 48 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY 29... | 1710 | .300 | .180 | .92 | 1.1 | 1.4 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 27... | 1040 | 9 | 80513 | 80513 | 1740 | 315 | 7.7 | 10.0 | 6.8 |
| JUL 18... | 1050 | 9 | 80513 | 80513 | 1640 | 300 | 7.9 | 11.0 | 7.8 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 16... | 0800 | 9 | 80513 | 80010 | 1650 | 305 | 7.6 | 19.0 | 12.0 | 5.5 | 51 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 16... | 0800 | 757 | 2 | 2.0 | .8 | 15 | 160 | .400 | .040 | .020 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP 19... | 1130 | 9 | 80513 | 80010 | 2590 | 305 | 7.8 | 13.5 | 4.9 | 100 | 90 |

## 07060500 WHITE RIVER AT CALICO ROCK, AR

LOCATION.--Lat 36°06'58", long 92°08'35", in SE 1/4 NE 1/4 sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft 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 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.--Records good. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft, since July 24, 1951, by Bull Shoals Lake, 59.5 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

AVERAGE DISCHARGE.--45 years, 9,825 $ft^3/s$, 7,118,000 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, 46,700 $ft^3/s$ May 8, gage height, 15.66 ft; minimum, 672 $ft^3/s$ Oct. 31; minimum daily, 681 $ft^3/s$ Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2100 | 1420 | 15100 | 5950 | 3410 | 2380 | 24900 | 22900 | 14300 | 1740 | 4760 | 4770 |
| 2 | 4010 | 1630 | 15300 | 3470 | 2430 | 4690 | 26300 | 21800 | 12300 | 2920 | 9880 | 5840 |
| 3 | 2560 | 1700 | 12100 | 2790 | 2790 | 13700 | 22900 | 20600 | 8190 | 4260 | 9500 | 1740 |
| 4 | 3400 | 1610 | 15200 | 4550 | 2470 | 8610 | 19200 | 13100 | 6670 | 2830 | 4880 | 2150 |
| 5 | 2850 | 1350 | 9160 | 2700 | 1630 | 8770 | 21100 | 13700 | 7150 | 2410 | 2560 | 5470 |
| 6 | 2150 | 877 | 15300 | 2930 | 3500 | 12000 | 20200 | 12000 | 9640 | 4050 | 3280 | 4380 |
| 7 | 1160 | 1460 | 16500 | 5170 | 6990 | 22700 | 17300 | 23300 | 7070 | 5730 | 10400 | 4220 |
| 8 | 1020 | 1200 | 20300 | 1960 | 4660 | 17000 | 17500 | 45500 | 11000 | 3660 | 11300 | 5260 |
| 9 | 1090 | 1280 | 18500 | 1770 | 5080 | 19100 | 14800 | 25600 | 13300 | 6760 | 8780 | 2130 |
| 10 | 1280 | 2530 | 15400 | 1840 | 2920 | 15900 | 16200 | 14000 | 12300 | 12700 | 7430 | 3260 |
| 11 | 2480 | 3320 | 11500 | 5220 | 1360 | 19400 | 13800 | 16100 | 3580 | 9860 | 3140 | 13300 |
| 12 | 1800 | 1400 | 10700 | 9930 | 2960 | 17800 | 13400 | 15800 | 12700 | 3860 | 2770 | 10400 |
| 13 | 2150 | 783 | 21100 | 6920 | 7620 | 14600 | 16100 | 15800 | 15300 | 5140 | 2920 | 11100 |
| 14 | 2400 | 1110 | 16800 | 4000 | 8560 | 12600 | 18600 | 14900 | 12900 | 6640 | 8860 | 8450 |
| 15 | 1340 | 2220 | 19200 | 3020 | 6590 | 13100 | 20500 | 13500 | 7890 | 12200 | 7140 | 3830 |
| 16 | 1200 | 2590 | 18200 | 2800 | 5280 | 8750 | 21300 | 10700 | 6080 | 4760 | 10100 | 1480 |
| 17 | 1760 | 1850 | 12100 | 5300 | 4650 | 7580 | 22600 | 11900 | 5580 | 3620 | 8890 | 1620 |
| 18 | 3770 | 5920 | 9840 | 4760 | 5390 | 8900 | 24300 | 13700 | 4530 | 2350 | 8260 | 2860 |
| 19 | 3520 | 7320 | 20800 | 4730 | 5030 | 11000 | 26400 | 15700 | 8320 | 6650 | 6980 | 3030 |
| 20 | 3590 | 5030 | 25100 | 5330 | 3000 | 21800 | 24500 | 16200 | 5320 | 8900 | 3040 | 4370 |
| 21 | 4340 | 3490 | 20800 | 7780 | 3220 | 25100 | 24300 | 18000 | 6420 | 10000 | 8040 | 3900 |
| 22 | 3590 | 12000 | 23600 | 3370 | 2760 | 22700 | 19900 | 15200 | 6970 | 9340 | 8890 | 4300 |
| 23 | 1580 | 13000 | 25600 | 2200 | 2940 | 24000 | 24400 | 10300 | 10600 | 7140 | 9710 | 1900 |
| 24 | 1330 | 9730 | 27100 | 2300 | 3490 | 22600 | 26700 | 10200 | 3280 | 9670 | 3360 | 3250 |
| 25 | 1310 | 4500 | 28100 | 2340 | 3140 | 21100 | 28900 | 7520 | 3470 | 8690 | 2980 | 10500 |
| 26 | 1930 | 2880 | 26200 | 2470 | 4520 | 21900 | 29000 | 11100 | 6680 | 9680 | 5250 | 6330 |
| 27 | 1950 | 3510 | 19200 | 2790 | 2390 | 25900 | 30900 | 4290 | 5310 | 8950 | 3120 | 3010 |
| 28 | 1680 | 5800 | 15600 | 4800 | 2380 | 28600 | 25000 | 5210 | 5180 | 5340 | 10200 | 1880 |
| 29 | 1460 | 15700 | 19000 | 3120 | 2380 | 29700 | 24100 | 6150 | 4490 | 2920 | 13500 | 4420 |
| 30 | 1280 | 13400 | 18300 | 4220 | --- | 29200 | 23900 | 7870 | 3060 | 3300 | 13200 | 10800 |
| 31 | 681 | --- | 10600 | 7240 | --- | 26500 | --- | 9510 | --- | 6010 | 8370 | --- |
| TOTAL | 66761 | 130610 | 552300 | 127770 | 113540 | 537680 | 659000 | 462150 | 239580 | 192080 | 221490 | 149950 |
| MEAN | 2154 | 4354 | 17820 | 4122 | 3915 | 17340 | 21970 | 14910 | 7986 | 6196 | 7145 | 4998 |
| MAX | 4340 | 15700 | 28100 | 9930 | 8560 | 29700 | 30900 | 45500 | 15300 | 12700 | 13500 | 13300 |
| MIN | 681 | 783 | 9160 | 1770 | 1360 | 2380 | 13400 | 4290 | 3060 | 1740 | 2560 | 1480 |
| AC-FT | 132400 | 259100 | 1095000 | 253400 | 225200 | 1066000 | 1307000 | 916700 | 475200 | 381000 | 439300 | 297400 |

CAL YR 1983 TOTAL 4923035 MEAN 13490 MAX 36300 MIN 681 AC-FT 9765000
WTR YR 1984 TOTAL 3452911 MEAN 9434 MAX 45500 MIN 681 AC-FT 6849000

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1966 to September 1981.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1130 | 9 | 80513 | 80010 | 1610 | 285 | 7.7 | 18.0 | 15.5 | 7.6 | 77 |
| JAN 04... | 1315 | 9 | 80513 | 80010 | 4980 | 280 | 7.6 | 14.0 | 6.0 | 11.0 | 89 |
| FEB 22... | 1400 | 9 | 80513 | 80010 | 2500 | 254 | 7.9 | 23.0 | 10.0 | 14.9 | 134 |
| APR 24... | 1300 | 9 | 80513 | 80010 | 23900 | 260 | 8.2 | 15.0 | 10.0 | 11.6 | 105 |
| JUN 12... | 1400 | 9 | 80513 | 80010 | 11100 | 270 | 8.2 | 27.0 | 15.0 | 10.4 | 103 |
| AUG 01... | 1200 | 9 | 80513 | 80010 | 5160 | 317 | 8.1 | 34.0 | 15.0 | 9.5 | 95 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1130 | 758 | 1.1 | 34 | 150 | 160 | 9 | 9 | 37 | 17 | 1.7 |
| JAN 04... | 1315 | 755 | 3.6 | 1 | 16 | 160 | 8 | 8 | 42 | 13 | 2.8 |
| FEB 22... | 1400 | 751 | 1.5 | 1 | 1 | 140 | 8 | 8 | 36 | 11 | 2.4 |
| APR 24... | 1300 | 748 | 1.8 | 9 | 92 | 140 | 9 | 9 | 37 | 11 | 2.0 |
| JUN 12... | 1400 | 760 | 1.4 | 40 | 330 | 140 | 16 | 16 | 38 | 12 | 2.4 |
| AUG 01... | 1200 | 756 | 1.8 | 16 | 28 | 150 | 6 | 6 | 36 | 15 | 2.0 |

| DATE | TIME | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | NITROGEN, NITRATE TOTAL (MG/L AS N) (00620) | NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618) | NITROGEN, NITRITE TOTAL (MG/L AS N) (00615) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1130 | 2 | .0 | 1.5 | 154 | 7.1 | 3.3 | <.10 | .280 | -- | .020 |
| JAN 04... | 1315 | 4 | .1 | 1.5 | 151 | 8.0 | 4.7 | <.10 | -- | -- | <.010 |
| FEB 22... | 1400 | 4 | .0 | 1.2 | 127 | 7.8 | 4.4 | <.10 | -- | -- | <.010 |
| APR 24... | 1300 | 3 | .0 | 1.4 | 129 | 7.8 | 4.1 | <.10 | .290 | .260 | .010 |
| JUN 12... | 1400 | 3 | .0 | 1.5 | 128 | 8.4 | 4.6 | <.10 | -- | -- | <.010 |
| AUG 01... | 1200 | 3 | .0 | 1.3 | 146 | 7.3 | 4.0 | <.10 | -- | -- | <.010 |

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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, ORGANIC DISSOLVED (MG/L AS N) (00607) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624) | NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 19... | 1130 | <.010 | .300 | .300 | .040 | .110 | .26 | .00 | .30 | .20 | .10 |
| JAN | | | | | | | | | | | |
| 04... | 1315 | <.010 | .400 | .350 | .040 | .050 | .66 | .85 | .70 | .00 | .90 |
| FEB | | | | | | | | | | | |
| 22... | 1400 | <.010 | <.100 | -- | .020 | .190 | .58 | .51 | .60 | .00 | .70 |
| APR | | | | | | | | | | | |
| 24... | 1300 | .010 | .300 | .270 | .070 | .090 | 1.8 | .91 | 1.9 | .90 | 1.0 |
| JUN | | | | | | | | | | | |
| 12... | 1400 | .020 | .200 | <.100 | .090 | .050 | .81 | .75 | .90 | -- | .80 |
| AUG | | | | | | | | | | | |
| 01... | 1200 | <.010 | .300 | .370 | .020 | .090 | -- | -- | <.10 | -- | <.10 |

| DATE | TIME | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN DISSOLVED (MG/L AS N) (00602) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 19... | 1130 | .60 | .40 | .010 | <.010 | 50 | 1 | 20 | <1 | 5 |
| JAN | | | | | | | | | | |
| 04... | 1315 | 1.1 | 1.3 | .030 | .010 | -- | -- | <20 | -- | -- |
| FEB | | | | | | | | | | |
| 22... | 1400 | -- | -- | <.010 | <.010 | -- | -- | <20 | -- | -- |
| APR | | | | | | | | | | |
| 24... | 1300 | 2.2 | 1.3 | .010 | <.010 | -- | -- | <20 | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 1400 | 1.1 | -- | .010 | <.010 | -- | -- | <20 | -- | -- |
| AUG | | | | | | | | | | |
| 01... | 1200 | -- | -- | <.010 | <.010 | -- | -- | <20 | -- | -- |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 19... | 1130 | <1 | 2 | 100 | 2 | 40 | <.1 | 1 | <1 | 10 |

07060590 MILL CREEK NEAR MELBOURNE, AR

LOCATION.--Lat 36°03'13", long 91°54'58", in SE 1/4 NE 1/4 sec.11, T.16 N., R.9 W., Izard County, Hydrologic Unit 11010004, at upstream side of bridge on State Highway 9, 0.4 mi southwest of water tower, and 0.6 mi south of intersection of State Highways 9 and 69.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0930 | 9 | 9827 | 9827 | 7.5 | 12.0 | 13.0 | 4.0 | 6.0 |
| DEC | | | | | | | | | |
| 13... | 1000 | 9 | 9827 | 9827 | 7.7 | 5.0 | 11.0 | 6.0 | 9.5 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0945 | 9 | 9827 | 9827 | 7.6 | -5.0 | 5.0 | 3.0 | -- |
| FEB | | | | | | | | | |
| 14... | 1000 | 9 | 9827 | 9827 | 7.7 | 9.0 | 11.0 | 20 | 9.9 |
| MAR | | | | | | | | | |
| 13... | 0930 | 9 | 9827 | 9827 | 7.6 | 9.0 | 11.0 | 6.5 | 9.9 |
| APR | | | | | | | | | |
| 10... | 0930 | 9 | 9827 | 9827 | 7.7 | 14.0 | 14.0 | 15 | 10.0 |
| MAY | | | | | | | | | |
| 08... | 1000 | 9 | 9827 | 9827 | 7.6 | 14.0 | 14.0 | 30 | 9.7 |
| JUN | | | | | | | | | |
| 05... | 1015 | 9 | 9827 | 9827 | 7.7 | 32.0 | 20.0 | 4.0 | 8.8 |
| JUL | | | | | | | | | |
| 17... | 1030 | 9 | 9827 | 9827 | 7.6 | 35.0 | 22.0 | 7.0 | 6.3 |
| AUG | | | | | | | | | |
| 14... | 1000 | 9 | 9827 | 9827 | 7.7 | 24.0 | 21.0 | 5.7 | 5.4 |
| SEP | | | | | | | | | |
| 11... | 0945 | 9 | 9827 | 9827 | 7.7 | 24.0 | 22.0 | -- | 5.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0930 | 2.4 | 590 | 1.0 | 30 | 262 | .36 | 4 | -- |
| DEC | | | | | | | | | |
| 13... | 1000 | 1.6 | 360 | 4.0 | 13 | 211 | .29 | 8 | 1.4 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0945 | 1.8 | 700 | 4.0 | 16 | 224 | .30 | 4 | 1.3 |
| FEB | | | | | | | | | |
| 14... | 1000 | 2.4 | 930 | 8.0 | 11 | 213 | .29 | 15 | 1.4 |
| MAR | | | | | | | | | |
| 13... | 0930 | 1.4 | 370 | 6.0 | 10 | 202 | .27 | 10 | -- |
| APR | | | | | | | | | |
| 10... | 0930 | 1.9 | 330 | 4.0 | 6.5 | 165 | .22 | 16 | 1.1 |
| MAY | | | | | | | | | |
| 08... | 1000 | 2.0 | 2600 | -- | 6.0 | 159 | .22 | 32 | .81 |
| JUN | | | | | | | | | |
| 05... | 1015 | 3.2 | 1600 | 4.0 | 12 | 202 | .27 | 7 | 2.2 |
| JUL | | | | | | | | | |
| 17... | 1030 | 2.8 | 760 | 6.0 | 19 | 213 | .29 | 6 | 1.1 |
| AUG | | | | | | | | | |
| 14... | 1000 | 2.3 | 390 | 3.0 | 22 | 230 | .31 | 10 | 1.3 |
| SEP | | | | | | | | | |
| 11... | 0945 | 3.4 | 220 | 4.0 | 31 | 234 | .32 | 10 | 1.6 |

07060590 MILL CREEK NEAR MELBOURNE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0930 | .560 | .260 | .180 | 0 | 1 | 34 | 16 | 30 |
| DEC | | | | | | | | | |
| 13... | 1000 | .160 | .080 | <.010 | 0 | <1 | 40 | 34 | 30 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0945 | .490 | .190 | .120 | 0 | 2 | 37 | 73 | 50 |
| FEB | | | | | | | | | |
| 14... | 1000 | .310 | .150 | .090 | 0 | <1 | -- | -- | -- |
| MAR | | | | | | | | | |
| 13... | 0930 | .150 | .200 | -- | 0 | <1 | 41 | 17 | 40 |
| APR | | | | | | | | | |
| 10... | 0930 | .120 | .140 | .090 | 0 | <1 | 25 | 10 | -- |
| MAY | | | | | | | | | |
| 08... | 1000 | .130 | .140 | .050 | 0 | <1 | -- | 21 | -- |
| JUN | | | | | | | | | |
| 05... | 1015 | .070 | .060 | <.010 | -- | <1 | <10 | 7 | 20 |
| JUL | | | | | | | | | |
| 17... | 1030 | .080 | .110 | .060 | 0 | <1 | <10 | 6 | 20 |
| AUG | | | | | | | | | |
| 14... | 1000 | .110 | .090 | .050 | 0 | <1 | <10 | 8 | 20 |
| SEP | | | | | | | | | |
| 11... | 0945 | .210 | .200 | .120 | 0 | <1 | 38 | 15 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 14... | 1000 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

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

LOCATION.--Lat 35°59'43", long 92°12'45", in SW 1/4 NW 1/4 sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, in 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Aug. 1 to Sept. 10, which are poor.

AVERAGE DISCHARGE.--18 years, 47.1 $ft^3/s$, 11.01 in/yr, 34,120 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.--Maximum discharge, 5,290 $ft^3/s$ May 7, at 1200 hours, gage height, 10.13 ft, no other peak above base of 2,800 $ft^3/s$; minimum daily, 3.0 $ft^3/s$ Aug. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.1 | 6.3 | 22 | 9.8 | 12 | 71 | 91 | 38 | 22 | 6.5 | 3.0 | 5.0 |
| 2 | 3.1 | 6.4 | 21 | 10 | 12 | 82 | 80 | 38 | 21 | 6.3 | 3.0 | 5.0 |
| 3 | 3.2 | 7.1 | 141 | 11 | 12 | 81 | 107 | 47 | 19 | 6.2 | 3.5 | 6.5 |
| 4 | 3.3 | 19 | 141 | 11 | 12 | 192 | 109 | 50 | 18 | 6.3 | 6.5 | 7.0 |
| 5 | 3.4 | 18 | 72 | 12 | 11 | 258 | 96 | 50 | 18 | 6.4 | 7.0 | 6.0 |
| 6 | 3.3 | 12 | 49 | 13 | 11 | 138 | 80 | 151 | 17 | 6.1 | 6.0 | 5.5 |
| 7 | 3.6 | 9.6 | 33 | 14 | 11 | 101 | 73 | 1390 | 17 | 6.0 | 9.5 | 5.0 |
| 8 | 3.9 | 8.7 | 25 | 13 | 11 | 80 | 145 | 449 | 16 | 6.0 | 6.5 | 5.0 |
| 9 | 3.9 | 8.3 | 20 | 12 | 11 | 62 | 246 | 177 | 16 | 6.0 | 4.5 | 4.5 |
| 10 | 4.0 | 8.4 | 18 | 13 | 11 | 52 | 165 | 121 | 14 | 5.8 | 6.5 | 8.5 |
| 11 | 4.2 | 8.6 | 43 | 14 | 20 | 47 | 125 | 96 | 13 | 5.6 | 6.0 | 5.3 |
| 12 | 5.0 | 8.8 | 48 | 13 | 131 | 49 | 105 | 76 | 12 | 6.1 | 5.5 | 5.0 |
| 13 | 5.7 | 8.6 | 37 | 12 | 109 | 58 | 86 | 65 | 11 | 6.1 | 5.5 | 4.5 |
| 14 | 5.6 | 8.8 | 31 | 12 | 77 | 55 | 75 | 56 | 11 | 6.4 | 5.0 | 4.5 |
| 15 | 5.3 | 9.3 | 26 | 12 | 60 | 52 | 69 | 52 | 11 | 6.4 | 5.0 | 5.5 |
| 16 | 5.0 | 10 | 21 | 12 | 46 | 49 | 62 | 48 | 10 | 7.4 | 5.0 | 6.0 |
| 17 | 5.3 | 9.7 | 18 | 12 | 36 | 105 | 58 | 41 | 11 | 9.7 | 5.0 | 5.0 |
| 18 | 6.4 | 9.8 | 16 | 12 | 32 | 127 | 53 | 40 | 10 | 9.2 | 4.5 | 5.0 |
| 19 | 6.3 | 42 | 15 | 11 | 30 | 104 | 50 | 39 | 10 | 7.2 | 4.5 | 4.5 |
| 20 | 6.1 | 69 | 14 | 10 | 28 | 85 | 48 | 39 | 14 | 6.3 | 6.0 | 4.5 |
| 21 | 8.9 | 33 | 14 | 9.0 | 25 | 70 | 60 | 38 | 19 | 5.6 | 6.0 | 6.0 |
| 22 | 9.5 | 19 | 13 | 9.4 | 24 | 60 | 73 | 36 | 12 | 5.4 | 5.5 | 7.0 |
| 23 | 7.6 | 432 | 12 | 11 | 23 | 52 | 66 | 33 | 10 | 5.2 | 5.0 | 8.0 |
| 24 | 6.6 | 90 | 9.6 | 12 | 22 | 72 | 61 | 32 | 8.8 | 4.9 | 5.0 | 7.0 |
| 25 | 6.0 | 47 | 9.8 | 13 | 21 | 89 | 56 | 31 | 8.2 | 4.5 | 5.0 | 6.0 |
| 26 | 6.1 | 27 | 9.9 | 13 | 23 | 81 | 51 | 31 | 7.5 | 4.5 | 5.5 | 5.5 |
| 27 | 6.0 | 122 | 9.9 | 13 | 111 | 77 | 50 | 33 | 7.4 | 4.4 | 5.5 | 6.0 |
| 28 | 6.2 | 113 | 11 | 13 | 100 | 149 | 46 | 33 | 7.1 | 4.1 | 5.0 | 5.1 |
| 29 | 6.1 | 58 | 11 | 13 | 79 | 181 | 44 | 30 | 6.8 | 3.8 | 5.0 | 4.6 |
| 30 | 6.3 | 34 | 9.8 | 12 | --- | 125 | 41 | 27 | 6.5 | 3.6 | 5.0 | 4.3 |
| 31 | 6.3 | --- | 9.9 | 12 | --- | 102 | --- | 25 | --- | 3.2 | 5.0 | --- |
| TOTAL | 165.3 | 1263.4 | 930.9 | 369.2 | 1111 | 2906 | 2471 | 3412 | 384.3 | 181.2 | 165.5 | 167.3 |
| MEAN | 5.33 | 42.1 | 30.0 | 11.9 | 38.3 | 93.7 | 82.4 | 110 | 12.8 | 5.85 | 5.34 | 5.58 |
| MAX | 9.5 | 432 | 141 | 14 | 131 | 258 | 246 | 1390 | 22 | 9.7 | 9.5 | 8.5 |
| MIN | 3.1 | 6.3 | 9.6 | 9.0 | 11 | 47 | 41 | 25 | 6.5 | 3.2 | 3.0 | 4.3 |
| CFSM | .09 | .72 | .52 | .20 | .66 | 1.61 | 1.42 | 1.89 | .22 | .10 | .09 | .10 |
| IN. | .11 | .81 | .60 | .24 | .71 | 1.86 | 1.58 | 2.18 | .25 | .12 | .11 | .11 |
| AC-FT | 328 | 2510 | 1850 | 732 | 2200 | 5760 | 4900 | 6770 | 762 | 359 | 328 | 332 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 13512.1 | MEAN | 37.0 | MAX | 760 | MIN | 3.1 | CFSM | .64 | IN. | 8.65 | AC-FT | 26800 |
| WTR YR 1984 | TOTAL | 13527.1 | MEAN | 37.0 | MAX | 1390 | MIN | 3.0 | CFSM | .64 | IN. | 8.66 | AC-FT | 26830 |

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1030 | 9 | 80513 | 80010 | 4.6 | 270 | 8.0 | 17.0 | 17.0 | <1.0 | 8.4 |
| FEB 22... | 1515 | 9 | 80513 | 80020 | 18 | 244 | 8.1 | 23.5 | 10.0 | 1.7 | 11.4 |
| APR 24... | 1415 | 9 | 80513 | 80010 | 56 | 231 | 8.3 | 27.0 | 16.0 | <1.0 | 11.0 |
| MAY 17... | 0950 | 9 | 80513 | 80010 | 53 | 256 | 8.3 | 22.5 | 15.5 | <1.0 | 10.0 |
| JUN 12... | 1500 | 9 | 80513 | 80010 | 11 | 270 | 8.2 | 29.0 | 27.0 | 1.5 | 8.7 |
| AUG 01... | 1300 | 9 | 80513 | 80010 | 3.2 | 268 | 8.6 | 33.0 | 24.0 | .80 | 9.1 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1030 | 88 | 755 | 4 | 170 | 150 | 7 | 7 | 47 | 7.1 | 1.5 |
| FEB 22... | 1515 | 103 | 746 | 0 | 1 | 120 | 3 | 3 | 40 | 5.7 | 1.2 |
| APR 24... | 1415 | 114 | 744 | 1 | 110 | 120 | 7 | 7 | 41 | 4.7 | 1.1 |
| MAY 17... | 0950 | 102 | 752 | 3 | 83 | 130 | 2 | 2 | 45 | 5.2 | 1.2 |
| JUN 12... | 1500 | 110 | 758 | 5 | 87 | 140 | 7 | 7 | 48 | 6.1 | 1.7 |
| AUG 01... | 1300 | 110 | 753 | 28 | 84 | 130 | 0 | 0 | 41 | 5.9 | 1.4 |

| DATE | TIME | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1030 | 2 | .0 | .70 | 140 | 6.0 | 2.2 | <.10 | 7.4 | 157 | 160 |
| FEB 22... | 1515 | 2 | .0 | .60 | 121 | 6.5 | 1.9 | <.10 | 5.2 | 149 | 130 |
| APR 24... | 1415 | 2 | .0 | .60 | 115 | 6.6 | 1.9 | <.10 | 6.5 | 131 | 130 |
| MAY 17... | 0950 | 2 | .0 | .70 | 132 | 6.5 | 1.7 | .10 | 7.0 | 168 | 150 |
| JUN 12... | 1500 | 2 | .0 | .80 | 138 | 5.7 | 2.5 | <.10 | 8.5 | 160 | 160 |
| AUG 01... | 1300 | 2 | .0 | .70 | 129 | 4.3 | 2.4 | <.10 | 7.8 | 154 | 140 |

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608) | NITRO-GEN, AM-MONIA + ORGANIC 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) | 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 19... | 1030 | .21 | <.100 | .060 | .30 | <.010 | <.010 | <.010 | <10 | 1 | 42 |
| FEB 22... | 1515 | .20 | <.100 | .270 | .20 | <.010 | <.010 | <.010 | -- | -- | -- |
| APR 24... | 1415 | .18 | <.100 | .070 | .20 | <.010 | <.010 | <.010 | <10 | <1 | 21 |
| MAY 17... | 0950 | .23 | <.100 | <.010 | 6.4 | <.010 | <.010 | <.010 | -- | -- | -- |
| JUN 12... | 1500 | .22 | .120 | .340 | .70 | <.010 | <.010 | <.010 | -- | -- | -- |
| AUG 01... | 1300 | .21 | .120 | .110 | .20 | <.010 | <.010 | <.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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1030 | <.5 | <1 | <1 | <3 | 2 | 8 | 1 | <4 | 2 |
| APR 24... | 1415 | <.5 | <1 | <1 | <3 | <1 | 6 | 2 | <4 | 4 |

| 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) | ZINC, DIS-SOLVED (UG/L AS ZN) (01090) | URANIUM DIS-SOLVED, EXTRAC-TION (UG/L) (80020) | GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 19... | 1030 | <.1 | <10 | 1 | <1 | <1 | 42 | 4 | -- | -- |
| FEB 22... | 1515 | -- | -- | -- | -- | -- | -- | -- | .03 | <4.1 |
| APR 24... | 1415 | <.1 | <10 | <1 | <1 | <1 | 31 | 12 | -- | -- |

| 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 19... | 1030 | -- | -- | -- | -- | -- | -- | 9 | .11 | 53 |
| FEB 22... | 1515 | <.4 | <2.0 | .5 | <1.7 | .5 | .07 | 1 | .05 | 67 |
| APR 24... | 1415 | -- | -- | -- | -- | -- | -- | 1 | .15 | 57 |
| MAY 17... | 0950 | -- | -- | -- | -- | -- | -- | 2 | .29 | 33 |
| JUN 12... | 1500 | -- | -- | -- | -- | -- | -- | 11 | .33 | 14 |
| AUG 01... | 1300 | -- | -- | -- | -- | -- | -- | 0 | .00 | 67 |

## 07061000 WHITE RIVER AT BATESVILLE, AR

LOCATION.--Lat 35°45'37", long 91°38'28", in SW 1/4 NE 1/4 sec.21, T.13 W., R.6 W., Independence County, Hydrologic Unit 11010004, on left bank of Lock and Dam 1.

PERIOD OF RECORD.-- November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 29... | 1130 | 9 | 9827 | 9827 | 9050 | -- | 8.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1230 | 9 | 9827 | 9827 | -- | -- | 3.0 | .0 | 3.0 | 12.0 |
| 24... | 1230 | 9 | 9827 | 9827 | -- | 7.9 | 5.0 | 3.0 | 5.0 | 13.5 |
| FEB | | | | | | | | | | |
| 21... | 1230 | 9 | 9827 | 9827 | 5760 | 8.0 | 14.0 | 9.0 | 4.0 | 11.4 |
| MAR | | | | | | | | | | |
| 20... | 1200 | 9 | 9827 | 9827 | 14600 | 8.0 | -- | -- | 6.3 | -- |
| APR | | | | | | | | | | |
| 24... | 1300 | 9 | 9827 | 9827 | 29000 | 8.0 | 26.0 | 13.0 | 6.0 | 11.2 |
| MAY | | | | | | | | | | |
| 22... | 1300 | 9 | 9827 | 9827 | 19800 | 8.1 | 34.0 | 23.0 | 4.0 | 10.5 |
| JUN | | | | | | | | | | |
| 19... | 1200 | 9 | 9827 | 9827 | 5800 | 8.0 | 35.0 | 25.0 | 3.5 | 8.9 |
| JUL | | | | | | | | | | |
| 31... | 1300 | 9 | 9827 | 9827 | 3800 | 8.1 | 28.0 | 24.0 | 3.0 | 9.4 |
| AUG | | | | | | | | | | |
| 21... | 1300 | 9 | 9827 | 9827 | 3300 | 8.0 | 35.0 | 20.0 | 2.5 | 9.9 |
| SEP | | | | | | | | | | |
| 25... | 1300 | 9 | 9827 | 9827 | 3240 | 8.2 | 31.0 | 22.0 | 5.5 | 8.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 1130 | -- | 68 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1230 | .9 | 32 | 6.0 | 7.5 | 172 | .23 | 5 | .28 |
| 24... | 1230 | 1.8 | 370 | 7.0 | 6.5 | 154 | .21 | 12 | .34 |
| FEB | | | | | | | | | |
| 21... | 1230 | 1.2 | 36 | -- | 5.0 | 163 | .22 | 6 | .29 |
| MAR | | | | | | | | | |
| 20... | 1200 | 1.2 | 120 | 7.0 | 2.0 | 147 | .20 | 12 | .30 |
| APR | | | | | | | | | |
| 24... | 1300 | .8 | 65 | 9.0 | 4.5 | 147 | .20 | 11 | .28 |
| MAY | | | | | | | | | |
| 22... | 1300 | 1.0 | 510 | 5.0 | 4.0 | 147 | .20 | 9 | .28 |
| JUN | | | | | | | | | |
| 19... | 1200 | 1.6 | 36 | 6.0 | 7.0 | 163 | .22 | 7 | .25 |
| JUL | | | | | | | | | |
| 31... | 1300 | 1.0 | 60 | 11 | 3.0 | 162 | .22 | 4 | .37 |
| AUG | | | | | | | | | |
| 21... | 1300 | 1.9 | 44 | -- | 6.0 | 152 | .21 | 6 | .36 |
| SEP | | | | | | | | | |
| 25... | 1300 | 1.0 | 570 | 6.0 | 4.5 | 162 | .22 | 8 | .31 |

07061000 WHITE RIVER AT BATESVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | |
| 10... | 1230 | .010 | .020 | .010 | 1 | <1 | 14 | 7 | 20 |
| 24... | 1230 | .020 | .030 | <.010 | 0 | -- | <10 | 5 | 0 |
| FEB | | | | | | | | | |
| 21... | 1230 | <.010 | .030 | .020 | 0 | <1 | <10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1200 | .010 | .050 | .010 | 0 | <1 | 20 | 4 | 20 |
| APR | | | | | | | | | |
| 24... | 1300 | .010 | .060 | .010 | 0 | <1 | 14 | 5 | 20 |
| MAY | | | | | | | | | |
| 22... | 1300 | .060 | .030 | <.010 | 0 | 1 | <10 | 2 | 20 |
| JUN | | | | | | | | | |
| 19... | 1200 | -- | -- | <.010 | -- | 2 | <10 | 2 | 0 |
| JUL | | | | | | | | | |
| 31... | 1300 | <.010 | .040 | .010 | 0 | <1 | <10 | 6 | 20 |
| AUG | | | | | | | | | |
| 21... | 1300 | <.010 | .020 | <.010 | 0 | <1 | <10 | 4 | 20 |
| SEP | | | | | | | | | |
| 25... | 1300 | <.010 | .050 | .010 | 0 | <1 | <10 | 4 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1300 | .000 | .000 | <.010 | <2.0 | .000 | .00 | <.01 | .0 |

## 07061094 WHITE RIVER NEAR SALADO, AR

LOCATION.--Lat 35°42'03" long 91°33'19", in NW 1/4 NW 1/4 sec.5, T.12 N., R.5 W., Independence County, Hydrologic Unit 11010004, at left bank off sandbar at end of county road 1.8 mi south of State Highway 394, and 0.2 mi below confluence with Salado Creek, and at mile 288.

DRAINAGE AREA.--11,198 $mi^2$

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 29... | 1200 | 9 | 9827 | 9827 | 9210 | -- | 8.0 | 11.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1330 | 9 | 9827 | 9827 | -- | -- | 3.0 | 8.0 | 3.0 | 11.3 |
| 24... | 1330 | 9 | 9827 | 9827 | -- | 7.7 | 8.0 | 5.0 | 2.6 | 13.8 |
| FEB | | | | | | | | | | |
| 21... | 1245 | 9 | 9827 | 9827 | 5770 | 8.1 | 14.0 | 10.0 | 3.6 | 12.3 |
| MAR | | | | | | | | | | |
| 20... | 1300 | 9 | 9827 | 9827 | 14600 | 8.1 | -- | -- | 6.0 | -- |
| APR | | | | | | | | | | |
| 24... | 1400 | 9 | 9827 | 9827 | 29000 | 8.0 | 25.0 | 13.0 | 6.2 | 11.1 |
| MAY | | | | | | | | | | |
| 22... | 1330 | 9 | 9827 | 9827 | 19800 | 8.0 | 28.0 | 22.0 | 3.0 | 10.7 |
| JUN | | | | | | | | | | |
| 19... | 1300 | 9 | 9827 | 9827 | 5800 | 8.0 | 37.0 | 23.0 | 4.0 | 9.6 |
| JUL | | | | | | | | | | |
| 31... | 1340 | 9 | 9827 | 9827 | 3800 | 7.9 | 25.0 | 20.0 | 4.0 | 9.1 |
| AUG | | | | | | | | | | |
| 21... | 1330 | 9 | 9827 | 9827 | 3300 | 7.9 | 35.0 | 20.0 | 4.5 | 8.6 |
| SEP | | | | | | | | | | |
| 25... | 1330 | 9 | 9827 | 9827 | 3240 | 8.4 | 32.0 | 22.0 | 4.5 | 11.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 1200 | -- | 170 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1330 | .7 | 40 | 6.0 | 12 | 200 | .27 | 2 | .49 |
| 24... | 1330 | 1.0 | 68 | 6.0 | 9.0 | 175 | .24 | 6 | .41 |
| FEB | | | | | | | | | |
| 21... | 1245 | 1.3 | 8 | -- | 5.5 | 167 | .23 | 6 | .25 |
| MAR | | | | | | | | | |
| 20... | 1300 | 1.1 | 70 | 6.0 | 3.0 | 149 | .20 | 10 | .29 |
| APR | | | | | | | | | |
| 24... | 1400 | .8 | 40 | 10 | 4.0 | 145 | .20 | 10 | .28 |
| MAY | | | | | | | | | |
| 22... | 1330 | .8 | 180 | 4.0 | 4.0 | -- | -- | 152 | .32 |
| JUN | | | | | | | | | |
| 19... | 1300 | 1.6 | 60 | 6.0 | 8.0 | 166 | .23 | 5 | .28 |
| JUL | | | | | | | | | |
| 31... | 1340 | .9 | 16 | 11 | 5.5 | 173 | .24 | 8 | .44 |
| AUG | | | | | | | | | |
| 21... | 1330 | .6 | 48 | -- | 6.0 | 166 | .23 | 15 | .38 |
| SEP | | | | | | | | | |
| 25... | 1330 | -- | 160 | 4.0 | 7.5 | 172 | .23 | 9 | .31 |

07061094 WHITE RIVER NEAR SALADO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | |
| 10... | 1330 | .010 | .020 | <.010 | 1 | <1 | <10 | 5 | 10 |
| 24... | 1330 | .020 | .030 | <.010 | 0 | -- | <10 | 5 | 0 |
| FEB | | | | | | | | | |
| 21... | 1245 | .020 | .040 | .020 | 0 | <1 | <10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1300 | .020 | .040 | .010 | 0 | <1 | 13 | 1 | 0 |
| APR | | | | | | | | | |
| 24... | 1400 | <.010 | .060 | .010 | 0 | <1 | <10 | <1 | 0 |
| MAY | | | | | | | | | |
| 22... | 1330 | .070 | .020 | <.010 | 0 | 1 | <10 | <1 | 10 |
| JUN | | | | | | | | | |
| 19... | 1300 | -- | -- | <.010 | -- | 1 | <10 | 3 | 30 |
| JUL | | | | | | | | | |
| 31... | 1340 | <.010 | .040 | .010 | 0 | <1 | <10 | 4 | 20 |
| AUG | | | | | | | | | |
| 21... | 1330 | <.010 | .020 | <.010 | 0 | 2 | <10 | 3 | 0 |
| SEP | | | | | | | | | |
| 25... | 1330 | <.010 | .050 | .010 | 0 | <1 | 12 | 7 | 10 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 21... | 1330 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO

LOCATION.--Lat 37°08'12", long 90°46'23", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at log boom at dam on Black River, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 $mi^2$.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 17... | 1420 | 9 | 80513 | 80513 | .00 | 30.0 | 245 | 8.4 |
| 17... | 1422 | 9 | 80513 | 80513 | 10.0 | 30.0 | 245 | 8.2 |
| 17... | 1424 | 9 | 80513 | 80513 | 20.0 | 30.0 | 245 | 8.1 |
| 17... | 1425 | 9 | 80513 | 80513 | 30.0 | 30.0 | 260 | 7.9 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 17... | 1420 | 19.0 | 37.2 | .90 | 9.9 | 108 | 755 |
| 17... | 1422 | 18.0 | -- | -- | 7.5 | -- | -- |
| 17... | 1424 | 17.5 | -- | -- | 7.2 | -- | -- |
| 17... | 1425 | 17.5 | -- | -- | 5.6 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 17... | 1325 | 9 | 80513 | 80513 | .00 | 31.0 | 28 | 8.8 |
| 17... | 1326 | 9 | 80513 | 80513 | 10.0 | 31.0 | 28 | 8.8 |
| 17... | 1327 | 9 | 80513 | 80513 | 20.0 | 31.0 | 28 | 8.8 |
| 17... | 1328 | 9 | 80513 | 80513 | 30.0 | 31.0 | 28 | 8.8 |
| 17... | 1330 | 9 | 80513 | 80513 | 31.0 | 31.0 | 28 | 8.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 17... | 1325 | 11.0 | 54.0 | 1.40 | 10.0 | 92 | 749 |
| 17... | 1326 | 11.0 | -- | -- | 9.8 | -- | -- |
| 17... | 1327 | 10.5 | -- | -- | 9.6 | -- | -- |
| 17... | 1328 | 10.5 | -- | -- | 9.4 | -- | -- |
| 17... | 1330 | 10.5 | -- | -- | 9.4 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 23... | 1530 | 9 | 80513 | 80513 | .00 | 28.0 | 215 | 7.6 |
| 23... | 1532 | 9 | 80513 | 80513 | 10.0 | 28.0 | 220 | 7.7 |
| 23... | 1534 | 9 | 80513 | 80513 | 20.0 | 28.0 | 220 | 7.7 |
| 23... | 1535 | 9 | 80513 | 80513 | 28.0 | 28.0 | 220 | 7.7 |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 23... | 1530 | 3.0 | 31.2 | .80 | 11.8 | 89 | 752 |
| 23... | 1532 | 4.0 | -- | -- | 11.6 | -- | -- |
| 23... | 1534 | 4.0 | -- | -- | 11.6 | -- | -- |
| 23... | 1535 | 4.0 | -- | -- | 11.5 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 15... | 1220 | 9 | 80513 | 80513 | .00 | 34.0 | 240 | 8.2 | 21.0 | 7.5 | 44.4 |
| 15... | 1221 | 9 | 80513 | 80010 | 3.00 | 34.0 | -- | -- | -- | -- | -- |
| 15... | 1225 | 9 | 80513 | 80010 | 7.00 | 34.0 | 240 | 8.2 | -- | 6.5 | -- |
| 15... | 1226 | 9 | 80513 | 80513 | 10.0 | 34.0 | 240 | 8.2 | -- | 6.0 | -- |
| 15... | 1228 | 9 | 80513 | 80513 | 20.0 | 34.0 | 235 | 8.2 | -- | 5.5 | -- |
| 15... | 1230 | 9 | 80513 | 80010 | 27.0 | 34.0 | 247 | 8.2 | -- | 5.0 | -- |
| 15... | 1233 | 9 | 80513 | 80513 | 30.0 | 34.0 | 235 | 8.2 | -- | 5.0 | -- |
| 15... | 1235 | 9 | 80513 | 80513 | 34.0 | 34.0 | 235 | 8.2 | -- | 5.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 15... | 1220 | 1.10 | 11.9 | 101 | 752 | -- | -- | -- | 0 | -- | -- |
| 15... | 1221 | -- | -- | -- | 752 | -- | -- | -- | -- | -- | -- |
| 15... | 1225 | -- | 12.0 | -- | -- | 1 | 4.1 | 1.1 | -- | 110 | 0 |
| 15... | 1226 | -- | 12.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1228 | -- | 12.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1230 | -- | 12.1 | -- | -- | 5 | 4.0 | 1.2 | -- | 120 | 11 |
| 15... | 1233 | -- | 12.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1235 | -- | 12.0 | 95 | 752 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1225 | 0 | 23 | 58 | 12 | 106 | 15 | 5.3 | .300 | <.010 |
| 15... | 1230 | 11 | 22 | 55 | 15 | 106 | 13 | 4.8 | .500 | .070 |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1221 | -- | -- | -- | -- | -- | -- | -- | 2.20 | <.100 |
| 15... | 1225 | -- | .80 | 1.1 | .020 | <.010 | 290 | 50 | -- | -- |
| 15... | 1230 | .43 | .50 | 1.0 | -- | <.010 | 150 | 70 | -- | -- |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 26... | 1340 | 9 | 80513 | 80513 | .00 | 43.0 | 162 | 8.0 |
| 26... | 1345 | 9 | 80513 | 80513 | 10.0 | 43.0 | 164 | 7.9 |
| 26... | 1350 | 9 | 80513 | 80513 | 20.0 | 43.0 | 158 | 7.9 |
| 26... | 1355 | 9 | 80513 | 80513 | 30.0 | 43.0 | 158 | 7.9 |
| 26... | 1358 | 9 | 80513 | 80513 | 40.0 | 43.0 | 158 | 7.9 |
| 26... | 1400 | 9 | 80513 | 80513 | 43.0 | 43.0 | 158 | 7.9 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 26... | 1340 | 8.0 | 13.2 | .30 | 11.0 | 94 | 753 |
| 26... | 1345 | 8.0 | -- | -- | 9.5 | -- | -- |
| 26... | 1350 | 7.5 | -- | -- | 7.0 | -- | -- |
| 26... | 1355 | 7.5 | -- | -- | 6.1 | -- | -- |
| 26... | 1358 | 7.5 | -- | -- | 6.2 | -- | -- |
| 26... | 1400 | 7.5 | -- | -- | 7.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 18... | 0900 | 9 | 80513 | 80513 | .00 | 30.0 | 179 | 8.2 |
| 18... | 0905 | 9 | 80513 | 80513 | 10.0 | 30.0 | 179 | 8.2 |
| 18... | 0910 | 9 | 80513 | 80513 | 20.0 | 30.0 | 180 | 8.2 |
| 18... | 0920 | 9 | 80513 | 80513 | 30.0 | 30.0 | 180 | 8.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 18... | 0900 | 12.5 | 21.6 | .60 | 9.2 | 88 | 748 |
| 18... | 0905 | 12.0 | -- | -- | 9.1 | -- | -- |
| 18... | 0910 | 12.0 | -- | -- | 9.1 | -- | -- |
| 18... | 0920 | 12.0 | -- | -- | 9.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 30... | 1050 | 9 | 80513 | 80513 | .00 | 35.0 | 190 | 8.0 | 18.5 | 21.0 | 45.6 |
| 30... | 1051 | 9 | 80513 | 80010 | 3.00 | 35.0 | -- | -- | -- | -- | -- |
| 30... | 1055 | 9 | 80513 | 80010 | 7.00 | 35.0 | 190 | 7.9 | -- | 21.0 | -- |
| 30... | 1056 | 9 | 80513 | 80513 | 10.0 | 35.0 | 190 | 7.9 | -- | 21.0 | -- |
| 30... | 1058 | 9 | 80513 | 80513 | 20.0 | 35.0 | 190 | 7.9 | -- | 20.5 | -- |
| 30... | 1100 | 9 | 80513 | 80513 | 25.0 | 35.0 | 188 | 7.8 | -- | 19.5 | -- |
| 30... | 1105 | 9 | 80513 | 80010 | 28.0 | 35.0 | 187 | 7.7 | -- | 18.5 | -- |
| 30... | 1106 | 9 | 80513 | 80513 | 30.0 | 35.0 | 185 | 7.7 | -- | 17.5 | -- |
| 30... | 1108 | 9 | 80513 | 80513 | 31.0 | 35.0 | 182 | 7.7 | -- | 16.5 | -- |
| 30... | 1109 | 9 | 80513 | 80513 | 33.0 | 35.0 | 180 | 7.7 | -- | 15.5 | -- |
| 30... | 1110 | 9 | 80513 | 80513 | 35.0 | 35.0 | 178 | 7.6 | -- | 15.0 | -- |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 30... | 1050 | 1.20 | 8.4 | 95 | 758 | -- | -- | -- | 5 | -- |
| 30... | 1051 | -- | -- | -- | 758 | -- | -- | -- | -- | -- |
| 30... | 1055 | -- | 8.4 | 95 | 758 | <1 | 2.8 | .9 | -- | 38 |
| 30... | 1056 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1058 | -- | 8.2 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1100 | -- | 5.8 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1105 | -- | 5.4 | 58 | 758 | -- | 8.8 | 1.2 | -- | 37 |
| 30... | 1106 | -- | 5.2 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1108 | -- | 4.8 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1109 | -- | 4.4 | -- | -- | -- | -- | -- | -- | -- |
| 30... | 1110 | -- | 3.9 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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... | 1051 | .200 | .060 | 3.1 | 3.2 | 3.4 | <.010 | <.010 | 1.50 | <.100 |
| 30... | 1055 | .200 | .070 | 2.2 | 2.3 | 2.5 | <.010 | <.010 | -- | -- |
| 30... | 1105 | .200 | .110 | 3.3 | 3.4 | 3.6 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 28... | 0910 | 9 | 80513 | 80513 | .00 | 35.0 | 235 | 8.7 |
| 28... | 0912 | 9 | 80513 | 80513 | 10.0 | 35.0 | 230 | 8.7 |
| 28... | 0914 | 9 | 80513 | 80513 | 14.0 | 35.0 | 235 | 8.6 |
| 28... | 0916 | 9 | 80513 | 80513 | 15.0 | 35.0 | 245 | 8.1 |
| 28... | 0918 | 9 | 80513 | 80513 | 20.0 | 35.0 | 245 | 7.8 |
| 28... | 0920 | 9 | 80513 | 80513 | 23.0 | 35.0 | 240 | 7.6 |
| 28... | 0922 | 9 | 80513 | 80513 | 25.0 | 35.0 | 240 | 7.6 |
| 28... | 0924 | 9 | 80513 | 80513 | 30.0 | 35.0 | 235 | 7.5 |
| 28... | 0926 | 9 | 80513 | 80513 | 31.0 | 35.0 | 235 | 7.5 |
| 28... | 0928 | 9 | 80513 | 80513 | 32.0 | 35.0 | 225 | 7.5 |
| 28... | 0930 | 9 | 80513 | 80513 | 35.0 | 35.0 | 220 | 7.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 28... | 0910 | 27.5 | 49.2 | 1.20 | 7.8 | 101 | 750 |
| 28... | 0912 | 27.5 | -- | -- | 7.7 | -- | -- |
| 28... | 0914 | 26.5 | -- | -- | 7.6 | -- | -- |
| 28... | 0916 | 25.5 | -- | -- | 5.7 | -- | -- |
| 28... | 0918 | 24.5 | -- | -- | 3.0 | -- | -- |
| 28... | 0920 | 23.5 | -- | -- | .5 | -- | -- |
| 28... | 0922 | 22.5 | -- | -- | .4 | -- | -- |
| 28... | 0924 | 21.5 | -- | -- | .0 | -- | -- |
| 28... | 0926 | 19.5 | -- | -- | .0 | -- | -- |
| 28... | 0928 | 17.5 | -- | -- | .0 | -- | -- |
| 28... | 0930 | 16.5 | -- | -- | .0 | -- | -- |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 19... | 0850 | 9 | 80513 | 80513 | .00 | 35.0 | 200 | 8.6 | 28.0 | 90.0 |
| 19... | 0851 | 9 | 80513 | 80010 | 3.00 | 35.0 | 200 | 8.6 | 28.0 | -- |
| 19... | 0852 | 9 | 80513 | 80513 | 10.0 | 35.0 | 200 | 8.6 | 28.0 | -- |
| 19... | 0854 | 9 | 80513 | 80513 | 16.0 | 35.0 | 210 | 8.0 | 27.0 | -- |
| 19... | 0856 | 9 | 80513 | 80513 | 17.0 | 35.0 | 215 | 7.8 | 26.0 | -- |
| 19... | 0858 | 9 | 80513 | 80513 | 20.0 | 35.0 | 215 | 7.7 | 25.5 | -- |
| 19... | 0900 | 9 | 80513 | 80513 | 25.0 | 35.0 | 220 | 7.6 | 24.5 | -- |
| 19... | 0902 | 9 | 80513 | 80513 | 27.0 | 35.0 | 220 | 7.6 | 23.5 | -- |
| 19... | 0904 | 9 | 80513 | 80513 | 30.0 | 35.0 | 230 | 7.6 | 22.5 | -- |
| 19... | 0906 | 9 | 80513 | 80513 | 32.0 | 35.0 | 230 | 7.6 | 21.5 | -- |
| 19... | 0908 | 9 | 80513 | 80513 | 34.0 | 35.0 | 215 | 7.6 | 20.5 | -- |
| 19... | 0910 | 9 | 80513 | 80513 | 35.0 | 35.0 | 205 | 7.6 | 19.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 19... | 0850 | 2.30 | 7.7 | 100 | 754 | -- | -- | -- | -- |
| 19... | 0851 | -- | 7.7 | 100 | 754 | .010 | <.010 | 1.80 | <.100 |
| 19... | 0852 | -- | 7.7 | -- | -- | -- | -- | -- | -- |
| 19... | 0854 | -- | 3.7 | -- | -- | -- | -- | -- | -- |
| 19... | 0856 | -- | 2.2 | -- | -- | -- | -- | -- | -- |
| 19... | 0858 | -- | 1.0 | -- | -- | -- | -- | -- | -- |
| 19... | 0900 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 19... | 0902 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 19... | 0904 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 19... | 0906 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 19... | 0908 | -- | .0 | -- | -- | -- | -- | -- | -- |
| 19... | 0910 | -- | .0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 22... | 1020 | 9 | 80513 | 80513 | .00 | 33.0 | 255 | 8.5 | 26.0 |
| 22... | 1021 | 9 | 80513 | 80010 | 3.00 | 33.0 | -- | -- | -- |
| 22... | 1025 | 9 | 80513 | 80010 | 6.50 | 33.0 | 255 | 8.5 | -- |
| 22... | 1028 | 9 | 80513 | 80513 | 10.0 | 33.0 | 255 | 8.5 | -- |
| 22... | 1030 | 9 | 80513 | 80513 | 20.0 | 33.0 | 265 | 7.9 | -- |
| 22... | 1035 | 9 | 80513 | 80010 | 26.5 | 33.0 | 265 | 7.6 | -- |
| 22... | 1038 | 9 | 80513 | 80513 | 28.0 | 33.0 | 275 | 7.6 | -- |
| 22... | 1040 | 9 | 80513 | 80513 | 30.0 | 33.0 | 275 | 7.6 | -- |
| 22... | 1042 | 9 | 80513 | 80513 | 31.0 | 33.0 | 270 | 7.6 | -- |
| 22... | 1044 | 9 | 80513 | 80513 | 32.0 | 33.0 | 265 | 7.6 | -- |
| 22... | 1045 | 9 | 80513 | 80513 | 33.0 | 33.0 | 260 | 7.6 | -- |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 22... | 1020 | 26.5 | 68.4 | 1.70 | 6.9 | 87 | 753 | -- | -- |
| 22... | 1021 | -- | -- | -- | -- | -- | 753 | -- | -- |
| 22... | 1025 | 26.5 | -- | -- | 6.9 | 87 | 753 | 1 | 1.0 |
| 22... | 1028 | 26.5 | -- | -- | 6.8 | -- | -- | -- | -- |
| 22... | 1030 | 25.5 | -- | -- | 1.9 | -- | -- | -- | -- |
| 22... | 1035 | 24.5 | -- | -- | .1 | 1 | 753 | 15 | 15 |
| 22... | 1038 | 23.5 | -- | -- | .1 | -- | -- | -- | -- |
| 22... | 1040 | 22.5 | -- | -- | .1 | -- | -- | -- | -- |
| 22... | 1042 | 21.5 | -- | -- | .1 | -- | -- | -- | -- |
| 22... | 1044 | 20.5 | -- | -- | .1 | -- | -- | -- | -- |
| 22... | 1045 | 19.0 | -- | -- | .1 | -- | -- | -- | -- |

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | 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 | | | | | | | | | |
| 22... | 1020 | -- | 1 | -- | -- | -- | -- | -- | -- |
| 22... | 1021 | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 22... | 1025 | 1.4 | -- | 121 | <.100 | <.010 | <.010 | -- | -- |
| 22... | 1035 | 1.2 | -- | 125 | <.100 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 19... | 1600 | 9 | 80513 | 80513 | .00 | 34.0 | 250 | 8.3 | 25.0 | 49.2 |
| 19... | 1601 | 9 | 80513 | 80010 | 3.00 | 34.0 | 250 | 8.4 | 24.0 | -- |
| 19... | 1605 | 9 | 80513 | 80513 | 7.00 | 34.0 | 245 | 8.4 | 23.0 | -- |
| 19... | 1610 | 9 | 80513 | 80513 | 10.0 | 34.0 | 245 | 8.3 | 22.5 | -- |
| 19... | 1615 | 9 | 80513 | 80513 | 20.0 | 34.0 | 250 | 8.2 | 22.0 | -- |
| 19... | 1620 | 9 | 80513 | 80513 | 30.0 | 34.0 | 260 | 8.0 | 21.0 | -- |
| 19... | 1625 | 9 | 80513 | 80513 | 34.0 | 34.0 | 260 | 7.9 | 20.0 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 19... | 1600 | 1.20 | 7.8 | 96 | 754 | -- | -- | -- | -- |
| 19... | 1601 | -- | 7.7 | 93 | 754 | .010 | <.010 | 2.20 | <.100 |
| 19... | 1605 | -- | 7.7 | -- | -- | -- | -- | -- | -- |
| 19... | 1610 | -- | 7.2 | -- | -- | -- | -- | -- | -- |
| 19... | 1615 | -- | 5.8 | -- | -- | -- | -- | -- | -- |
| 19... | 1620 | -- | 3.2 | -- | -- | -- | -- | -- | -- |
| 19... | 1625 | -- | .5 | -- | -- | -- | -- | -- | -- |

07062010 BLACK RIVER AT CLEARWATER DAM, MO

LOCATION.--Lat 37°07'55", long 90°46'05", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at Clearwater Dam, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 $mi^2$.

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

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 17... | 1400 | 9 | 80513 | 80513 | 423 | 245 | 8.0 | 18.0 | 8.7 |
| NOV 17... | 1250 | 9 | 80513 | 80513 | 296 | 30 | 8.2 | 10.5 | 10.8 |
| JAN 23... | 1600 | 9 | 80513 | 80513 | 295 | 220 | 7.7 | 4.0 | 12.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| FEB 15... | 1200 | 9 | 80513 | 80010 | 2370 | 240 | 8.1 | 19.5 | 7.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|
| FEB 15... | 1200 | 13.2 | 110 | 752 | 7 | 6.0 | 1.1 | 1 | 99 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| FEB 15... | 1200 | 0 | 0 | 20 | 50 | 12 | 108 | 13 | 5.4 |

| DATE | TIME | 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) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|
| FEB 15... | 1200 | .100 | <.010 | 1.1 | 1.2 | .020 | <.010 | 230 | 60 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| MAR 26... | 1320 | 9 | 80513 | 80513 | 1950 | 162 | 8.1 | 8.0 | 12.1 |
| APR 18... | 0820 | 9 | 80513 | 80513 | 1330 | 182 | 8.2 | 12.0 | 10.3 |

07062010 BLACK RIVER AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 30... | 1020 | 9 | 80513 | 80010 | 469 | 190 | 7.8 | 20.5 | 20.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 30... | 1020 | 8.9 | 98 | 759 | <1 | 5.0 | 1.2 | 10 | 43 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY 30... | 1020 | .200 | .070 | 2.6 | 2.7 | 2.9 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 28... | 0840 | 9 | 80513 | 80513 | 537 | 240 | 8.0 | 24.5 | 6.6 |
| JUL 19... | 0820 | 9 | 80513 | 80513 | 202 | 225 | 7.7 | 25.0 | 6.9 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 22... | 0945 | 9 | 80513 | 80010 | 163 | 268 | 7.7 | 23.0 | 25.0 | 6.6 | 81 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 22... | 0945 | 754 | 3 | 4.2 | 1.7 | 38 | 124 | <.100 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 19... | 1540 | 9 | 80513 | 80513 | 238 | 250 | 7.7 | 22.0 | 7.8 |

## 07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW 1/4 NE 1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi 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 (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. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--46 years, 1,806 $ft^3/s$, 1,308,000 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 Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 7,300 $ft^3/s$ Apr. 5, gage height, 11.96 ft; minimum, 342 $ft^3/s$ Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 349 | 718 | 3590 | 4550 | 1330 | 1360 | 4270 | 1270 | 1470 | 741 | 383 | 431 |
| 2 | 344 | 698 | 3210 | 4550 | 1270 | 1330 | 3950 | 1240 | 1280 | 672 | 372 | 429 |
| 3 | 343 | 788 | 3150 | 4520 | 1240 | 1330 | 4130 | 1290 | 1170 | 608 | 395 | 428 |
| 4 | 350 | 1110 | 3630 | 4500 | 1250 | 1350 | 5770 | 1290 | 1100 | 568 | 835 | 425 |
| 5 | 671 | 1610 | 4760 | 4500 | 1250 | 1520 | 7160 | 1210 | 1060 | 635 | 1600 | 430 |
| 6 | 1150 | 1770 | 5680 | 4320 | 1200 | 1820 | 6290 | 1250 | 1030 | 878 | 1760 | 434 |
| 7 | 1100 | 1580 | 5520 | 4200 | 1110 | 1960 | 5230 | 1900 | 982 | 1030 | 1540 | 434 |
| 8 | 840 | 1250 | 4910 | 4030 | 1030 | 1930 | 4590 | 3100 | 907 | 969 | 1130 | 433 |
| 9 | 645 | 1010 | 4240 | 3780 | 977 | 1770 | 4440 | 4630 | 845 | 819 | 788 | 447 |
| 10 | 560 | 965 | 3730 | 3510 | 956 | 1610 | 4940 | 5130 | 823 | 735 | 599 | 515 |
| 11 | 546 | 1010 | 3620 | 3180 | 959 | 1670 | 5400 | 4600 | 811 | 702 | 504 | 609 |
| 12 | 569 | 1080 | 4320 | 2880 | 1110 | 1830 | 5060 | 4010 | 795 | 687 | 468 | 786 |
| 13 | 605 | 1100 | 5630 | 2630 | 2030 | 1990 | 4580 | 3600 | 790 | 671 | 476 | 867 |
| 14 | 645 | 1040 | 5670 | 2360 | 3240 | 2120 | 4300 | 3440 | 783 | 666 | 493 | 788 |
| 15 | 719 | 967 | 4870 | 2030 | 3970 | 2190 | 4170 | 3420 | 762 | 668 | 497 | 649 |
| 16 | 776 | 895 | 4220 | 1690 | 3860 | 2210 | 4100 | 3420 | 742 | 770 | 497 | 554 |
| 17 | 829 | 812 | 3830 | 1410 | 3410 | 2310 | 4030 | 3390 | 723 | 899 | 496 | 531 |
| 18 | 913 | 739 | 3620 | 1220 | 3030 | 2540 | 3900 | 3350 | 713 | 896 | 497 | 532 |
| 19 | 953 | 700 | 3570 | 1140 | 2810 | 3060 | 3750 | 3320 | 702 | 838 | 493 | 535 |
| 20 | 889 | 1030 | 3650 | 1130 | 2720 | 3820 | 3550 | 3350 | 691 | 729 | 480 | 537 |
| 21 | 755 | 1700 | 3700 | 1110 | 2660 | 4350 | 3290 | 3360 | 679 | 614 | 449 | 539 |
| 22 | 704 | 2330 | 3750 | 1030 | 2550 | 4450 | 2980 | 3260 | 626 | 531 | 425 | 506 |
| 23 | 798 | 3400 | 3900 | 979 | 2350 | 4120 | 2690 | 3050 | 581 | 485 | 419 | 573 |
| 24 | 753 | 4500 | 4000 | 1040 | 2100 | 3740 | 2460 | 2820 | 571 | 456 | 443 | 1410 |
| 25 | 651 | 6300 | 4150 | 1200 | 1880 | 3490 | 2210 | 2630 | 572 | 437 | 455 | 1940 |
| 26 | 570 | 6100 | 4300 | 1380 | 1700 | 3480 | 1950 | 2480 | 625 | 428 | 441 | 2010 |
| 27 | 546 | 5800 | 4500 | 1460 | 1570 | 3580 | 1640 | 2500 | 663 | 424 | 419 | 1750 |
| 28 | 623 | 5600 | 4600 | 1460 | 1460 | 3690 | 1360 | 2530 | 693 | 423 | 422 | 1490 |
| 29 | 702 | 5200 | 4600 | 1410 | 1400 | 3930 | 1170 | 2380 | 728 | 416 | 430 | 1370 |
| 30 | 739 | 4100 | 4650 | 1380 | --- | 4510 | 1210 | 2070 | 755 | 404 | 431 | 1310 |
| 31 | 748 | --- | 4600 | 1380 | --- | 4600 | --- | 1730 | --- | 394 | 435 | --- |
| TOTAL | 21385 | 65902 | 132170 | 75959 | 56422 | 83660 | 114570 | 87020 | 24672 | 20193 | 19072 | 23692 |
| MEAN | 690 | 2197 | 4264 | 2450 | 1946 | 2699 | 3819 | 2807 | 822 | 651 | 615 | 790 |
| MAX | 1150 | 6300 | 5680 | 4550 | 3970 | 4600 | 7160 | 5130 | 1470 | 1030 | 1760 | 2010 |
| MIN | 343 | 698 | 3150 | 979 | 956 | 1330 | 1170 | 1210 | 571 | 394 | 372 | 425 |
| AC-FT | 42420 | 130700 | 262200 | 150700 | 111900 | 165900 | 227200 | 172600 | 48940 | 40050 | 37830 | 46990 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 909761 | MEAN | 2492 | MAX | 12600 | MIN | 339 | AC-FT | 1805000 |
| WTR YR 1984 | TOTAL | 724717 | MEAN | 1980 | MAX | 7160 | MIN | 343 | AC-FT | 1437000 |

07068850 CURRENT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°17'55", long 90°51'30", in SE 1/4 SE 1/4 sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1500 | 9 | 9827 | 9827 | 1520 | 8.1 | 19.0 | 17.0 | 2.5 | 9.6 |
| NOV | | | | | | | | | | |
| 29... | 0740 | 9 | 9827 | 9827 | 9930 | -- | 1.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0800 | 9 | 9827 | 9827 | 2810 | -- | 3.0 | 5.0 | 5.0 | 10.9 |
| 24... | 0800 | 9 | 9827 | 9827 | 2280 | 7.9 | 2.0 | 4.0 | 2.4 | 12.1 |
| FEB | | | | | | | | | | |
| 21... | 0835 | 9 | 9827 | 9827 | 3490 | 7.8 | 5.0 | 10.0 | 20 | 10.9 |
| MAR | | | | | | | | | | |
| 20... | 0800 | 9 | 9827 | 9827 | 6010 | 7.6 | -- | -- | 110 | -- |
| APR | | | | | | | | | | |
| 24... | 0900 | 9 | 9827 | 9827 | 5780 | 7.8 | 20.0 | 14.0 | 25 | 9.6 |
| MAY | | | | | | | | | | |
| 22... | 0803 | 9 | 9827 | 9827 | 3830 | 7.8 | 25.0 | 18.0 | 4.0 | -- |
| JUN | | | | | | | | | | |
| 19... | 0825 | 9 | 9827 | 9827 | 2190 | 8.0 | 31.0 | 25.0 | 8.0 | 8.0 |
| JUL | | | | | | | | | | |
| 31... | 0800 | 9 | 9827 | 9827 | 1720 | 8.0 | 28.0 | 23.0 | 7.5 | 8.4 |
| AUG | | | | | | | | | | |
| 21... | 0830 | 9 | 9827 | 9827 | 1620 | 8.0 | 26.0 | 23.0 | 5.5 | 8.4 |
| SEP | | | | | | | | | | |
| 25... | 0800 | 9 | 9827 | 9827 | 1680 | 7.7 | 25.0 | 20.0 | 30 | 7.6 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1500 | 2.0 | 12 | 4.0 | 4.5 | 176 | .24 | 5 | .16 |
| NOV | | | | | | | | | |
| 29... | 0740 | -- | 250 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 0800 | .6 | 80 | 4.0 | 5.0 | 147 | .20 | 6 | .50 |
| 24... | 0800 | 1.2 | 16 | 2.0 | 4.0 | 165 | .22 | 3 | .43 |
| FEB | | | | | | | | | |
| 21... | 0835 | 1.2 | 20 | -- | 4.0 | 152 | .21 | 36 | .35 |
| MAR | | | | | | | | | |
| 20... | 0800 | 2.3 | 410 | 7.0 | 2.0 | 132 | .18 | 219 | .33 |
| APR | | | | | | | | | |
| 24... | 0900 | 1.4 | 310 | 9.0 | 2.5 | 127 | .17 | 36 | .33 |
| MAY | | | | | | | | | |
| 22... | 0803 | .4 | 12 | 1.0 | 2.0 | 129 | .18 | 9 | .25 |
| JUN | | | | | | | | | |
| 19... | 0825 | 1.2 | 8 | 3.0 | 5.0 | 173 | .24 | 22 | .31 |
| JUL | | | | | | | | | |
| 31... | 0800 | .7 | <4 | 5.0 | 2.5 | 178 | .24 | 15 | .25 |
| AUG | | | | | | | | | |
| 21... | 0830 | 1.1 | 24 | -- | 3.5 | 182 | .25 | 13 | .33 |
| SEP | | | | | | | | | |
| 25... | 0800 | 1.1 | 110 | <1.0 | 2.5 | 151 | .21 | 50 | .28 |

07068850 CURRENT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1500 | .030 | .020 | <.010 | 0 | <1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0800 | .020 | .020 | .010 | 0 | 1 | <10 | 1 | 0 |
| 24... | 0800 | .060 | .020 | .030 | 0 | -- | <10 | 3 | 0 |
| FEB | | | | | | | | | |
| 21... | 0835 | .030 | .060 | .040 | 0 | 2 | 10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 0800 | .100 | .140 | .060 | 0 | 3 | 11 | 3 | 140 |
| APR | | | | | | | | | |
| 24... | 0900 | .040 | .070 | .020 | 0 | <1 | 12 | 3 | 20 |
| MAY | | | | | | | | | |
| 22... | 0803 | .070 | .030 | .010 | 0 | 2 | <10 | <1 | 0 |
| JUN | | | | | | | | | |
| 19... | 0825 | -- | -- | .020 | -- | <1 | <10 | 1 | 0 |
| JUL | | | | | | | | | |
| 31... | 0800 | <.010 | .050 | .020 | 0 | 2 | <10 | 6 | 30 |
| AUG | | | | | | | | | |
| 21... | 0830 | .040 | .040 | .010 | 0 | <1 | <10 | 5 | 20 |
| SEP | | | | | | | | | |
| 25... | 0800 | .020 | .080 | .030 | 0 | 1 | 20 | 11 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 0800 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07069000 BLACK RIVER AT POCAHONTAS, AR

LOCATION.--Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1430 | 9 | 9827 | 9827 | 1760 | 8.1 | 18.0 | 17.0 | 9.4 | 9.3 |
| NOV | | | | | | | | | | |
| 29... | 0800 | 9 | 9827 | 9827 | 12100 | -- | 1.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0845 | 9 | 9827 | 9827 | 10200 | -- | 3.0 | 5.0 | 20 | 7.8 |
| 24... | 0900 | 9 | 9827 | 9827 | 8250 | 7.7 | 2.0 | 2.0 | 8.2 | 11.6 |
| FEB | | | | | | | | | | |
| 21... | 0900 | 9 | 9827 | 9827 | 7360 | 7.5 | 5.0 | 8.0 | 40 | 9.3 |
| MAR | | | | | | | | | | |
| 20... | 0830 | 9 | 9827 | 9827 | 9140 | 7.8 | -- | -- | 45 | -- |
| APR | | | | | | | | | | |
| 24... | 0945 | 9 | 9827 | 9827 | 10500 | 7.8 | 22.0 | 14.0 | 20 | 9.1 |
| MAY | | | | | | | | | | |
| 22... | 0900 | 9 | 9827 | 9827 | 7460 | 7.5 | 25.0 | 18.0 | 20 | 6.9 |
| JUN | | | | | | | | | | |
| 19... | 0900 | 9 | 9827 | 9827 | 2970 | 7.9 | 31.0 | 23.0 | 30 | 7.0 |
| JUL | | | | | | | | | | |
| 31... | 0845 | 9 | 9827 | 9827 | 1900 | 8.0 | 28.0 | 25.0 | 20 | 7.9 |
| AUG | | | | | | | | | | |
| 21... | 0915 | 9 | 9827 | 9827 | 1820 | 8.0 | 26.0 | 23.0 | 20 | 8.1 |
| SEP | | | | | | | | | | |
| 25... | 0930 | 9 | 9827 | 9827 | 3660 | 8.1 | 25.0 | 21.0 | 25 | 8.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1430 | 2.1 | 40 | 4.0 | 4.0 | 178 | .24 | 18 | .15 |
| NOV | | | | | | | | | |
| 29... | 0800 | -- | 320 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 0845 | <.1 | 88 | 6.0 | 4.5 | 119 | .16 | 35 | .32 |
| 24... | 0900 | 1.5 | 210 | 4.0 | 4.5 | 150 | .20 | 16 | .41 |
| FEB | | | | | | | | | |
| 21... | 0900 | 1.7 | 32 | -- | 4.0 | 138 | .19 | 35 | .23 |
| MAR | | | | | | | | | |
| 20... | 0830 | 1.3 | 290 | 6.0 | 2.0 | 140 | .19 | 86 | .33 |
| APR | | | | | | | | | |
| 24... | 0945 | 1.3 | 160 | 9.0 | 3.0 | 133 | .18 | 32 | .25 |
| MAY | | | | | | | | | |
| 22... | 0900 | .5 | 16 | 5.0 | 2.5 | 218 | .30 | 28 | -- |
| JUN | | | | | | | | | |
| 19... | 0900 | 1.2 | 40 | 3.0 | 5.0 | 168 | .23 | 46 | .34 |
| JUL | | | | | | | | | |
| 31... | 0845 | .6 | 40 | 10 | 3.0 | 176 | .24 | 32 | .22 |
| AUG | | | | | | | | | |
| 21... | 0915 | 2.1 | 24 | -- | 3.5 | 170 | .23 | 34 | .21 |
| SEP | | | | | | | | | |
| 25... | 0930 | 1.4 | 450 | <1.0 | 3.0 | 172 | .23 | 44 | .27 |

07069000 BLACK RIVER AT POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1430 | .010 | .050 | .010 | 0 | <1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0845 | .010 | .040 | <.010 | 0 | 2 | <10 | 6 | 20 |
| 24... | 0900 | .030 | .050 | .010 | 0 | -- | 19 | 18 | 20 |
| FEB | | | | | | | | | |
| 21... | 0900 | .040 | .080 | .040 | 0 | 2 | 29 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 0830 | .050 | .100 | .030 | 0 | 2 | 12 | 7 | 30 |
| APR | | | | | | | | | |
| 24... | 0945 | .020 | .080 | .010 | 0 | <1 | 14 | <1 | 0 |
| MAY | | | | | | | | | |
| 22... | 0900 | -- | .070 | -- | 0 | 1 | <10 | <1 | 0 |
| JUN | | | | | | | | | |
| 19... | 0900 | -- | -- | .010 | -- | <1 | <10 | 14 | 50 |
| JUL | | | | | | | | | |
| 31... | 0845 | .010 | .070 | .040 | 0 | <1 | <10 | 7 | 10 |
| AUG | | | | | | | | | |
| 21... | 0915 | <.010 | .050 | .020 | 0 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 25... | 0930 | .010 | .070 | .030 | 0 | 1 | <10 | 6 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 0845 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07069200 MAMMOTH SPRING AT MAMMOTH SPRING, AR

LOCATION.--Lat 36°29'53", long 91°32'08", in SE 1/4 SW 1/4 sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for period of no gage-height record, Mar. 30 to May 2, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 689 $ft^3/s$ Dec. 3, 1982, gage height, 5.10 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, 498 $ft^3/s$ Nov. 23, gage height, 4.73 ft; minimum, 254 $ft^3/s$ Oct. 30, 31, Nov. 1, 2, 3, gage height, 4.05 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 19 3 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 280 | 254 | 489 | 460 | 382 | 386 | 430 | 445 | 420 | 353 | 305 | 271 |
| 2 | 280 | 254 | 485 | 456 | 379 | 386 | 430 | 445 | 415 | 350 | 305 | 268 |
| 3 | 280 | 261 | 488 | 452 | 379 | 386 | 430 | 443 | 405 | 347 | 303 | 268 |
| 4 | 280 | 372 | 496 | 452 | 379 | 388 | 435 | 443 | 400 | 346 | 300 | 268 |
| 5 | 280 | 382 | 498 | 452 | 377 | 402 | 435 | 440 | 400 | 342 | 296 | 266 |
| 6 | 285 | 382 | 498 | 427 | 375 | 410 | 435 | 437 | 397 | 341 | 296 | 265 |
| 7 | 296 | 382 | 498 | 427 | 370 | 415 | 440 | 458 | 394 | 339 | 295 | 264 |
| 8 | 296 | 378 | 498 | 427 | 363 | 416 | 450 | 468 | 393 | 335 | 292 | 262 |
| 9 | 291 | 373 | 498 | 427 | 361 | 416 | 455 | 466 | 390 | 333 | 292 | 265 |
| 10 | 286 | 365 | 496 | 427 | 361 | 416 | 465 | 464 | 387 | 332 | 291 | 265 |
| 11 | 282 | 357 | 494 | 427 | 361 | 416 | 465 | 464 | 383 | 329 | 289 | 265 |
| 12 | 280 | 354 | 494 | 427 | 364 | 416 | 460 | 464 | 382 | 329 | 289 | 263 |
| 13 | 277 | 346 | 494 | 426 | 384 | 416 | 460 | 460 | 379 | 325 | 287 | 262 |
| 14 | 277 | 342 | 494 | 424 | 392 | 416 | 460 | 459 | 376 | 325 | 286 | 262 |
| 15 | 276 | 336 | 494 | 423 | 393 | 416 | 455 | 456 | 375 | 322 | 286 | 262 |
| 16 | 271 | 328 | 494 | 420 | 396 | 416 | 455 | 452 | 379 | 322 | 283 | 262 |
| 17 | 269 | 322 | 494 | 412 | 397 | 416 | 450 | 450 | 387 | 322 | 283 | 262 |
| 18 | 265 | 318 | 494 | 408 | 397 | 416 | 450 | 450 | 390 | 321 | 283 | 260 |
| 19 | 263 | 342 | 494 | 406 | 397 | 417 | 450 | 450 | 386 | 318 | 283 | 258 |
| 20 | 259 | 421 | 490 | 404 | 397 | 420 | 450 | 450 | 385 | 315 | 283 | 257 |
| 21 | 257 | 426 | 490 | 397 | 397 | 424 | 455 | 450 | 382 | 315 | 283 | 257 |
| 22 | 262 | 427 | 485 | 397 | 397 | 424 | 450 | 450 | 379 | 312 | 280 | 258 |
| 23 | 262 | 475 | 481 | 394 | 397 | 426 | 445 | 460 | 375 | 311 | 280 | 285 |
| 24 | 262 | 498 | 481 | 390 | 397 | 427 | 445 | 460 | 372 | 308 | 279 | 292 |
| 25 | 262 | 498 | 474 | 390 | 397 | 427 | 450 | 455 | 369 | 308 | 277 | 290 |
| 26 | 262 | 495 | 472 | 390 | 397 | 427 | 450 | 450 | 365 | 307 | 277 | 289 |
| 27 | 260 | 490 | 472 | 390 | 393 | 427 | 450 | 450 | 364 | 308 | 276 | 289 |
| 28 | 257 | 490 | 472 | 390 | 393 | 427 | 450 | 440 | 361 | 308 | 272 | 289 |
| 29 | 257 | 490 | 467 | 390 | 388 | 428 | 450 | 435 | 358 | 308 | 271 | 285 |
| 30 | 254 | 490 | 462 | 386 | --- | 430 | 445 | 430 | 356 | 308 | 271 | 281 |
| 31 | 254 | --- | 460 | 386 | --- | 430 | --- | 420 | --- | 308 | 271 | --- |
| TOTAL | 8422 | 11648 | 15096 | 12884 | 11160 | 12883 | 13450 | 13964 | 11504 | 10047 | 8864 | 8090 |
| MEAN | 272 | 388 | 487 | 416 | 385 | 416 | 448 | 450 | 383 | 324 | 286 | 270 |
| MAX | 296 | 498 | 498 | 460 | 397 | 430 | 465 | 468 | 420 | 353 | 305 | 292 |
| MIN | 254 | 254 | 460 | 386 | 361 | 386 | 430 | 420 | 356 | 307 | 271 | 257 |
| AC-FT | 16710 | 23100 | 29940 | 25560 | 22140 | 25550 | 26680 | 27700 | 22820 | 19930 | 17580 | 16050 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 137977 | MEAN | 378 | MAX | 498 | MIN | 254 | AC-FT | 273700 |
| WTR YR 1984 | TOTAL | 138012 | MEAN | 377 | MAX | 498 | MIN | 254 | AC-FT | 273700 |

## 07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR

LOCATION.--Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 19... | 0530 | 9 | 9827 | 9827 | 53 | 7.9 | 14.0 | 16.0 | 4.5 | 7.1 |
| NOV | | | | | | | | | | |
| 08... | 0845 | 9 | 9827 | 9827 | 127 | 7.9 | 7.0 | 12.0 | 20 | 9.0 |
| DEC | | | | | | | | | | |
| 13... | 0900 | 9 | 9827 | 9827 | 520 | 7.7 | 4.0 | 7.0 | 20 | 11.2 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0845 | 9 | 9827 | 9827 | 107 | 8.0 | -7.0 | 1.0 | 2.0 | -- |
| FEB | | | | | | | | | | |
| 14... | 0900 | 9 | 9827 | 9827 | 550 | 7.9 | 3.0 | 8.0 | 35 | 10.8 |
| MAR | | | | | | | | | | |
| 13... | 0830 | 9 | 9827 | 9827 | 280 | 7.9 | 5.0 | 8.0 | 3.8 | 11.3 |
| APR | | | | | | | | | | |
| 10... | 0830 | 9 | 9827 | 9827 | 1120 | 7.8 | 13.0 | 12.0 | 20 | 9.8 |
| MAY | | | | | | | | | | |
| 08... | 0900 | 9 | 9827 | 9827 | 1980 | 7.5 | 10.0 | 14.0 | 80 | 8.6 |
| JUN | | | | | | | | | | |
| 05... | 0900 | 9 | 9827 | 9827 | 45 | 8.0 | 30.0 | 20.0 | 3.6 | 7.1 |
| JUL | | | | | | | | | | |
| 17... | 0940 | 9 | 9827 | 9827 | 39 | 7.9 | 25.0 | 23.0 | 4.0 | 6.5 |
| AUG | | | | | | | | | | |
| 14... | 0830 | 9 | 9827 | 9827 | 20 | 7.9 | 23.0 | 24.0 | 3.5 | 7.4 |
| SEP | | | | | | | | | | |
| 11... | 0845 | 9 | 9827 | 9827 | 51 | 7.8 | 21.0 | 24.0 | -- | 5.6 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 19... | 0530 | 1.0 | 320 | 4.0 | 5.0 | 192 | .26 | 8 | .09 |
| NOV | | | | | | | | | |
| 08... | 0845 | 1.8 | 400 | <1.0 | 5.0 | 182 | .25 | 9 | -- |
| DEC | | | | | | | | | |
| 13... | 0900 | 1.3 | 880 | 2.0 | 5.0 | 126 | .17 | 19 | .65 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0845 | .9 | <4 | 3.0 | 5.0 | 205 | .28 | 6 | .63 |
| FEB | | | | | | | | | |
| 14... | 0900 | 1.5 | 1200 | 6.0 | 6.0 | 155 | .21 | 28 | .52 |
| MAR | | | | | | | | | |
| 13... | 0830 | .2 | 20 | 3.0 | 3.0 | 181 | .25 | 7 | -- |
| APR | | | | | | | | | |
| 10... | 0830 | 2.0 | 2100 | 2.0 | 2.5 | 126 | .17 | 34 | .36 |
| MAY | | | | | | | | | |
| 08... | 0900 | 3.9 | 12000 | -- | 2.0 | 143 | .19 | 114 | .22 |
| JUN | | | | | | | | | |
| 05... | 0900 | 1.2 | 40 | 3.0 | 4.5 | 214 | .29 | 6 | .23 |
| JUL | | | | | | | | | |
| 17... | 0940 | 1.1 | 88 | 3.0 | 3.0 | 222 | .30 | 4 | .12 |
| AUG | | | | | | | | | |
| 14... | 0830 | 2.6 | 56 | 1.0 | 4.0 | 232 | .32 | 8 | .11 |
| SEP | | | | | | | | | |
| 11... | 0845 | 1.6 | 52 | 2.0 | 5.0 | 174 | .24 | 7 | .39 |

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 19... | 0530 | .030 | .030 | <.010 | 0 | <1 | 28 | 12 | 20 |
| NOV | | | | | | | | | |
| 08... | 0845 | .070 | .120 | .040 | 0 | 2 | 40 | 20 | 10 |
| DEC | | | | | | | | | |
| 13... | 0900 | .020 | .040 | <.010 | 0 | 2 | 29 | 91 | 40 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0845 | .010 | <.010 | <.010 | 0 | 2 | 25 | 92 | 50 |
| FEB | | | | | | | | | |
| 14... | 0900 | .070 | .060 | .040 | 0 | <1 | 680 | 62 | 590 |
| MAR | | | | | | | | | |
| 13... | 0830 | <.010 | .070 | -- | 0 | <1 | 47 | 9 | 40 |
| APR | | | | | | | | | |
| 10... | 0830 | .040 | .090 | .020 | 0 | 1 | 28 | 14 | -- |
| MAY | | | | | | | | | |
| 08... | 0900 | .100 | .100 | .040 | 0 | 2 | -- | 17 | -- |
| JUN | | | | | | | | | |
| 05... | 0900 | .030 | .030 | <.010 | -- | <1 | <10 | 7 | 30 |
| JUL | | | | | | | | | |
| 17... | 0940 | <.010 | .030 | .030 | 0 | <1 | 12 | 10 | 10 |
| AUG | | | | | | | | | |
| 14... | 0830 | <.010 | .040 | .020 | 0 | <1 | 18 | 23 | 20 |
| SEP | | | | | | | | | |
| 11... | 0845 | <.010 | .040 | .010 | 0 | 1 | 59 | 20 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 14... | 0830 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07069370 SPRING RIVER AT RAVENDEN, AR

LOCATION.--Lat 36°13'30", long 91°15'03", in SE 1/4 NW 1/4 sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1250 | 9 | 9827 | 9827 | 474 | 8.2 | 16.0 | 17.0 | 4.2 | 9.2 |
| NOV | | | | | | | | | | |
| 29... | 0900 | 9 | 9827 | 9827 | 2810 | -- | .0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0950 | 9 | 9827 | 9827 | 1120 | -- | 3.0 | 7.0 | 3.0 | 11.9 |
| 24... | 1000 | 9 | 9827 | 9827 | 1180 | 8.2 | 4.0 | 1.0 | 20 | 13.0 |
| FEB | | | | | | | | | | |
| 21... | 1000 | 9 | 9827 | 9827 | 1400 | 8.2 | 5.0 | 10.0 | 3.2 | 11.2 |
| MAR | | | | | | | | | | |
| 20... | 1015 | 9 | 9827 | 9827 | 2350 | 8.1 | -- | -- | 25 | -- |
| APR | | | | | | | | | | |
| 24... | 1100 | 9 | 9827 | 9827 | 1710 | 8.2 | 25.0 | 15.0 | 3.4 | 10.7 |
| MAY | | | | | | | | | | |
| 22... | 1035 | 9 | 9827 | 9827 | 1500 | 8.1 | 28.0 | 18.0 | 6.0 | 8.8 |
| JUN | | | | | | | | | | |
| 19... | 1015 | 9 | 9827 | 9827 | 816 | 8.1 | 31.0 | 25.0 | 6.0 | 7.0 |
| JUL | | | | | | | | | | |
| 31... | 1000 | 9 | 9827 | 9827 | 495 | 8.1 | 30.0 | 25.0 | 3.5 | 7.8 |
| AUG | | | | | | | | | | |
| 21... | 1030 | 9 | 9827 | 9827 | 453 | 8.1 | 28.0 | 25.0 | 5.0 | 8.0 |
| SEP | | | | | | | | | | |
| 25... | 1100 | 9 | 9827 | 9827 | 542 | 8.1 | 26.0 | 21.0 | 6.0 | 8.1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1250 | 2.0 | 60 | 3.0 | 3.5 | 242 | .33 | 10 | .38 |
| NOV | | | | | | | | | |
| 29... | 0900 | -- | 660 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 0950 | .7 | 12 | 2.0 | 5.0 | 231 | .31 | 5 | .79 |
| 24... | 1000 | 1.4 | 14 | <1.0 | 4.0 | 236 | .32 | 49 | .70 |
| FEB | | | | | | | | | |
| 21... | 1000 | 1.1 | 12 | -- | 5.0 | 231 | .31 | 7 | .50 |
| MAR | | | | | | | | | |
| 20... | 1015 | 1.3 | 64 | 5.0 | 2.0 | 203 | .28 | 14 | .56 |
| APR | | | | | | | | | |
| 24... | 1100 | .6 | 10 | 7.0 | 3.5 | 233 | .32 | 9 | .49 |
| MAY | | | | | | | | | |
| 22... | 1035 | 1.1 | 60 | 1.0 | 2.5 | 112 | .15 | 24 | .17 |
| JUN | | | | | | | | | |
| 19... | 1015 | 1.0 | 44 | 2.0 | 4.5 | 244 | .33 | 14 | .58 |
| JUL | | | | | | | | | |
| 31... | 1000 | 1.1 | 16 | 8.0 | 2.5 | 227 | .31 | 23 | .42 |
| AUG | | | | | | | | | |
| 21... | 1030 | 1.9 | 36 | -- | 2.5 | 238 | .32 | 12 | .42 |
| SEP | | | | | | | | | |
| 25... | 1100 | .9 | 20 | 1.0 | 2.5 | 236 | .32 | 46 | .33 |

07069370 SPRING RIVER AT RAVENDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1250 | .010 | .030 | <.010 | 0 | <1 | <10 | 1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0950 | .010 | .010 | <.010 | 0 | 1 | 18 | 6 | 0 |
| 24... | 1000 | .010 | .050 | <.010 | 0 | -- | 13 | 10 | 20 |
| FEB | | | | | | | | | |
| 21... | 1000 | <.010 | .020 | .010 | 0 | <1 | .10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1015 | .020 | .050 | .010 | 0 | <1 | <10 | 2 | 20 |
| APR | | | | | | | | | |
| 24... | 1100 | .020 | .050 | <.010 | 0 | <1 | 15 | 7 | 40 |
| MAY | | | | | | | | | |
| 22... | 1035 | .070 | .030 | -- | 0 | 3 | <10 | 5 | 20 |
| JUN | | | | | | | | | |
| 19... | 1015 | -- | -- | .010 | -- | <1 | <10 | 12 | 20 |
| JUL | | | | | | | | | |
| 31... | 1000 | .010 | .060 | .020 | 0 | 1 | <10 | 1 | 0 |
| AUG | | | | | | | | | |
| 21... | 1030 | <.010 | .030 | .010 | 0 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 25... | 1100 | .010 | .070 | <.010 | 0 | 3 | <10 | 8 | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1000 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE 1/4 NE 1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi uptream 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 $mi^2$.

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft 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.--Records good.

AVERAGE DISCHARGE.--48 years, 1,357 $ft^3/s$, 15.58 in/yr, 983,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 $ft^3/s$ Dec. 3, 1982, gage height, 38.12 ft from flood-marks, from rating curve extended above 78,000 $ft^3/s$, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 $ft^3/s$ Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft, from information by Corps of Engineers, discharge, about 125,000 $ft^3/s$.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 9,000 $ft^3/s$ and maximim (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| Nov. 24 | 1130 | 10,900 | 15.93 |
| Dec. 4 | 0700 | 9,490 | 14.62 |
| May 7 | 2115 | *16,900 | 18.95 |

Minimum discharge, 366 $ft^3/s$ Oct. 1, gage height, 2.82 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 379 | 427 | 1840 | 1200 | 1050 | 1430 | 2260 | 1630 | 1190 | 678 | 498 | 413 |
| 2 | 380 | 433 | 2240 | 1160 | 1040 | 1410 | 2210 | 1540 | 1130 | 667 | 491 | 410 |
| 3 | 380 | 460 | 4610 | 1110 | 1040 | 1390 | 4010 | 1540 | 1090 | 657 | 500 | 432 |
| 4 | 388 | 1230 | 8860 | 1100 | 1010 | 1670 | 3880 | 1510 | 1060 | 654 | 512 | 433 |
| 5 | 516 | 1760 | 4980 | 1120 | 990 | 3080 | 3010 | 1470 | 1030 | 656 | 502 | 415 |
| 6 | 635 | 1300 | 3480 | 1130 | 962 | 2790 | 2610 | 1780 | 1010 | 639 | 530 | 408 |
| 7 | 526 | 982 | 2780 | 1120 | 957 | 2280 | 2340 | 8970 | 997 | 626 | 539 | 403 |
| 8 | 535 | 854 | 2410 | 1110 | 944 | 2010 | 3160 | 10800 | 983 | 618 | 503 | 400 |
| 9 | 498 | 772 | 2150 | 1100 | 939 | 1810 | 7250 | 4300 | 976 | 613 | 514 | 682 |
| 10 | 474 | 757 | 1990 | 1110 | 941 | 1700 | 5070 | 3170 | 938 | 599 | 509 | 606 |
| 11 | 461 | 710 | 2690 | 1090 | 930 | 1610 | 3750 | 2690 | 908 | 589 | 510 | 549 |
| 12 | 494 | 671 | 3920 | 1070 | 2160 | 1590 | 3280 | 2370 | 884 | 580 | 489 | 493 |
| 13 | 469 | 664 | 2870 | 1070 | 3540 | 1630 | 2950 | 2250 | 843 | 570 | 477 | 467 |
| 14 | 451 | 649 | 2610 | 1040 | 2660 | 1600 | 2640 | 4330 | 858 | 562 | 474 | 449 |
| 15 | 443 | 631 | 2450 | 1020 | 2120 | 1550 | 2420 | 2260 | 851 | 565 | 465 | 430 |
| 16 | 439 | 621 | 2190 | 1010 | 1930 | 1870 | 2270 | 1970 | 830 | 596 | 461 | 419 |
| 17 | 436 | 600 | 1990 | 1000 | 1780 | 2810 | 2140 | 1800 | 933 | 581 | 457 | 413 |
| 18 | 474 | 589 | 1860 | 996 | 1670 | 3340 | 2000 | 1690 | 853 | 576 | 446 | 414 |
| 19 | 453 | 623 | 1760 | 971 | 1570 | 2670 | 1900 | 1600 | 815 | 552 | 453 | 412 |
| 20 | 433 | 4790 | 1680 | 943 | 1470 | 2350 | 1840 | 1580 | 881 | 524 | 464 | 410 |
| 21 | 473 | 3640 | 1640 | 926 | 1400 | 2120 | 1880 | 1570 | 888 | 531 | 450 | 407 |
| 22 | 510 | 1810 | 1580 | 923 | 1340 | 1930 | 1820 | 1500 | 879 | 525 | 452 | 422 |
| 23 | 498 | 3700 | 1520 | 1050 | 1290 | 1800 | 1770 | 1420 | 860 | 518 | 448 | 527 |
| 24 | 493 | 9700 | 1500 | 1190 | 1250 | 1760 | 1700 | 1330 | 804 | 512 | 436 | 505 |
| 25 | 494 | 3250 | 1480 | 1200 | 1190 | 1770 | 1640 | 1280 | 764 | 507 | 429 | 542 |
| 26 | 472 | 2140 | 1450 | 1180 | 1160 | 1820 | 1590 | 1300 | 741 | 510 | 427 | 531 |
| 27 | 458 | 2260 | 1400 | 1170 | 1390 | 1730 | 1550 | 1430 | 727 | 529 | 426 | 511 |
| 28 | 449 | 3580 | 1360 | 1150 | 1510 | 3140 | 1500 | 1610 | 718 | 510 | 430 | 504 |
| 29 | 441 | 2810 | 1320 | 1130 | 1480 | 3530 | 1510 | 1430 | 731 | 498 | 426 | 488 |
| 30 | 435 | 2130 | 1280 | 1100 | --- | 2840 | 1720 | 1340 | 691 | 494 | 422 | 477 |
| 31 | 432 | --- | 1240 | 1060 | --- | 2400 | --- | 1240 | --- | 494 | 409 | --- |
| TOTAL | 14419 | 54543 | 75130 | 33549 | 41713 | 65430 | 77670 | 74700 | 26863 | 17730 | 14549 | 13972 |
| MEAN | 465 | 1818 | 2424 | 1082 | 1438 | 2111 | 2589 | 2410 | 895 | 572 | 469 | 466 |
| MAX | 635 | 9700 | 8860 | 1200 | 3540 | 3530 | 7250 | 10800 | 1190 | 678 | 539 | 682 |
| MIN | 379 | 427 | 1240 | 923 | 930 | 1390 | 1500 | 1240 | 691 | 494 | 409 | 400 |
| CFSM | .39 | 1.54 | 2.05 | .91 | 1.22 | 1.78 | 2.19 | 2.04 | .76 | .48 | .40 | .39 |
| IN. | .45 | 1.72 | 2.36 | 1.05 | 1.31 | 2.06 | 2.44 | 2.35 | .84 | .56 | .46 | .44 |
| AC-FT | 28600 | 108200 | 149000 | 66540 | 82740 | 129800 | 154100 | 148200 | 53280 | 35170 | 28860 | 27710 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 495143 | MEAN | 1357 | MAX | 11400 | MIN | 379 | CFSM | 1.15 | IN. | 15.57 | AC-FT | 982100 |
| WTR YR 1984 | TOTAL | 510268 | MEAN | 1394 | MAX | 10800 | MIN | 379 | CFSM | 1.18 | IN. | 16.05 | AC-FT | 1012000 |

## 07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, AR

LOCATION.--Lat 36°20'48", long 91°06'48", in SE 1/4 SE 1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on 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 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.

AVERAGE DISCHARGE.--53 years, 1,118 $ft^3/s$, 13.39 in/yr, 810,000 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.--Maximum discharge, 6,480 $ft^3/s$ Nov. 24, at 2115 hours, gage height, 11.28 ft, no other peak above base of 6,000 $ft^3/s$; minimum, 423 $ft^3/s$ Oct. 15, Nov. 1, gage height, 2.81 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 470 | 468 | 1580 | 1080 | 867 | 989 | 1930 | 1750 | 1150 | 957 | 680 | 565 |
| 2 | 470 | 496 | 2050 | 1080 | 854 | 971 | 1890 | 1620 | 1160 | 875 | 654 | 560 |
| 3 | 470 | 534 | 2860 | 1070 | 853 | 986 | 2820 | 1610 | 1160 | 868 | 649 | 567 |
| 4 | 570 | 788 | 4800 | 1080 | 837 | 1140 | 2600 | 1580 | 1130 | 822 | 643 | 564 |
| 5 | 930 | 1140 | 3720 | 1070 | 819 | 1390 | 2380 | 1510 | 1100 | 827 | 656 | 557 |
| 6 | 575 | 890 | 2820 | 1080 | 817 | 1490 | 2190 | 1610 | 1060 | 805 | 645 | 553 |
| 7 | 520 | 780 | 2300 | 1060 | 810 | 1510 | 2050 | 3530 | 1080 | 788 | 654 | 549 |
| 8 | 520 | 709 | 2010 | 1030 | 810 | 1470 | 2590 | 3720 | 1100 | 774 | 646 | 546 |
| 9 | 520 | 684 | 1830 | 1010 | 809 | 1400 | 3790 | 2880 | 1050 | 772 | 654 | 625 |
| 10 | 520 | 679 | 1720 | 1050 | 798 | 1330 | 3470 | 2450 | 1070 | 760 | 651 | 656 |
| 11 | 470 | 643 | 2010 | 1020 | 790 | 1300 | 2950 | 2290 | 1040 | 744 | 642 | 610 |
| 12 | 520 | 616 | 2500 | 995 | 1260 | 1300 | 2680 | 2080 | 1010 | 748 | 631 | 583 |
| 13 | 501 | 619 | 2270 | 975 | 1510 | 1300 | 2450 | 1890 | 972 | 741 | 627 | 567 |
| 14 | 473 | 591 | 2100 | 953 | 1380 | 1270 | 2230 | 1830 | 976 | 760 | 621 | 559 |
| 15 | 469 | 590 | 1950 | 934 | 1360 | 1250 | 2070 | 1710 | 1070 | 781 | 616 | 548 |
| 16 | 472 | 578 | 1780 | 919 | 1300 | 1270 | 1950 | 1630 | 1100 | 774 | 611 | 540 |
| 17 | 458 | 626 | 1640 | 912 | 1250 | 1660 | 1880 | 1550 | 1050 | 726 | 609 | 537 |
| 18 | 470 | 604 | 1570 | 898 | 1200 | 1730 | 1780 | 1500 | 1120 | 723 | 602 | 537 |
| 19 | 479 | 669 | 1480 | 877 | 1160 | 2070 | 1710 | 1470 | 1100 | 708 | 613 | 534 |
| 20 | 471 | 2280 | 1430 | 872 | 1120 | 2280 | 1660 | 1440 | 1380 | 690 | 601 | 532 |
| 21 | 496 | 2090 | 1420 | 848 | 1090 | 2120 | 1660 | 1420 | 1210 | 720 | 593 | 531 |
| 22 | 494 | 1450 | 1360 | 842 | 1070 | 1960 | 1690 | 1370 | 1080 | 676 | 642 | 537 |
| 23 | 486 | 2560 | 1290 | 956 | 1060 | 1880 | 1710 | 1330 | 1010 | 693 | 623 | 592 |
| 24 | 478 | 5170 | 1240 | 935 | 1040 | 1770 | 1690 | 1280 | 1000 | 666 | 589 | 628 |
| 25 | 468 | 3180 | 1200 | 949 | 1030 | 1710 | 1650 | 1260 | 972 | 659 | 584 | 635 |
| 26 | 476 | 1960 | 1180 | 922 | 981 | 1700 | 1610 | 1250 | 943 | 663 | 580 | 655 |
| 27 | 460 | 1890 | 1170 | 921 | 1050 | 1690 | 1580 | 1520 | 963 | 666 | 578 | 731 |
| 28 | 494 | 2320 | 1160 | 917 | 1020 | 2460 | 1520 | 1530 | 1010 | 654 | 584 | 656 |
| 29 | 481 | 2160 | 1130 | 913 | 996 | 2400 | 1530 | 1310 | 898 | 650 | 578 | 617 |
| 30 | 460 | 1790 | 1090 | 886 | --- | 2200 | 1620 | 1210 | 871 | 646 | 574 | 593 |
| 31 | 476 | --- | 1090 | 872 | --- | 2030 | --- | 1190 | --- | 642 | 570 | --- |
| TOTAL | 15617 | 39554 | 57750 | 29926 | 29941 | 50026 | 63330 | 54320 | 31835 | 22978 | 19200 | 17464 |
| MEAN | 504 | 1318 | 1863 | 965 | 1032 | 1614 | 2111 | 1752 | 1061 | 741 | 619 | 582 |
| MAX | 930 | 5170 | 4800 | 1080 | 1510 | 2460 | 3790 | 3720 | 1380 | 957 | 680 | 731 |
| MIN | 458 | 468 | 1090 | 842 | 790 | 971 | 1520 | 1190 | 871 | 642 | 570 | 531 |
| CFSM | .44 | 1.16 | 1.64 | .85 | .91 | 1.42 | 1.86 | 1.54 | .94 | .65 | .55 | .51 |
| IN. | .51 | 1.30 | 1.89 | .98 | .98 | 1.64 | 2.08 | 1.78 | 1.04 | .75 | .63 | .57 |
| AC-FT | 30980 | 78460 | 114500 | 59360 | 59390 | 99230 | 125600 | 107700 | 63140 | 45580 | 38080 | 34640 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 431293 | MEAN | 1182 | MAX | 5210 | MIN | 458 | CFSM | 1.04 | IN. | 14.15 | AC-FT 855500 |
| WTR YR 1984 | TOTAL | 431941 | MEAN | 1180 | MAX | 5170 | MIN | 458 | CFSM | 1.04 | IN. | 14.17 | AC-FT 856800 |

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°14'13", long 91°05'05", in NW 1/4 SE 1/4 sec.33. T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.0 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1400 | 9 | 9827 | 9827 | 494 | 8.1 | 18.0 | 16.0 | 3.2 | 10.0 |
| NOV | | | | | | | | | | |
| 29... | 0830 | 9 | 9827 | 9827 | 2270 | -- | 1.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0900 | 9 | 9827 | 9827 | 1100 | -- | .0 | 7.0 | 3.0 | 11.1 |
| 24... | 0930 | 9 | 9827 | 9827 | 982 | 7.9 | 4.0 | 5.0 | 3.6 | 11.4 |
| FEB | | | | | | | | | | |
| 21... | 0930 | 9 | 9827 | 9827 | 1140 | 8.0 | 6.0 | 10.0 | 2.0 | 10.8 |
| MAR | | | | | | | | | | |
| 20... | 0930 | 9 | 9827 | 9827 | 2390 | 7.9 | -- | -- | 160 | -- |
| APR | | | | | | | | | | |
| 14... | 1015 | 9 | 9827 | 9827 | 2340 | 8.0 | 21.0 | 14.0 | 4.0 | 11.8 |
| MAY | | | | | | | | | | |
| 22... | 0945 | 9 | 9827 | 9827 | 1440 | 7.9 | 22.0 | 18.0 | 5.0 | 9.2 |
| JUN | | | | | | | | | | |
| 19... | 0930 | 9 | 9827 | 9827 | 1160 | 8.0 | 32.0 | 22.0 | 5.8 | 8.8 |
| JUL | | | | | | | | | | |
| 31... | 0915 | 9 | 9827 | 9827 | 674 | 8.0 | 28.0 | 25.0 | 6.0 | 7.8 |
| AUG | | | | | | | | | | |
| 21... | 0945 | 9 | 9827 | 9827 | 623 | 8.0 | 28.0 | 25.0 | 6.0 | 9.0 |
| SEP | | | | | | | | | | |
| 25... | 1000 | 9 | 9827 | 9827 | 667 | 8.0 | 26.0 | 20.0 | 4.5 | 8.4 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1400 | 2.2 | 44 | 3.0 | 3.5 | 221 | .30 | 6 | .37 |
| NOV | | | | | | | | | |
| 29... | 0830 | -- | 190 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 0900 | .8 | 4 | 2.0 | 5.0 | 182 | .25 | 6 | .76 |
| 24... | 0930 | 1.7 | 140 | 1.0 | 4.5 | 192 | .26 | 7 | .71 |
| FEB | | | | | | | | | |
| 21... | 0930 | .6 | 12 | -- | 4.5 | 204 | .28 | 10 | .60 |
| MAR | | | | | | | | | |
| 20... | 0930 | 1.2 | 110 | 4.0 | 3.0 | 164 | .22 | 40 | .67 |
| APR | | | | | | | | | |
| 14... | 1015 | .7 | 30 | 7.0 | 3.0 | 171 | .23 | 10 | .59 |
| MAY | | | | | | | | | |
| 22... | 0945 | 1.4 | 8 | <1.0 | 2.0 | 165 | .22 | 14 | .45 |
| JUN | | | | | | | | | |
| 19... | 0930 | 2.0 | 24 | 2.0 | 5.5 | 200 | .27 | 14 | .61 |
| JUL | | | | | | | | | |
| 31... | 0915 | .5 | 40 | 7.0 | 2.5 | 201 | .27 | 21 | .57 |
| AUG | | | | | | | | | |
| 21... | 0945 | 1.8 | 20 | -- | 2.5 | 209 | .28 | 18 | .57 |
| SEP | | | | | | | | | |
| 25... | 1000 | .9 | 20 | 1.0 | 2.0 | 204 | .28 | 16 | .44 |

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1400 | .030 | .020 | <.010 | 0 | <1 | 10 | 1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0900 | .010 | .010 | <.010 | 0 | 2 | <10 | 1 | 0 |
| 24... | 0930 | .030 | .010 | .010 | 0 | -- | <10 | 2 | 0 |
| FEB | | | | | | | | | |
| 21... | 0930 | <.010 | .020 | .010 | 0 | <1 | 10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 0930 | .040 | .040 | <.010 | 0 | 1 | <10 | <1 | 40 |
| APR | | | | | | | | | |
| 14... | 1015 | .030 | .040 | .010 | 0 | <1 | 10 | <1 | 0 |
| MAY | | | | | | | | | |
| 22... | 0945 | .060 | .030 | <.010 | 0 | 2 | <10 | <1 | 0 |
| JUN | | | | | | | | | |
| 19... | 0930 | -- | -- | .010 | -- | <1 | <10 | 4 | 30 |
| JUL | | | | | | | | | |
| 31... | 0915 | .010 | .050 | .010 | 0 | <1 | <10 | 1 | 20 |
| AUG | | | | | | | | | |
| 21... | 0945 | <.010 | .020 | .010 | 0 | <1 | <10 | <1 | 10 |
| SEP | | | | | | | | | |
| 25... | 1000 | <.010 | .040 | .010 | 0 | 1 | 13 | 9 | 10 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 0915 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07072500 BLACK RIVER AT BLACK ROCK, AR

LOCATION.--Lat 36°06'15", long 91°05'50", in NW 1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank 900 ft downsteam from St. Louis-San Francisco Railway 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 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.--Records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--47 years, 8,418 $ft^3/s$, 6,099,000 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 ft3/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, 27,600 $ft^3/s$ May 8, gage height, 20.62 ft; minimum daily, 2,720 $ft^3/s$ Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2760 | 2950 | 17300 | 8270 | 6180 | 7730 | 17900 | 12600 | 9920 | 4150 | 3280 | 2790 |
| 2 | 2750 | 2960 | 17100 | 8190 | 6030 | 7420 | 17700 | 12000 | 9390 | 4110 | 3290 | 2770 |
| 3 | 2740 | 3000 | 18700 | 8130 | 5930 | 7110 | 19200 | 11400 | 8900 | 4080 | 3250 | 2780 |
| 4 | 2740 | 3480 | 22700 | 8140 | 5840 | 7120 | 20600 | 10700 | 8460 | 4020 | 3300 | 2800 |
| 5 | 2980 | 5440 | 24400 | 8240 | 5700 | 8900 | 20700 | 10100 | 8020 | 4010 | 3380 | 2770 |
| 6 | 3400 | 6290 | 23300 | 8410 | 5530 | 9980 | 20300 | 10000 | 7580 | 4080 | 3630 | 2760 |
| 7 | 3360 | 6920 | 22400 | 8570 | 5340 | 10400 | 19800 | 15800 | 7120 | 4130 | 3870 | 2740 |
| 8 | 3340 | 6920 | 21700 | 8700 | 5170 | 10800 | 19800 | 26200 | 6740 | 4190 | 3900 | 2720 |
| 9 | 3300 | 6320 | 21100 | 8780 | 5040 | 10600 | 22900 | 24200 | 6430 | 4210 | 3930 | 3180 |
| 10 | 3210 | 5730 | 20500 | 8970 | 4950 | 10000 | 24700 | 22200 | 6140 | 4150 | 3940 | 3400 |
| 11 | 3090 | 5290 | 20500 | 9060 | 4870 | 9350 | 24200 | 21100 | 5880 | 4060 | 3920 | 3360 |
| 12 | 3080 | 4930 | 21100 | 9000 | 6910 | 8820 | 23500 | 20100 | 5640 | 3940 | 3770 | 3250 |
| 13 | 3040 | 4650 | 21000 | 8880 | 11600 | 8590 | 22900 | 19300 | 5440 | 3840 | 3540 | 3220 |
| 14 | 2980 | 4450 | 20500 | 8630 | 12800 | 8340 | 22100 | 19700 | 5290 | 3780 | 3360 | 3240 |
| 15 | 2940 | 4350 | 20000 | 8310 | 12500 | 8120 | 21300 | 18700 | 5220 | 3710 | 3230 | 3290 |
| 16 | 2920 | 4270 | 19400 | 8010 | 12200 | 8340 | 20500 | 17400 | 5310 | 3810 | 3140 | 3230 |
| 17 | 2920 | 4150 | 18700 | 7650 | 11800 | 9560 | 19600 | 16200 | 5200 | 4010 | 3090 | 3120 |
| 18 | 2950 | 4040 | 18000 | 7350 | 11300 | 11900 | 18700 | 15000 | 5180 | 4060 | 3060 | 3010 |
| 19 | 2980 | 4020 | 17100 | 6920 | 10800 | 12100 | 17800 | 13800 | 5100 | 3970 | 3050 | 2920 |
| 20 | 2990 | 6960 | 16100 | 6450 | 10400 | 13000 | 16700 | 12800 | 5060 | 3860 | 3060 | 2870 |
| 21 | 3070 | 11400 | 15100 | 5840 | 9950 | 14200 | 15900 | 12100 | 5430 | 3780 | 3020 | 2850 |
| 22 | 3190 | 10900 | 14100 | 5580 | 9570 | 15200 | 15100 | 11500 | 5190 | 3690 | 2990 | 2840 |
| 23 | 3270 | 12400 | 12900 | 5520 | 9170 | 16200 | 14500 | 10900 | 5060 | 3570 | 3030 | 2960 |
| 24 | 3330 | 17700 | 11800 | 6180 | 8760 | 16900 | 14600 | 10500 | 4920 | 3460 | 2980 | 3120 |
| 25 | 3340 | 19500 | 10700 | 6510 | 8360 | 17100 | 15100 | 10200 | 4730 | 3370 | 2970 | 4080 |
| 26 | 3280 | 17500 | 9880 | 6640 | 8010 | 16900 | 15300 | 9920 | 4530 | 3450 | 2940 | 4900 |
| 27 | 3180 | 16800 | 9440 | 6720 | 8000 | 16500 | 15100 | 10700 | 4380 | 3830 | 2910 | 4880 |
| 28 | 3090 | 17800 | 9110 | 6690 | 8160 | 16900 | 14500 | 11600 | 4320 | 3490 | 2870 | 4690 |
| 29 | 3010 | 18400 | 8830 | 6620 | 8010 | 18700 | 13700 | 11700 | 4320 | 3340 | 2860 | 4440 |
| 30 | 2960 | 17800 | 8560 | 6510 | --- | 18600 | 13100 | 11100 | 4220 | 3280 | 2830 | 4260 |
| 31 | 2950 | --- | 8370 | 6360 | --- | 18200 | --- | 10500 | --- | 3230 | 2800 | --- |
| TOTAL | 95140 | 257320 | 520390 | 233830 | 238880 | 373580 | 557800 | 450020 | 179120 | 118660 | 101190 | 99240 |
| MEAN | 3069 | 8577 | 16790 | 7543 | 8237 | 12050 | 18590 | 14520 | 5971 | 3828 | 3264 | 3308 |
| MAX | 3400 | 19500 | 24400 | 9060 | 12800 | 18700 | 24700 | 26200 | 9920 | 4210 | 3940 | 4900 |
| MIN | 2740 | 2950 | 8370 | 5520 | 4870 | 7110 | 13100 | 9920 | 4220 | 3230 | 2800 | 2720 |
| AC-FT | 188700 | 510400 | 1032000 | 463800 | 473800 | 741000 | 1106000 | 892600 | 355300 | 235400 | 200700 | 196800 |

CAL YR 1983 TOTAL 3719380 MEAN 10190 MAX 47900 MIN 2740 AC-FT 7377000
WTR YR 1984 TOTAL 3225170 MEAN 8812 MAX 26200 MIN 2720 AC-FT 6397000

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | 9 | 80513 | 80010 | 2990 | 348 | 8.2 | 23.0 | 18.0 | 8.3 | 89 |
| JAN 04... | 1045 | 9 | 80513 | 80010 | 8490 | 350 | 7.8 | 7.0 | 4.0 | 11.4 | 87 |
| FEB 22... | 1130 | 9 | 80513 | 80010 | 10300 | 289 | 8.2 | 17.0 | 10.0 | 9.8 | 87 |
| APR 17... | 1320 | 9 | 80513 | 80010 | 19600 | 225 | 8.0 | 18.0 | 13.5 | 9.2 | 90 |
| JUN 12... | 1130 | 9 | 80513 | 80010 | 8850 | 322 | 8.1 | 28.0 | 25.0 | 7.5 | 91 |
| AUG 01... | 0930 | 9 | 80513 | 80010 | 3270 | 349 | 8.4 | 26.0 | 25.0 | 7.8 | 95 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | 755 | 1.8 | 41 | 180 | 190 | 0 | 0 | 38 | 22 | 2.1 |
| JAN 04... | 1045 | 758 | 1.8 | 30 | 740 | 130 | 5 | 5 | 27 | 15 | 2.3 |
| FEB 22... | 1130 | 758 | 3.1 | 23 | 100 | 130 | 24 | 24 | 26 | 15 | 1.9 |
| APR 17... | 1320 | 752 | 1.4 | 17 | 220 | 110 | 5 | 5 | 24 | 13 | 1.6 |
| JUN 12... | 1130 | 758 | 1.4 | 46 | 250 | 170 | 9 | 9 | 36 | 20 | 2.2 |
| AUG 01... | 0930 | 758 | 1.8 | 55 | 22 | 180 | 0 | 0 | 37 | 21 | 2.2 |

| DATE | TIME | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | NITROGEN, NITRATE TOTAL (MG/L AS N) (00620) | NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618) | NITROGEN, NITRITE TOTAL (MG/L AS N) (00615) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | 2 | .0 | 1.3 | 187 | 4.5 | 3.2 | .10 | .190 | .210 | .010 |
| JAN 04... | 1045 | 4 | .0 | 1.5 | 124 | 8.5 | 3.4 | <.10 | -- | -- | <.010 |
| FEB 22... | 1130 | 3 | .0 | 1.2 | 103 | 6.1 | 7.5 | <.10 | -- | -- | <.010 |
| APR 17... | 1320 | 3 | .0 | 1.2 | 109 | 6.1 | 2.3 | <.10 | .190 | -- | .010 |
| JUN 12... | 1130 | 3 | .0 | 1.1 | 163 | 12 | 5.1 | <.10 | -- | .390 | <.010 |
| AUG 01... | 0930 | 3 | .0 | 1.1 | 179 | 4.4 | 5.4 | <.10 | -- | -- | <.010 |

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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, ORGANIC DISSOLVED (MG/L AS N) (00607) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624) | NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | .020 | .200 | .230 | .030 | .080 | .07 | .22 | .10 | .00 | .30 |
| JAN 04... | 1045 | <.010 | .500 | .540 | .300 | .120 | .30 | 1.1 | .60 | .00 | 1.2 |
| FEB 22... | 1130 | <.010 | .300 | .240 | .090 | .590 | .21 | .21 | .30 | .00 | .80 |
| APR 17... | 1320 | <.010 | .200 | .210 | .120 | .140 | .38 | 1.6 | .50 | .00 | 1.7 |
| JUN 12... | 1130 | .020 | .300 | .410 | .130 | .080 | .37 | .02 | .50 | -- | .10 |
| AUG 01... | 0930 | <.010 | .200 | .200 | .030 | .070 | -- | -- | <.10 | -- | <.10 |

| DATE | TIME | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN DISSOLVED (MG/L AS N) (00602) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | .30 | .53 | .030 | .020 | 310 | <1 | 20 | <1 | <1 |
| JAN 04... | 1045 | 1.1 | 1.7 | .060 | .040 | -- | -- | 30 | -- | -- |
| FEB 22... | 1130 | .60 | 1.0 | .030 | <.010 | -- | -- | <20 | -- | -- |
| APR 17... | 1320 | .70 | 1.9 | .030 | .030 | -- | -- | <20 | -- | -- |
| JUN 12... | 1130 | .80 | .51 | .040 | .020 | -- | -- | <20 | -- | -- |
| AUG 01... | 0930 | -- | -- | <.010 | <.010 | -- | -- | 20 | -- | -- |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | 1030 | 2 | 9 | 300 | 4 | 50 | <.1 | 2 | <1 | 20 |

07073500 PINEY FORK AT EVENING SHADE, AR

LOCATION.--Lat 36°04'50", long 91°36'39", in SE 1/4 NE 1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade, and at mile 5.8.

DRAINAGE AREA.--99.2 $mi^2$.

PERIOD OF RECORD.--February 1939 to September 1984 (discontinued as a continuous-record station, converted to a crest-stage partial-record station). Prior to October 1962, published as "Piney Fork Strawberry River at Evening Shade."

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

GAGE.--Water-stage recorder. Datum of gage is 420.62 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 5, 1945, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 90.1 $ft^3/s$, 12.33 in/yr, 65,280 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,400 $ft^3/s$ Dec. 3, 1982, gage height, 30.32 ft, from flood-marks, from rating curve extended above 11,000 $ft^3/s$ on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,150 $ft^3/s$ May 7, at 1730 hours, gage height, 12.16 ft, no other peak above base of 2,000 $ft^3/s$; minimum, 1.3 $ft^3/s$ Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.0 | 2.3 | 35 | 35 | 30 | 111 | 110 | 56 | 30 | 9.5 | 3.5 | 2.9 |
| 2 | 1.9 | 1.5 | 50 | 30 | 29 | 107 | 145 | 56 | 29 | 9.4 | 3.6 | 4.3 |
| 3 | 1.7 | 1.6 | 461 | 30 | 29 | 96 | 525 | 61 | 28 | 8.4 | 10 | 4.7 |
| 4 | 1.7 | 4.6 | 388 | 30 | 29 | 211 | 200 | 60 | 26 | 8.9 | 25 | 4.8 |
| 5 | 3.5 | 5.6 | 161 | 30 | 27 | 398 | 135 | 58 | 25 | 9.0 | 6.3 | 4.1 |
| 6 | 3.2 | 3.3 | 175 | 30 | 25 | 225 | 135 | 116 | 24 | 8.3 | 4.4 | 3.8 |
| 7 | 3.6 | 2.7 | 120 | 30 | 25 | 174 | 140 | 1860 | 23 | 7.6 | 4.1 | 3.6 |
| 8 | 3.5 | 2.5 | 103 | 30 | 25 | 143 | 540 | 782 | 22 | 7.2 | 3.8 | 3.4 |
| 9 | 3.1 | 2.3 | 88 | 40 | 24 | 119 | 930 | 324 | 22 | 6.9 | 4.2 | 261 |
| 10 | 3.5 | 2.0 | 77 | 40 | 24 | 107 | 510 | 226 | 20 | 6.1 | 4.7 | 41 |
| 11 | 3.7 | 2.3 | 138 | 38 | 24 | 98 | 259 | 174 | 19 | 5.4 | 4.5 | 18 |
| 12 | 5.6 | 2.6 | 124 | 32 | 598 | 98 | 236 | 140 | 19 | 5.9 | 4.9 | 13 |
| 13 | 5.0 | 2.7 | 101 | 31 | 400 | 112 | 209 | 117 | 17 | 5.0 | 4.5 | 11 |
| 14 | 4.9 | 2.7 | 108 | 30 | 211 | 96 | 166 | 101 | 16 | 4.7 | 4.3 | 9.0 |
| 15 | 4.3 | 3.0 | 101 | 30 | 156 | 87 | 145 | 87 | 17 | 5.9 | 4.5 | 7.6 |
| 16 | 3.9 | 2.8 | 82 | 28 | 144 | 128 | 129 | 80 | 21 | 16 | 3.5 | 6.4 |
| 17 | 4.3 | 2.7 | 73 | 28 | 121 | 440 | 115 | 72 | 18 | 11 | 3.3 | 6.0 |
| 18 | 6.9 | 2.6 | 67 | 28 | 106 | 130 | 104 | 66 | 16 | 12 | 3.2 | 5.6 |
| 19 | 5.8 | 5.2 | 61 | 23 | 95 | 105 | 95 | 60 | 16 | 7.4 | 3.1 | 5.2 |
| 20 | 6.7 | 16 | 59 | 24 | 81 | 100 | 108 | 61 | 17 | 6.3 | 3.1 | 4.7 |
| 21 | 6.3 | 8.2 | 55 | 28 | 74 | 95 | 148 | 60 | 19 | 5.4 | 3.0 | 4.4 |
| 22 | 9.7 | 4.3 | 54 | 24 | 69 | 90 | 116 | 57 | 17 | 5.0 | 2.8 | 7.3 |
| 23 | 7.5 | 137 | 48 | 31 | 64 | 85 | 98 | 52 | 16 | 5.2 | 5.1 | 13 |
| 24 | 6.7 | 81 | 51 | 39 | 60 | 170 | 88 | 46 | 14 | 4.5 | 3.8 | 8.0 |
| 25 | 5.3 | 41 | 42 | 39 | 55 | 95 | 80 | 42 | 13 | 3.8 | 5.6 | 5.9 |
| 26 | 3.5 | 32 | 37 | 38 | 54 | 85 | 74 | 40 | 12 | 3.5 | 3.3 | 5.2 |
| 27 | 3.1 | 54 | 37 | 36 | 130 | 140 | 70 | 45 | 12 | 3.6 | 3.1 | 4.6 |
| 28 | 3.2 | 77 | 37 | 36 | 139 | 530 | 65 | 43 | 12 | 3.6 | 2.9 | 4.4 |
| 29 | 5.3 | 51 | 33 | 34 | 114 | 215 | 61 | 37 | 11 | 3.5 | 2.7 | 4.2 |
| 30 | 3.5 | 41 | 40 | 32 | --- | 155 | 61 | 33 | 9.8 | 3.2 | 4.7 | 4.3 |
| 31 | 3.2 | --- | 35 | 30 | --- | 125 | --- | 32 | --- | 3.7 | 3.2 | --- |
| TOTAL | 136.1 | 597.5 | 3041 | 984 | 2962 | 4870 | 5797 | 5044 | 560.8 | 205.9 | 148.7 | 481.4 |
| MEAN | 4.39 | 19.9 | 98.1 | 31.7 | 102 | 157 | 193 | 163 | 18.7 | 6.64 | 4.80 | 16.0 |
| MAX | 9.7 | 137 | 461 | 40 | 598 | 530 | 930 | 1860 | 30 | 16 | 25 | 261 |
| MIN | 1.7 | 1.5 | 33 | 23 | 24 | 85 | 61 | 32 | 9.8 | 3.2 | 2.7 | 2.9 |
| CFSM | .04 | .20 | .99 | .32 | 1.03 | 1.58 | 1.95 | 1.64 | .19 | .07 | .05 | .16 |
| IN. | .05 | .22 | 1.14 | .37 | 1.11 | 1.83 | 2.17 | 1.89 | .21 | .08 | .06 | .18 |
| AC-FT | 270 | 1190 | 6030 | 1950 | 5880 | 9660 | 11500 | 10000 | 1110 | 408 | 295 | 955 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 22398.1 | MEAN | 61.4 | MAX | 2060 | MIN | 1.5 | CFSM | .62 | IN. | 8.40 | AC-FT | 44430 |
| WTR YR 1984 | TOTAL | 24828.4 | MEAN | 67.8 | MAX | 1860 | MIN | 1.5 | CFSM | .68 | IN. | 9.31 | AC-FT | 49250 |

## 07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, AR

LOCATION.--Lat 36°06'37", long 91°26'59", in SE 1/4 NW 1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on 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 September 1984.

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 National Geodetic Vertical Datum of 1929 (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.

AVERAGE DISCHARGE.--48 years, 499 $ft^3/s$, 14.33 in/yr, 361,500 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.--Maximum discharge, 9,660 $ft^3/s$ May 7, at 1515 hours, gage height, 15.69 ft, no other peak above base of 7,000 $ft^3/s$; minimum, 47 $ft^3/s$ Oct. 3, 4, gage height, 1.33 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52 | 59 | 520 | 160 | 178 | 560 | 1100 | 350 | 204 | 88 | 57 | 59 |
| 2 | 51 | 58 | 850 | 156 | 171 | 543 | 1300 | 335 | 193 | 86 | 58 | 58 |
| 3 | 49 | 61 | 1800 | 152 | 169 | 504 | 2600 | 352 | 187 | 86 | 63 | 62 |
| 4 | 48 | 86 | 2700 | 148 | 163 | 812 | 1700 | 339 | 180 | 86 | 107 | 67 |
| 5 | 61 | 87 | 1600 | 153 | 155 | 2090 | 1300 | 333 | 172 | 87 | 89 | 66 |
| 6 | 59 | 79 | 1200 | 161 | 146 | 1270 | 1200 | 709 | 168 | 83 | 69 | 62 |
| 7 | 58 | 74 | 910 | 164 | 141 | 937 | 1200 | 5170 | 165 | 80 | 67 | 62 |
| 8 | 56 | 73 | 630 | 162 | 137 | 782 | 2100 | 4910 | 161 | 79 | 75 | 65 |
| 9 | 55 | 71 | 459 | 158 | 133 | 664 | 2900 | 1610 | 154 | 77 | 72 | 634 |
| 10 | 55 | 73 | 402 | 183 | 132 | 570 | 2000 | 1140 | 147 | 75 | 75 | 508 |
| 11 | 54 | 72 | 651 | 189 | 129 | 523 | 1520 | 868 | 143 | 71 | 78 | 196 |
| 12 | 67 | 69 | 1010 | 188 | 1590 | 513 | 1310 | 706 | 138 | 68 | 70 | 133 |
| 13 | 66 | 69 | 655 | 179 | 1990 | 561 | 1200 | 587 | 134 | 68 | 68 | 108 |
| 14 | 61 | 68 | 579 | 170 | 1090 | 520 | 988 | 507 | 126 | 66 | 70 | 96 |
| 15 | 59 | 68 | 608 | 163 | 768 | 500 | 851 | 453 | 124 | 66 | 70 | 91 |
| 16 | 58 | 68 | 484 | 158 | 670 | 640 | 769 | 404 | 148 | 83 | 68 | 82 |
| 17 | 58 | 68 | 405 | 153 | 610 | 1800 | 694 | 368 | 159 | 87 | 66 | 76 |
| 18 | 62 | 67 | 380 | 151 | 529 | 1100 | 621 | 340 | 159 | 77 | 63 | 76 |
| 19 | 62 | 67 | 370 | 138 | 479 | 800 | 573 | 316 | 134 | 73 | 63 | 78 |
| 20 | 62 | 240 | 360 | 136 | 426 | 750 | 580 | 336 | 163 | 68 | 64 | 77 |
| 21 | 71 | 380 | 350 | 154 | 384 | 750 | 654 | 327 | 131 | 66 | 63 | 72 |
| 22 | 82 | 260 | 330 | 169 | 353 | 650 | 605 | 311 | 126 | 64 | 62 | 78 |
| 23 | 77 | 1100 | 320 | 179 | 327 | 600 | 535 | 290 | 120 | 63 | 64 | 106 |
| 24 | 70 | 1300 | 330 | 199 | 306 | 950 | 496 | 267 | 115 | 63 | 65 | 105 |
| 25 | 65 | 760 | 290 | 228 | 285 | 800 | 461 | 250 | 107 | 61 | 61 | 95 |
| 26 | 64 | 490 | 240 | 229 | 278 | 720 | 432 | 238 | 103 | 60 | 62 | 105 |
| 27 | 63 | 420 | 194 | 229 | 481 | 820 | 412 | 278 | 100 | 59 | 58 | 97 |
| 28 | 61 | 1500 | 187 | 221 | 705 | 2200 | 391 | 272 | 97 | 59 | 59 | 90 |
| 29 | 60 | 990 | 175 | 209 | 618 | 1600 | 373 | 241 | 94 | 59 | 61 | 82 |
| 30 | 60 | 650 | 170 | 195 | --- | 1200 | 362 | 228 | 91 | 58 | 64 | 81 |
| 31 | 59 | --- | 184 | 186 | --- | 1200 | --- | 215 | --- | 56 | 62 | --- |
| TOTAL | 1885 | 9427 | 19343 | 5420 | 13543 | 27929 | 31227 | 23050 | 4243 | 2222 | 2093 | 3567 |
| MEAN | 60.8 | 314 | 624 | 175 | 467 | 901 | 1041 | 744 | 141 | 71.7 | 67.5 | 119 |
| MAX | 82 | 1500 | 2700 | 229 | 1990 | 2200 | 2900 | 5170 | 204 | 88 | 107 | 634 |
| MIN | 48 | 58 | 170 | 136 | 129 | 500 | 362 | 215 | 91 | 56 | 57 | 58 |
| CFSM | .13 | .66 | 1.32 | .37 | .99 | 1.90 | 2.20 | 1.57 | .30 | .15 | .14 | .25 |
| IN. | .15 | .74 | 1.52 | .43 | 1.07 | 2.20 | 2.46 | 1.81 | .33 | .17 | .16 | .28 |
| AC-FT | 3740 | 18700 | 38370 | 10750 | 26860 | 55400 | 61940 | 45720 | 8420 | 4410 | 4150 | 7080 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 134535 | MEAN | 369 | MAX | 7560 | MIN | 48 | CFSM | .78 | IN. | 10.58 | AC-FT | 266900 |
| WTR YR 1984 | TOTAL | 143949 | MEAN | 393 | MAX | 5170 | MIN | 48 | CFSM | .83 | IN. | 11.32 | AC-FT | 285500 |

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR

LOCATION.--Lat 36°01'40", long 91°19'31", in NW 1/4 SE 1/4 sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi upstream from Reeds Creek, and Cooper Creek, and 3.9 mi southwest of Smithville.

DRAINAGE AREA.--539 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1330 | 9 | 9827 | 9827 | 71 | 8.1 | 17.0 | 18.0 | 4.6 | 9.4 |
| NOV | | | | | | | | | | |
| 29... | 0940 | 9 | 9827 | 9827 | 1130 | -- | 3.0 | 7.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1100 | 9 | 9827 | 9827 | 209 | -- | .0 | 5.0 | 7.0 | 12.0 |
| 24... | 1100 | 9 | 9827 | 9827 | 227 | 8.0 | 5.0 | 1.0 | 6.0 | 13.3 |
| FEB | | | | | | | | | | |
| 21... | 1100 | 9 | 9827 | 9827 | 438 | 8.0 | 10.0 | 10.0 | 7.2 | 11.1 |
| MAR | | | | | | | | | | |
| 20... | 1100 | 9 | 9827 | 9827 | 855 | 8.0 | -- | -- | 25 | -- |
| APR | | | | | | | | | | |
| 24... | 1130 | 9 | 9827 | 9827 | 565 | 8.2 | 25.0 | 15.0 | 4.2 | 10.4 |
| MAY | | | | | | | | | | |
| 22... | 1145 | 9 | 9827 | 9827 | 355 | 8.0 | 30.0 | 20.0 | 5.0 | 9.0 |
| JUN | | | | | | | | | | |
| 19... | 1050 | 9 | 9827 | 9827 | 153 | 8.0 | 32.0 | 25.0 | 6.4 | 7.5 |
| JUL | | | | | | | | | | |
| 31... | 1100 | 9 | 9827 | 9827 | 64 | 8.0 | 25.0 | 22.0 | 8.5 | 7.5 |
| AUG | | | | | | | | | | |
| 21... | 1115 | 9 | 9827 | 9827 | 72 | 8.0 | 32.0 | 26.0 | 6.0 | 8.3 |
| SEP | | | | | | | | | | |
| 25... | 1145 | 9 | 9827 | 9827 | 108 | 8.1 | 28.0 | 21.0 | 6.0 | 7.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1330 | 1.9 | 12 | 4.0 | 4.5 | 211 | .29 | 12 | .07 |
| NOV | | | | | | | | | |
| 29... | 0940 | -- | 530 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1100 | .6 | 80 | 4.0 | 5.5 | 218 | .30 | 14 | .51 |
| 24... | 1100 | 1.3 | 68 | 5.0 | 4.5 | 213 | .29 | 12 | .48 |
| FEB | | | | | | | | | |
| 21... | 1100 | .9 | 72 | -- | 4.5 | 201 | .27 | 16 | .54 |
| MAR | | | | | | | | | |
| 20... | 1100 | 1.3 | 590 | 7.0 | 2.5 | 168 | .23 | 32 | .42 |
| APR | | | | | | | | | |
| 24... | 1130 | .7 | 40 | 9.0 | 3.0 | 208 | .28 | 8 | .29 |
| MAY | | | | | | | | | |
| 22... | 1145 | 1.2 | 230 | 10 | 2.5 | 134 | .18 | 28 | -- |
| JUN | | | | | | | | | |
| 19... | 1050 | 1.5 | 80 | 3.0 | 5.0 | 228 | .31 | 12 | .26 |
| JUL | | | | | | | | | |
| 31... | 1100 | 1.0 | 12 | 9.0 | 2.5 | 204 | .28 | 22 | .12 |
| AUG | | | | | | | | | |
| 21... | 1115 | 2.2 | 40 | -- | 3.0 | 210 | .29 | 17 | .18 |
| SEP | | | | | | | | | |
| 25... | 1145 | .7 | 330 | <1.0 | 2.0 | 194 | .26 | 27 | .16 |

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1330 | .010 | .030 | <.010 | 0 | <1 | 27 | 13 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1100 | .010 | .010 | <.010 | 0 | <1 | 16 | 7 | 20 |
| 24... | 1100 | .010 | .030 | .010 | 0 | -- | 12 | 5 | 0 |
| FEB | | | | | | | | | |
| 21... | 1100 | .010 | .020 | .010 | 0 | <1 | 14 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1100 | .040 | .070 | .010 | 0 | <1 | <10 | 3 | 20 |
| APR | | | | | | | | | |
| 24... | 1130 | .020 | .050 | <.010 | 0 | <1 | 22 | 8 | 30 |
| MAY | | | | | | | | | |
| 22... | 1145 | -- | .030 | -- | 0 | 1 | <10 | 7 | 20 |
| JUN | | | | | | | | | |
| 19... | 1050 | -- | -- | <.010 | -- | <1 | <10 | 9 | 10 |
| JUL | | | | | | | | | |
| 31... | 1100 | .010 | .050 | .040 | 0 | <1 | 16 | 10 | 20 |
| AUG | | | | | | | | | |
| 21... | 1115 | <.010 | .030 | <.010 | 0 | <1 | <10 | 5 | 20 |
| SEP | | | | | | | | | |
| 25... | 1145 | .020 | .050 | <.010 | 0 | 1 | 14 | 10 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1100 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07074491 WHITE RIVER AT JACKSONPORT, AR

LOCATION.--Lat 35°38'22" long 91°18'55", in SW 1/4 SE 1/4 sec.28, T.12 N., R.3 W., Jackson County, Hydrologic Unit 1101000 at right bank, 0.4 mi downstream from confluence of Black River and 0.2 mi from city limits of Jacksonport, Ark.

DRAINAGE AREA.--19,842 $m^2$

PERIOD OF RECORD.--November 1983 to September 1984

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 29... | 1510 | 9 | 9827 | 9827 | 22500 | -- | 8.0 | 10.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1515 | 9 | 9827 | 9827 | 14200 | -- | 6.0 | 4.0 | 20 | 11.2 |
| 24... | 1440 | 9 | 9827 | 9827 | 12200 | 7.8 | 1.0 | 2.0 | 7.6 | 13.1 |
| FEB | | | | | | | | | | |
| 21... | 1445 | 9 | 9827 | 9827 | 18800 | 7.7 | 18.0 | 11.0 | 35 | 10.2 |
| MAR | | | | | | | | | | |
| 20... | 1430 | 9 | 9827 | 9827 | 29200 | 7.9 | -- | -- | 40 | -- |
| APR | | | | | | | | | | |
| 24... | 1500 | 9 | 9827 | 9827 | 45300 | 7.9 | 30.0 | 14.0 | 20 | 9.4 |
| MAY | | | | | | | | | | |
| 22... | 1500 | 9 | 9827 | 9827 | 35700 | 7.8 | 28.0 | 18.0 | 20 | 9.0 |
| JUN | | | | | | | | | | |
| 19... | 1500 | 9 | 9827 | 9827 | 11600 | 8.0 | 37.0 | 24.0 | 25 | 9.8 |
| JUL | | | | | | | | | | |
| 31... | 1545 | 9 | 9827 | 9827 | 6610 | 8.0 | 30.0 | 24.0 | 20 | 9.0 |
| AUG | | | | | | | | | | |
| 21... | 1500 | 9 | 9827 | 9827 | 8340 | 8.1 | 39.0 | 25.0 | 7.0 | 10.0 |
| SEP | | | | | | | | | | |
| 25... | 1530 | 9 | 9827 | 9827 | 7350 | 8.2 | 35.0 | 25.0 | 25 | 8.4 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 1510 | -- | 130 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1515 | 1.0 | 12 | 6.0 | 5.5 | 155 | .21 | 30 | .45 |
| 24... | 1440 | 1.0 | 4 | 4.0 | 5.5 | 171 | .23 | 14 | .41 |
| FEB | | | | | | | | | |
| 21... | 1445 | 1.2 | 8 | -- | 5.5 | 154 | .21 | 44 | .34 |
| MAR | | | | | | | | | |
| 20... | 1430 | 1.6 | 240 | 6.0 | 2.5 | 152 | .21 | 48 | .36 |
| APR | | | | | | | | | |
| 24... | 1500 | 2.0 | 20 | 8.0 | 4.0 | 141 | .19 | 30 | .24 |
| MAY | | | | | | | | | |
| 22... | 1500 | 1.1 | 56 | 4.0 | 4.0 | 142 | .19 | 28 | .26 |
| JUN | | | | | | | | | |
| 19... | 1500 | 2.7 | 20 | 6.0 | 7.0 | 180 | .24 | 59 | .31 |
| JUL | | | | | | | | | |
| 31... | 1545 | 1.6 | 12 | 11 | 5.5 | 179 | .24 | 40 | .34 |
| AUG | | | | | | | | | |
| 21... | 1500 | 2.8 | 16 | -- | 5.5 | 178 | .24 | 18 | .28 |
| SEP | | | | | | | | | |
| 25... | 1530 | 1.0 | 190 | 1.0 | 5.0 | 177 | .24 | 47 | .26 |

07074491 WHITE RIVER AT JACKSONPORT, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | |
| 10... | 1515 | .010 | .050 | .010 | 0 | 2 | <10 | 3 | 10 |
| 24... | 1440 | .010 | .030 | <.010 | 0 | -- | 10 | 4 | 0 |
| FEB | | | | | | | | | |
| 21... | 1445 | .020 | .090 | .040 | 0 | 2 | <10 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1430 | .040 | .060 | .030 | 0 | <1 | <10 | 6 | 20 |
| APR | | | | | | | | | |
| 24... | 1500 | .010 | .080 | .020 | 0 | <1 | 17 | 7 | 30 |
| MAY | | | | | | | | | |
| 22... | 1500 | .070 | .060 | <.010 | 0 | 2 | <10 | <1 | 0 |
| JUN | | | | | | | | | |
| 19... | 1500 | <.010 | -- | .010 | -- | 1 | <10 | 6 | 10 |
| JUL | | | | | | | | | |
| 31... | 1545 | .050 | .080 | .010 | 1 | <1 | <10 | 14 | 40 |
| AUG | | | | | | | | | |
| 21... | 1500 | <.010 | .040 | .010 | 0 | <1 | 10 | 6 | 20 |
| SEP | | | | | | | | | |
| 25... | 1530 | <.010 | .080 | .050 | 0 | 1 | 17 | 6 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 21... | 1500 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07074500 WHITE RIVER AT NEWPORT, AR

LOCATION.--Lat 35°36'18", long 91°17'19", in NE 1/4 NE 1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft 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 $mi^2$.

### WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft 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.--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.

AVERAGE DISCHARGE.--51 years, 22,430 $ft^3/s$, 16,250,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 $ft^3/s$ Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 $ft^3/s$ Sept. 27-30, 1954.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69,100 $ft^3/s$ May 10, gage height, 24.69 ft; minimum, 4,420 $ft^3/s$ Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9270 | 4660 | 29500 | 26900 | 14700 | 30100 | 51300 | 43300 | 21400 | 10100 | 7600 | 13100 |
| 2 | 6620 | 4460 | 31400 | 21500 | 14000 | 31900 | 50600 | 41700 | 22700 | 8230 | 8600 | 10800 |
| 3 | 6740 | 4630 | 35200 | 18100 | 12700 | 30700 | 52500 | 42300 | 23100 | 7380 | 11200 | 9320 |
| 4 | 6740 | 5020 | 38900 | 16000 | 11800 | 28300 | 52700 | 43500 | 20700 | 8430 | 13200 | 8380 |
| 5 | 6710 | 5190 | 39700 | 15100 | 11400 | 29000 | 51000 | 38700 | 18600 | 9030 | 11300 | 6230 |
| 6 | 6720 | 6150 | 37800 | 15600 | 10800 | 33500 | 50300 | 35500 | 17300 | 7680 | 9230 | 6490 |
| 7 | 6520 | 7210 | 38600 | 14500 | 10400 | 38400 | 49200 | 40200 | 18200 | 7970 | 7550 | 8000 |
| 8 | 6010 | 7580 | 40600 | 15400 | 12200 | 38600 | 48000 | 53500 | 17100 | 8980 | 11300 | 7890 |
| 9 | 5340 | 8140 | 41800 | 15400 | 12900 | 36300 | 50400 | 65100 | 17300 | 10100 | 13500 | 9150 |
| 10 | 4910 | 7950 | 43400 | 14300 | 12200 | 35300 | 50500 | 67700 | 19800 | 9190 | 13100 | 11100 |
| 11 | 4810 | 7480 | 43200 | 14100 | 11600 | 33600 | 49300 | 62400 | 19600 | 13600 | 11700 | 9450 |
| 12 | 5020 | 8050 | 41500 | 14800 | 11200 | 33200 | 47900 | 58900 | 15400 | 14300 | 10200 | 13100 |
| 13 | 5550 | 8120 | 39300 | 17700 | 16200 | 32200 | 46700 | 55900 | 16000 | 11300 | 8150 | 14400 |
| 14 | 5170 | 6890 | 42800 | 18500 | 20700 | 31300 | 46700 | 52600 | 19100 | 9220 | 7210 | 14600 |
| 15 | 5500 | 6080 | 42700 | 16900 | 23900 | 27400 | 47700 | 49100 | 19300 | 10200 | 9350 | 14000 |
| 16 | 5170 | 5900 | 43200 | 15500 | 23900 | 28200 | 48800 | 45500 | 16700 | 13400 | 10200 | 11500 |
| 17 | 4770 | 6600 | 42900 | 14100 | 22700 | 27000 | 49000 | 41800 | 14600 | 12000 | 11700 | 8850 |
| 18 | 4730 | 6740 | 40300 | 14300 | 21600 | 28200 | 49400 | 39100 | 13000 | 9870 | 11900 | 6910 |
| 19 | 5110 | 7330 | 36800 | 14700 | 21100 | 28300 | 49800 | 38000 | 12000 | 8400 | 11900 | 6540 |
| 20 | 6360 | 10300 | 38400 | 13700 | 21300 | 29200 | 50400 | 37100 | 13200 | 8400 | 10600 | 6970 |
| 21 | 6440 | 12400 | 42400 | 14000 | 19100 | 33500 | 50700 | 36400 | 12600 | 11200 | 8820 | 7270 |
| 22 | 6890 | 13700 | 42300 | 14300 | 18400 | 37700 | 49200 | 35800 | 12500 | 12800 | 8910 | 8090 |
| 23 | 7570 | 18000 | 41500 | 13900 | 17300 | 39700 | 46500 | 33900 | 12700 | 12600 | 10900 | 8030 |
| 24 | 6650 | 22600 | 41700 | 12400 | 16100 | 40700 | 45400 | 29900 | 15100 | 11700 | 11700 | 8290 |
| 25 | 5570 | 23800 | 41900 | 12300 | 15400 | 41800 | 45800 | 26900 | 12900 | 12100 | 10200 | 7300 |
| 26 | 5220 | 23000 | 41700 | 12600 | 15500 | 41700 | 46400 | 23700 | 10200 | 12000 | 7360 | 11000 |
| 27 | 5180 | 21500 | 40900 | 12700 | 17400 | 42000 | 47300 | 23600 | 10700 | 12600 | 7140 | 12700 |
| 28 | 5370 | 21400 | 37600 | 12800 | 18900 | 43500 | 47900 | 20900 | 11400 | 12700 | 7780 | 10900 |
| 29 | 5290 | 22500 | 33100 | 13600 | 25500 | 46900 | 47400 | 20000 | 10600 | 11000 | 9410 | 9710 |
| 30 | 5070 | 27300 | 31500 | 13500 | --- | 49800 | 44900 | 19700 | 10600 | 9340 | 14100 | 8730 |
| 31 | 4870 | --- | 30600 | 13000 | --- | 51300 | --- | 20100 | --- | 6920 | 15000 | --- |
| TOTAL | 181890 | 340680 | 1213200 | 472200 | 480900 | 1099300 | 1463700 | 1242800 | 474400 | 322740 | 320810 | 288800 |
| MEAN | 5867 | 11360 | 39140 | 15230 | 16580 | 35460 | 48790 | 40090 | 15810 | 10410 | 10350 | 9627 |
| MAX | 9270 | 27300 | 43400 | 26900 | 25500 | 51300 | 52700 | 67700 | 23100 | 14300 | 15000 | 14600 |
| MIN | 4730 | 4460 | 29500 | 12300 | 10400 | 27000 | 44900 | 19700 | 10200 | 6920 | 7140 | 6230 |
| AC-FT | 360800 | 675700 | 2406000 | 936600 | 953900 | 2180000 | 2903000 | 2465000 | 941000 | 640200 | 636300 | 572800 |

CAL YR 1983 TOTAL 10008660 MEAN 27420 MAX 83700 MIN 4460 AC-FT 19852000
WTR YR 1984 TOTAL 7901420 MEAN 21590 MAX 67700 MIN 4460 AC-FT 15672000

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 04... | 1000 | 9 | 80513 | 80010 | 6840 | 327 | 8.3 | 21.0 | 7.0 | 7.0 | 79 |
| DEC 01... | 1015 | 9 | 80513 | 80010 | 29700 | 259 | 8.0 | 9.0 | 32 | 10.4 | 89 |
| FEB 22... | 1130 | 9 | 80513 | 80010 | 18300 | 259 | 8.2 | 12.0 | 33 | 8.8 | 82 |
| APR 10... | 0930 | 9 | 80513 | 80010 | 50500 | 224 | 8.4 | 12.0 | 18 | 10.0 | 93 |
| JUN 27... | 1300 | 9 | 80513 | 80010 | 10700 | 314 | 8.3 | 25.0 | 17 | 7.9 | 96 |
| AUG 09... | 1030 | 9 | 80513 | 80010 | 14600 | 304 | 8.4 | 28.5 | 10 | 8.5 | 110 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 04... | 1000 | 755 | 6 | 8 | 150 | 0 | 0 | 37 | 14 | 2.9 | 4 |
| DEC 01... | 1015 | 770 | 220 | 60 | 130 | 14 | 14 | 33 | 12 | 2.3 | 4 |
| FEB 22... | 1130 | 758 | K40 | K24 | 130 | 3 | 3 | 29 | 14 | 2.5 | 4 |
| APR 10... | 0930 | 757 | K450 | K800 | 110 | 4 | 4 | 27 | 10 | 4.4 | 8 |
| JUN 27... | 1300 | 763 | K12 | 90 | 160 | 5 | 5 | 38 | 15 | 3.3 | 4 |
| AUG 09... | 1030 | 760 | 180 | 110 | 150 | 0 | 0 | 35 | 15 | 2.5 | 3 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 04... | 1000 | .1 | 1.4 | 161 | 7.8 | 5.1 | <.10 | 5.5 | 169 | 170 | .23 |
| DEC 01... | 1015 | .0 | 1.7 | 118 | 8.8 | 3.5 | <.10 | 7.1 | 136 | 140 | .19 |
| FEB 22... | 1130 | .0 | 1.3 | 127 | 7.0 | 3.8 | <.10 | 5.1 | 157 | 140 | .21 |
| APR 10... | 0930 | .2 | 1.3 | 105 | 8.3 | 6.5 | <.10 | 4.8 | 136 | 130 | .19 |
| JUN 27... | 1300 | .1 | 1.5 | 152 | 7.0 | 5.1 | .10 | 6.5 | 214 | 170 | .29 |
| AUG 09... | 1030 | .0 | 1.3 | 149 | 9.3 | 4.4 | <.10 | 4.9 | 171 | 160 | .23 |

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 04... | 1000 | .200 | .040 | .30 | .010 | .010 | <.010 | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 01... | 1015 | .440 | .020 | .70 | .080 | .030 | .020 | 250 | 1 | 51 | <.5 |
| FEB | | | | | | | | | | | |
| 22... | 1130 | .290 | <.010 | .50 | .020 | <.010 | .020 | 20 | 1 | 48 | <.5 |
| APR | | | | | | | | | | | |
| 10... | 0930 | .240 | <.010 | .50 | .030 | .020 | .020 | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 27... | 1300 | .230 | .120 | -- | -- | <.010 | .010 | 10 | 1 | 53 | <.0 |
| AUG | | | | | | | | | | | |
| 09... | 1030 | .260 | .050 | .50 | .050 | .020 | .010 | <10 | 1 | 42 | <.0 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 01... | 1015 | <1 | 2 | <3 | 3 | 63 | 4 | <4 | 5 | <.1 |
| FEB | | | | | | | | | | |
| 22... | 1130 | <1 | <1 | <3 | 1 | 53 | 4 | <4 | 7 | <.1 |
| JUN | | | | | | | | | | |
| 27... | 1300 | <1 | <1 | <3 | 3 | 22 | 1 | <4 | 8 | <.1 |
| AUG | | | | | | | | | | |
| 09... | 1030 | <1 | <1 | <3 | 1 | 8 | 3 | <4 | 2 | .1 |

| 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) | 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 | | | | | | | | | | |
| 04... | 1000 | -- | -- | -- | -- | -- | -- | 39 | 720 | 80 |
| DEC | | | | | | | | | | |
| 01... | 1015 | <10 | 1 | <1 | <1 | 35 | 7 | 116 | 9300 | 70 |
| FEB | | | | | | | | | | |
| 22... | 1130 | <10 | <1 | <1 | <1 | 34 | 25 | 39 | 1930 | 99 |
| APR | | | | | | | | | | |
| 10... | 0930 | -- | -- | -- | -- | -- | -- | 40 | 5450 | 66 |
| JUN | | | | | | | | | | |
| 27... | 1300 | <10 | 5 | <1 | 2 | 44 | 10 | 66 | 1910 | 71 |
| AUG | | | | | | | | | | |
| 09... | 1030 | <10 | <1 | <1 | <1 | 39 | 5 | 56 | 2210 | 61 |

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR

LOCATION.--Lat 35°39'06", long 92°19'20", in NE 1/4 sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0850 | 9 | 9827 | 9827 | -- | .40 | 7.3 | 22.0 | 22.0 | 4.5 |
| NOV | | | | | | | | | | |
| 08... | 1500 | 9 | 9827 | 9827 | -- | 60 | 7.1 | 15.0 | 14.0 | 6.0 |
| DEC | | | | | | | | | | |
| 13... | 1545 | 9 | 9827 | 9827 | -- | 1070 | 7.1 | 5.0 | 8.0 | 15 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1445 | 9 | 9827 | 9827 | 195 | -- | 7.2 | -3.0 | 1.0 | 5.0 |
| FEB | | | | | | | | | | |
| 14... | 1530 | 9 | 9827 | 9827 | 1300 | -- | 7.4 | 21.0 | 10.0 | 20 |
| MAR | | | | | | | | | | |
| 13... | 1430 | 9 | 9827 | 9827 | -- | 895 | 7.3 | 16.0 | 10.0 | 6.8 |
| APR | | | | | | | | | | |
| 10... | 1500 | 9 | 9827 | 9827 | -- | 1630 | 7.2 | 20.0 | 13.0 | 20 |
| MAY | | | | | | | | | | |
| 08... | 1530 | 9 | 9827 | 9827 | -- | 3730 | 7.0 | 21.0 | 16.0 | 50 |
| JUN | | | | | | | | | | |
| 05... | 1700 | 9 | 9827 | 9827 | -- | 32 | 7.7 | 30.0 | 23.0 | 4.0 |
| JUL | | | | | | | | | | |
| 17... | 1730 | 9 | 9827 | 9827 | -- | 37 | 7.2 | 43.0 | 28.0 | 20 |
| AUG | | | | | | | | | | |
| 14... | 1130 | 9 | 9827 | 9827 | -- | 15 | 7.3 | 29.0 | 16.0 | 4.4 |
| SEP | | | | | | | | | | |
| 11... | 1500 | 9 | 9827 | 9827 | -- | 41 | 7.1 | 29.0 | 26.0 | -- |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0850 | 7.9 | 2.3 | 36 | -- | 3.0 | 63 | .09 | 7 | .01 |
| NOV | | | | | | | | | | |
| 08... | 1500 | 7.8 | 1.5 | <4 | 1.0 | 4.0 | 73 | .10 | 7 | -- |
| DEC | | | | | | | | | | |
| 13... | 1545 | 11.2 | 1.0 | 140 | 4.0 | 3.5 | 45 | .06 | 7 | .21 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1445 | -- | .8 | 4 | 7.0 | 5.0 | 49 | .07 | 4 | .06 |
| FEB | | | | | | | | | | |
| 14... | 1530 | 11.6 | .5 | 96 | 8.0 | 5.5 | 55 | .07 | 16 | .22 |
| MAR | | | | | | | | | | |
| 13... | 1430 | 12.3 | .2 | 16 | 5.0 | 2.5 | 46 | .06 | 8 | -- |
| APR | | | | | | | | | | |
| 10... | 1500 | 10.8 | .1 | 150 | 3.0 | 1.5 | 45 | .06 | 10 | .14 |
| MAY | | | | | | | | | | |
| 08... | 1530 | 9.6 | 1.5 | 1200 | -- | 1.5 | 69 | .09 | 58 | .15 |
| JUN | | | | | | | | | | |
| 05... | 1700 | 9.0 | 1.9 | 16 | 7.0 | 4.0 | 60 | .08 | 6 | .02 |
| JUL | | | | | | | | | | |
| 17... | 1730 | 8.8 | 2.2 | 96 | 6.0 | 2.0 | 47 | .06 | 6 | .10 |
| AUG | | | | | | | | | | |
| 14... | 1130 | 7.9 | 2.6 | 110 | 3.0 | 3.5 | 52 | .07 | 6 | .05 |
| SEP | | | | | | | | | | |
| 11... | 1500 | 8.5 | 2.3 | 48 | 4.0 | 5.0 | 55 | .07 | 7 | .03 |

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0850 | .050 | .030 | <.010 | -- | 2 | <1 | 29 | 19 | -- |
| NOV | | | | | | | | | | |
| 08... | 1500 | .030 | .070 | .010 | <5 | 4 | <1 | 30 | 6 | <5 |
| DEC | | | | | | | | | | |
| 13... | 1545 | .040 | .030 | <.010 | -- | 2 | <1 | 25 | 14 | -- |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1445 | <.010 | .020 | <.010 | -- | 1 | 18 | 10 | 23 | -- |
| FEB | | | | | | | | | | |
| 14... | 1530 | .020 | .050 | .020 | <5 | 3 | <1 | 94 | 23 | <5 |
| MAR | | | | | | | | | | |
| 13... | 1430 | <.010 | .080 | -- | -- | 4 | <1 | 23 | 20 | -- |
| APR | | | | | | | | | | |
| 10... | 1500 | .030 | .080 | .020 | <5 | 2 | 1 | 17 | 17 | <5 |
| MAY | | | | | | | | | | |
| 08... | 1530 | .040 | .110 | .020 | -- | 2 | 2 | -- | 20 | -- |
| JUN | | | | | | | | | | |
| 05... | 1700 | <.010 | .030 | <.010 | -- | -- | <1 | <10 | 2 | -- |
| JUL | | | | | | | | | | |
| 17... | 1730 | <.010 | .050 | .030 | -- | 0 | <1 | 17 | 3 | -- |
| AUG | | | | | | | | | | |
| 14... | 1130 | <.010 | .060 | .010 | <5 | 0 | 2 | 17 | 13 | <5 |
| SEP | | | | | | | | | | |
| 11... | 1500 | .350 | .040 | .010 | -- | 3 | 1 | 40 | 16 | -- |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0850 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 08... | 1500 | 0 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 13... | 1545 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1445 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 1530 | 80 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 13... | 1430 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 05... | 1700 | 140 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 17... | 1730 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1130 | 30 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | 1 |
| SEP | | | | | | | | | | |
| 11... | 1500 | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | 1 |

## 07075000 MIDDLE FORK LITTLE RED RIVER AT SHIRLEY, AR

LOCATION.--Lat 35°39'10", long 92°19'10", in SW 1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi downstream from Sugar Camp (or Weavers) Creek, 1.0 mi east of Shirley, and at mile 122.0.

DRAINAGE AREA.--302 $mi^2$.

PERIOD OF RECORD.--February 1939 to September 1984. (Discontinued as a continuous-record station, converted to a crest-stage partial-record station.)

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

GAGE.--Water-stage recorder. Datum of gage is 483.12 ft National Geodetic Vertical Datum of 1929. Prior to June 6, 1939, nonrecording gage at site 70 ft upstream at same datum.

REMARKS.--Records good except those for period of no gage-height record, Jan. 11 to Feb. 16, which are fair.

AVERAGE DISCHARGE.--45 years, 465 $ft^3/s$, 20.91 in/yr, 336,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 241,000 $ft^3/s$ Dec. 3, 1982, gage height, 37.53 ft, from flood-marks, from rating curve extended above 60,000 $ft^3/s$ on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.
NOTE.--Maximum gage heights published prior to 1949 water year were referred to nonrecording gage.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base 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) |
|---|---|---|---|---|---|---|---|
| Nov. 23 | 1315 | 7,660 | 14.42 | May 6 | 2330 | 8,090 | 14.66 |
| Nov. 27 | 1930 | 7,930 | 14.57 | May 7 | 2015 | *15,000 | 17.99 |
| Mar. 5 | 0245 | 6,520 | 13.76 | | | | |

No flow Oct. 5-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.6 | 40 | 432 | 77 | 220 | 735 | 606 | 195 | 57 | 15 | 7.8 | 15 |
| 2 | 1.9 | 41 | 372 | 73 | 210 | 838 | 567 | 198 | 49 | 13 | 10 | 15 |
| 3 | 1.1 | 42 | 2300 | 73 | 190 | 882 | 1060 | 968 | 43 | 14 | 17 | 18 |
| 4 | .37 | 47 | 2630 | 77 | 170 | 1850 | 1100 | 1230 | 37 | 17 | 18 | 20 |
| 5 | .00 | 52 | 1240 | 92 | 150 | 4440 | 877 | 844 | 33 | 19 | 19 | 19 |
| 6 | .00 | 56 | 914 | 133 | 140 | 1770 | 701 | 2720 | 31 | 19 | 28 | 18 |
| 7 | .00 | 59 | 717 | 148 | 150 | 1150 | 591 | 8580 | 29 | 18 | 26 | 17 |
| 8 | .00 | 60 | 525 | 140 | 140 | 854 | 1860 | 4710 | 28 | 16 | 23 | 16 |
| 9 | .00 | 61 | 412 | 128 | 130 | 661 | 3460 | 1860 | 27 | 16 | 25 | 49 |
| 10 | .00 | 64 | 367 | 140 | 120 | 554 | 1720 | 1190 | 26 | 15 | 27 | 47 |
| 11 | .00 | 72 | 1370 | 135 | 110 | 473 | 1180 | 853 | 24 | 14 | 23 | 41 |
| 12 | .00 | 74 | 1280 | 130 | 2300 | 542 | 949 | 638 | 22 | 13 | 20 | 35 |
| 13 | .00 | 75 | 1080 | 145 | 1800 | 863 | 783 | 507 | 21 | 27 | 17 | 30 |
| 14 | .00 | 73 | 779 | 155 | 1300 | 696 | 633 | 408 | 19 | 44 | 15 | 27 |
| 15 | .00 | 70 | 705 | 165 | 925 | 688 | 545 | 303 | 18 | 26 | 14 | 215 |
| 16 | .00 | 67 | 557 | 180 | 640 | 1160 | 480 | 243 | 18 | 166 | 13 | 126 |
| 17 | .04 | 68 | 374 | 195 | 508 | 1830 | 411 | 201 | 16 | 43 | 13 | 62 |
| 18 | 1.4 | 70 | 312 | 200 | 492 | 1650 | 344 | 166 | 17 | 29 | 12 | 43 |
| 19 | 2.6 | 94 | 271 | 185 | 464 | 1150 | 298 | 140 | 22 | 22 | 13 | 36 |
| 20 | 3.6 | 387 | 234 | 175 | 396 | 893 | 269 | 130 | 28 | 19 | 12 | 32 |
| 21 | 12 | 240 | 231 | 165 | 334 | 706 | 617 | 122 | 28 | 16 | 15 | 28 |
| 22 | 18 | 122 | 208 | 150 | 298 | 583 | 937 | 121 | 41 | 16 | 18 | 33 |
| 23 | 18 | 3550 | 180 | 170 | 269 | 493 | 617 | 112 | 38 | 15 | 19 | 125 |
| 24 | 20 | 1670 | 163 | 260 | 242 | 720 | 498 | 95 | 41 | 14 | 17 | 115 |
| 25 | 21 | 584 | 145 | 340 | 216 | 928 | 414 | 80 | 35 | 16 | 16 | 78 |
| 26 | 23 | 357 | 126 | 290 | 207 | 715 | 343 | 70 | 30 | 14 | 15 | 55 |
| 27 | 24 | 2940 | 117 | 240 | 1170 | 633 | 304 | 66 | 27 | 12 | 15 | 44 |
| 28 | 27 | 3140 | 103 | 215 | 1120 | 790 | 276 | 74 | 25 | 11 | 16 | 38 |
| 29 | 36 | 1590 | 101 | 195 | 824 | 1130 | 240 | 85 | 21 | 9.8 | 16 | 33 |
| 30 | 40 | 595 | 94 | 200 | --- | 860 | 216 | 92 | 17 | 8.6 | 16 | 31 |
| 31 | 40 | --- | 83 | 230 | --- | 681 | --- | 69 | --- | 7.9 | 16 | --- |
| TOTAL | 292.61 | 16360 | 18422 | 5201 | 15235 | 31918 | 22896 | 27070 | 868 | 705.3 | 531.8 | 1461 |
| MEAN | 9.44 | 545 | 594 | 168 | 525 | 1030 | 763 | 873 | 28.9 | 22.8 | 17.2 | 48.7 |
| MAX | 40 | 3550 | 2630 | 340 | 2300 | 4440 | 3460 | 8580 | 57 | 166 | 28 | 215 |
| MIN | .00 | 40 | 83 | 73 | 110 | 473 | 216 | 66 | 16 | 7.9 | 7.8 | 15 |
| CFSM | .03 | 1.80 | 1.97 | .56 | 1.74 | 3.41 | 2.53 | 2.89 | .10 | .08 | .06 | .16 |
| IN. | .04 | 2.02 | 2.27 | .64 | 1.88 | 3.93 | 2.82 | 3.33 | .11 | .09 | .07 | .18 |
| AC-FT | 580 | 32450 | 36540 | 10320 | 30220 | 63310 | 45410 | 53690 | 1720 | 1400 | 1050 | 2900 |

CAL YR 1983 TOTAL 166750.53 MEAN 457 MAX 9550 MIN .00 CFSM 1.51 IN. 20.54 AC-FT 330700
WTR YR 1984 TOTAL 140960.71 MEAN 385 MAX 8580 MIN .00 CFSM 1.27 IN. 17.36 AC-FT 279600

## 07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW 1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi 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 National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 239 $ft^3/s$, 21.38 in/yr, 173,200 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 discharge above base of 5,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage Height (ft) |
|---|---|---|---|
| May 3 | 0515 | *6,590 | 15.59 |
| May 7 | 1815 | 6,190 | 15.30 |

no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.5 | 2.0 | 300 | 60 | 150 | 460 | 253 | 164 | 76 | 4.6 | .04 | .00 |
| 2 | .50 | 2.0 | 280 | 55 | 145 | 500 | 265 | 456 | 67 | 4.1 | .87 | .00 |
| 3 | .40 | 2.0 | 700 | 55 | 135 | 450 | 594 | 4240 | 60 | 4.1 | 3.6 | .08 |
| 4 | .27 | 2.7 | 1100 | 60 | 120 | 1000 | 511 | 1740 | 52 | 6.2 | 4.7 | .07 |
| 5 | .20 | 3.0 | 700 | 65 | 110 | 2500 | 427 | 998 | 46 | 3.8 | 2.7 | .00 |
| 6 | .20 | 1.6 | 451 | 70 | 115 | 1300 | 362 | 1550 | 42 | 3.9 | 2.6 | .00 |
| 7 | .20 | 2.6 | 400 | 75 | 124 | 650 | 319 | 3460 | 40 | 3.8 | 2.5 | .00 |
| 8 | .20 | 2.7 | 320 | 70 | 115 | 460 | 1500 | 2030 | 37 | 3.6 | 2.7 | .00 |
| 9 | .20 | 2.8 | 250 | 64 | 105 | 400 | 2040 | 1040 | 32 | 3.3 | 3.3 | 4.0 |
| 10 | .12 | 2.4 | 200 | 74 | 95 | 350 | 1060 | 727 | 29 | 3.0 | 1.9 | 1.5 |
| 11 | .11 | 2.5 | 700 | 70 | 85 | 340 | 754 | 538 | 25 | 3.0 | 2.8 | 1.5 |
| 12 | .58 | 2.5 | 580 | 70 | 1100 | 640 | 646 | 425 | 22 | 2.5 | 2.8 | 2.7 |
| 13 | .60 | 3.0 | 450 | 75 | 800 | 540 | 540 | 350 | 20 | 15 | 1.9 | 3.2 |
| 14 | .60 | 2.8 | 380 | 80 | 680 | 480 | 447 | 298 | 17 | 30 | 1.3 | 4.4 |
| 15 | .60 | 3.0 | 320 | 85 | 560 | 750 | 390 | 255 | 16 | 10 | .90 | 6.4 |
| 16 | .60 | 3.0 | 270 | 90 | 451 | 1000 | 348 | 224 | 14 | 3.6 | .67 | 8.2 |
| 17 | .64 | 2.6 | 230 | 93 | 370 | 1600 | 313 | 201 | 13 | 1.5 | .49 | 8.0 |
| 18 | .70 | 2.6 | 200 | 95 | 338 | 1100 | 281 | 178 | 12 | 1.5 | .30 | 7.5 |
| 19 | .70 | 7.6 | 170 | 90 | 305 | 835 | 256 | 160 | 12 | .70 | .30 | 7.1 |
| 20 | .70 | 119 | 150 | 90 | 280 | 650 | 237 | 156 | 11 | .70 | .22 | 7.4 |
| 21 | 3.1 | 102 | 140 | 85 | 250 | 510 | 287 | 181 | 12 | .50 | .05 | 8.0 |
| 22 | 3.6 | 90 | 130 | 80 | 230 | 430 | 335 | 168 | 18 | .40 | .00 | 20 |
| 23 | 3.6 | 2000 | 120 | 80 | 220 | 360 | 293 | 146 | 17 | .40 | .00 | 19 |
| 24 | 3.2 | 1200 | 110 | 120 | 212 | 450 | 267 | 128 | 14 | .34 | .00 | 16 |
| 25 | 2.8 | 350 | 100 | 200 | 186 | 350 | 245 | 114 | 12 | .30 | .00 | 15 |
| 26 | 2.5 | 210 | 90 | 168 | 386 | 330 | 225 | 105 | 10 | .22 | .00 | 16 |
| 27 | 2.3 | 1200 | 85 | 155 | 1000 | 313 | 214 | 105 | 9.2 | .20 | .00 | 16 |
| 28 | 2.1 | 1700 | 80 | 145 | 652 | 352 | 199 | 110 | 8.5 | .17 | .00 | 18 |
| 29 | 2.0 | 424 | 75 | 135 | 524 | 324 | 185 | 110 | 7.1 | .10 | .00 | 18 |
| 30 | 2.0 | 350 | 70 | 130 | --- | 285 | 177 | 97 | 5.7 | .05 | .04 | 19 |
| 31 | 2.0 | --- | 65 | 154 | --- | 263 | --- | 85 | --- | .00 | .00 | --- |
| TOTAL | 38.82 | 7798.4 | 9216 | 2938 | 9843 | 19972 | 13970 | 20539 | 756.5 | 111.58 | 36.68 | 227.05 |
| MEAN | 1.25 | 260 | 297 | 94.8 | 339 | 644 | 466 | 663 | 25.2 | 3.60 | 1.18 | 7.57 |
| MAX | 3.6 | 2000 | 1100 | 200 | 1100 | 2500 | 2040 | 4240 | 76 | 30 | 4.7 | 20 |
| MIN | .11 | 1.6 | 65 | 55 | 85 | 263 | 177 | 85 | 5.7 | .00 | .00 | .00 |
| CFSM | .01 | 1.76 | 2.01 | .64 | 2.29 | 4.35 | 3.15 | 4.48 | .17 | .02 | .01 | .05 |
| IN. | .01 | 1.96 | 2.32 | .74 | 2.47 | 5.02 | 3.51 | 5.16 | .19 | .03 | .01 | .06 |
| AC-FT | 77 | 15470 | 18280 | 5830 | 19520 | 39610 | 27710 | 40740 | 1500 | 221 | 73 | 450 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 87593.52 | MEAN | 240 | MAX | 5200 | MIN | .11 | CFSM | 1.62 | IN. | 22.02 | AC-FT | 173700 |
| WTR YR 1984 | TOTAL | 85447.03 | MEAN | 233 | MAX | 4240 | MIN | .00 | CFSM | 1.57 | IN. | 21.48 | AC-FT | 169500 |

## 07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'15", long 91°59'42", in SE 1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 18... | 1000 | 9 | 80513 | 80513 | .00 | 140 | 37 | 6.4 |
| 18... | 1002 | 9 | 80513 | 80513 | 10.0 | 140 | 37 | 6.4 |
| 18... | 1004 | 9 | 80513 | 80513 | 20.0 | 140 | 37 | 6.4 |
| 18... | 1006 | 9 | 80513 | 80513 | 30.0 | 140 | 37 | 6.4 |
| 18... | 1008 | 9 | 80513 | 80513 | 37.0 | 140 | 36 | 6.2 |
| 18... | 1010 | 9 | 80513 | 80513 | 40.0 | 140 | 36 | 6.1 |
| 18... | 1012 | 9 | 80513 | 80513 | 41.0 | 140 | 36 | 6.1 |
| 18... | 1014 | 9 | 80513 | 80513 | 44.0 | 140 | 36 | 6.1 |
| 18... | 1016 | 9 | 80513 | 80513 | 50.0 | 140 | 36 | 6.1 |
| 18... | 1018 | 9 | 80513 | 80513 | 56.0 | 140 | 36 | 6.1 |
| 18... | 1020 | 9 | 80513 | 80513 | 60.0 | 140 | 36 | 6.1 |
| 18... | 1022 | 9 | 80513 | 80513 | 70.0 | 140 | 36 | 6.2 |
| 18... | 1024 | 9 | 80513 | 80513 | 80.0 | 140 | 36 | 6.2 |
| 18... | 1026 | 9 | 80513 | 80513 | 90.0 | 140 | 37 | 6.2 |
| 18... | 1028 | 9 | 80513 | 80513 | 100 | 140 | 37 | 6.2 |
| 18... | 1030 | 9 | 80513 | 80513 | 110 | 140 | 38 | 6.2 |
| 18... | 1032 | 9 | 80513 | 80513 | 120 | 140 | 39 | 6.2 |
| 18... | 1034 | 9 | 80513 | 80513 | 130 | 140 | 41 | 6.1 |
| 18... | 1035 | 9 | 80513 | 80513 | 140 | 140 | 46 | 6.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 18... | 1000 | 20.0 | 168 | 4.3 | 7.5 | 83 | 755 |
| 18... | 1002 | 20.0 | -- | -- | 7.5 | -- | -- |
| 18... | 1004 | 20.0 | -- | -- | 7.6 | -- | -- |
| 18... | 1006 | 20.0 | -- | -- | 7.6 | -- | -- |
| 18... | 1008 | 19.0 | -- | -- | 2.1 | -- | -- |
| 18... | 1010 | 18.0 | -- | -- | 1.1 | -- | -- |
| 18... | 1012 | 17.0 | -- | -- | 1.7 | -- | -- |
| 18... | 1014 | 16.0 | -- | -- | 2.9 | -- | -- |
| 18... | 1016 | 15.5 | -- | -- | 4.4 | -- | -- |
| 18... | 1018 | 14.5 | -- | -- | 5.0 | -- | -- |
| 18... | 1020 | 14.0 | -- | -- | 5.4 | -- | -- |
| 18... | 1022 | 13.5 | -- | -- | 6.2 | -- | -- |
| 18... | 1024 | 12.5 | -- | -- | 6.5 | -- | -- |
| 18... | 1026 | 11.5 | -- | -- | 6.2 | -- | -- |
| 18... | 1028 | 11.0 | -- | -- | 5.4 | -- | -- |
| 18... | 1030 | 10.5 | -- | -- | 4.0 | -- | -- |
| 18... | 1032 | 10.0 | -- | -- | 2.4 | -- | -- |
| 18... | 1034 | 10.0 | -- | -- | 1.6 | -- | -- |
| 18... | 1035 | 10.0 | -- | -- | 1.1 | -- | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 15... | 1430 | 9 | 80513 | 80513 | .00 | 139 | 40 | 8.3 |
| 15... | 1432 | 9 | 80513 | 80513 | 10.0 | 139 | 40 | 8.3 |
| 15... | 1434 | 9 | 80513 | 80513 | 20.0 | 139 | 40 | 8.3 |
| 15... | 1436 | 9 | 80513 | 80513 | 30.0 | 139 | 40 | 8.2 |
| 15... | 1438 | 9 | 80513 | 80513 | 40.0 | 139 | 40 | 8.2 |
| 15... | 1440 | 9 | 80513 | 80513 | 50.0 | 139 | 40 | 8.2 |
| 15... | 1442 | 9 | 80513 | 80513 | 60.0 | 139 | 40 | 8.2 |
| 15... | 1444 | 9 | 80513 | 80513 | 70.0 | 139 | 40 | 8.0 |
| 15... | 1446 | 9 | 80513 | 80513 | 73.0 | 139 | 40 | 7.9 |
| 15... | 1448 | 9 | 80513 | 80513 | 78.0 | 139 | 40 | 7.9 |
| 15... | 1450 | 9 | 80513 | 80513 | 80.0 | 139 | 40 | 7.9 |
| 15... | 1452 | 9 | 80513 | 80513 | 90.0 | 139 | 40 | 7.8 |
| 15... | 1454 | 9 | 80513 | 80513 | 100 | 139 | 40 | 7.8 |
| 15... | 1456 | 9 | 80513 | 80513 | 110 | 139 | 42 | 7.7 |
| 15... | 1458 | 9 | 80513 | 80513 | 120 | 139 | 42 | 7.7 |
| 15... | 1459 | 9 | 80513 | 80513 | 130 | 139 | 44 | 7.6 |
| 15... | 1500 | 9 | 80513 | 80513 | 139 | 139 | 46 | 7.6 |

| DATE | TIME | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 15... | 1430 | 15.5 | 192 | 4.9 | 7.6 | 77 | 756 |
| 15... | 1432 | 15.5 | -- | -- | 7.5 | -- | -- |
| 15... | 1434 | 15.5 | -- | -- | 7.5 | -- | -- |
| 15... | 1436 | 15.5 | -- | -- | 7.5 | -- | -- |
| 15... | 1438 | 15.5 | -- | -- | 7.5 | -- | -- |
| 15... | 1440 | 15.5 | -- | -- | 7.5 | -- | -- |
| 15... | 1442 | 15.5 | -- | -- | 6.5 | -- | -- |
| 15... | 1444 | 14.5 | -- | -- | 4.7 | -- | -- |
| 15... | 1446 | 13.5 | -- | -- | 5.0 | -- | -- |
| 15... | 1448 | 12.5 | -- | -- | 5.1 | -- | -- |
| 15... | 1450 | 12.5 | -- | -- | 5.2 | -- | -- |
| 15... | 1452 | 11.5 | -- | -- | 5.2 | -- | -- |
| 15... | 1454 | 11.0 | -- | -- | 4.6 | -- | -- |
| 15... | 1456 | 10.5 | -- | -- | 2.8 | -- | -- |
| 15... | 1458 | 10.0 | -- | -- | 1.5 | -- | -- |
| 15... | 1459 | 10.0 | -- | -- | .9 | -- | -- |
| 15... | 1500 | 9.5 | -- | -- | .6 | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1000 | 9 | 80513 | 80513 | .00 | 144 | 40 | 7.3 | 5.5 | 11.0 | 88.8 |
| 14... | 1001 | 9 | 80513 | 80010 | 3.00 | 144 | -- | -- | -- | -- | -- |
| 14... | 1002 | 9 | 80513 | 80513 | 10.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1004 | 9 | 80513 | 80513 | 20.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1005 | 9 | 80513 | 80010 | 25.0 | 144 | 40 | 6.8 | -- | 11.0 | -- |
| 14... | 1006 | 9 | 80513 | 80513 | 30.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1008 | 9 | 80513 | 80513 | 40.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1010 | 9 | 80513 | 80513 | 50.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1012 | 9 | 80513 | 80513 | 60.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1014 | 9 | 80513 | 80513 | 70.0 | 144 | 40 | 7.3 | -- | 11.0 | -- |
| 14... | 1016 | 9 | 80513 | 80513 | 80.0 | 144 | 39 | 7.3 | -- | 11.0 | -- |
| 14... | 1018 | 9 | 80513 | 80513 | 90.0 | 144 | 39 | 7.3 | -- | 11.0 | -- |
| 14... | 1020 | 9 | 80513 | 80010 | 100 | 144 | 39 | 7.3 | -- | 11.0 | -- |
| 14... | 1022 | 9 | 80513 | 80513 | 110 | 144 | 39 | 7.3 | -- | 11.0 | -- |
| 14... | 1024 | 9 | 80513 | 80513 | 120 | 144 | 41 | 7.2 | -- | 10.5 | -- |
| 14... | 1026 | 9 | 80513 | 80513 | 130 | 144 | 44 | 7.1 | -- | 10.0 | -- |
| 14... | 1028 | 9 | 80513 | 80513 | 140 | 144 | 49 | 7.0 | -- | 10.0 | -- |
| 14... | 1030 | 9 | 80513 | 80513 | 144 | 144 | 52 | 7.0 | -- | 9.5 | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1000 | 2.30 | 8.9 | 83 | 743 | -- | -- | -- | 4 | -- | -- |
| 14... | 1001 | -- | -- | -- | 743 | -- | -- | -- | -- | -- | -- |
| 14... | 1002 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1004 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1005 | -- | 8.8 | 82 | 743 | 5 | 4.0 | 1.5 | -- | 14 | 2 |
| 14... | 1006 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1008 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1010 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1012 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1014 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1016 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1018 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1020 | -- | 8.4 | 78 | 743 | 5 | 4.2 | 1.3 | -- | 14 | 0 |
| 14... | 1022 | -- | 8.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1024 | -- | 3.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1026 | -- | 1.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1028 | -- | .1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 14... | 1030 | -- | .0 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1005 | 2 | 4.1 | 10 | .90 | 12 | 4.0 | 3.6 | .100 | .060 |
| 14... | 1020 | 0 | 4.1 | 10 | .90 | 13 | 4.0 | 4.1 | .100 | .060 |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1001 | -- | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| 14... | 1005 | .04 | .10 | .20 | .020 | <.010 | 220 | 30 | -- | -- |
| 14... | 1020 | .04 | .10 | .20 | .010 | <.010 | 240 | 30 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 19... | 1200 | 9 | 80513 | 80513 | .00 | 160 | 44 | 8.3 |
| 19... | 1202 | 9 | 80513 | 80513 | 10.0 | 160 | 44 | 8.3 |
| 19... | 1204 | 9 | 80513 | 80513 | 20.0 | 160 | 44 | 8.3 |
| 19... | 1206 | 9 | 80513 | 80513 | 30.0 | 160 | 44 | 8.3 |
| 19... | 1208 | 9 | 80513 | 80513 | 40.0 | 160 | 44 | 8.3 |
| 19... | 1210 | 9 | 80513 | 80513 | 50.0 | 160 | 44 | 8.3 |
| 19... | 1212 | 9 | 80513 | 80513 | 60.0 | 160 | 44 | 8.3 |
| 19... | 1214 | 9 | 80513 | 80513 | 70.0 | 160 | 44 | 8.3 |
| 19... | 1216 | 9 | 80513 | 80513 | 80.0 | 160 | 44 | 8.3 |
| 19... | 1218 | 9 | 80513 | 80513 | 90.0 | 160 | 44 | 8.3 |
| 19... | 1220 | 9 | 80513 | 80513 | 100 | 160 | 44 | 8.2 |
| 19... | 1222 | 9 | 80513 | 80513 | 110 | 160 | 44 | 8.2 |
| 19... | 1224 | 9 | 80513 | 80513 | 120 | 160 | 44 | 8.2 |
| 19... | 1226 | 9 | 80513 | 80513 | 130 | 160 | 44 | 8.3 |
| 19... | 1228 | 9 | 80513 | 80513 | 140 | 160 | 45 | 8.3 |
| 19... | 1229 | 9 | 80513 | 80513 | 150 | 160 | 45 | 8.3 |
| 19... | 1230 | 9 | 80513 | 80513 | 160 | 160 | 46 | 8.3 |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 19... | 1200 | 5.5 | 92.4 | 2.40 | 10.4 | 82 | 765 |
| 19... | 1202 | 5.5 | -- | -- | 10.3 | -- | -- |
| 19... | 1204 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1206 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1208 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1210 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1212 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1214 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1216 | 5.5 | -- | -- | 10.2 | -- | -- |
| 19... | 1218 | 5.5 | -- | -- | 10.1 | -- | -- |
| 19... | 1220 | 5.5 | -- | -- | 10.1 | -- | -- |
| 19... | 1222 | 5.5 | -- | -- | 10.1 | -- | -- |
| 19... | 1224 | 5.5 | -- | -- | 10.1 | -- | -- |
| 19... | 1226 | 5.5 | -- | -- | 10.0 | -- | -- |
| 19... | 1228 | 5.5 | -- | -- | 10.0 | -- | -- |
| 19... | 1229 | 5.0 | -- | -- | 9.9 | -- | -- |
| 19... | 1230 | 5.0 | -- | -- | 9.9 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 28... | 1020 | 9 | 80513 | 80513 | .00 | 147 | 40 | 7.4 |
| 28... | 1022 | 9 | 80513 | 80513 | 10.0 | 147 | 40 | 7.3 |
| 28... | 1024 | 9 | 80513 | 80513 | 20.0 | 147 | 40 | 7.3 |
| 28... | 1026 | 9 | 80513 | 80513 | 30.0 | 147 | 40 | 7.3 |
| 28... | 1028 | 9 | 80513 | 80513 | 40.0 | 147 | 40 | 7.3 |
| 28... | 1030 | 9 | 80513 | 80513 | 50.0 | 147 | 40 | 7.3 |
| 28... | 1032 | 9 | 80513 | 80513 | 60.0 | 147 | 40 | 7.3 |
| 28... | 1034 | 9 | 80513 | 80513 | 70.0 | 147 | 40 | 7.3 |
| 28... | 1036 | 9 | 80513 | 80513 | 80.0 | 147 | 40 | 7.3 |
| 28... | 1038 | 9 | 80513 | 80513 | 90.0 | 147 | 40 | 7.3 |
| 28... | 1040 | 9 | 80513 | 80513 | 100 | 147 | 40 | 7.2 |
| 28... | 1042 | 9 | 80513 | 80513 | 110 | 147 | 40 | 7.2 |
| 28... | 1044 | 9 | 80513 | 80513 | 120 | 147 | 40 | 7.2 |
| 28... | 1046 | 9 | 80513 | 80513 | 130 | 147 | 40 | 7.2 |
| 28... | 1048 | 9 | 80513 | 80513 | 140 | 147 | 40 | 7.2 |
| 28... | 1050 | 9 | 80513 | 80513 | 147 | 147 | 40 | 7.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 28... | 1020 | 5.5 | 119 | 3.00 | 11.6 | 93 | 753 |
| 28... | 1022 | 5.5 | -- | -- | 11.6 | -- | -- |
| 28... | 1024 | 5.5 | -- | -- | 11.6 | -- | -- |
| 28... | 1026 | 5.5 | -- | -- | 11.6 | -- | -- |
| 28... | 1028 | 5.5 | -- | -- | 11.6 | -- | -- |
| 28... | 1030 | 5.5 | -- | -- | 11.6 | -- | -- |
| 28... | 1032 | 5.5 | -- | -- | 11.5 | -- | -- |
| 28... | 1034 | 5.5 | -- | -- | 11.5 | -- | -- |
| 28... | 1036 | 5.5 | -- | -- | 11.5 | -- | -- |
| 28... | 1038 | 5.5 | -- | -- | 11.5 | -- | -- |
| 28... | 1040 | 5.5 | -- | -- | 11.5 | -- | -- |
| 28... | 1042 | 5.5 | -- | -- | 11.4 | -- | -- |
| 28... | 1044 | 5.5 | -- | -- | 11.4 | -- | -- |
| 28... | 1046 | 5.5 | -- | -- | 11.4 | -- | -- |
| 28... | 1048 | 5.5 | -- | -- | 11.4 | -- | -- |
| 28... | 1050 | 5.5 | -- | -- | 11.3 | -- | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 29... | 0920 | 9 | 80513 | 80513 | .00 | 153 | 41 | 7.3 |
| 29... | 0922 | 9 | 80513 | 80513 | 10.0 | 153 | 41 | 7.3 |
| 29... | 0924 | 9 | 80513 | 80513 | 20.0 | 153 | 41 | 7.3 |
| 29... | 0926 | 9 | 80513 | 80513 | 30.0 | 153 | 41 | 7.3 |
| 29... | 0928 | 9 | 80513 | 80513 | 40.0 | 153 | 41 | 7.3 |
| 29... | 0930 | 9 | 80513 | 80513 | 50.0 | 153 | 41 | 7.4 |
| 29... | 0932 | 9 | 80513 | 80513 | 60.0 | 153 | 41 | 7.4 |
| 29... | 0934 | 9 | 80513 | 80513 | 70.0 | 153 | 41 | 7.4 |
| 29... | 0936 | 9 | 80513 | 80513 | 80.0 | 153 | 41 | 7.4 |
| 29... | 0938 | 9 | 80513 | 80513 | 90.0 | 153 | 41 | 7.4 |
| 29... | 0940 | 9 | 80513 | 80513 | 100 | 153 | 41 | 7.4 |
| 29... | 0942 | 9 | 80513 | 80513 | 110 | 153 | 41 | 7.4 |
| 29... | 0944 | 9 | 80513 | 80513 | 120 | 153 | 41 | 7.4 |
| 29... | 0946 | 9 | 80513 | 80513 | 130 | 153 | 41 | 7.3 |
| 29... | 0948 | 9 | 80513 | 80513 | 140 | 153 | 41 | 7.3 |
| 29... | 0949 | 9 | 80513 | 80513 | 150 | 153 | 41 | 7.3 |
| 29... | 0950 | 9 | 80513 | 80513 | 153 | 153 | 41 | 7.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 29... | 0920 | 9.0 | 88.8 | 2.30 | 11.2 | 99 | 749 |
| 29... | 0922 | 9.0 | -- | -- | 11.2 | -- | -- |
| 29... | 0924 | 9.0 | -- | -- | 11.2 | -- | -- |
| 29... | 0926 | 9.0 | -- | -- | 11.2 | -- | -- |
| 29... | 0928 | 8.5 | -- | -- | 11.2 | -- | -- |
| 29... | 0930 | 8.5 | -- | -- | 11.1 | -- | -- |
| 29... | 0932 | 8.5 | -- | -- | 11.1 | -- | -- |
| 29... | 0934 | 8.5 | -- | -- | 11.0 | -- | -- |
| 29... | 0936 | 8.5 | -- | -- | 11.0 | -- | -- |
| 29... | 0938 | 8.5 | -- | -- | 11.0 | -- | -- |
| 29... | 0940 | 8.5 | -- | -- | 11.0 | -- | -- |
| 29... | 0942 | 8.5 | -- | -- | 10.9 | -- | -- |
| 29... | 0944 | 7.5 | -- | -- | 10.8 | -- | -- |
| 29... | 0946 | 7.0 | -- | -- | 10.7 | -- | -- |
| 29... | 0948 | 6.0 | -- | -- | 10.5 | -- | -- |
| 29... | 0949 | 6.0 | -- | -- | 10.3 | -- | -- |
| 29... | 0950 | 6.0 | -- | -- | 10.3 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 17... | 1020 | 9 | 80513 | 80513 | .00 | 153 | 45 | 7.8 |
| 17... | 1022 | 9 | 80513 | 80513 | 10.0 | 153 | 44 | 7.8 |
| 17... | 1024 | 9 | 80513 | 80513 | 20.0 | 153 | 44 | 7.7 |
| 17... | 1026 | 9 | 80513 | 80513 | 30.0 | 153 | 44 | 7.7 |
| 17... | 1028 | 9 | 80513 | 80513 | 40.0 | 153 | 44 | 7.7 |
| 17... | 1030 | 9 | 80513 | 80513 | 50.0 | 153 | 44 | 7.7 |
| 17... | 1032 | 9 | 80513 | 80513 | 52.0 | 153 | 44 | 7.7 |
| 17... | 1034 | 9 | 80513 | 80513 | 56.0 | 153 | 44 | 7.7 |
| 17... | 1036 | 9 | 80513 | 80513 | 60.0 | 153 | 44 | 7.7 |
| 17... | 1038 | 9 | 80513 | 80513 | 70.0 | 153 | 44 | 7.7 |
| 17... | 1040 | 9 | 80513 | 80513 | 80.0 | 153 | 44 | 7.7 |
| 17... | 1042 | 9 | 80513 | 80513 | 90.0 | 153 | 45 | 7.7 |
| 17... | 1044 | 9 | 80513 | 80513 | 100 | 153 | 45 | 7.7 |
| 17... | 1046 | 9 | 80513 | 80513 | 110 | 153 | 45 | 7.6 |
| 17... | 1048 | 9 | 80513 | 80513 | 120 | 153 | 44 | 7.6 |
| 17... | 1050 | 9 | 80513 | 80513 | 130 | 153 | 44 | 7.6 |
| 17... | 1052 | 9 | 80513 | 80513 | 140 | 153 | 44 | 7.6 |
| 17... | 1054 | 9 | 80513 | 80513 | 150 | 153 | 44 | 7.6 |
| 17... | 1055 | 9 | 80513 | 80513 | 153 | 153 | 44 | 7.6 |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 17... | 1020 | 12.5 | 94.8 | 2.40 | 10.6 | 101 | 748 |
| 17... | 1022 | 12.0 | -- | -- | 10.6 | -- | -- |
| 17... | 1024 | 11.5 | -- | -- | 10.6 | -- | -- |
| 17... | 1026 | 11.5 | -- | -- | 10.7 | -- | -- |
| 17... | 1028 | 11.5 | -- | -- | 10.8 | -- | -- |
| 17... | 1030 | 11.5 | -- | -- | 10.8 | -- | -- |
| 17... | 1032 | 10.5 | -- | -- | 11.1 | -- | -- |
| 17... | 1034 | 9.5 | -- | -- | 11.1 | -- | -- |
| 17... | 1036 | 9.0 | -- | -- | 11.1 | -- | -- |
| 17... | 1038 | 9.0 | -- | -- | 11.1 | -- | -- |
| 17... | 1040 | 9.0 | -- | -- | 11.1 | -- | -- |
| 17... | 1042 | 8.5 | -- | -- | 11.2 | -- | -- |
| 17... | 1044 | 8.5 | -- | -- | 11.2 | -- | -- |
| 17... | 1046 | 8.0 | -- | -- | 11.2 | -- | -- |
| 17... | 1048 | 7.5 | -- | -- | 11.2 | -- | -- |
| 17... | 1050 | 7.0 | -- | -- | 11.1 | -- | -- |
| 17... | 1052 | 6.5 | -- | -- | 11.0 | -- | -- |
| 17... | 1054 | 6.0 | -- | -- | 10.8 | -- | -- |
| 17... | 1055 | 6.0 | -- | -- | 10.8 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 15... | 0900 | 9 | 80513 | 80513 | .00 | 157 | 31 | 7.7 | 16.0 | 20.5 | 134 |
| 15... | 0901 | 9 | 80513 | 80010 | 3.00 | 157 | -- | -- | -- | -- | -- |
| 15... | 0902 | 9 | 80513 | 80513 | 4.00 | 157 | 31 | 7.7 | -- | 19.5 | -- |
| 15... | 0904 | 9 | 80513 | 80513 | 6.00 | 157 | 30 | 7.8 | -- | 18.5 | -- |
| 15... | 0906 | 9 | 80513 | 80513 | 10.0 | 157 | 30 | 7.8 | -- | 17.5 | -- |
| 15... | 0908 | 9 | 80513 | 80513 | 20.0 | 157 | 30 | 7.7 | -- | 16.5 | -- |
| 15... | 0910 | 9 | 80513 | 80010 | 25.0 | 157 | 30 | 7.6 | -- | 16.0 | -- |
| 15... | 0912 | 9 | 80513 | 80513 | 30.0 | 157 | 30 | 7.6 | -- | 15.5 | -- |
| 15... | 0914 | 9 | 80513 | 80513 | 40.0 | 157 | 31 | 7.6 | -- | 14.5 | -- |
| 15... | 0916 | 9 | 80513 | 80513 | 50.0 | 157 | 31 | 7.6 | -- | 13.5 | -- |
| 15... | 0918 | 9 | 80513 | 80513 | 60.0 | 157 | 31 | 7.6 | -- | 12.5 | -- |
| 15... | 0920 | 9 | 80513 | 80513 | 70.0 | 157 | 31 | 7.6 | -- | 11.5 | -- |
| 15... | 0922 | 9 | 80513 | 80513 | 80.0 | 157 | 31 | 7.6 | -- | 10.5 | -- |
| 15... | 0924 | 9 | 80513 | 80513 | 90.0 | 157 | 31 | 7.5 | -- | 9.5 | -- |
| 15... | 0925 | 9 | 80513 | 80010 | 100 | 157 | 31 | 7.5 | -- | 8.5 | -- |
| 15... | 0928 | 9 | 80513 | 80513 | 110 | 157 | 32 | 7.5 | -- | 8.0 | -- |
| 15... | 0930 | 9 | 80513 | 80513 | 120 | 157 | 32 | 7.5 | -- | 8.0 | -- |
| 15... | 0932 | 9 | 80513 | 80513 | 130 | 157 | 32 | 7.4 | -- | 7.5 | -- |
| 15... | 0934 | 9 | 80513 | 80513 | 140 | 157 | 32 | 7.4 | -- | 7.0 | -- |
| 15... | 0936 | 9 | 80513 | 80513 | 150 | 157 | 32 | 7.4 | -- | 7.0 | -- |
| 15... | 0940 | 9 | 80513 | 80513 | 157 | 157 | 32 | 7.4 | -- | 7.0 | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 15... | 0900 | 3.4 | 9.1 | 102 | 759 | -- | -- | -- | 0 | -- |
| 15... | 0901 | -- | -- | -- | 759 | -- | -- | -- | -- | -- |
| 15... | 0902 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0904 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0906 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0908 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0910 | -- | 8.9 | 91 | 759 | 5 | 1.1 | .8 | -- | 12 |
| 15... | 0912 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0914 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0916 | -- | 9.0 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0918 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0920 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0922 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0924 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0925 | -- | 9.7 | 83 | 759 | 5 | 3.0 | .9 | -- | 14 |
| 15... | 0928 | -- | 9.7 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0930 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0932 | -- | 9.4 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0934 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0936 | -- | 9.3 | -- | -- | -- | -- | -- | -- | -- |
| 15... | 0940 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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 | | | | | | | | | | |
| 15... | 0901 | -- | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| 15... | 0910 | .200 | .270 | 3.0 | 3.3 | 3.5 | <.010 | <.010 | -- | -- |
| 15... | 0925 | .100 | .210 | 3.9 | 4.1 | 4.2 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 25... | 1220 | 9 | 80513 | 80513 | .00 | 150 | 35 | 7.9 |
| 25... | 1222 | 9 | 80513 | 80513 | 10.0 | 150 | 35 | 7.8 |
| 25... | 1224 | 9 | 80513 | 80513 | 12.0 | 150 | 35 | 8.2 |
| 25... | 1226 | 9 | 80513 | 80513 | 13.0 | 150 | 34 | 8.3 |
| 25... | 1228 | 9 | 80513 | 80513 | 15.0 | 150 | 34 | 8.5 |
| 25... | 1230 | 9 | 80513 | 80513 | 16.0 | 150 | 34 | 8.6 |
| 25... | 1232 | 9 | 80513 | 80513 | 18.0 | 150 | 34 | 8.4 |
| 25... | 1234 | 9 | 80513 | 80513 | 20.0 | 150 | 34 | 8.3 |
| 25... | 1236 | 9 | 80513 | 80513 | 23.0 | 150 | 34 | 8.1 |
| 25... | 1238 | 9 | 80513 | 80513 | 25.0 | 150 | 34 | 8.0 |
| 25... | 1240 | 9 | 80513 | 80513 | 30.0 | 150 | 34 | 7.9 |
| 25... | 1242 | 9 | 80513 | 80513 | 33.0 | 150 | 34 | 7.8 |
| 25... | 1244 | 9 | 80513 | 80513 | 35.0 | 150 | 34 | 7.7 |
| 25... | 1246 | 9 | 80513 | 80513 | 37.0 | 150 | 33 | 7.7 |
| 25... | 1248 | 9 | 80513 | 80513 | 40.0 | 150 | 33 | 7.6 |
| 25... | 1250 | 9 | 80513 | 80513 | 45.0 | 150 | 33 | 7.5 |
| 25... | 1252 | 9 | 80513 | 80513 | 50.0 | 150 | 34 | 7.5 |
| 25... | 1254 | 9 | 80513 | 80513 | 60.0 | 150 | 35 | 7.4 |
| 25... | 1256 | 9 | 80513 | 80513 | 70.0 | 150 | 35 | 7.4 |
| 25... | 1258 | 9 | 80513 | 80513 | 80.0 | 150 | 36 | 7.4 |
| 25... | 1300 | 9 | 80513 | 80513 | 90.0 | 150 | 36 | 7.4 |
| 25... | 1302 | 9 | 80513 | 80513 | 100 | 150 | 36 | 7.4 |
| 25... | 1304 | 9 | 80513 | 80513 | 110 | 150 | 36 | 7.3 |
| 25... | 1306 | 9 | 80513 | 80513 | 120 | 150 | 36 | 7.3 |
| 25... | 1308 | 9 | 80513 | 80513 | 130 | 150 | 37 | 7.3 |
| 25... | 1309 | 9 | 80513 | 80513 | 140 | 150 | 37 | 7.2 |
| 25... | 1310 | 9 | 80513 | 80513 | 150 | 150 | 38 | 7.2 |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 25... | 1220 | 29.0 | 200 | 5.1 | 7.1 | 95 | 741 |
| 25... | 1222 | 28.5 | -- | -- | 7.1 | -- | -- |
| 25... | 1224 | 27.5 | -- | -- | 8.2 | -- | -- |
| 25... | 1226 | 26.5 | -- | -- | 8.3 | -- | -- |
| 25... | 1228 | 25.5 | -- | -- | 8.9 | -- | -- |
| 25... | 1230 | 24.5 | -- | -- | 8.9 | -- | -- |
| 25... | 1232 | 23.5 | -- | -- | 8.8 | -- | -- |
| 25... | 1234 | 23.0 | -- | -- | 8.8 | -- | -- |
| 25... | 1236 | 22.0 | -- | -- | 8.6 | -- | -- |
| 25... | 1238 | 21.0 | -- | -- | 8.5 | -- | -- |
| 25... | 1240 | 20.0 | -- | -- | 8.4 | -- | -- |
| 25... | 1242 | 19.0 | -- | -- | 8.3 | -- | -- |
| 25... | 1244 | 18.0 | -- | -- | 8.3 | -- | -- |
| 25... | 1246 | 17.0 | -- | -- | 8.1 | -- | -- |
| 25... | 1248 | 16.0 | -- | -- | 7.8 | -- | -- |
| 25... | 1250 | 15.0 | -- | -- | 7.5 | -- | -- |
| 25... | 1252 | 14.5 | -- | -- | 7.4 | -- | -- |
| 25... | 1254 | 13.5 | -- | -- | 7.5 | -- | -- |
| 25... | 1256 | 12.5 | -- | -- | 8.3 | -- | -- |
| 25... | 1258 | 11.5 | -- | -- | 8.6 | -- | -- |
| 25... | 1300 | 10.5 | -- | -- | 8.6 | -- | -- |
| 25... | 1302 | 10.0 | -- | -- | 8.7 | -- | -- |
| 25... | 1304 | 9.0 | -- | -- | 8.8 | -- | -- |
| 25... | 1306 | 8.0 | -- | -- | 8.7 | -- | -- |
| 25... | 1308 | 8.0 | -- | -- | 8.2 | -- | -- |
| 25... | 1309 | 7.5 | -- | -- | 8.1 | -- | -- |
| 25... | 1310 | 7.5 | -- | -- | 7.4 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 20... | 1100 | 9 | 80513 | 80513 | .00 | 150 | 28 | 7.4 | 28.0 | 182 |
| 20... | 1101 | 9 | 80513 | 80010 | 3.00 | 150 | 28 | 7.4 | 28.0 | -- |
| 20... | 1102 | 9 | 80513 | 80513 | 10.0 | 150 | 28 | 7.3 | 28.0 | -- |
| 20... | 1104 | 9 | 80513 | 80513 | 20.0 | 150 | 27 | 7.8 | 27.0 | -- |
| 20... | 1106 | 9 | 80513 | 80513 | 21.0 | 150 | 27 | 8.1 | 25.5 | -- |
| 20... | 1108 | 9 | 80513 | 80513 | 22.0 | 150 | 27 | 8.2 | 24.5 | -- |
| 20... | 1110 | 9 | 80513 | 80513 | 24.0 | 150 | 27 | 8.3 | 23.5 | -- |
| 20... | 1112 | 9 | 80513 | 80513 | 26.0 | 150 | 26 | 8.4 | 22.5 | -- |
| 20... | 1114 | 9 | 80513 | 80513 | 27.0 | 150 | 26 | 8.2 | 21.5 | -- |
| 20... | 1116 | 9 | 80513 | 80513 | 28.0 | 150 | 26 | 8.1 | 20.5 | -- |
| 20... | 1118 | 9 | 80513 | 80513 | 30.0 | 150 | 26 | 7.9 | 19.5 | -- |
| 20... | 1120 | 9 | 80513 | 80513 | 32.0 | 150 | 26 | 7.8 | 18.5 | -- |
| 20... | 1122 | 9 | 80513 | 80513 | 35.0 | 150 | 26 | 7.7 | 17.5 | -- |
| 20... | 1124 | 9 | 80513 | 80513 | 37.0 | 150 | 26 | 7.6 | 16.5 | -- |
| 20... | 1126 | 9 | 80513 | 80513 | 40.0 | 150 | 26 | 7.5 | 15.5 | -- |
| 20... | 1128 | 9 | 80513 | 80513 | 44.0 | 150 | 26 | 7.5 | 14.5 | -- |
| 20... | 1130 | 9 | 80513 | 80513 | 50.0 | 150 | 26 | 7.4 | 13.5 | -- |
| 20... | 1132 | 9 | 80513 | 80513 | 60.0 | 150 | 27 | 7.4 | 12.5 | -- |
| 20... | 1134 | 9 | 80513 | 80513 | 70.0 | 150 | 28 | 7.4 | 11.5 | -- |
| 20... | 1136 | 9 | 80513 | 80513 | 80.0 | 150 | 28 | 7.4 | 10.5 | -- |
| 20... | 1138 | 9 | 80513 | 80513 | 90.0 | 150 | 28 | 7.3 | 9.5 | -- |
| 20... | 1140 | 9 | 80513 | 80513 | 100 | 150 | 28 | 7.3 | 8.5 | -- |
| 20... | 1142 | 9 | 80513 | 80513 | 110 | 150 | 29 | 7.3 | 8.0 | -- |
| 20... | 1144 | 9 | 80513 | 80513 | 120 | 150 | 29 | 7.0 | 8.0 | -- |
| 20... | 1146 | 9 | 80513 | 80513 | 130 | 150 | 30 | 7.0 | 7.5 | -- |
| 20... | 1148 | 9 | 80513 | 80513 | 140 | 150 | 30 | 7.0 | 7.5 | -- |
| 20... | 1150 | 9 | 80513 | 80513 | 150 | 150 | 30 | 7.0 | 7.5 | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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 | | | | | | | | | |
| 20... | 1100 | 4.6 | 7.5 | 97 | 755 | -- | -- | -- | -- |
| 20... | 1101 | -- | 7.7 | 99 | 755 | <.010 | <.010 | 1.00 | <.100 |
| 20... | 1102 | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 20... | 1104 | -- | 9.5 | -- | -- | -- | -- | -- | -- |
| 20... | 1106 | -- | 9.8 | -- | -- | -- | -- | -- | -- |
| 20... | 1108 | -- | 9.9 | -- | -- | -- | -- | -- | -- |
| 20... | 1110 | -- | 10.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1112 | -- | 10.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1114 | -- | 10.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1116 | -- | 9.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1118 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 20... | 1120 | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 20... | 1122 | -- | 7.9 | -- | -- | -- | -- | -- | -- |
| 20... | 1124 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 20... | 1126 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 20... | 1128 | -- | 7.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1130 | -- | 7.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1132 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 20... | 1134 | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 20... | 1136 | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1138 | -- | 8.2 | -- | -- | -- | -- | -- | -- |
| 20... | 1140 | -- | 8.2 | -- | -- | -- | -- | -- | -- |
| 20... | 1142 | -- | 8.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1144 | -- | 7.7 | -- | -- | -- | -- | -- | -- |
| 20... | 1146 | -- | 7.3 | -- | -- | -- | -- | -- | -- |
| 20... | 1148 | -- | 7.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1150 | -- | 7.0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 21... | 0820 | 9 | 80513 | 80513 | .00 | 146 | 36 | 7.8 | 27.0 |
| 21... | 0821 | 9 | 80513 | 80010 | 3.00 | 146 | -- | -- | -- |
| 21... | 0822 | 9 | 80513 | 80513 | 10.0 | 146 | 36 | 7.8 | -- |
| 21... | 0824 | 9 | 80513 | 80513 | 20.0 | 146 | 36 | 7.7 | -- |
| 21... | 0826 | 9 | 80513 | 80513 | 23.0 | 146 | 35 | 7.9 | -- |
| 21... | 0828 | 9 | 80513 | 80513 | 24.0 | 146 | 35 | 7.9 | -- |
| 21... | 0830 | 9 | 80513 | 80010 | 25.0 | 146 | 35 | 7.6 | -- |
| 21... | 0832 | 9 | 80513 | 80513 | 27.0 | 146 | 34 | 7.9 | -- |
| 21... | 0834 | 9 | 80513 | 80513 | 28.0 | 146 | 34 | 7.8 | -- |
| 21... | 0836 | 9 | 80513 | 80513 | 30.0 | 146 | 34 | 7.7 | -- |
| 21... | 0838 | 9 | 80513 | 80513 | 32.0 | 146 | 34 | 7.6 | -- |
| 21... | 0840 | 9 | 80513 | 80513 | 34.0 | 146 | 34 | 7.6 | -- |
| 21... | 0842 | 9 | 80513 | 80513 | 37.0 | 146 | 34 | 7.5 | -- |
| 21... | 0844 | 9 | 80513 | 80513 | 40.0 | 146 | 34 | 7.4 | -- |
| 21... | 0846 | 9 | 80513 | 80513 | 45.0 | 146 | 34 | 7.4 | -- |
| 21... | 0848 | 9 | 80513 | 80513 | 50.0 | 146 | 35 | 7.3 | -- |
| 21... | 0850 | 9 | 80513 | 80513 | 60.0 | 146 | 36 | 7.3 | -- |
| 21... | 0852 | 9 | 80513 | 80513 | 70.0 | 146 | 36 | 7.2 | -- |
| 21... | 0854 | 9 | 80513 | 80513 | 80.0 | 146 | 36 | 7.2 | -- |
| 21... | 0856 | 9 | 80513 | 80513 | 90.0 | 146 | 37 | 7.2 | -- |
| 21... | 0900 | 9 | 80513 | 80010 | 100 | 146 | 37 | 6.9 | -- |
| 21... | 0902 | 9 | 80513 | 80513 | 110 | 146 | 38 | 7.2 | -- |
| 21... | 0904 | 9 | 80513 | 80513 | 120 | 146 | 38 | 7.2 | -- |
| 21... | 0906 | 9 | 80513 | 80513 | 130 | 146 | 39 | 7.2 | -- |
| 21... | 0908 | 9 | 80513 | 80513 | 140 | 146 | 40 | 7.2 | -- |
| 21... | 0910 | 9 | 80513 | 80513 | 146 | 146 | 40 | 7.2 | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 21... | 0820 | 25.5 | 169 | 4.3 | 7.6 | 94 | 753 | -- | -- |
| 21... | 0821 | -- | -- | -- | -- | -- | 753 | -- | -- |
| 21... | 0822 | 25.5 | -- | -- | 7.6 | -- | -- | -- | -- |
| 21... | 0824 | 25.0 | -- | -- | 7.8 | -- | -- | -- | -- |
| 21... | 0826 | 24.0 | -- | -- | 8.7 | -- | -- | -- | -- |
| 21... | 0828 | 23.0 | -- | -- | 9.4 | -- | -- | -- | -- |
| 21... | 0830 | 22.5 | -- | -- | 9.6 | 112 | 753 | 1 | .80 |
| 21... | 0832 | 21.5 | -- | -- | 9.6 | -- | -- | -- | -- |
| 21... | 0834 | 20.5 | -- | -- | 9.4 | -- | -- | -- | -- |
| 21... | 0836 | 19.5 | -- | -- | 9.1 | -- | -- | -- | -- |
| 21... | 0838 | 18.5 | -- | -- | 8.4 | -- | -- | -- | -- |
| 21... | 0840 | 17.5 | -- | -- | 7.8 | -- | -- | -- | -- |
| 21... | 0842 | 16.5 | -- | -- | 7.3 | -- | -- | -- | -- |
| 21... | 0844 | 15.5 | -- | -- | 7.2 | -- | -- | -- | -- |
| 21... | 0846 | 14.5 | -- | -- | 6.6 | -- | -- | -- | -- |
| 21... | 0848 | 14.0 | -- | -- | 6.6 | -- | -- | -- | -- |
| 21... | 0850 | 13.0 | -- | -- | 6.7 | -- | -- | -- | -- |
| 21... | 0852 | 12.0 | -- | -- | 7.1 | -- | -- | -- | -- |
| 21... | 0854 | 11.0 | -- | -- | 7.4 | -- | -- | -- | -- |
| 21... | 0856 | 10.0 | -- | -- | 7.5 | -- | -- | -- | -- |
| 21... | 0900 | 9.5 | -- | -- | 7.5 | 66 | 753 | 1 | 2.0 |
| 21... | 0902 | 8.5 | -- | -- | 7.2 | -- | -- | -- | -- |
| 21... | 0904 | 8.5 | -- | -- | 6.7 | -- | -- | -- | -- |
| 21... | 0906 | 8.0 | -- | -- | 5.9 | -- | -- | -- | -- |
| 21... | 0908 | 8.0 | -- | -- | 5.9 | -- | -- | -- | -- |
| 21... | 0910 | 7.5 | -- | -- | 5.4 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 21... | 0820 | -- | 0 | -- | -- | -- | -- | -- | -- |
| 21... | 0821 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 21... | 0830 | .6 | -- | 12 | <.100 | <.010 | <.010 | -- | -- |
| 21... | 0900 | .8 | -- | 12 | .200 | <.010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 20... | 1200 | 9 | 80513 | 80513 | .00 | 143 | 34 | 7.6 | 24.0 | 186 |
| 20... | 1201 | 9 | 80513 | 80010 | 3.00 | 143 | 34 | 7.7 | 24.0 | -- |
| 20... | 1202 | 9 | 80513 | 80513 | 10.0 | 143 | 34 | 7.8 | 24.0 | -- |
| 20... | 1204 | 9 | 80513 | 80513 | 20.0 | 143 | 34 | 7.9 | 24.0 | -- |
| 20... | 1206 | 9 | 80513 | 80513 | 30.0 | 143 | 34 | 7.9 | 24.0 | -- |
| 20... | 1208 | 9 | 80513 | 80513 | 32.0 | 143 | 33 | 7.9 | 23.0 | -- |
| 20... | 1210 | 9 | 80513 | 80513 | 33.0 | 143 | 32 | 7.8 | 22.0 | -- |
| 20... | 1212 | 9 | 80513 | 80513 | 34.0 | 143 | 32 | 7.8 | 21.0 | -- |
| 20... | 1214 | 9 | 80513 | 80513 | 35.0 | 143 | 32 | 7.7 | 20.0 | -- |
| 20... | 1216 | 9 | 80513 | 80513 | 37.0 | 143 | 32 | 7.6 | 19.0 | -- |
| 20... | 1218 | 9 | 80513 | 80513 | 40.0 | 143 | 32 | 7.5 | 18.0 | -- |
| 20... | 1220 | 9 | 80513 | 80513 | 42.0 | 143 | 32 | 7.5 | 17.0 | -- |
| 20... | 1222 | 9 | 80513 | 80513 | 44.0 | 143 | 32 | 7.4 | 16.0 | -- |
| 20... | 1224 | 9 | 80513 | 80513 | 50.0 | 143 | 32 | 7.3 | 15.0 | -- |
| 20... | 1226 | 9 | 80513 | 80513 | 55.0 | 143 | 33 | 7.3 | 14.0 | -- |
| 20... | 1228 | 9 | 80513 | 80513 | 60.0 | 143 | 34 | 7.3 | 13.0 | -- |
| 20... | 1230 | 9 | 80513 | 80513 | 70.0 | 143 | 34 | 7.2 | 12.0 | -- |
| 20... | 1232 | 9 | 80513 | 80513 | 80.0 | 143 | 34 | 7.2 | 11.0 | -- |
| 20... | 1234 | 9 | 80513 | 80513 | 90.0 | 143 | 34 | 7.2 | 10.0 | -- |
| 20... | 1236 | 9 | 80513 | 80513 | 100 | 143 | 34 | 7.2 | 9.5 | -- |
| 20... | 1238 | 9 | 80513 | 80513 | 110 | 143 | 35 | 7.1 | 9.0 | -- |
| 20... | 1240 | 9 | 80513 | 80513 | 120 | 143 | 36 | 7.1 | 8.5 | -- |
| 20... | 1242 | 9 | 80513 | 80513 | 130 | 143 | 38 | 7.1 | 8.0 | -- |
| 20... | 1244 | 9 | 80513 | 80513 | 140 | 143 | 39 | 7.0 | 8.0 | -- |
| 20... | 1245 | 9 | 80513 | 80513 | 143 | 143 | 40 | 7.0 | 8.0 | -- |

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 20... | 1200 | 4.7 | 8.1 | 97 | 754 | -- | -- | -- | -- |
| 20... | 1201 | -- | 8.1 | 97 | 754 | <.010 | <.010 | .900 | <.100 |
| 20... | 1202 | -- | 8.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1204 | -- | 8.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1206 | -- | 8.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1208 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 20... | 1210 | -- | 9.2 | -- | -- | -- | -- | -- | -- |
| 20... | 1212 | -- | 9.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1214 | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 20... | 1216 | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1218 | -- | 7.4 | -- | -- | -- | -- | -- | -- |
| 20... | 1220 | -- | 6.6 | -- | -- | -- | -- | -- | -- |
| 20... | 1222 | -- | 6.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1224 | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 20... | 1226 | -- | 5.9 | -- | -- | -- | -- | -- | -- |
| 20... | 1228 | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 20... | 1230 | -- | 6.3 | -- | -- | -- | -- | -- | -- |
| 20... | 1232 | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 20... | 1234 | -- | 6.9 | -- | -- | -- | -- | -- | -- |
| 20... | 1236 | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 20... | 1238 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 20... | 1240 | -- | 5.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1242 | -- | 4.3 | -- | -- | -- | -- | -- | -- |
| 20... | 1244 | -- | 4.1 | -- | -- | -- | -- | -- | -- |
| 20... | 1245 | -- | 3.9 | -- | -- | -- | -- | -- | -- |

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR

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

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

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 0940 | 9 | 80513 | 80513 | 120 | 41 | 6.2 | 10.5 | 3.5 |
| NOV 15... | 1400 | 9 | 80513 | 80513 | 540 | 46 | 8.3 | 13.5 | 10.0 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 14... | 0920 | 9 | 80513 | 80010 | 4610 | 40 | 6.6 | 1.0 | 9.0 | 7.4 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 14... | 0920 | 66 | 740 | 6 | 6.4 | 1.3 | 7 | 15 | 2 |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 14... | 0920 | 2 | 4.3 | 11 | 1.0 | 13 | 4.0 | 3.0 | .200 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 14... | 0920 | .120 | -.02 | .10 | .30 | .020 | <.010 | 330 | 410 |

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 19... | 1130 | 9 | 80513 | 80513 | 40 | 45 | 8.4 | 5.0 | 11.6 |
| FEB 28... | 0950 | 9 | 80513 | 80513 | 250 | 41 | 8.1 | 6.0 | 12.5 |
| MAR 29... | 0840 | 9 | 80513 | 80513 | 4460 | 40 | 7.3 | 7.5 | 10.9 |
| APR 17... | 0950 | 9 | 80513 | 80513 | 4030 | 44 | 7.7 | 8.0 | 9.8 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 15... | 0830 | 9 | 80513 | 80010 | 3220 | 32 | 7.1 | 14.5 | 8.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 15... | 0830 | 9.5 | 81 | 764 | 5 | 2.6 | 1.4 | 2 | 13 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY 15... | 0830 | .200 | .280 | 2.9 | 3.2 | 3.4 | .010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 25... | 1145 | 9 | 80513 | 80513 | 1810 | 36 | 7.9 | 12.5 | 11.9 |
| JUL 20... | 1030 | 9 | 80513 | 80513 | 1270 | 30 | 7.5 | 13.5 | 10.6 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 21... | 0800 | 9 | 80513 | 80010 | 2190 | 38 | 6.8 | 20.5 | 10.5 | 7.9 | 71 |

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 21... | 0800 | 756 | 2 | 3.0 | 1.0 | 0 | 14 | .200 | <.010 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 20... | 1130 | 9 | 80513 | 80513 | 1320 | 38 | 7.2 | 13.5 | 10.4 |

07076620 LITTLE RED RIVER NEAR SEARCY, AR

LOCATION.--Lat 35°16'57", long 91°43'09", in NW 1/4 NE 1/4 sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy and at mile 31.7.

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

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

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft National Geodetic Vertical Datum of 1929. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Records good except those for period of no gage-height record, July 26 to Aug. 2, 1983, and Dec. 3 to Jan. 3, 1984, which are fair.

EXTREMES FOR MAY TO SEPTEMBER 1983.--Maximum daily discharge, 10,200 $ft^3/s$ July 28; minimum daily, 164 $ft^3/s$ Sept. 15.

EXTREMES FOR 1984 WATER YEAR.--Maximum discharge, 13,300 $ft^3/s$ May 5; maximum gage height, 28.12 ft Apr. 3; minimum daily discharge, 62 $ft^3/s$ Oct. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, MAY TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | --- | 1020 | 3560 | 3800 | 2210 |
| 2 | | | | | | | | --- | 1130 | 3940 | 3300 | 2580 |
| 3 | | | | | | | | --- | 1090 | 3390 | 3690 | 1670 |
| 4 | | | | | | | | --- | 1670 | 3400 | 3310 | 1280 |
| 5 | | | | | | | | --- | 1660 | 3950 | 1290 | 488 |
| 6 | | | | | | | | --- | 1770 | 3580 | 1910 | 242 |
| 7 | | | | | | | | --- | 2780 | 3370 | 1580 | 1640 |
| 8 | | | | | | | | --- | 2910 | 3220 | 960 | 1670 |
| 9 | | | | | | | | --- | 3030 | 3020 | 1260 | 2170 |
| 10 | | | | | | | | --- | 2940 | 645 | 1640 | 2210 |
| 11 | | | | | | | | --- | 3030 | 234 | 2050 | 1350 |
| 12 | | | | | | | | --- | 2860 | 1330 | 1390 | 639 |
| 13 | | | | | | | | --- | 2960 | 2050 | 1130 | 1520 |
| 14 | | | | | | | | --- | 2980 | 1950 | 1120 | 323 |
| 15 | | | | | | | | --- | 3240 | 934 | 798 | 164 |
| 16 | | | | | | | | --- | 3050 | 409 | 1070 | 166 |
| 17 | | | | | | | | --- | 2980 | 290 | 2360 | 259 |
| 18 | | | | | | | | --- | 2970 | 895 | 1930 | 431 |
| 19 | | | | | | | | --- | 3090 | 3980 | 1820 | 468 |
| 20 | | | | | | | | --- | 3230 | 4960 | 1780 | 1360 |
| 21 | | | | | | | | 4880 | 5890 | 7050 | 2300 | 365 |
| 22 | | | | | | | | 4870 | 7200 | 7620 | 2190 | 197 |
| 23 | | | | | | | | 4270 | 5260 | 7960 | 3120 | 171 |
| 24 | | | | | | | | 4460 | 2500 | 7270 | 2550 | 285 |
| 25 | | | | | | | | 3700 | 2240 | 8810 | 2540 | 299 |
| 26 | | | | | | | | 3630 | 2100 | 9200 | 2700 | 210 |
| 27 | | | | | | | | 4040 | 1780 | 6000 | 2990 | 188 |
| 28 | | | | | | | | 3080 | 3020 | 10200 | 3240 | 388 |
| 29 | | | | | | | | 1100 | 3250 | 3800 | 2780 | 301 |
| 30 | | | | | | | | 1180 | 3230 | 9500 | 3430 | 191 |
| 31 | | | | | | | | 1130 | --- | 3600 | 3450 | --- |
| TOTAL | | | | | | | | --- | 86860 | 130117 | 69478 | 25435 |
| MEAN | | | | | | | | --- | 2895 | 4197 | 2241 | 848 |
| MAX | | | | | | | | --- | 7200 | 10200 | 3800 | 2580 |
| MIN | | | | | | | | --- | 1020 | 234 | 798 | 164 |
| AC-FT | | | | | | | | --- | 172300 | 258100 | 137800 | 50450 |

07076620 LITTLE RED RIVER NEAR SEARCY, ARK--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 219 | 66 | 2720 | 900 | 517 | 3130 | 6410 | 3390 | 3740 | 352 | 814 | 3500 |
| 2 | 219 | 66 | 2860 | 800 | 592 | 2550 | 4020 | 1940 | 3530 | 195 | 817 | 2350 |
| 3 | 182 | 77 | 3100 | 780 | 475 | 1260 | 11300 | 7240 | 3450 | 273 | 912 | 370 |
| 4 | 181 | 188 | 800 | 779 | 463 | 2230 | 6660 | 6850 | 3450 | 732 | 794 | 430 |
| 5 | 171 | 133 | 800 | 423 | 414 | 7570 | 4220 | 4280 | 3610 | 398 | 776 | 766 |
| 6 | 165 | 166 | 1400 | 700 | 362 | 5440 | 3880 | 5120 | 3850 | 634 | 871 | 880 |
| 7 | 163 | 118 | 3100 | 708 | 325 | 3150 | 3300 | 8580 | 3830 | 1220 | 1490 | 3000 |
| 8 | 181 | 82 | 3500 | 421 | 317 | 2210 | 5530 | 10300 | 3720 | 1500 | 1330 | 588 |
| 9 | 183 | 130 | 8800 | 374 | 690 | 2990 | 9810 | 5720 | 3950 | 1260 | 895 | 315 |
| 10 | 176 | 116 | 3300 | 620 | 412 | 2050 | 6550 | 4140 | 649 | 2860 | 746 | 424 |
| 11 | 180 | 86 | 5300 | 630 | 354 | 833 | 5030 | 3550 | 298 | 2650 | 1630 | 2530 |
| 12 | 201 | 78 | 13000 | 816 | 2760 | 843 | 4330 | 4240 | 2620 | 1440 | 1890 | 2300 |
| 13 | 196 | 78 | 8700 | 1180 | 5880 | 2930 | 4440 | 3100 | 3040 | 1120 | 1270 | 3150 |
| 14 | 113 | 79 | 7200 | 1680 | 2900 | 1010 | 3990 | 3110 | 3050 | 1540 | 2940 | 3210 |
| 15 | 81 | 82 | 9600 | 617 | 1910 | 1350 | 3750 | 3340 | 2790 | 1620 | 2050 | 709 |
| 16 | 70 | 268 | 7800 | 382 | 1650 | 2250 | 3960 | 3500 | 2250 | 564 | 2130 | 280 |
| 17 | 75 | 343 | 7400 | 345 | 1680 | 8000 | 3760 | 2950 | 801 | 1220 | 2500 | 278 |
| 18 | 320 | 124 | 2700 | 328 | 1390 | 2700 | 4630 | 2880 | 854 | 951 | 1950 | 905 |
| 19 | 374 | 110 | 3500 | 290 | 2920 | 3500 | 4480 | 3160 | 1960 | 1050 | 1180 | 1160 |
| 20 | 518 | 133 | 7000 | 257 | 1220 | 4800 | 5360 | 3610 | 1480 | 1160 | 730 | 870 |
| 21 | 328 | 148 | 4800 | 370 | 772 | 4200 | 2610 | 3660 | 1510 | 1450 | 2500 | 1440 |
| 22 | 133 | 162 | 1500 | 751 | 637 | 4070 | 3490 | 3090 | 2090 | 760 | 2300 | 1320 |
| 23 | 91 | 347 | 2400 | 978 | 574 | 4100 | 3620 | 2980 | 2450 | 667 | 1200 | 481 |
| 24 | 74 | 555 | 3700 | 1750 | 504 | 4110 | 4320 | 3720 | 410 | 2080 | 2250 | 336 |
| 25 | 64 | 749 | 2300 | 1440 | 447 | 3480 | 4180 | 3990 | 253 | 1650 | 1500 | 1560 |
| 26 | 62 | 749 | 1700 | 1220 | 436 | 3480 | 4120 | 3540 | 1720 | 2470 | 2600 | 433 |
| 27 | 96 | 749 | 3400 | 1060 | 2800 | 4080 | 4180 | 2800 | 1470 | 1300 | 1300 | 568 |
| 28 | 104 | 761 | 4800 | 880 | 3440 | 5470 | 4810 | 3500 | 842 | 389 | 2100 | 310 |
| 29 | 75 | 1140 | 3200 | 758 | 2180 | 6430 | 120 | 3000 | 2460 | 248 | 3460 | 268 |
| 30 | 66 | 2700 | 2300 | 637 | --- | 5690 | 237 | 3180 | 1820 | 287 | 3560 | 783 |
| 31 | 66 | --- | 1200 | 536 | --- | 4030 | --- | 3460 | --- | 815 | 3460 | --- |
| TOTAL | 5127 | 10583 | 133880 | 23410 | 39021 | 109936 | 137097 | 127920 | 67947 | 34855 | 53945 | 35514 |
| MEAN | 165 | 353 | 4319 | 755 | 1346 | 3546 | 4570 | 4126 | 2265 | 1124 | 1740 | 1184 |
| MAX | 518 | 2700 | 13000 | 1750 | 5880 | 8000 | 11300 | 10300 | 3950 | 2860 | 3560 | 3500 |
| MIN | 62 | 66 | 800 | 257 | 317 | 833 | 120 | 1940 | 253 | 195 | 730 | 268 |
| AC-FT | 10170 | 20990 | 265600 | 46430 | 77400 | 218100 | 271900 | 253700 | 134800 | 69130 | 107000 | 70440 |

WTR YR 1984 TOTAL 779235 MEAN 2129 MAX 13000 MIN 62 AC-FT 1546000

## 07076626 LITTLE RED RIVER ABOVE SEARCY, AR

LOCATION.--Lat 35°16'12", long 91°42'26", in SE 1/4 SW 1/4 sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1200 ft downstream from lower dam at bridge on State Highway 367 at Searcy, Ar.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 29... | 1110 | 9 | 9827 | 9827 | 660 | -- | 5.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1225 | 9 | 9827 | 9827 | 1000 | 6.3 | 12.0 | 4.0 | 5.0 | 13.5 |
| 17... | 1115 | 9 | 9827 | 9827 | 310 | 6.2 | 1.0 | 3.0 | 4.0 | -- |
| FEB | | | | | | | | | | |
| 21... | 1125 | 9 | 9827 | 9827 | 40 | 6.4 | 17.0 | 9.0 | 6.0 | 11.0 |
| APR | | | | | | | | | | |
| 24... | -- | 9 | 9827 | 9827 | 6400 | 6.8 | 22.0 | 12.0 | 6.0 | 10.8 |
| MAY | | | | | | | | | | |
| 22... | 1040 | 9 | 9827 | 9827 | -- | 6.8 | -- | -- | 6.5 | 10.4 |
| 29... | 1035 | 9 | 9827 | 9827 | 7000 | 6.8 | 18.0 | 14.0 | 7.0 | 10.7 |
| JUL | | | | | | | | | | |
| 10... | 1250 | 9 | 9827 | 9827 | 4800 | 6.9 | 32.0 | 29.0 | 20 | 10.0 |
| 31... | 1245 | 9 | 9827 | 9827 | 1340 | 6.9 | 25.0 | 22.0 | 5.0 | 8.8 |
| SEP | | | | | | | | | | |
| 04... | 1120 | 9 | 9827 | 9827 | 200 | 7.0 | 24.0 | 18.0 | 5.0 | 9.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 1110 | -- | 260 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1225 | .7 | 4 | <1.0 | 4.5 | 42 | .06 | 5 | .51 |
| 17... | 1115 | .6 | 4 | 3.0 | 4.5 | 24 | .03 | 4 | .48 |
| FEB | | | | | | | | | |
| 21... | 1125 | .9 | 10 | 4.0 | 4.5 | 37 | .05 | 3 | .41 |
| APR | | | | | | | | | |
| 24... | -- | .5 | K8 | 6.0 | 3.0 | 32 | .04 | 9 | .17 |
| MAY | | | | | | | | | |
| 22... | 1040 | .6 | 32 | 2.0 | 2.5 | 28 | .04 | 8 | .18 |
| 29... | 1035 | 1.0 | 20 | 5.0 | 4.0 | 43 | .06 | 9 | .18 |
| JUL | | | | | | | | | |
| 10... | 1250 | 2.1 | 230 | 4.0 | 5.0 | 41 | .06 | 8 | .18 |
| 31... | 1245 | 1.1 | 20 | 5.0 | 2.5 | 28 | .04 | 8 | .12 |
| SEP | | | | | | | | | |
| 04... | 1120 | 1.0 | 16 | 5.0 | 5.0 | 37 | .05 | 3 | .21 |

07076626 LITTLE RED RIVER ABOVE SEARCY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | |
| 03... | 1225 | .080 | .100 | .010 | 0 | -- | 10 | -- | 40 |
| 17... | 1115 | .030 | <.010 | <.010 | 0 | <1 | <10 | 27 | 40 |
| FEB | | | | | | | | | |
| 21... | 1125 | <.010 | .030 | .010 | 0 | <1 | <10 | 7 | 70 |
| APR | | | | | | | | | |
| 24... | -- | .010 | .050 | .010 | 0 | <1 | 12 | 5 | 60 |
| MAY | | | | | | | | | |
| 22... | 1040 | .060 | .030 | <.010 | 0 | <1 | 13 | 4 | 40 |
| 29... | 1035 | .050 | .030 | .010 | 0 | <1 | <10 | 6 | -- |
| JUL | | | | | | | | | |
| 10... | 1250 | <.010 | -- | <.010 | 0 | <1 | 20 | 6 | -- |
| 31... | 1245 | -- | -- | -- | 0 | <1 | <10 | -- | 20 |
| SEP | | | | | | | | | |
| 04... | 1120 | <.010 | .020 | .010 | 0 | <1 | <10 | 13 | 40 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1245 | .000 | .000 | <.010 | .000 | .000 | .00 | .00 | .0 |

## 07076632 LITTLE RED RIVER BELOW SEARCY, AR

LOCATION.--Lat 35°15'19", long 91°40'34", in SW 1/4 SW 1/4 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 mi west of Judsonia, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1045 | 9 | 9827 | 9827 | 67 | 7.2 | -- | -- | 6.6 | 10.7 |
| 29... | 1040 | 9 | 9827 | 9827 | 663 | -- | 10.0 | 11.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1200 | 9 | 9827 | 9827 | 1000 | 6.2 | 12.0 | 3.0 | 5.0 | 12.7 |
| 17... | 1045 | 9 | 9827 | 9827 | 314 | 6.6 | 11.0 | 4.0 | 4.0 | -- |
| FEB | | | | | | | | | | |
| 21... | 1100 | 9 | 9827 | 9827 | 44 | 6.4 | 21.0 | 9.0 | 7.0 | 10.7 |
| APR | | | | | | | | | | |
| 24... | 1040 | 9 | 9827 | 9827 | 6410 | 6.9 | 24.0 | 12.0 | 6.3 | 10.8 |
| MAY | | | | | | | | | | |
| 22... | 1010 | 9 | 9827 | 9827 | -- | 6.7 | -- | -- | 6.0 | 10.3 |
| 29... | 1015 | 9 | 9827 | 9827 | 7000 | 6.7 | 20.0 | 13.0 | 7.0 | 10.5 |
| JUL | | | | | | | | | | |
| 10... | 1050 | 9 | 9827 | 9827 | 4800 | 7.1 | 32.0 | 19.0 | 20 | 9.4 |
| 31... | 1225 | 9 | 9827 | 9827 | 1340 | 6.8 | 28.0 | 22.0 | 6.0 | 9.4 |
| SEP | | | | | | | | | | |
| 04... | 1058 | 9 | 9827 | 9827 | 205 | 7.0 | 25.0 | 18.0 | 6.0 | 9.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1045 | 3.6 | 440 | 5.0 | 8.0 | 61 | .08 | 10 | .28 |
| 29... | 1040 | -- | 340 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1200 | 1.2 | 520 | 1.0 | 5.5 | 46 | .06 | 4 | .46 |
| 17... | 1045 | .8 | 350 | 3.0 | 5.0 | 31 | .04 | 4 | .49 |
| FEB | | | | | | | | | |
| 21... | 1100 | 1.1 | 100 | 4.0 | 5.0 | 35 | .05 | 6 | .39 |
| APR | | | | | | | | | |
| 24... | 1040 | .6 | 60 | 6.0 | 3.0 | 35 | .05 | 8 | .17 |
| MAY | | | | | | | | | |
| 22... | 1010 | .6 | 16 | 2.0 | 2.5 | 28 | .04 | 6 | .20 |
| 29... | 1015 | .9 | 60 | 5.0 | 5.0 | 40 | .05 | 10 | .19 |
| JUL | | | | | | | | | |
| 10... | 1050 | 1.6 | 200 | 5.0 | 7.0 | 46 | .06 | 18 | .16 |
| 31... | 1225 | 1.7 | -- | 4.0 | 2.5 | 33 | .04 | 11 | .15 |
| SEP | | | | | | | | | |
| 04... | 1058 | 1.0 | 26 | 5.0 | 5.5 | 41 | .06 | 9 | .21 |

07076632 LITTLE RED RIVER BELOW SEARCY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1045 | .310 | .420 | .290 | 0 | 2 | <10 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1200 | .210 | .200 | .050 | 1 | -- | <10 | -- | 90 |
| 17... | 1045 | .090 | .040 | .010 | 0 | 1 | <10 | 17 | 60 |
| FEB | | | | | | | | | |
| 21... | 1100 | .030 | .070 | .020 | 0 | 1 | <10 | 6 | 70 |
| APR | | | | | | | | | |
| 24... | 1040 | .010 | .060 | .010 | 0 | <1 | <10 | 7 | 40 |
| MAY | | | | | | | | | |
| 22... | 1010 | .100 | .040 | <.010 | 0 | <1 | 15 | 3 | 60 |
| 29... | 1015 | .060 | .040 | .010 | 0 | <1 | <10 | 10 | -- |
| JUL | | | | | | | | | |
| 10... | 1050 | .010 | -- | .010 | 0 | <1 | <10 | 9 | -- |
| 31... | 1225 | -- | -- | -- | 0 | 1 | <10 | -- | 20 |
| SEP | | | | | | | | | |
| 04... | 1058 | .010 | .040 | .020 | 0 | <1 | <10 | 19 | 50 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1225 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07076950 WATTENSAW BAYOU NEAR HAZEN, AR

LOCATION.--Lat 34°52'34" long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301 at bridge on State Highway 11, 7.0 mi north of Hazen, Ark.

DRAINAGE AREA.--192 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 0930 | 9 | 9827 | 9827 | -- | 6.9 | 24.0 | 17.0 | 30 | 2.8 |
| 21... | 1450 | 9 | 9827 | 9827 | -- | 6.6 | 19.0 | 14.0 | 180 | 6.4 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0900 | 9 | 9827 | 9827 | -- | 6.5 | 7.0 | 2.0 | 90 | 12.5 |
| FEB | | | | | | | | | | |
| 28... | 0900 | 9 | 9827 | 9827 | -- | 6.7 | 3.0 | 4.0 | 100 | 10.4 |
| MAR | | | | | | | | | | |
| 27... | 0900 | 9 | 9827 | 9827 | 195 | 6.7 | 20.0 | 15.0 | 80 | 7.2 |
| APR | | | | | | | | | | |
| 17... | 0915 | 9 | 9827 | 9827 | 710 | 6.9 | 18.0 | 16.0 | 55 | 7.3 |
| MAY | | | | | | | | | | |
| 08... | 1315 | 9 | 9827 | 9827 | -- | 6.6 | 15.0 | 19.0 | 90 | -- |
| JUN | | | | | | | | | | |
| 19... | 1350 | 9 | 9827 | 9827 | 23 | 7.4 | 32.0 | 28.0 | 30 | 2.2 |
| JUL | | | | | | | | | | |
| 31... | 1400 | 9 | 9827 | 9827 | .00 | 7.6 | 28.0 | 27.0 | 15 | 8.2 |
| AUG | | | | | | | | | | |
| 28... | 1410 | 9 | 9827 | 9827 | 5.0 | 7.3 | 28.0 | 27.0 | 35 | 3.8 |
| SEP | | | | | | | | | | |
| 25... | 1400 | 9 | 9827 | 9827 | 8.0 | 7.3 | 25.0 | 24.0 | 25 | 4.3 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0930 | 1.7 | 40 | 12 | 16 | 139 | .19 | 18 | .10 |
| 21... | 1450 | 4.8 | 2100 | 8.0 | 14 | 200 | .27 | 128 | .39 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0900 | 3.3 | 620 | 5.0 | 6.5 | 107 | .15 | 73 | .72 |
| FEB | | | | | | | | | |
| 28... | 0900 | 3.6 | 1400 | 6.0 | 6.5 | 145 | .20 | -- | .47 |
| MAR | | | | | | | | | |
| 27... | 0900 | 2.5 | 180 | 38 | 6.5 | 114 | .16 | 51 | .70 |
| APR | | | | | | | | | |
| 17... | 0915 | 2.2 | 50 | 3.0 | 5.0 | 116 | .16 | 24 | .25 |
| MAY | | | | | | | | | |
| 08... | 1315 | 2.7 | 700 | 6.0 | 3.0 | 236 | .32 | 52 | .23 |
| JUN | | | | | | | | | |
| 19... | 1350 | 2.2 | 10 | 6.0 | 24 | 216 | .29 | 39 | .30 |
| JUL | | | | | | | | | |
| 31... | 1400 | 4.1 | 270 | 35 | 41 | 251 | .34 | 18 | .06 |
| AUG | | | | | | | | | |
| 28... | 1410 | 1.5 | 170 | 11 | 22 | 169 | .23 | 30 | .36 |
| SEP | | | | | | | | | |
| 25... | 1400 | 2.4 | 410 | 4.0 | 19 | 136 | .19 | 23 | .17 |

07076950 WATTENSAW BAYOU NEAR HAZEN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0930 | .070 | -- | .050 | 0 | 3 | <10 | 4 | 60 |
| 21... | 1450 | -- | .440 | .150 | 0 | 10 | 18 | 10 | 40 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0900 | .210 | .190 | .060 | 0 | 3 | <10 | 8 | 40 |
| FEB | | | | | | | | | |
| 28... | 0900 | .280 | .270 | .120 | 0 | 0 | 16 | 18 | -- |
| MAR | | | | | | | | | |
| 27... | 0900 | .320 | .170 | .110 | 0 | 2 | 13 | -- | 20 |
| APR | | | | | | | | | |
| 17... | 0915 | .080 | .170 | .090 | 0 | 1 | 18 | 2 | 70 |
| MAY | | | | | | | | | |
| 08... | 1315 | -- | .170 | .110 | 0 | -- | 16 | 6 | -- |
| JUN | | | | | | | | | |
| 19... | 1350 | .120 | -- | .050 | 0 | <1 | 25 | 10 | 60 |
| JUL | | | | | | | | | |
| 31... | 1400 | .010 | .100 | .010 | 0 | <1 | 24 | 6 | -- |
| AUG | | | | | | | | | |
| 28... | 1410 | .040 | .120 | .070 | 0 | 1 | 15 | 6 | 40 |
| SEP | | | | | | | | | |
| 25... | 1400 | .020 | .110 | .060 | 0 | 1 | 14 | 5 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0930 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JUL, 1984 | | | | | | | | | |
| 31... | 1400 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07077000 WHITE RIVER AT DEVALLS BLUFF, AR

LOCATION.--Lat 34°47'25", long 91°26'45", in SE 1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi 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.--23,483 $mi^2$.

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1330 | 9 | 9827 | 9827 | 6940 | 8.4 | 28.0 | 24.0 | 20 | 9.6 |
| NOV | | | | | | | | | | |
| 01... | 1010 | 9 | 9827 | 9827 | 5200 | 8.5 | 24.0 | 18.0 | 6.8 | 12.0 |
| 21... | 0920 | 9 | 9827 | 9827 | 7260 | 7.9 | 18.0 | 13.0 | 55 | 9.8 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0930 | 9 | 9827 | 9827 | 17900 | 7.7 | 6.0 | 1.0 | 30 | 13.1 |
| FEB | | | | | | | | | | |
| 28... | 0945 | 9 | 9827 | 9827 | 21100 | 7.6 | 4.0 | 6.0 | 60 | 10.8 |
| MAR | | | | | | | | | | |
| 27... | 0945 | 9 | 9827 | 9827 | 39900 | 7.7 | 20.0 | 13.0 | 45 | 10.4 |
| APR | | | | | | | | | | |
| 17... | 1500 | 9 | 9827 | 9827 | 55500 | 7.8 | 18.0 | 16.0 | 25 | 9.9 |
| MAY | | | | | | | | | | |
| 08... | 1230 | 9 | 9827 | 9827 | 61700 | 7.5 | 14.0 | 18.0 | 40 | -- |
| JUN | | | | | | | | | | |
| 19... | 1310 | 9 | 9827 | 9827 | 17900 | 8.0 | 30.0 | 26.0 | 25 | 9.6 |
| JUL | | | | | | | | | | |
| 31... | 1315 | 9 | 9827 | 9827 | 12000 | 8.3 | 26.0 | 25.0 | 25 | 10.0 |
| AUG | | | | | | | | | | |
| 28... | 1330 | 9 | 9827 | 9827 | 11000 | 8.2 | 28.0 | 26.0 | 20 | 10.0 |
| SEP | | | | | | | | | | |
| 25... | 1310 | 9 | 9827 | 9827 | 8110 | 8.3 | 24.0 | 23.0 | 10 | 10.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1330 | 3.2 | 4 | 4.0 | 7.5 | 198 | .27 | 27 | .01 |
| NOV | | | | | | | | | |
| 01... | 1010 | 2.4 | <4 | 5.0 | 6.0 | 190 | .26 | 18 | .01 |
| 21... | 0920 | 1.6 | 350 | 5.0 | 7.0 | 191 | .26 | 66 | .39 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0930 | .9 | 100 | 5.0 | 6.5 | 147 | .20 | 42 | .37 |
| FEB | | | | | | | | | |
| 28... | 0945 | 1.4 | 90 | 6.0 | 6.0 | 146 | .20 | -- | .31 |
| MAR | | | | | | | | | |
| 27... | 0945 | 1.3 | 48 | 8.0 | 5.0 | 133 | .18 | 53 | .20 |
| APR | | | | | | | | | |
| 17... | 1500 | 2.0 | 40 | 4.0 | 2.5 | 128 | .17 | 29 | .11 |
| MAY | | | | | | | | | |
| 08... | 1230 | 1.5 | 260 | 5.0 | 4.0 | 140 | .19 | 33 | .21 |
| JUN | | | | | | | | | |
| 19... | 1310 | 2.2 | 450 | 5.0 | 8.0 | 149 | .20. | 42 | .13 |
| JUL | | | | | | | | | |
| 31... | 1315 | 2.9 | 10 | 16 | 5.0 | 157 | .21 | <10 | .14 |
| AUG | | | | | | | | | |
| 28... | 1330 | 2.4 | 15 | 5.0 | 5.5 | 142 | .19 | 33 | .18 |
| SEP | | | | | | | | | |
| 25... | 1310 | 3.3 | 10 | <1.0 | 5.0 | 154 | .21 | 20 | .01 |

07077000 WHITE RIVER AT DEVALLS BLUFF, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1330 | .010 | .070 | <.010 | 0 | 2 | 13 | <1 | -- |
| NOV | | | | | | | | | |
| 01... | 1010 | <.010 | -- | <.010 | 0 | 3 | <10 | 1 | 20 |
| 21... | 0920 | -- | .140 | .010 | 0 | 3 | <10 | 3 | 40 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0930 | .050 | .090 | .010 | 0 | 2 | <10 | <1 | 20 |
| FEB | | | | | | | | | |
| 28... | 0945 | .060 | .140 | .050 | 3 | 0 | <10 | 2 | -- |
| MAR | | | | | | | | | |
| 27... | 0945 | .170 | .070 | .030 | 0 | <1 | <10 | -- | 0 |
| APR | | | | | | | | | |
| 17... | 1500 | .020 | .080 | .020 | 0 | 1 | 12 | <1 | 130 |
| MAY | | | | | | | | | |
| 08... | 1230 | -- | .100 | .060 | 0 | -- | <10 | 1 | -- |
| JUN | | | | | | | | | |
| 19... | 1310 | .020 | -- | .010 | 0 | <1 | <10 | 1 | 20 |
| JUL | | | | | | | | | |
| 31... | 1315 | <.010 | .070 | .010 | 0 | 2 | <10 | 1 | -- |
| AUG | | | | | | | | | |
| 28... | 1330 | <.010 | .060 | .010 | 0 | 3 | <10 | 1 | 20 |
| SEP | | | | | | | | | |
| 25... | 1310 | <.010 | .060 | .010 | 0 | 1 | <10 | <1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1315 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07077380 CACHE RIVER AT EGYPT, AR

LOCATION.--Lat 35°51'28", long 90°56'00", in NW 1/4 SE 1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi 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 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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 821 $ft^3/s$, 15.90 in/yr, 594,800 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, 4,320 $ft^3/s$ May 11, gage height, 19.16 ft; minimum, 18 $ft^3/s$ Nov. 3, gage height, 3.72 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41 | 28 | 1730 | 300 | 563 | 300 | 1390 | 835 | 2090 | 116 | 249 | 171 |
| 2 | 32 | 23 | 2070 | 240 | 336 | 222 | 1040 | 550 | 1630 | 119 | 285 | 173 |
| 3 | 29 | 19 | 3330 | 190 | 221 | 188 | 3020 | 1570 | 772 | 119 | 246 | 189 |
| 4 | 26 | 27 | 3650 | 145 | 177 | 507 | 3460 | 1790 | 321 | 127 | 243 | 294 |
| 5 | 24 | 574 | 3660 | 400 | 149 | 2370 | 3430 | 1010 | 172 | 132 | 565 | 300 |
| 6 | 23 | 895 | 3670 | 1250 | 115 | 2440 | 3220 | 1340 | 144 | 372 | 804 | 254 |
| 7 | 84 | 827 | 3560 | 1490 | 85 | 1920 | 2790 | 3460 | 140 | 657 | 775 | 202 |
| 8 | 195 | 697 | 3360 | 1550 | 69 | 1130 | 2370 | 4080 | 137 | 570 | 608 | 176 |
| 9 | 147 | 471 | 3050 | 1570 | 67 | 454 | 2770 | 4220 | 136 | 376 | 384 | 1450 |
| 10 | 83 | 262 | 2660 | 1790 | 58 | 226 | 2830 | 4280 | 136 | 215 | 277 | 2730 |
| 11 | 50 | 140 | 3150 | 1900 | 57 | 149 | 2470 | 4300 | 134 | 139 | 217 | 2680 |
| 12 | 40 | 96 | 3310 | 1420 | 1480 | 118 | 2030 | 4280 | 134 | 338 | 198 | 2050 |
| 13 | 33 | 75 | 3200 | 921 | 3210 | 127 | 1580 | 4170 | 133 | 426 | 188 | 1440 |
| 14 | 35 | 60 | 2950 | 544 | 3340 | 190 | 1060 | 4030 | 132 | 265 | 247 | 996 |
| 15 | 66 | 50 | 2630 | 355 | 3190 | 170 | 642 | 3820 | 132 | 178 | 279 | 665 |
| 16 | 63 | 41 | 2260 | 275 | 2830 | 180 | 399 | 3600 | 245 | 367 | 290 | 419 |
| 17 | 57 | 37 | 1940 | 225 | 2380 | 958 | 292 | 3360 | 209 | 657 | 254 | 279 |
| 18 | 51 | 35 | 1620 | 160 | 1990 | 1900 | 225 | 3030 | 142 | 790 | 223 | 202 |
| 19 | 41 | 67 | 1250 | 140 | 1720 | 1870 | 182 | 2570 | 128 | 665 | 224 | 197 |
| 20 | 50 | 1010 | 1100 | 200 | 1480 | 1710 | 162 | 2210 | 127 | 406 | 255 | 193 |
| 21 | 72 | 1450 | 1400 | 400 | 1140 | 1630 | 202 | 1960 | 317 | 224 | 224 | 161 |
| 22 | 163 | 1400 | 1900 | 600 | 700 | 1450 | 298 | 1690 | 724 | 150 | 187 | 137 |
| 23 | 344 | 2480 | 2300 | 950 | 348 | 1230 | 265 | 1190 | 518 | 118 | 278 | 376 |
| 24 | 378 | 3280 | 2500 | 1300 | 221 | 956 | 171 | 639 | 301 | 97 | 376 | 1390 |
| 25 | 265 | 3240 | 2250 | 2550 | 158 | 719 | 129 | 355 | 191 | 94 | 342 | 1830 |
| 26 | 149 | 2980 | 2000 | 2940 | 118 | 541 | 111 | 244 | 145 | 103 | 275 | 1920 |
| 27 | 93 | 2660 | 2100 | 2470 | 259 | 316 | 106 | 538 | 129 | 152 | 215 | 1870 |
| 28 | 63 | 2620 | 1400 | 1900 | 687 | 365 | 104 | 2060 | 158 | 188 | 180 | 1690 |
| 29 | 50 | 2390 | 800 | 1420 | 501 | 1550 | 102 | 2480 | 157 | 179 | 159 | 1500 |
| 30 | 36 | 2050 | 550 | 1080 | --- | 1900 | 400 | 2490 | 138 | 150 | 143 | 1310 |
| 31 | 31 | --- | 370 | 822 | --- | 1710 | --- | 2350 | --- | 143 | 156 | --- |
| TOTAL | 2814 | 29984 | 71720 | 31497 | 27649 | 29496 | 37250 | 74501 | 9972 | 8632 | 9346 | 27244 |
| MEAN | 90.8 | 999 | 2314 | 1016 | 953 | 951 | 1242 | 2403 | 332 | 278 | 301 | 908 |
| MAX | 378 | 3280 | 3670 | 2940 | 3340 | 2440 | 3460 | 4300 | 2090 | 790 | 804 | 2730 |
| MIN | 23 | 19 | 370 | 140 | 57 | 118 | 102 | 244 | 127 | 94 | 143 | 137 |
| CFSM | .13 | 1.43 | 3.30 | 1.45 | 1.36 | 1.36 | 1.77 | 3.43 | .47 | .40 | .43 | 1.30 |
| IN. | .15 | 1.59 | 3.81 | 1.67 | 1.47 | 1.57 | 1.98 | 3.95 | .53 | .46 | .50 | 1.45 |
| AC-FT | 5580 | 59470 | 142300 | 62470 | 54840 | 58510 | 73890 | 147800 | 19780 | 17120 | 18540 | 54040 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 352155 | MEAN | 965 | MAX | 4900 | MIN | 19 | CFSM | 1.38 | IN. | 18.69 | AC-FT | 698500 |
| WTR YR 1984 | TOTAL | 360105 | MEAN | 984 | MAX | 4300 | MIN | 19 | CFSM | 1.40 | IN. | 19.11 | AC-FT | 714300 |

07077500 CACHE RIVER AT PATTERSON, AR

LOCATION.--Lat 35°16'10", long 91°14'15", in SE 1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 $mi^2$.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | 9 | 80513 | 80010 | 449 | 8.2 | 17.0 | .0 | 0 | 762 | 1.8 |
| JAN 03... | 1025 | 9 | 80513 | 80010 | 138 | 7.0 | .0 | 8.3 | 56 | 770 | .8 |
| FEB 16... | 1230 | 9 | 80513 | 80010 | 80 | 7.3 | 12.0 | 8.4 | 78 | 758 | 3.6 |
| APR 12... | 0850 | 9 | 80513 | 80010 | 66 | 7.2 | 14.0 | 7.5 | 73 | 760 | 3.4 |
| JUN 27... | 0930 | 9 | 80513 | 80010 | 246 | 7.6 | 26.0 | 4.2 | 52 | 755 | 3.2 |
| AUG 20... | 1110 | 9 | 80513 | 80010 | 340 | 8.0 | 26.0 | 4.8 | 59 | 764 | 2.4 |

| DATE | TIME | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | 560 | 1100 | 170 | 0 | 0 | 42 | 15 | 27 | 26 |
| JAN 03... | 1025 | K33 | 260 | 34 | 0 | 0 | 8.3 | 3.3 | 6.0 | 25 |
| FEB 16... | 1230 | K170 | 2200 | 20 | 0 | 0 | 5.0 | 1.9 | 4.4 | 29 |
| APR 12... | 0850 | K100 | K230 | 18 | 0 | 0 | 4.6 | 1.7 | 3.7 | 28 |
| JUN 27... | 0930 | 97 | 480 | 79 | 0 | 0 | 20 | 7.1 | 12 | 24 |
| AUG 20... | 1110 | K33 | 300 | 140 | 0 | 0 | 36 | 11 | 16 | 20 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | NITROGEN, NITRATE TOTAL (MG/L AS N) (00620) | NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618) | NITROGEN, NITRITE TOTAL (MG/L AS N) (00615) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | .9 | 3.0 | 201 | 13 | 20 | .20 | .260 | .310 | .040 |
| JAN 03... | 1025 | .5 | 3.5 | 35 | 9.1 | 5.8 | <.10 | .360 | .270 | .040 |
| FEB 16... | 1230 | .4 | 2.4 | 21 | 8.3 | 3.4 | <.10 | .330 | .350 | .070 |
| APR 12... | 0850 | .4 | 2.0 | 20 | 8.4 | 2.8 | <.10 | .340 | .360 | .060 |
| JUN 27... | 0930 | .6 | 3.8 | 87 | 18 | 9.4 | .20 | .460 | .300 | .040 |
| AUG 20... | 1110 | .6 | 2.5 | 144 | 12 | 8.8 | .20 | .470 | .460 | .030 |

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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, ORGANIC DISSOLVED (MG/L AS N) (00607) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | .070 | .300 | .380 | .150 | .110 | .85 | .59 | 1.0 | .30 |
| JAN 03... | 1025 | .030 | .400 | .300 | .150 | .120 | .85 | 1.2 | 1.0 | .00 |
| FEB 16... | 1230 | .010 | .400 | .360 | .150 | .100 | 1.1 | .40 | 1.2 | .70 |
| APR 12... | 0850 | .040 | .400 | .400 | .160 | .190 | 2.1 | .71 | 2.3 | 1.4 |
| JUN 27... | 0930 | .100 | .500 | .400 | .150 | .120 | 1.1 | .98 | 1.2 | -- |
| AUG 20... | 1110 | .020 | .500 | .480 | .080 | .120 | 1.0 | .88 | 1.1 | -- |

| DATE | TIME | NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN DISSOLVED (MG/L AS N) (00602) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | ARSENIC TOTAL (UG/L AS AS) (01002) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | .70 | 1.3 | 1.1 | .160 | .100 | 2 | 60 | 2 | <1 |
| JAN 03... | 1025 | 1.3 | 1.4 | 1.6 | .170 | .080 | -- | 20 | -- | -- |
| FEB 16... | 1230 | .50 | 1.6 | .86 | .230 | .060 | -- | 40 | -- | -- |
| APR 12... | 0850 | .90 | 2.7 | 1.3 | .210 | .080 | -- | 30 | -- | -- |
| JUN 27... | 0930 | 1.1 | 1.7 | -- | .120 | .040 | -- | 40 | -- | -- |
| AUG 20... | 1110 | 1.0 | 1.6 | -- | .150 | .070 | -- | 40 | -- | -- |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1020 | 1 | 7 | 2400 | 5 | 370 | .2 | 3 | 1 | 30 |

07077660 BAYOU DEVIEW NEAR GIBSON, AR

LOCATION.--Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 25... | 1720 | 9 | 9827 | 9827 | -- | -- | 18.0 | 16.0 | -- | -- |
| NOV | | | | | | | | | | |
| 29... | 1420 | 9 | 9827 | 9827 | -- | -- | 8.0 | 8.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1630 | 9 | 9827 | 9827 | -- | -- | 5.0 | 3.0 | 160 | 12.1 |
| 24... | 1630 | 9 | 9827 | 9827 | 385 | 6.8 | 4.0 | 1.0 | 160 | 13.3 |
| FEB | | | | | | | | | | |
| 21... | 1630 | 9 | 9827 | 9827 | -- | 7.0 | 18.0 | 11.0 | 55 | 10.8 |
| MAR | | | | | | | | | | |
| 20... | 1430 | 9 | 9827 | 9827 | -- | 6.9 | -- | -- | 120 | -- |
| APR | | | | | | | | | | |
| 24... | 1600 | 9 | 9827 | 9827 | -- | 7.3 | 27.0 | 14.0 | 45 | 10.1 |
| MAY | | | | | | | | | | |
| 22... | 1545 | 9 | 9827 | 9827 | 4.0 | 7.5 | 35.0 | 20.0 | 50 | 9.9 |
| JUN | | | | | | | | | | |
| 19... | 1600 | 9 | 9827 | 9827 | -- | 8.0 | 32.0 | 28.0 | 30 | 7.6 |
| JUL | | | | | | | | | | |
| 31... | 1630 | 9 | 9827 | 9827 | 48 | 8.0 | 30.0 | 24.0 | 25 | 9.2 |
| AUG | | | | | | | | | | |
| 21... | 1600 | 9 | 9827 | 9827 | 105 | 8.1 | 39.0 | 25.0 | 25 | 8.5 |
| SEP | | | | | | | | | | |
| 25... | 1645 | 9 | 9827 | 9827 | 55 | 7.8 | 36.0 | 25.0 | 9.0 | 6.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 25... | 1720 | -- | 630 | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | |
| 29... | 1420 | -- | 400 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1630 | 4.6 | 1300 | 10 | 9.5 | 162 | .22 | 190 | .75 |
| 24... | 1630 | 5.1 | 2900 | 7.0 | 6.0 | 117 | .16 | 402 | .70 |
| FEB | | | | | | | | | |
| 21... | 1630 | 2.6 | 36 | -- | 10 | 138 | .19 | 25 | .59 |
| MAR | | | | | | | | | |
| 20... | 1430 | 3.0 | 900 | 10 | 3.5 | 132 | .18 | 135 | .35 |
| APR | | | | | | | | | |
| 24... | 1600 | 2.4 | 1200 | 17 | 11 | 141 | .19 | 22 | 1.0 |
| MAY | | | | | | | | | |
| 22... | 1545 | 4.3 | 300 | <1.0 | 13 | -- | -- | 195 | -- |
| JUN | | | | | | | | | |
| 19... | 1600 | 5.2 | 20 | 48 | 24 | 364 | .50 | 34 | .05 |
| JUL | | | | | | | | | |
| 31... | 1630 | 3.2 | -- | 28 | 13 | 338 | .46 | 31 | .06 |
| AUG | | | | | | | | | |
| 21... | 1600 | 4.9 | 20 | -- | 28 | 259 | .35 | 33 | .57 |
| SEP | | | | | | | | | |
| 25... | 1645 | 3.1 | 510 | 22 | 41 | 250 | .34 | 13 | 2.2 |

07077660 BAYOU DEVIEW NEAR GIBSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | |
| 10... | 1630 | .360 | .370 | .350 | 0 | 12 | 11 | 7 | 40 |
| 24... | 1630 | .320 | .460 | .190 | 0 | -- | 12 | 9 | 30 |
| FEB | | | | | | | | | |
| 21... | 1630 | .450 | .850 | .750 | 0 | 4 | 14 | -- | -- |
| MAR | | | | | | | | | |
| 20... | 1430 | .260 | .490 | .250 | 0 | 4 | 14 | 6 | 30 |
| APR | | | | | | | | | |
| 24... | 1600 | .080 | .900 | .760 | 0 | 2 | 20 | 4 | 30 |
| MAY | | | | | | | | | |
| 22... | 1545 | -- | 1.50 | 1.30 | 0 | 5 | 77 | 5 | 80 |
| JUN | | | | | | | | | |
| 19... | 1600 | -- | -- | .270 | -- | <1 | <10 | 7 | 20 |
| JUL | | | | | | | | | |
| 31... | 1630 | <.010 | .120 | .040 | 0 | <1 | <10 | 7 | 20 |
| AUG | | | | | | | | | |
| 21... | 1600 | .120 | 1.50 | .900 | 0 | <1 | 11 | 5 | 0 |
| SEP | | | | | | | | | |
| 25... | 1645 | .020 | 4.70 | 4.25 | 0 | 1 | 19 | 8 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 21... | 1600 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07077700 BAYOU DEVIEW AT MORTON, AR

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | 9 | 80513 | 80010 | 447 | 8.1 | 17.0 | 4.8 | 50 | 764 | 2.0 |
| JAN 03... | 1100 | 9 | 80513 | 80010 | 148 | 7.1 | .0 | 9.3 | 63 | 770 | 3.6 |
| FEB 16... | 1300 | 9 | 80513 | 80010 | 77 | 7.0 | 13.0 | 8.4 | 80 | 758 | 2.4 |
| APR 12... | 1045 | 9 | 80513 | 80010 | 80 | 7.4 | 14.0 | 7.2 | 70 | 760 | 3.9 |
| JUN 27... | 1000 | 9 | 80513 | 80010 | 258 | 7.4 | 26.5 | 1.6 | 20 | 755 | 7.5 |
| AUG 20... | 1145 | 9 | 80513 | 80010 | 345 | 8.0 | 26.0 | 4.2 | 52 | 764 | 3.4 |

| DATE | TIME | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | K67 | 250 | 170 | 0 | 0 | 43 | 14 | 26 | 25 |
| JAN 03... | 1100 | K22 | K65 | 45 | 0 | 0 | 11 | 4.3 | 8.5 | 27 |
| FEB 16... | 1300 | K120 | 4000 | 25 | 5 | 5 | 6.6 | 2.0 | 4.2 | 25 |
| APR 12... | 1045 | K100 | 520 | 22 | 0 | 0 | 6.0 | 1.8 | 3.9 | 25 |
| JUN 27... | 1000 | K20 | K72 | 80 | 5 | 5 | 21 | 6.8 | 11 | 22 |
| AUG 20... | 1145 | K120 | 150 | 140 | 7 | 7 | 38 | 11 | 12 | 15 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | NITROGEN, NITRATE TOTAL (MG/L AS N) (00620) | NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618) | NITROGEN, NITRITE TOTAL (MG/L AS N) (00615) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | .9 | 4.3 | 176 | 22 | 28 | .30 | -- | .160 | .020 |
| JAN 03... | 1100 | .6 | 4.3 | 45 | 13 | 9.6 | <.10 | .470 | .410 | .030 |
| FEB 16... | 1300 | .4 | 2.7 | 20 | 7.7 | 3.9 | <.10 | .320 | -- | .080 |
| APR 12... | 1045 | .4 | 2.5 | 22 | 8.5 | 3.8 | .10 | .250 | .300 | .050 |
| JUN 27... | 1000 | .6 | 4.9 | 76 | 20 | 11 | .20 | .360 | .200 | .140 |
| AUG 20... | 1145 | .5 | 2.5 | 133 | 21 | 11 | .20 | .330 | .400 | .070 |

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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, ORGANIC DISSOLVED (MG/L AS N) (00607) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | .050 | <.100 | .210 | .050 | .120 | .65 | .38 | .70 | .20 |
| JAN 03... | 1100 | .040 | .500 | .450 | .280 | .260 | 1.0 | 1.7 | 1.3 | .00 |
| FEB 16... | 1300 | <.010 | .400 | .280 | .220 | .160 | 1.7 | .34 | 1.9 | 1.4 |
| APR 12... | 1045 | .050 | .300 | .350 | .910 | .300 | 1.3 | 1.7 | 2.2 | .20 |
| JUN 27... | 1000 | .070 | .500 | .270 | .400 | .020 | 1.7 | 1.6 | 2.1 | -- |
| AUG 20... | 1145 | .060 | .400 | .460 | .160 | .130 | .84 | .97 | 1.0 | -- |

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN DISSOLVED (MG/L AS N) (00602) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | ARSENIC TOTAL (UG/L AS AS) (01002) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | .50 | -- | .85 | .130 | .070 | 2 | 70 | 2 | <1 |
| JAN 03... | 1100 | 2.0 | 1.8 | 2.5 | .280 | .130 | -- | 40 | -- | -- |
| FEB 16... | 1300 | .50 | 2.3 | .78 | .260 | .060 | -- | 40 | -- | -- |
| APR 12... | 1045 | 2.0 | 2.5 | 2.4 | .220 | .070 | -- | 30 | -- | -- |
| JUN 27... | 1000 | 1.6 | 2.6 | -- | .140 | .020 | -- | 30 | -- | -- |
| AUG 20... | 1145 | 1.1 | 1.4 | -- | .180 | .080 | -- | 30 | -- | -- |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 18... | 1045 | 1 | 4 | 850 | 6 | 160 | .2 | 1 | 1 | 10 |

07077800 WHITE RIVER AT CLARENDON, AR
(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

LOCATION.--Lat 34°41'08", long91°18'55", in W 1/2 sec.22, T.1 N., R.3W., Monroe County, Hydrologic Unit 08020303, at St. Louis Southwestern Railroad bridge at Clarendon, 1.1 mi downstream from Cache River and at mile 100.1.

DRAINAGE AREA.--25,555 $mi^2$.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to 1967, October 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1947 to September 1965, October 1974 to September 1981.
WATER TEMPERATURES: October 1948 to September 1965, October 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 01... | 1100 | 9 | 80513 | 80010 | 6300 | 326 | 8.6 | 17.0 | 5.7 | 11.4 | 117 |
| JAN 04... | 1230 | 9 | 80513 | 80010 | 46200 | 220 | 7.8 | 2.0 | 24 | 11.6 | 84 |
| APR 11... | 0930 | 9 | 80513 | 80010 | 69800 | 184 | 8.0 | 14.0 | 25 | 9.6 | 94 |
| JUL 03... | 0930 | 9 | 80513 | 80010 | 13200 | 281 | 8.8 | 27.0 | 17 | 8.0 | 102 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 01... | 1100 | 770 | 3 | 14 | 170 | 4 | 4 | 39 | 18 | 3.9 | 5 |
| JAN 04... | 1230 | 763 | 36 | 80 | 110 | 6 | 6 | 27 | 10 | 3.0 | 6 |
| APR 11... | 0930 | 757 | 43 | 100 | 86 | 3 | 3 | 21 | 8.2 | 2.1 | 5 |
| JUL 03... | 0930 | 751 | 5 | 84 | 130 | 3 | 3 | 32 | 12 | 3.2 | 5 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 01... | 1100 | .1 | 1.3 | 168 | 7.3 | 6.2 | .30 | 4.1 | 189 | 180 | .26 |
| JAN 04... | 1230 | .1 | 1.8 | 103 | 9.4 | 4.1 | <.10 | 6.0 | 141 | 120 | .19 |
| APR 11... | 0930 | .1 | 1.4 | 83 | 7.4 | 5.2 | <.10 | 4.1 | 107 | 99 | .15 |
| JUL 03... | 0930 | .1 | 1.3 | 127 | 6.3 | 4.8 | .10 | 5.2 | 153 | 140 | .21 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 01... | 1100 | <.100 | .030 | .40 | .060 | .040 | <.010 | <10 | 2 | 52 | <.5 |
| JAN 04... | 1230 | .350 | .110 | .90 | .070 | .040 | .030 | 30 | 1 | 60 | <.5 |
| APR 11... | 0930 | .120 | .070 | 2.1 | <.010 | .020 | <.010 | 20 | 1 | 38 | <.5 |
| JUL 03... | 0930 | <.100 | <.010 | .30 | .180 | .010 | <.010 | <10 | 1 | 45 | <.0 |

WHITE RIVER BASIN

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 01... | 1100 | 1 | <1 | <3 | 2 | 9 | 2 | <4 | 13 | <.1 |
| JAN | | | | | | | | | | |
| 04... | 1230 | <1 | <1 | <3 | 1 | 64 | 1 | <4 | 19 | <.1 |
| APR | | | | | | | | | | |
| 11... | 0930 | <1 | <1 | <3 | 2 | 80 | 1 | <4 | 10 | <.1 |
| JUL | | | | | | | | | | |
| 03... | 0930 | <1 | <1 | <3 | 2 | 8 | <1 | 8 | 6 | <.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) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | | | |
| 01... | 1100 | <10 | 1 | <1 | <1 | 49 | 7 | 15 | 255 | 64 |
| JAN | | | | | | | | | | |
| 04... | 1230 | <10 | 1 | <1 | <1 | 34 | 10 | 76 | 9480 | 35 |
| APR | | | | | | | | | | |
| 11... | 0930 | <10 | 2 | <1 | 1 | 32 | 9 | 30 | 5650 | 80 |
| JUL | | | | | | | | | | |
| 03... | 0930 | <10 | <1 | <1 | 2 | 41 | <3 | 63 | 2250 | 94 |

07077820 WHITE RIVER AT ST. CHARLES, AR

LOCATION.--Lat 36°22'35", long 91°07'30", in SW 1/4 NE 1/4 sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi east of St. Charles.

DRAINAGE AREA.--25,809 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1445 | 9 | 9827 | 9827 | 7720 | 8.2 | 27.0 | 20.0 | 2.0 | 8.8 |
| NOV | | | | | | | | | | |
| 01... | 1440 | 9 | 9827 | 9827 | 7020 | 8.5 | 24.0 | 18.0 | 5.6 | 11.8 |
| 29... | 1440 | 9 | 9827 | 9827 | 25900 | -- | 8.0 | 10.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1455 | 9 | 9827 | 9827 | -- | 7.5 | 9.0 | 1.0 | 25 | 12.1 |
| 31... | 1425 | 9 | 9827 | 9827 | -- | 7.4 | 11.0 | 4.0 | 40 | 12.4 |
| FEB | | | | | | | | | | |
| 28... | 1425 | 9 | 9827 | 9827 | -- | 7.6 | 4.0 | 8.0 | 60 | 10.4 |
| APR | | | | | | | | | | |
| 03... | 1435 | 9 | 9827 | 9827 | -- | 7.6 | 12.0 | 22.0 | 35 | 9.8 |
| MAY | | | | | | | | | | |
| 01... | 1435 | 9 | 9827 | 9827 | -- | 7.5 | 23.0 | 17.0 | 20 | 8.1 |
| 29... | 1425 | 9 | 9827 | 9827 | -- | 7.5 | 20.0 | 20.0 | 30 | 6.5 |
| JUL | | | | | | | | | | |
| 10... | 1025 | 9 | 9827 | 9827 | -- | 8.0 | 32.0 | 28.0 | 30 | 7.4 |
| AUG | | | | | | | | | | |
| 07... | 1550 | 9 | 9827 | 9827 | -- | 8.1 | 25.0 | 25.0 | 30 | 8.4 |
| SEP | | | | | | | | | | |
| 04... | 1430 | 9 | 9827 | 9827 | -- | 8.2 | 25.0 | 26.0 | 35 | 8.3 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1445 | 3.9 | 8 | 6.0 | 7.0 | 185 | .25 | 34 | .01 | .010 |
| NOV | | | | | | | | | | |
| 01... | 1440 | 4.8 | <4 | 5.0 | 7.5 | 175 | .24 | 15 | -- | -- |
| 29... | 1440 | -- | 50 | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1455 | 2.3 | 24 | 7.0 | 5.5 | 154 | .21 | 20 | .31 | .040 |
| 31... | 1425 | 2.3 | 8 | 10 | 7.0 | 134 | .18 | 42 | .47 | -- |
| FEB | | | | | | | | | | |
| 28... | 1425 | 4.9 | 40 | 7.0 | 5.5 | 164 | .22 | 58 | .29 | .070 |
| APR | | | | | | | | | | |
| 03... | 1435 | 2.5 | 80 | 7.0 | 2.5 | 126 | .17 | 28 | .19 | .040 |
| MAY | | | | | | | | | | |
| 01... | 1435 | -- | 20 | 7.0 | 6.0 | 132 | .18 | 18 | .12 | .030 |
| 29... | 1425 | 3.9 | 150 | 7.0 | 4.5 | 153 | .21 | 22 | .21 | .100 |
| JUL | | | | | | | | | | |
| 10... | 1025 | 4.3 | 16 | 8.0 | 8.5 | 177 | .24 | -- | .01 | <.010 |
| AUG | | | | | | | | | | |
| 07... | 1550 | 2.6 | 5 | 7.0 | 5.0 | 176 | .24 | 60 | .11 | <.010 |
| SEP | | | | | | | | | | |
| 04... | 1430 | 1.7 | -- | 7.0 | 7.0 | 155 | .21 | 25 | .22 | -- |

07077820 WHITE RIVER AT ST. CHARLES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1445 | -- | .010 | -- | 0 | 2 | 10 | <1 | -- | 0 |
| NOV | | | | | | | | | | |
| 01... | 1440 | .030 | <.010 | <5 | 0 | 2 | <10 | -- | <5 | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1455 | -- | .010 | -- | -- | 2 | <10 | -- | -- | 0 |
| 31... | 1425 | .090 | .030 | <5 | 0 | 1 | <10 | 2 | <5 | -- |
| FEB | | | | | | | | | | |
| 28... | 1425 | .140 | .080 | -- | 0 | 2 | <10 | 2 | -- | 30 |
| APR | | | | | | | | | | |
| 03... | 1435 | .090 | -- | <5 | 0 | <1 | 10 | -- | <5 | -- |
| MAY | | | | | | | | | | |
| 01... | 1435 | .070 | .020 | -- | 0 | <1 | <10 | -- | -- | 0 |
| 29... | 1425 | .100 | .050 | -- | 0 | 2 | <10 | -- | -- | 0 |
| JUL | | | | | | | | | | |
| 10... | 1025 | -- | .010 | -- | 0 | 1 | <10 | 2 | -- | -- |
| AUG | | | | | | | | | | |
| 07... | 1550 | .070 | .010 | <5 | 0 | 1 | <10 | <1 | <5 | -- |
| SEP | | | | | | | | | | |
| 04... | 1430 | .080 | .030 | -- | -- | 3 | <10 | 2 | -- | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 1440 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAY, 1984 | | | | | | | | | |
| 29... | 1425 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, AR

LOCATION.--Lat 34°34'29" long 91°08'45", in SE 1/4 SE 1/4 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, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1520 | 9 | 9827 | 9827 | 7.3 | 27.0 | 19.0 | 3.8 | 4.0 |
| 21... | 1030 | 9 | 9827 | 9827 | 6.8 | 19.0 | 14.0 | 15 | 1.6 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1350 | 9 | 9827 | 9827 | 6.3 | 5.0 | 2.0 | 65 | 10.6 |
| FEB | | | | | | | | | |
| 28... | 1100 | 9 | 9827 | 9827 | 6.5 | 5.0 | 6.0 | 60 | 8.6 |
| MAR | | | | | | | | | |
| 27... | 1440 | 9 | 9827 | 9827 | 6.7 | 20.0 | 17.0 | 25 | 6.3 |
| APR | | | | | | | | | |
| 17... | 1030 | 9 | 9827 | 9827 | 6.8 | 18.0 | 17.0 | 20 | 7.5 |
| MAY | | | | | | | | | |
| 08... | 1130 | 9 | 9827 | 9827 | 6.5 | 13.0 | 19.0 | 120 | -- |
| JUN | | | | | | | | | |
| 19... | 1210 | 9 | 9827 | 9827 | 7.3 | 29.0 | 28.0 | 25 | 3.6 |
| AUG | | | | | | | | | |
| 28... | 1230 | 9 | 9827 | 9827 | 7.1 | 27.0 | 26.0 | 5.0 | 4.0 |
| SEP | | | | | | | | | |
| 25... | 1205 | 9 | 9827 | 9827 | 7.2 | 24.0 | 24.0 | 6.0 | 2.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1520 | 5.0 | 28 | <1.0 | 12 | 191 | .26 | 4 | .01 |
| 21... | 1030 | 7.4 | 370 | 6.0 | 13 | 145 | .20 | 10 | .01 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1350 | 2.9 | 890 | 4.0 | 5.0 | 94 | .13 | 34 | .31 |
| FEB | | | | | | | | | |
| 28... | 1100 | 2.3 | 140 | 4.0 | 4.5 | 112 | .15 | -- | .25 |
| MAR | | | | | | | | | |
| 27... | 1440 | 1.7 | 72 | 3.0 | 4.0 | 72 | .10 | 8 | .05 |
| APR | | | | | | | | | |
| 17... | 1030 | 2.2 | 35 | 1.0 | 2.0 | 74 | .10 | 6 | .02 |
| MAY | | | | | | | | | |
| 08... | 1130 | 2.3 | 700 | 5.0 | 2.5 | 145 | .20 | 65 | .14 |
| JUN | | | | | | | | | |
| 19... | 1210 | 4.3 | 250 | 2.0 | 5.5 | 108 | .15 | 28 | .07 |
| AUG | | | | | | | | | |
| 28... | 1230 | 1.5 | 140 | 6.0 | 7.5 | 147 | .20 | 4 | .08 |
| SEP | | | | | | | | | |
| 25... | 1205 | 1.3 | 56 | 1.0 | 10 | 138 | .19 | 5 | .02 |

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1520 | <.010 | -- | .010 | 0 | 7 | <10 | 5 | 20 |
| 21... | 1030 | -- | .400 | .150 | 0 | <1 | <10 | 4 | 40 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1350 | .140 | .180 | .070 | 0 | 3 | <10 | 9 | 30 |
| FEB | | | | | | | | | |
| 28... | 1100 | .260 | .240 | .160 | 0 | 3 | 17 | 22 | -- |
| MAR | | | | | | | | | |
| 27... | 1440 | .080 | .220 | .170 | 0 | <1 | 18 | -- | 10 |
| APR | | | | | | | | | |
| 17... | 1030 | .020 | .280 | .190 | 0 | <1 | 12 | 2 | 50 |
| MAY | | | | | | | | | |
| 08... | 1130 | -- | .310 | .250 | 0 | -- | 16 | 10 | -- |
| JUN | | | | | | | | | |
| 19... | 1210 | .380 | -- | .050 | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | |
| 28... | 1230 | .030 | .110 | .050 | 0 | <1 | 17 | 6 | 80 |
| SEP | | | | | | | | | |
| 25... | 1205 | <.010 | .120 | .080 | 0 | 2 | 25 | 4 | 10 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1350 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 17... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| AUG | | | | | | | | | |
| 28... | 1230 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07077950 BIG CREEK AT POPLAR GROVE, AR

LOCATION.--Lat 34°33'20", long 90°50"44", in sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft 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 mi2.

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of Corps of Engineers.

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

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi downstream at same datum. Prior to February 6, 1978, auxiliary water-stage recorder at site 8.7 downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed on December 28, 1981.

REMARKS.--Records good except those for periods of no gage-height record, Oct. 20 to Nov. 19, which are poor.

AVERAGE DISCHARGE.--14 years, 628 $ft^3/s$, 455,000 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, 4,280 $ft^3/s$ May 8, gage height, 30.31 ft; minimum daily, 25 $ft^3/s$ Oct. 10-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 70 | 45 | 899 | 1050 | 670 | 901 | 603 | 620 | 523 | 70 | 35 | 158 |
| 2 | 60 | 40 | 920 | 983 | 662 | 817 | 632 | 1160 | 453 | 67 | 30 | 167 |
| 3 | 50 | 40 | 2080 | 946 | 670 | 744 | 1270 | 2750 | 380 | 67 | 48 | 171 |
| 4 | 40 | 40 | 3110 | 911 | 678 | 710 | 1590 | 3060 | 301 | 65 | 174 | 174 |
| 5 | 40 | 45 | 3310 | 886 | 669 | 1210 | 1630 | 3270 | 213 | 65 | 108 | 176 |
| 6 | 40 | 40 | 3380 | 856 | 648 | 1590 | 1580 | 3380 | 138 | 65 | 87 | 169 |
| 7 | 30 | 40 | 3430 | 809 | 617 | 1740 | 1480 | 3590 | 165 | 60 | 181 | 161 |
| 8 | 30 | 40 | 3360 | 745 | 577 | 1820 | 1440 | 4220 | 206 | 60 | 188 | 153 |
| 9 | 30 | 40 | 3240 | 689 | 533 | 1840 | 1660 | 4090 | 163 | 60 | 174 | 145 |
| 10 | 25 | 35 | 3130 | 653 | 487 | 1840 | 1940 | 3990 | 123 | 60 | 276 | 146 |
| 11 | 25 | 35 | 3400 | 629 | 436 | 1880 | 2020 | 3910 | 89 | 60 | 551 | 167 |
| 12 | 25 | 40 | 3300 | 603 | 774 | 1950 | 1940 | 3820 | 73 | 55 | 582 | 184 |
| 13 | 25 | 40 | 3120 | 583 | 1340 | 2110 | 1780 | 3680 | 70 | 55 | 618 | 190 |
| 14 | 25 | 35 | 2980 | 565 | 1450 | 2010 | 1580 | 3510 | 70 | 55 | 692 | 196 |
| 15 | 25 | 35 | 2820 | 548 | 1470 | 1840 | 1380 | 3270 | 65 | 55 | 793 | 205 |
| 16 | 25 | 35 | 2660 | 528 | 1560 | 1680 | 1230 | 2990 | 60 | 55 | 882 | 222 |
| 17 | 30 | 35 | 2470 | 509 | 1630 | 1540 | 1110 | 2740 | 60 | 55 | 932 | 243 |
| 18 | 154 | 70 | 2250 | 494 | 1620 | 1410 | 1020 | 2500 | 55 | 66 | 939 | 258 |
| 19 | 84 | 130 | 2050 | 483 | 1590 | 1310 | 948 | 2250 | 50 | 101 | 923 | 271 |
| 20 | 70 | 235 | 1850 | 482 | 1520 | 1270 | 885 | 2020 | 50 | 85 | 877 | 294 |
| 21 | 60 | 174 | 1970 | 482 | 1430 | 1170 | 887 | 1830 | 50 | 69 | 814 | 328 |
| 22 | 65 | 77 | 2670 | 483 | 1330 | 1040 | 1330 | 1650 | 60 | 60 | 770 | 355 |
| 23 | 70 | 589 | 2700 | 518 | 1230 | 935 | 1370 | 1460 | 100 | 60 | 716 | 369 |
| 24 | 65 | 883 | 2500 | 928 | 1120 | 846 | 1280 | 1290 | 120 | 55 | 632 | 370 |
| 25 | 60 | 838 | 2200 | 974 | 1030 | 762 | 1140 | 1140 | 110 | 75 | 541 | 366 |
| 26 | 60 | 805 | 2000 | 884 | 966 | 674 | 1010 | 1000 | 100 | 140 | 437 | 366 |
| 27 | 60 | 812 | 1700 | 803 | 1090 | 596 | 904 | 888 | 96 | 213 | 332 | 366 |
| 28 | 55 | 912 | 1500 | 749 | 1110 | 851 | 806 | 801 | 96 | 312 | 233 | 362 |
| 29 | 50 | 923 | 1300 | 714 | 1010 | 900 | 705 | 739 | 99 | 150 | 174 | 352 |
| 30 | 50 | 909 | 1200 | 691 | --- | 772 | 696 | 666 | 82 | 67 | 153 | 334 |
| 31 | 45 | --- | 1100 | 678 | --- | 667 | --- | 594 | --- | 45 | 152 | --- |
| TOTAL | 1543 | 8017 | 74599 | 21856 | 29917 | 39425 | 37846 | 72878 | 4220 | 2527 | 14044 | 7418 |
| MEAN | 49.8 | 267 | 2406 | 705 | 1032 | 1272 | 1262 | 2351 | 141 | 81.5 | 453 | 247 |
| MAX | 154 | 923 | 3430 | 1050 | 1630 | 2110 | 2020 | 4220 | 523 | 312 | 939 | 370 |
| MIN | 25 | 35 | 899 | 482 | 436 | 596 | 603 | 594 | 50 | 45 | 30 | 145 |
| AC-FT | 3060 | 15900 | 148000 | 43350 | 59340 | 78200 | 75070 | 144600 | 8370 | 5010 | 27860 | 14710 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 312260 | MEAN | 856 | MAX | 4790 | MIN | 15 | AC-FT | 619400 |
| WTR YR 1984 | TOTAL | 314290 | MEAN | 859 | MAX | 4220 | MIN | 25 | AC-FT | 623400 |

## 07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, AR

LOCATION.--Lat 34°26'00", long 91°03'11", in SW 1/4 NW 1/4 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, Ark.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1430 | 9 | 9827 | 9827 | 6.6 | 27.0 | 19.0 | 25 | .0 | 7.6 |
| 21... | 1115 | 9 | 9827 | 9827 | 6.6 | 19.0 | 14.0 | 30 | 8.5 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1320 | 9 | 9827 | 9827 | 6.7 | 6.0 | 2.0 | 200 | 12.4 | 2.9 |
| FEB | | | | | | | | | | |
| 28... | 1140 | 9 | 9827 | 9827 | 6.8 | 4.0 | 6.0 | 80 | 10.8 | 1.7 |
| MAR | | | | | | | | | | |
| 27... | 1400 | 9 | 9827 | 9827 | 7.0 | 20.0 | 16.0 | 60 | 7.8 | 1.6 |
| APR | | | | | | | | | | |
| 17... | 1120 | 9 | 9827 | 9827 | 7.1 | 19.0 | 17.0 | 50 | 9.3 | 1.7 |
| MAY | | | | | | | | | | |
| 08... | 1045 | 9 | 9827 | 9827 | 6.6 | 13.0 | 18.0 | 160 | -- | 2.9 |
| JUN | | | | | | | | | | |
| 19... | 1130 | 9 | 9827 | 9827 | 7.2 | 29.0 | 27.0 | 30 | 1.0 | 1.3 |
| JUL | | | | | | | | | | |
| 31... | 1145 | 9 | 9827 | 9827 | 7.0 | 26.0 | 24.0 | 9.0 | 5.1 | .9 |
| AUG | | | | | | | | | | |
| 28... | 1200 | 9 | 9827 | 9827 | 7.4 | 28.0 | 27.0 | 7.0 | 4.7 | .5 |
| SEP | | | | | | | | | | |
| 25... | 1135 | 9 | 9827 | 9827 | 7.4 | 23.0 | 24.0 | 3.0 | 2.8 | 1.2 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1430 | 120 | 6.0 | 7.5 | 129 | .18 | 32 | .01 | .060 | -- |
| 21... | 1115 | 220 | 7.0 | 7.0 | 127 | .17 | 34 | .02 | -- | .880 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1320 | 80 | 8.0 | 7.0 | 163 | .22 | 94 | .47 | .320 | .400 |
| FEB | | | | | | | | | | |
| 28... | 1140 | 80 | 6.0 | 9.0 | 158 | .21 | -- | .40 | .350 | .250 |
| MAR | | | | | | | | | | |
| 27... | 1400 | 60 | 5.0 | 6.0 | 128 | .17 | 16 | .06 | .120 | .210 |
| APR | | | | | | | | | | |
| 17... | 1120 | 40 | 3.0 | 3.0 | 123 | .17 | 10 | .04 | .060 | .240 |
| MAY | | | | | | | | | | |
| 08... | 1045 | 440 | 6.0 | 3.0 | 157 | .21 | 88 | .22 | -- | .380 |
| JUN | | | | | | | | | | |
| 19... | 1130 | 40 | 4.0 | 12 | 132 | .18 | 20 | .16 | .190 | -- |
| JUL | | | | | | | | | | |
| 31... | 1145 | 280 | 27 | 17 | 172 | .23 | 10 | .09 | .030 | .100 |
| AUG | | | | | | | | | | |
| 28... | 1200 | 280 | 7.0 | 22 | 190 | .26 | 8 | .12 | <.010 | .100 |
| SEP | | | | | | | | | | |
| 25... | 1135 | 64 | 2.0 | 40 | 255 | .35 | 35 | .01 | <.010 | .070 |

WHITE RIVER BASIN

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1430 | .260 | <5 | 0 | 3 | 15 | 14 | <5 | 30 |
| 21... | 1115 | .500 | -- | 0 | 2 | <10 | 9 | -- | 30 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1320 | .170 | -- | 0 | 6 | <10 | 10 | -- | 50 |
| FEB | | | | | | | | | |
| 28... | 1140 | .160 | <5 | 0 | 3 | 16 | 11 | <5 | -- |
| MAR | | | | | | | | | |
| 27... | 1400 | .180 | -- | 0 | <1 | 31 | -- | -- | 40 |
| APR | | | | | | | | | |
| 17... | 1120 | .170 | <5 | 0 | 2 | 27 | 9 | <5 | 60 |
| MAY | | | | | | | | | |
| 08... | 1045 | .260 | -- | 0 | <1 | -- | 10 | -- | -- |
| JUN | | | | | | | | | |
| 19... | 1130 | .110 | -- | 0 | <1 | 20 | 16 | -- | 60 |
| JUL | | | | | | | | | |
| 31... | 1145 | .030 | <5 | 0 | <1 | 10 | 5 | <5 | -- |
| AUG | | | | | | | | | |
| 28... | 1200 | .070 | -- | 0 | <1 | 13 | 4 | -- | 30 |
| SEP | | | | | | | | | |
| 25... | 1135 | .050 | -- | 0 | <1 | 21 | 8 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 21... | 1115 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1320 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 17... | 1120 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| AUG | | | | | | | | | |
| 28... | 1200 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, AR

LOCATION.--Lat 36°24'26", long 94°12'46", in NW 1/4 SE 1/4, 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 September 1984

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1330 | 9 | 9827 | 9827 | 7.4 | 10.0 | 17.0 | 8.0 | 5.8 |
| DEC | | | | | | | | | |
| 06... | 1010 | 9 | 9827 | 9827 | 7.5 | 2.0 | 3.0 | 6.0 | 7.8 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1319 | 9 | 9827 | 9827 | 7.5 | -1.0 | 5.0 | 15 | 8.6 |
| FEB | | | | | | | | | |
| 07... | 0918 | 9 | 9827 | 9827 | 7.4 | 1.0 | 3.0 | 5.0 | -- |
| MAR | | | | | | | | | |
| 06... | -- | 9 | 9827 | 9827 | 7.3 | -6.0 | 5.0 | 6.0 | 9.3 |
| APR | | | | | | | | | |
| 17... | 0747 | 9 | 9827 | 9827 | 7.5 | 6.0 | 10.0 | 3.0 | 8.5 |
| MAY | | | | | | | | | |
| 08... | 1200 | 9 | 9827 | 9827 | 7.3 | 16.0 | 14.0 | 5.8 | 6.8 |
| JUN | | | | | | | | | |
| 12... | 0825 | 9 | 9827 | 9827 | 7.6 | 22.0 | 18.0 | 2.6 | 2.5 |
| JUL | | | | | | | | | |
| 24... | 0626 | 9 | 9827 | 9827 | 7.4 | 17.0 | 21.0 | 5.4 | 1.0 |
| AUG | | | | | | | | | |
| 21... | 1054 | 9 | 9827 | 9827 | 7.4 | 27.0 | 23.0 | 6.0 | 1.4 |
| SEP | | | | | | | | | |
| 18... | 0927 | 9 | 9827 | 9827 | 7.5 | 17.0 | 16.0 | 6.0 | 2.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1330 | 4.7 | -- | 35 | 40 | 333 | .45 | 15 | 4.4 |
| DEC | | | | | | | | | |
| 06... | 1010 | -- | >600 | 22 | 21 | 267 | .36 | 10 | 4.2 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1319 | -- | >600 | 35 | 38 | 316 | .43 | 29 | 2.6 |
| FEB | | | | | | | | | |
| 07... | 0918 | 11 | >600 | 42 | 39 | 310 | .42 | 10 | 1.7 |
| MAR | | | | | | | | | |
| 06... | -- | 10 | >600 | 18 | 15 | 220 | .30 | 12 | 4.0 |
| APR | | | | | | | | | |
| 17... | 0747 | 4.4 | >600 | 16 | 14 | 230 | .31 | 6 | 3.7 |
| MAY | | | | | | | | | |
| 08... | 1200 | 5.6 | 1800 | 15 | 12 | 204 | .28 | 11 | 2.9 |
| JUN | | | | | | | | | |
| 12... | 0825 | 5.6 | 1200 | 24 | 24 | 269 | .37 | 2 | 2.3 |
| JUL | | | | | | | | | |
| 24... | 0626 | 7.9 | >600 | 31 | 33 | 281 | .38 | 10 | .21 |
| AUG | | | | | | | | | |
| 21... | 1054 | -- | 2100 | 26 | 40 | 328 | .45 | 10 | .43 |
| SEP | | | | | | | | | |
| 18... | 0927 | -- | 3600 | 33 | 38 | 322 | .44 | 12 | 2.5 |

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1330 | -- | 7.70 | -- | 0 | 8 | <10 | 2 | 20 |
| DEC | | | | | | | | | |
| 06... | 1010 | 4.00 | 2.30 | 1.20 | 0 | 2 | <10 | 11 | 30 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1319 | 8.60 | 6.40 | 4.05 | 0 | 3 | 18 | -- | 30 |
| FEB | | | | | | | | | |
| 07... | 0918 | -- | 5.30 | 4.70 | 3 | 1 | 18 | 11 | 60 |
| MAR | | | | | | | | | |
| 06... | -- | -- | 1.80 | 1.40 | 10 | <1 | 22 | -- | 160 |
| APR | | | | | | | | | |
| 17... | 0747 | 1.95 | 1.66 | 1.45 | 2 | 2 | 20 | 41 | 40 |
| MAY | | | | | | | | | |
| 08... | 1200 | .760 | .840 | .780 | 0 | <1 | -- | -- | -- |
| JUN | | | | | | | | | |
| 12... | 0825 | 4.35 | -- | 1.95 | 1 | <1 | 16 | 9 | 40 |
| JUL | | | | | | | | | |
| 24... | 0626 | 9.80 | 8.70 | 8.90 | 2 | 3 | <10 | 14 | 40 |
| AUG | | | | | | | | | |
| 21... | 1054 | 15.2 | 11.8 | 10.2 | 1 | 3 | 11 | 9 | 20 |
| SEP | | | | | | | | | |
| 18... | 0927 | 10.3 | 6.60 | 6.00 | 1 | 3 | 12 | 12 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 0626 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR

LOCATION.--Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft 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 $mi^2$, at State line.

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1315 | 9 | 9827 | 9827 | 3.0 | 7.9 | 22.0 | 18.5 | 1.0 | 9.1 |
| NOV | | | | | | | | | | |
| 15... | 1230 | 9 | 9827 | 9827 | 4.6 | 7.9 | 12.0 | 11.0 | .80 | 11.3 |
| DEC | | | | | | | | | | |
| 06... | 1100 | 9 | 9827 | 9827 | 8.2 | 8.0 | 9.0 | 7.0 | 2.0 | 11.1 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1232 | 9 | 9827 | 9827 | 8.6 | 8.0 | .0 | 4.0 | 1.0 | 14.4 |
| FEB | | | | | | | | | | |
| 07... | 1002 | 9 | 9827 | 9827 | 4.5 | 7.9 | 7.0 | 3.0 | 2.0 | -- |
| MAR | | | | | | | | | | |
| 06... | 0746 | 9 | 9827 | 9827 | 54 | 7.7 | -2.0 | 6.0 | 2.8 | 11.3 |
| APR | | | | | | | | | | |
| 17... | 0831 | 9 | 9827 | 9827 | 35 | 8.0 | 10.0 | 10.0 | 1.5 | 11.3 |
| MAY | | | | | | | | | | |
| 08... | 1243 | 9 | 9827 | 9827 | 31 | 7.9 | 15.0 | 16.0 | 1.5 | 11.5 |
| JUN | | | | | | | | | | |
| 12... | 0910 | 9 | 9827 | 9827 | 15 | 7.9 | 24.0 | 21.0 | 2.0 | 7.5 |
| JUL | | | | | | | | | | |
| 24... | 0716 | 9 | 9827 | 9827 | 7.4 | 7.8 | 18.0 | 22.0 | 1.9 | 6.3 |
| AUG | | | | | | | | | | |
| 21... | 1007 | 9 | 9827 | 9827 | 3.3 | 7.8 | 26.0 | 24.0 | 1.5 | 6.3 |
| SEP | | | | | | | | | | |
| 18... | 1015 | 9 | 9827 | 9827 | 2.6 | 7.9 | 20.0 | 18.0 | 3.0 | 7.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1315 | 1.2 | 920 | 6.0 | 13 | 185 | .25 | 2 | .68 |
| NOV | | | | | | | | | |
| 15... | 1230 | .6 | 24 | 8.0 | 13 | 207 | .28 | <1 | 1.0 |
| DEC | | | | | | | | | |
| 06... | 1100 | 1.0 | 8 | 15 | 11 | 227 | .31 | 2 | 1.9 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1232 | .7 | 8 | 17 | 9.0 | 215 | .29 | 2 | 1.7 |
| FEB | | | | | | | | | |
| 07... | 1002 | 1.3 | 4 | 19 | 11 | 216 | .29 | 5 | 1.4 |
| MAR | | | | | | | | | |
| 06... | 0746 | 1.7 | 64 | 12 | 5.5 | 179 | .24 | 6 | 2.0 |
| APR | | | | | | | | | |
| 17... | 0831 | .5 | 10 | 10 | 4.0 | 169 | .23 | 2 | 1.6 |
| MAY | | | | | | | | | |
| 08... | 1243 | .5 | 60 | 10 | 6.0 | 172 | .23 | 2 | 1.3 |
| JUN | | | | | | | | | |
| 12... | 0910 | .4 | 190 | 14 | 6.5 | -- | -- | 9 | .96 |
| JUL | | | | | | | | | |
| 24... | 0716 | .9 | 250 | 9.0 | 8.5 | 154 | .21 | 4 | .62 |
| AUG | | | | | | | | | |
| 21... | 1007 | .6 | 110 | 5.0 | 8.0 | 187 | .25 | 1 | .62 |
| SEP | | | | | | | | | |
| 18... | 1015 | .6 | 4 | 7.0 | 12 | 200 | .27 | 4 | .61 |

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1315 | .010 | .030 | .020 | 0 | 1 | 12 | 3 | 30 |
| NOV | | | | | | | | | |
| 15... | 1230 | -- | .020 | -- | 0 | 1 | <10 | 3 | 20 |
| DEC | | | | | | | | | |
| 06... | 1100 | <.010 | .020 | .020 | 0 | 2 | <10 | 9 | 10 |
| 14... | 1130 | -- | -- | -- | -- | -- | -- | -- | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1232 | <.010 | .040 | .020 | 0 | 2 | 14 | -- | 30 |
| FEB | | | | | | | | | |
| 07... | 1002 | .060 | .030 | .040 | 2 | 1 | <10 | 11 | 30 |
| MAR | | | | | | | | | |
| 06... | 0746 | -- | .050 | <.010 | 9 | <1 | 29 | -- | 60 |
| APR | | | | | | | | | |
| 17... | 0831 | .030 | .030 | .020 | 2 | 2 | 21 | 11 | 20 |
| MAY | | | | | | | | | |
| 08... | 1243 | .010 | .060 | <.010 | -- | <1 | -- | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 0910 | .070 | -- | .030 | 1 | <1 | 16 | 12 | 30 |
| JUL | | | | | | | | | |
| 24... | 0716 | .020 | .050 | .050 | 1 | <1 | <10 | 8 | 350 |
| AUG | | | | | | | | | |
| 21... | 1007 | .010 | .030 | .030 | 1 | 2 | <10 | 7 | 200 |
| SEP | | | | | | | | | |
| 18... | 1015 | .080 | .060 | .060 | 1 | 3 | 23 | 12 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 0716 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR

LOCATION.--Lat 36°20'31", long 94°35'15", in SW 1/4 NE 1/4 sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi north of Cherokee City.

DRAINAGE AREA.--104 $mi^2$, at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1230 | 9 | 9827 | 9827 | 11 | 7.9 | 23.0 | 19.0 | 1.2 | 9.8 | 7 |
| NOV | | | | | | | | | | | |
| 15... | 1150 | 9 | 9827 | 9827 | 24 | 7.9 | 14.0 | 13.0 | .90 | 10.5 | 3 |
| DEC | | | | | | | | | | | |
| 06... | 1140 | 9 | 9827 | 9827 | 38 | 7.9 | 7.0 | 10.0 | 1.0 | 12.5 | 1 |
| JAN, 1984 | | | | | | | | | | | |
| 10... | 1154 | 9 | 9827 | 9827 | 28 | 7.9 | 4.0 | 7.0 | 1.0 | 12.6 | 4 |
| FEB | | | | | | | | | | | |
| 07... | 1043 | 9 | 9827 | 9827 | 22 | 7.9 | 12.0 | 6.0 | 1.0 | -- | 3 |
| MAR | | | | | | | | | | | |
| 06... | 0837 | 9 | 9827 | 9827 | 310 | 7.5 | 2.0 | 8.0 | 3.0 | 10.7 | 5 |
| APR | | | | | | | | | | | |
| 17... | 0909 | 9 | 9827 | 9827 | 176 | 7.8 | 16.0 | 12.0 | 2.0 | 10.9 | <1 |
| MAY | | | | | | | | | | | |
| 08... | 1327 | 9 | 9827 | 9827 | 162 | 7.8 | 17.0 | 16.0 | 2.4 | 11.4 | 7 |
| JUN | | | | | | | | | | | |
| 12... | 0954 | 9 | 9827 | 9827 | 62 | 7.8 | 28.0 | 18.0 | 1.8 | 9.3 | 4 |
| JUL | | | | | | | | | | | |
| 24... | 0814 | 9 | 9827 | 9827 | 21 | 7.7 | 22.0 | 20.0 | 1.8 | 6.7 | -- |
| AUG | | | | | | | | | | | |
| 21... | 0927 | 9 | 9827 | 9827 | 18 | 7.8 | 24.0 | 21.0 | 1.5 | 7.7 | 4 |
| SEP | | | | | | | | | | | |
| 18... | 1100 | 9 | 9827 | 9827 | 14 | 7.9 | 21.0 | 18.0 | 2.0 | 8.0 | 5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1230 | 1.4 | 12 | 3.0 | 15 | 181 | .25 | 2 | 1.3 | .020 |
| NOV | | | | | | | | | | |
| 15... | 1150 | .9 | 12 | 1.0 | 15 | 191 | .26 | 1 | 1.5 | -- |
| DEC | | | | | | | | | | |
| 06... | 1140 | .7 | 12 | 7.0 | 15 | 182 | .25 | 1 | 1.7 | <.010 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1154 | .5 | <4 | 8.0 | 16 | 185 | .25 | 1 | 2.0 | <.010 |
| FEB | | | | | | | | | | |
| 07... | 1043 | 1.3 | <4 | 6.0 | 15 | 191 | .26 | 4 | 2.6 | <.010 |
| MAR | | | | | | | | | | |
| 06... | 0837 | 1.1 | 240 | 6.0 | 8.5 | 151 | .21 | 4 | 3.8 | -- |
| APR | | | | | | | | | | |
| 17... | 0909 | .3 | <10 | 5.0 | 7.0 | 151 | .21 | 4 | 3.3 | .050 |
| MAY | | | | | | | | | | |
| 08... | 1327 | 1.1 | 1500 | 9.0 | 8.5 | 148 | .20 | 2 | 2.5 | .030 |
| JUN | | | | | | | | | | |
| 12... | 0954 | .9 | 64 | 7.0 | 11 | 170 | .23 | 12 | 2.0 | .030 |
| JUL | | | | | | | | | | |
| 24... | 0814 | .9 | 20 | 8.0 | 11 | 186 | .25 | 5 | 2.0 | .010 |
| AUG | | | | | | | | | | |
| 21... | 0927 | 1.3 | 28 | 5.0 | 12 | 187 | .25 | 2 | 1.9 | .020 |
| SEP | | | | | | | | | | |
| 18... | 1100 | .5 | 28 | 5.0 | 13 | 204 | .28 | 4 | 2.0 | .050 |

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1230 | <.10 | -- | -- | .080 | .080 | 0 | 5 | <10 | 3 |
| NOV | | | | | | | | | | |
| 15... | 1150 | -- | -- | -- | .100 | -- | 0 | 2 | <10 | 4 |
| DEC | | | | | | | | | | |
| 06... | 1140 | .40 | 2.1 | 9.3 | .100 | .090 | 0 | 1 | <10 | 9 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1154 | 2.3 | 4.3 | 19 | .140 | .100 | 0 | 2 | 11 | -- |
| FEB | | | | | | | | | | |
| 07... | 1043 | .50 | 3.1 | 14 | .080 | .090 | 2 | <1 | <10 | 8 |
| MAR | | | | | | | | | | |
| 06... | 0837 | .90 | 4.7 | 21 | .090 | .030 | 3 | <1 | <10 | -- |
| APR | | | | | | | | | | |
| 17... | 0909 | -- | -- | -- | .060 | .050 | 1 | <1 | <10 | 20 |
| MAY | | | | | | | | | | |
| 08... | 1327 | <.10 | -- | -- | .090 | .040 | -- | <1 | -- | 5 |
| JUN | | | | | | | | | | |
| 12... | 0954 | <.10 | -- | -- | -- | .040 | 0 | <1 | 12 | 6 |
| JUL | | | | | | | | | | |
| 24... | 0814 | -- | -- | -- | .090 | .090 | 0 | <1 | <10 | 10 |
| AUG | | | | | | | | | | |
| 21... | 0927 | -- | -- | -- | .080 | .090 | 0 | 2 | <10 | 3 |
| SEP | | | | | | | | | | |
| 18... | 1100 | -- | -- | -- | .110 | .100 | 0 | 2 | 10 | 5 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1230 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 15... | 1150 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 06... | 1140 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1154 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 1043 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 0837 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 17... | 0909 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 12... | 0954 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 24... | 0814 | 600 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 0927 | 50 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07194800 ILLINOIS RIVER AT SAVOY, AR

LOCATION.--Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 $mi^2$.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0830 | 9 | 9827 | 9827 | 4.2 | 7.6 | 17.0 | 17.0 | 3.2 | 5.8 |
| NOV | | | | | | | | | | |
| 15... | 0820 | 9 | 9827 | 9827 | 9.0 | 7.7 | 12.0 | 9.0 | 2.0 | 8.4 |
| DEC | | | | | | | | | | |
| 06... | 0926 | 9 | 9827 | 9827 | 49 | 7.6 | 2.0 | 6.0 | 4.0 | 10.1 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0918 | 9 | 9827 | 9827 | 24 | 7.6 | -3.0 | 1.0 | 2.0 | 12.1 |
| FEB | | | | | | | | | | |
| 07... | 1221 | 9 | 9827 | 9827 | 15 | 7.9 | 15.0 | 4.0 | 3.0 | -- |
| MAR | | | | | | | | | | |
| 06... | 1014 | 9 | 9827 | 9827 | 311 | 7.3 | 4.0 | 7.0 | 25 | 11.6 |
| APR | | | | | | | | | | |
| 17... | 1047 | 9 | 9827 | 9827 | 165 | 7.7 | 14.0 | 12.0 | 6.0 | 10.5 |
| MAY | | | | | | | | | | |
| 08... | 1510 | 9 | 9827 | 9827 | 605 | 7.2 | 18.0 | 17.0 | 35 | 8.9 |
| JUN | | | | | | | | | | |
| 12... | 1147 | 9 | 9827 | 9827 | 71 | 7.8 | 26.0 | 24.0 | 7.0 | 7.8 |
| JUL | | | | | | | | | | |
| 24... | 0948 | 9 | 9827 | 9827 | 30 | 7.7 | 26.0 | 24.0 | 4.8 | 7.2 |
| AUG | | | | | | | | | | |
| 21... | 0747 | 9 | 9827 | 9827 | 34 | 7.5 | 23.0 | 25.0 | 4.5 | 4.6 |
| SEP | | | | | | | | | | |
| 18... | 1231 | 9 | 9827 | 9827 | 22 | 8.0 | 25.0 | 19.0 | 5.0 | 9.6 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0830 | 1.7 | 240 | <1.0 | 13 | 170 | .23 | 4 | .25 |
| NOV | | | | | | | | | |
| 15... | 0820 | .9 | -- | <1.0 | 14 | 198 | .27 | 1 | .66 |
| DEC | | | | | | | | | |
| 06... | 0926 | 2.3 | 110 | 12 | 14 | 200 | .27 | 4 | 4.4 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0918 | 1.4 | 20 | 18 | 13 | 174 | .24 | 4 | 2.0 |
| FEB | | | | | | | | | |
| 07... | 1221 | 2.0 | 4 | 23 | 13 | 181 | .25 | 4 | 1.5 |
| MAR | | | | | | | | | |
| 06... | 1014 | 2.1 | 360 | 12 | 6.5 | 118 | .16 | 27 | 2.6 |
| APR | | | | | | | | | |
| 17... | 1047 | .9 | 40 | 11 | 7.5 | 151 | .21 | 9 | 2.9 |
| MAY | | | | | | | | | |
| 08... | 1510 | 2.3 | 5700 | 10 | 5.5 | 107 | .15 | 42 | 1.3 |
| JUN | | | | | | | | | |
| 12... | 1147 | 1.5 | 170 | 11 | 11 | 183 | .25 | 8 | 1.9 |
| JUL | | | | | | | | | |
| 24... | 0948 | 2.1 | 160 | 8.0 | 11 | 170 | .23 | 10 | .74 |
| AUG | | | | | | | | | |
| 21... | 0747 | 1.2 | 68 | 4.0 | 10 | 173 | .24 | 8 | .62 |
| SEP | | | | | | | | | |
| 18... | 1231 | 3.7 | 110 | 4.0 | 17 | 182 | .25 | 8 | .38 |

ARKANSAS RIVER BASIN

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0830 | .040 | .040 | .010 | 0 | <1 | <10 | <1 | 0 |
| NOV | | | | | | | | | |
| 15... | 0820 | -- | .040 | -- | 0 | <1 | <10 | 1 | 0 |
| DEC | | | | | | | | | |
| 06... | 0926 | .040 | .980 | .860 | 0 | 2 | <10 | 12 | 30 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0918 | .430 | .260 | .090 | 0 | <1 | 10 | -- | 40 |
| FEB | | | | | | | | | |
| 07... | 1221 | .050 | .100 | .070 | 2 | <1 | 13 | 6 | 30 |
| MAR | | | | | | | | | |
| 06... | 1014 | -- | .140 | .060 | 2 | <1 | 17 | -- | 30 |
| APR | | | | | | | | | |
| 17... | 1047 | .060 | .080 | .040 | 2 | 1 | 14 | 15 | 20 |
| MAY | | | | | | | | | |
| 08... | 1510 | .100 | .160 | .100 | 2 | 2 | -- | -- | -- |
| JUN | | | | | | | | | |
| 12... | 1147 | .040 | -- | .020 | 1 | <1 | 11 | 8 | 10 |
| JUL | | | | | | | | | |
| 24... | 0948 | .070 | .070 | .030 | 1 | <1 | <10 | 8 | 10 |
| AUG | | | | | | | | | |
| 21... | 0747 | .070 | .070 | .040 | 2 | <1 | <10 | 9 | 30 |
| SEP | | | | | | | | | |
| 18... | 1231 | .050 | .070 | .040 | 0 | 1 | 16 | 7 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 18... | 1231 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR

LOCATION.--Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi 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.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0730 | 9 | 9827 | 9827 | 7.7 | 13.0 | 17.0 | 6.0 | 6.8 | 1.8 |
| NOV | | | | | | | | | | |
| 15... | 1430 | 9 | 9827 | 9827 | 7.9 | 11.0 | 11.0 | 2.0 | 11.0 | 2.1 |
| DEC | | | | | | | | | | |
| 06... | 1450 | 9 | 9827 | 9827 | 7.7 | 4.0 | 7.0 | 2.0 | 10.9 | .9 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0724 | 9 | 9827 | 9827 | 7.5 | -3.0 | 4.0 | 3.0 | 9.0 | 3.4 |
| FEB | | | | | | | | | | |
| 07... | 0828 | 9 | 9827 | 9827 | 7.6 | -2.0 | 3.0 | 3.0 | -- | 4.2 |
| MAR | | | | | | | | | | |
| 06... | 1350 | 9 | 9827 | 9827 | 7.5 | 10.0 | 10.0 | 15 | 10.5 | 3.8 |
| APR | | | | | | | | | | |
| 17... | 0705 | 9 | 9827 | 9827 | 7.7 | 10.0 | 10.0 | 4.0 | 9.0 | 1.7 |
| MAY | | | | | | | | | | |
| 08... | 1052 | 9 | 9827 | 9827 | 7.3 | 21.0 | 14.0 | 25 | 8.4 | 3.4 |
| JUN | | | | | | | | | | |
| 12... | 0745 | 9 | 9827 | 9827 | 7.5 | 26.0 | 20.0 | 6.5 | 6.9 | 3.0 |
| JUL | | | | | | | | | | |
| 24... | 0537 | 9 | 9827 | 9827 | 7.6 | 18.0 | 21.0 | 5.8 | 5.4 | 2.8 |
| AUG | | | | | | | | | | |
| 21... | 1131 | 9 | 9827 | 9827 | 7.7 | 29.0 | 24.0 | 5.0 | 6.8 | 2.1 |
| SEP | | | | | | | | | | |
| 18... | 0841 | 9 | 9827 | 9827 | 7.8 | 15.0 | 16.0 | 20 | 6.5 | 3.2 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0730 | 400 | 12 | 18 | 228 | .31 | 12 | 6.0 | .010 |
| NOV | | | | | | | | | |
| 15... | 1430 | -- | 11 | 19 | 235 | .32 | 3 | 4.5 | -- |
| DEC | | | | | | | | | |
| 06... | 1450 | 180 | 22 | 11 | 182 | .25 | 6 | 1.7 | .240 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0724 | 20 | 19 | 19 | 229 | .31 | 6 | 2.5 | 1.65 |
| FEB | | | | | | | | | |
| 07... | 0828 | 36 | 24 | 25 | 241 | .33 | 5 | 4.5 | 1.05 |
| MAR | | | | | | | | | |
| 06... | 1350 | 210 | 9.0 | 10 | 164 | .22 | 21 | 5.1 | -- |
| APR | | | | | | | | | |
| 17... | 0705 | 95 | 6.0 | 9.5 | 178 | .24 | 12 | 5.4 | .130 |
| MAY | | | | | | | | | |
| 08... | 1052 | 9500 | 10 | 8.0 | 165 | .22 | 21 | 3.7 | .170 |
| JUN | | | | | | | | | |
| 12... | 0745 | 470 | 14 | 16 | 208 | .28 | 12 | 5.1 | .010 |
| JUL | | | | | | | | | |
| 24... | 0537 | 580 | 17 | 17 | 210 | .29 | 18 | 6.0 | .220 |
| AUG | | | | | | | | | |
| 21... | 1131 | 620 | 28 | 18 | 230 | .31 | 13 | 2.9 | .080 |
| SEP | | | | | | | | | |
| 18... | 0841 | 420 | 17 | 22 | 251 | .34 | 18 | 6.1 | .160 |

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0730 | 1.75 | 1.50 | -- | 0 | <1 | <10 | 2 | 30 |
| NOV | | | | | | | | | |
| 15... | 1430 | 1.66 | -- | -- | 0 | 11 | <10 | 3 | 20 |
| DEC | | | | | | | | | |
| 06... | 1450 | .160 | .070 | -- | 0 | 2 | 10 | 5 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 0724 | 2.00 | 1.50 | 0 | 0 | 1 | 17 | -- | 100 |
| FEB | | | | | | | | | |
| 07... | 0828 | 1.48 | 1.00 | -- | 4 | 1 | 30 | 28 | 70 |
| MAR | | | | | | | | | |
| 06... | 1350 | .460 | .350 | -- | 1 | <1 | <10 | -- | 50 |
| APR | | | | | | | | | |
| 17... | 0705 | .470 | .390 | -- | 4 | 3 | 19 | 35 | 80 |
| MAY | | | | | | | | | |
| 08... | 1052 | .390 | .350 | -- | 0 | 1 | -- | -- | -- |
| JUN | | | | | | | | | |
| 12... | 0745 | -- | -- | -- | 1 | <1 | 22 | 5 | 40 |
| JUL | | | | | | | | | |
| 24... | 0537 | 7.50 | 1.30 | -- | 2 | <1 | 15 | 9 | 40 |
| AUG | | | | | | | | | |
| 21... | 1131 | 1.70 | 1.70 | -- | 0 | <1 | <10 | 5 | 10 |
| SEP | | | | | | | | | |
| 18... | 0841 | 2.05 | 1.85 | -- | 1 | 2 | 10 | 18 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 0537 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR

LOCATION.--Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi downstream from Osage Creek, and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 $mi^2$.

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1035 | 9 | 9827 | 9827 | 76 | 7.7 | 25.0 | 19.0 | 7.0 | 8.2 |
| NOV | | | | | | | | | | |
| 15... | 1020 | 9 | 9827 | 9827 | 98 | 7.8 | 13.0 | 10.0 | 2.8 | 10.2 |
| DEC | | | | | | | | | | |
| 06... | 1426 | 9 | 9827 | 9827 | 255 | 7.7 | 5.0 | 8.0 | 4.0 | 10.9 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1047 | 9 | 9827 | 9827 | 130 | 7.8 | -2.0 | 4.0 | 1.0 | 12.8 |
| FEB | | | | | | | | | | |
| 07... | 1154 | 9 | 9827 | 9827 | -- | 8.0 | 15.0 | 5.0 | 2.0 | -- |
| MAR | | | | | | | | | | |
| 06... | 0947 | 9 | 9827 | 9827 | 1350 | 7.3 | 3.0 | 8.0 | 30 | 10.1 |
| APR | | | | | | | | | | |
| 17... | 1020 | 9 | 9827 | 9827 | 340 | 7.7 | 14.0 | 12.0 | 6.0 | 9.7 |
| MAY | | | | | | | | | | |
| 08... | 1444 | 9 | 9827 | 9827 | 1850 | 7.2 | 19.0 | 17.0 | 40 | 8.0 |
| JUN | | | | | | | | | | |
| 12... | 1117 | 9 | 9827 | 9827 | 225 | 7.8 | 27.0 | 24.0 | 5.0 | 7.7 |
| JUL | | | | | | | | | | |
| 24... | 0925 | 9 | 9827 | 9827 | 100 | 7.7 | 24.0 | 23.0 | 6.5 | 7.1 |
| AUG | | | | | | | | | | |
| 21... | 0814 | 9 | 9827 | 9827 | 88 | 7.7 | 24.0 | 25.0 | 6.5 | 5.8 |
| SEP | | | | | | | | | | |
| 18... | 1211 | 9 | 9827 | 9827 | 77 | 8.0 | 23.0 | 19.0 | 5.0 | 9.0 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1035 | 1.4 | 220 | 7.0 | 17 | 186 | .25 | 10 | 2.1 |
| NOV | | | | | | | | | |
| 15... | 1020 | 1.0 | -- | 8.0 | 16 | 194 | .26 | 4 | 2.1 |
| DEC | | | | | | | | | |
| 06... | 1426 | 1.1 | 52 | 14 | 12 | 184 | .25 | 4 | 2.3 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1047 | 1.1 | 4 | 13 | 16 | 180 | .24 | 2 | 1.8 |
| FEB | | | | | | | | | |
| 07... | 1154 | 2.0 | 4 | 14 | 19 | 194 | .26 | 6 | 2.5 |
| MAR | | | | | | | | | |
| 06... | 0947 | 2.4 | 480 | 10 | 8.0 | 142 | .19 | 36 | 3.4 |
| APR | | | | | | | | | |
| 17... | 1020 | 1.2 | 30 | 8.0 | 7.5 | 157 | .21 | 12 | 3.7 |
| MAY | | | | | | | | | |
| 08... | 1444 | 2.8 | 10000 | 9.0 | 6.0 | 126 | .17 | 50 | 1.6 |
| JUN | | | | | | | | | |
| 12... | 1117 | .6 | 84 | 10 | 12 | 173 | .24 | 7 | 2.4 |
| JUL | | | | | | | | | |
| 24... | 0925 | 1.2 | 76 | 15 | 13 | 178 | .24 | 16 | 2.4 |
| AUG | | | | | | | | | |
| 21... | 0814 | .9 | 110 | 11 | 14 | 181 | .25 | 13 | 2.6 |
| SEP | | | | | | | | | |
| 18... | 1211 | 1.6 | 40 | 10 | 16 | 201 | .27 | 11 | 2.2 |

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1035 | .020 | .540 | .500 | 0 | 2 | 16 | 3 | 30 |
| NOV | | | | | | | | | |
| 15... | 1020 | -- | .450 | -- | 0 | <1 | 11 | 3 | 10 |
| DEC | | | | | | | | | |
| 06... | 1426 | .040 | .300 | .250 | 0 | 1 | <10 | 4 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1047 | .460 | .520 | .340 | 0 | <1 | <10 | -- | 40 |
| FEB | | | | | | | | | |
| 07... | 1154 | .030 | .420 | .410 | 3 | <1 | 17 | 9 | 50 |
| MAR | | | | | | | | | |
| 06... | 0947 | -- | .240 | .120 | 2 | <1 | 11 | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1020 | .060 | .170 | .140 | 1 | 1 | 13 | 17 | 20 |
| MAY | | | | | | | | | |
| 08... | 1444 | .120 | .240 | .150 | 2 | 2 | -- | -- | -- |
| JUN | | | | | | | | | |
| 12... | 1117 | .010 | -- | .260 | 0 | <1 | 17 | 11 | 20 |
| JUL | | | | | | | | | |
| 24... | 0925 | .050 | .520 | .490 | 0 | <1 | <10 | 9 | 60 |
| AUG | | | | | | | | | |
| 21... | 0814 | .020 | .570 | .550 | 1 | <1 | <10 | 7 | 10 |
| SEP | | | | | | | | | |
| 18... | 1211 | .050 | .690 | .610 | 0 | 2 | 15 | 11 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 21... | 0814 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07195800 FLINT CREEK AT SPRINGTOWN, AR

LOCATION.--Lat 36°15'20", long 94°25'50", in NW 1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Jan. 18 to Feb. 22, which are fair.

AVERAGE DISCHARGE.--23 years, 12.9 $ft^3/s$, 12.34 in/yr, 9,350 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.--Maximum discharge, 277 $ft^3/s$ Mar. 19, at 0130 hours, gage height, 5.70 ft, no other peak above base of 260 $ft^3/s$; minimum, 1.7 $ft^3/s$ Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.4 | 4.8 | 7.4 | 4.5 | 3.5 | 18 | 31 | 8.6 | 13 | 7.6 | 3.7 | 2.6 |
| 2 | 1.9 | 5.3 | 8.0 | 5.0 | 3.0 | 18 | 44 | 8.8 | 12 | 7.4 | 3.4 | 2.5 |
| 3 | 1.9 | 5.3 | 8.1 | 5.8 | 3.0 | 13 | 54 | 9.2 | 10 | 7.3 | 3.6 | 3.5 |
| 4 | 14 | 9.3 | 8.0 | 7.2 | 3.5 | 27 | 44 | 8.3 | 9.8 | 7.2 | 3.4 | 3.1 |
| 5 | 2.6 | 6.6 | 7.6 | 7.7 | 3.5 | 25 | 39 | 9.0 | 9.2 | 7.1 | 3.0 | 3.0 |
| 6 | 2.4 | 5.9 | 7.0 | 7.3 | 3.5 | 21 | 34 | 8.8 | 9.2 | 7.0 | 3.3 | 2.7 |
| 7 | 2.6 | 5.6 | 6.6 | 6.7 | 3.5 | 17 | 31 | 25 | 9.1 | 7.4 | 3.1 | 2.9 |
| 8 | 2.8 | 5.4 | 6.4 | 6.2 | 4.0 | 13 | 40 | 18 | 8.0 | 7.4 | 4.4 | 2.8 |
| 9 | 2.8 | 6.9 | 6.0 | 6.0 | 4.0 | 11 | 43 | 16 | 7.5 | 6.7 | 7.2 | 3.9 |
| 10 | 3.1 | 7.4 | 5.8 | 6.2 | 4.0 | 9.9 | 36 | 15 | 7.1 | 6.4 | 5.5 | 3.8 |
| 11 | 4.0 | 6.5 | 5.9 | 5.6 | 4.0 | 8.7 | 31 | 15 | 6.7 | 6.4 | 5.1 | 3.3 |
| 12 | 5.9 | 6.2 | 5.6 | 5.6 | 3.5 | 8.8 | 30 | 20 | 6.5 | 6.1 | 3.9 | 3.2 |
| 13 | 4.7 | 6.0 | 5.6 | 5.5 | 3.5 | 7.6 | 25 | 15 | 6.3 | 5.7 | 3.3 | 3.1 |
| 14 | 4.5 | 5.6 | 5.7 | 5.3 | 4.0 | 6.6 | 23 | 20 | 6.2 | 5.4 | 3.1 | 3.1 |
| 15 | 4.0 | 5.4 | 5.3 | 5.2 | 5.0 | 6.4 | 21 | 19 | 6.0 | 5.0 | 3.0 | 3.4 |
| 16 | 3.9 | 5.4 | 5.1 | 5.2 | 4.0 | 6.1 | 19 | 16 | 5.8 | 5.1 | 3.1 | 3.1 |
| 17 | 5.9 | 5.4 | 5.0 | 5.0 | 3.5 | 8.6 | 17 | 14 | 5.7 | 5.1 | 3.0 | 2.9 |
| 18 | 5.3 | 5.5 | 4.9 | 4.9 | 3.5 | 25 | 15 | 12 | 5.6 | 4.7 | 3.0 | 3.0 |
| 19 | 7.1 | 11 | 4.5 | 4.5 | 3.5 | 117 | 14 | 13 | 5.5 | 4.5 | 3.2 | 3.1 |
| 20 | 15 | 9.0 | 4.9 | 4.0 | 3.5 | 48 | 15 | 14 | 6.3 | 4.6 | 2.8 | 3.4 |
| 21 | 6.0 | 7.6 | 4.9 | 4.0 | 3.5 | 34 | 17 | 11 | 8.5 | 4.4 | 2.7 | 3.2 |
| 22 | 4.5 | 7.4 | 4.6 | 3.5 | 3.4 | 26 | 14 | 11 | 7.0 | 4.1 | 3.4 | 11 |
| 23 | 3.6 | 10 | 4.6 | 3.5 | 3.3 | 26 | 13 | 9.8 | 6.6 | 4.8 | 3.7 | 6.0 |
| 24 | 4.0 | 8.9 | 4.5 | 3.5 | 3.3 | 33 | 12 | 9.1 | 6.2 | 4.7 | 3.3 | 3.3 |
| 25 | 4.4 | 8.1 | 4.5 | 3.0 | 4.2 | 27 | 11 | 8.8 | 5.8 | 4.8 | 3.1 | 17 |
| 26 | 4.3 | 7.6 | 4.5 | 3.0 | 13 | 23 | 11 | 9.4 | 5.5 | 5.1 | 3.1 | 7.5 |
| 27 | 4.8 | 15 | 4.5 | 3.5 | 21 | 22 | 11 | 21 | 7.2 | 5.2 | 3.0 | 4.6 |
| 28 | 4.9 | 12 | 4.5 | 3.5 | 19 | 73 | 9.7 | 22 | 7.6 | 4.9 | 3.6 | 3.9 |
| 29 | 5.2 | 8.3 | 4.5 | 3.0 | 18 | 56 | 9.5 | 19 | 7.8 | 4.6 | 3.2 | 3.4 |
| 30 | 5.1 | 7.4 | 4.5 | 3.0 | --- | 41 | 9.1 | 17 | 8.0 | 4.4 | 2.9 | 3.2 |
| 31 | 4.8 | --- | 4.5 | 3.5 | --- | 35 | --- | 14 | --- | 3.9 | 2.8 | --- |
| TOTAL | 148.4 | 220.8 | 173.5 | 150.4 | 162.2 | 811.7 | 723.3 | 436.8 | 225.7 | 175.0 | 108.9 | 125.5 |
| MEAN | 4.79 | 7.36 | 5.60 | 4.85 | 5.59 | 26.2 | 24.1 | 14.1 | 7.52 | 5.65 | 3.51 | 4.18 |
| MAX | 15 | 15 | 8.1 | 7.7 | 21 | 117 | 54 | 25 | 13 | 7.6 | 7.2 | 17 |
| MIN | 1.9 | 4.8 | 4.5 | 3.0 | 3.0 | 6.1 | 9.1 | 8.3 | 5.5 | 3.9 | 2.7 | 2.5 |
| CFSM | .34 | .52 | .39 | .34 | .39 | 1.85 | 1.70 | .99 | .53 | .40 | .25 | .29 |
| IN. | .39 | .58 | .45 | .39 | .42 | 2.13 | 1.89 | 1.14 | .59 | .46 | .29 | .33 |
| AC-FT | 294 | 438 | 344 | 298 | 322 | 1610 | 1430 | 866 | 448 | 347 | 216 | 249 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 2590.4 | MEAN | 7.10 | MAX | 46 | MIN | 1.9 | CFSM | .50 | IN. | 6.79 | AC-FT | 5140 |
| WTR YR 1984 | TOTAL | 3462.2 | MEAN | 9.46 | MAX | 117 | MIN | 1.9 | CFSM | .67 | IN. | 9.07 | AC-FT | 6870 |

## 07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OK

LOCATION.--Lat 36°12'58", long 94°36'15", in NE 1/4 NE 1/4 sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--5 years, 21.1 $ft^3/s$, 15,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 775 $ft^3/s$ Jan. 30, 1982, gage height, 7.85 ft; minimum daily, 0.40 $ft^3/s$ Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 309 $ft^3/s$ Mar. 19, gage height, 5.88 ft; minimum daily, 3.2 $ft^3/s$ Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.2 | 5.0 | 15 | 12 | 4.2 | 33 | 108 | 32 | 44 | 13 | 7.7 | 7.1 |
| 2 | 3.2 | 5.2 | 14 | 12 | 4.2 | 32 | 120 | 30 | 40 | 13 | 7.7 | 7.1 |
| 3 | 3.2 | 5.9 | 15 | 12 | 4.2 | 30 | 179 | 29 | 36 | 13 | 8.0 | 7.6 |
| 4 | 9.6 | 4.8 | 16 | 14 | 4.3 | 64 | 142 | 28 | 33 | 13 | 8.0 | 7.7 |
| 5 | 6.1 | 5.2 | 16 | 10 | 4.5 | 82 | 118 | 29 | 30 | 12 | 7.8 | 7.6 |
| 6 | 7.2 | 7.2 | 16 | 8.3 | 4.5 | 65 | 101 | 28 | 29 | 11 | 7.8 | 6.8 |
| 7 | 5.4 | 7.8 | 18 | 7.7 | 4.5 | 52 | 92 | 41 | 28 | 11 | 8.1 | 6.6 |
| 8 | 4.2 | 8.2 | 18 | 8.2 | 4.9 | 44 | 122 | 50 | 25 | 11 | 8.0 | 6.5 |
| 9 | 4.2 | 7.1 | 15 | 9.4 | 4.9 | 38 | 160 | 45 | 24 | 11 | 11 | 11 |
| 10 | 4.0 | 7.8 | 14 | 11 | 4.9 | 33 | 133 | 40 | 22 | 11 | 12 | 9.8 |
| 11 | 4.5 | 7.2 | 14 | 10 | 4.9 | 30 | 114 | 38 | 20 | 12 | 9.2 | 7.3 |
| 12 | 6.4 | 6.9 | 14 | 7.8 | 4.7 | 29 | 103 | 41 | 19 | 11 | 7.9 | 7.0 |
| 13 | 5.0 | 6.9 | 13 | 6.4 | 4.7 | 28 | 91 | 32 | 18 | 11 | 7.4 | 6.8 |
| 14 | 4.3 | 6.3 | 14 | 5.7 | 4.7 | 24 | 81 | 35 | 17 | 11 | 7.9 | 6.8 |
| 15 | 4.2 | 5.4 | 13 | 5.5 | 5.0 | 22 | 75 | 34 | 16 | 10 | 7.5 | 6.8 |
| 16 | 4.0 | 5.5 | 12 | 5.5 | 4.3 | 21 | 68 | 38 | 15 | 9.7 | 6.8 | 6.8 |
| 17 | 4.5 | 5.6 | 12 | 5.0 | 4.0 | 29 | 63 | 35 | 15 | 11 | 6.8 | 7.1 |
| 18 | 5.2 | 4.8 | 12 | 4.8 | 4.0 | 40 | 59 | 31 | 14 | 12 | 6.5 | 7.6 |
| 19 | 6.0 | 5.4 | 12 | 4.0 | 4.0 | 267 | 53 | 28 | 15 | 12 | 6.3 | 7.3 |
| 20 | 26 | 7.9 | 7.8 | 3.8 | 3.9 | 178 | 52 | 31 | 21 | 12 | 6.3 | 7.0 |
| 21 | 24 | 8.4 | 6.4 | 3.6 | 3.8 | 128 | 58 | 29 | 26 | 11 | 6.3 | 7.1 |
| 22 | 16 | 7.1 | 6.2 | 3.6 | 3.8 | 102 | 52 | 28 | 25 | 11 | 7.5 | 7.4 |
| 23 | 12 | 7.2 | 5.9 | 3.6 | 3.8 | 93 | 50 | 24 | 20 | 12 | 7.7 | 7.7 |
| 24 | 9.8 | 7.6 | 5.3 | 3.5 | 3.8 | 126 | 48 | 22 | 17 | 12 | 6.7 | 7.7 |
| 25 | 7.5 | 7.7 | 8.8 | 3.9 | 3.8 | 114 | 45 | 21 | 15 | 11 | 6.9 | 18 |
| 26 | 7.1 | 7.2 | 12 | 4.2 | 13 | 99 | 44 | 22 | 14 | 12 | 7.3 | 17 |
| 27 | 7.4 | 13 | 12 | 4.2 | 45 | 87 | 41 | 42 | 14 | 14 | 7.5 | 15 |
| 28 | 7.4 | 18 | 14 | 4.2 | 45 | 196 | 36 | 97 | 14 | 13 | 8.0 | 11 |
| 29 | 7.2 | 20 | 13 | 4.2 | 37 | 219 | 35 | 66 | 13 | 12 | 7.9 | 9.2 |
| 30 | 6.5 | 16 | 12 | 4.2 | --- | 154 | 34 | 56 | 13 | 8.3 | 7.6 | 9.0 |
| 31 | 5.5 | --- | 12 | 4.2 | --- | 127 | --- | 49 | --- | 7.8 | 7.2 | --- |
| TOTAL | 230.8 | 238.3 | 388.4 | 206.5 | 248.3 | 2586 | 2477 | 1151 | 652 | 354.8 | 239.3 | 257.4 |
| MEAN | 7.45 | 7.94 | 12.5 | 6.66 | 8.56 | 83.4 | 82.6 | 37.1 | 21.7 | 11.4 | 7.72 | 8.58 |
| MAX | 26 | 20 | 18 | 14 | 45 | 267 | 179 | 97 | 44 | 14 | 12 | 18 |
| MIN | 3.2 | 4.8 | 5.3 | 3.5 | 3.8 | 21 | 34 | 21 | 13 | 7.8 | 6.3 | 6.5 |
| AC-FT | 458 | 473 | 770 | 410 | 493 | 5130 | 4910 | 2280 | 1290 | 704 | 475 | 511 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1984 | TOTAL | 6951.4 | MEAN | 19.0 | MAX | 124 | MIN | 3.2 | AC-FT | 13790 |
| WTR YR 1984 | TOTAL | 9029.8 | MEAN | 24.7 | MAX | 267 | MIN | 3.2 | AC-FT | 17910 |

## 07196900 BARON FORK AT DUTCH MILLS, AR

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--46.0 $mi^2$.

### 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. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Dec. 19 to Jan. 25, which are fair.

AVERAGE DISCHARGE.--26 years, 36.9 $ft^3/s$, 10.89 in/yr, 26,730 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,100 $ft^3/s$ July 13, 1972, gage height, 13.74 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 in 1963, 1967, 1980, and 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,630 $ft^3/s$ Mar. 19, at 0030 hours, gage height, 7.55 ft, no other peak above base of 2,000 $ft^3/s$; minimum, 0.16 $ft^3/s$ Oct. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .21 | 1.9 | 10 | 5.0 | 5.8 | 61 | 96 | 24 | 25 | 2.4 | 1.4 | 1.5 |
| 2 | .21 | 2.9 | 17 | 5.0 | 6.1 | 58 | 158 | 23 | 22 | 2.3 | 1.3 | 1.4 |
| 3 | .18 | 3.5 | 25 | 5.0 | 6.5 | 47 | 157 | 29 | 19 | 2.2 | 1.2 | 1.5 |
| 4 | .19 | 5.9 | 28 | 6.0 | 6.3 | 199 | 104 | 159 | 18 | 2.6 | 2.6 | 1.4 |
| 5 | .22 | 7.0 | 22 | 6.0 | 5.9 | 115 | 86 | 114 | 16 | 2.9 | 3.5 | 1.3 |
| 6 | .22 | 18 | 17 | 6.0 | 5.2 | 70 | 73 | 67 | 26 | 2.4 | 4.5 | 1.3 |
| 7 | .25 | 32 | 14 | 6.0 | 5.2 | 54 | 66 | 49 | 19 | 2.2 | 3.5 | 1.3 |
| 8 | .25 | 45 | 12 | 7.0 | 5.3 | 43 | 560 | 41 | 15 | 2.2 | 3.5 | 1.2 |
| 9 | .26 | 50 | 10 | 7.0 | 6.0 | 35 | 226 | 32 | 14 | 2.1 | 47 | 1.6 |
| 10 | .25 | 52 | 10 | 11 | 6.3 | 29 | 134 | 27 | 12 | 1.8 | 24 | 1.9 |
| 11 | .29 | 53 | 15 | 8.0 | 32 | 23 | 102 | 25 | 10 | 1.5 | 11 | 1.7 |
| 12 | .41 | 57 | 13 | 9.0 | 65 | 28 | 88 | 25 | 9.3 | 1.5 | 6.6 | 1.6 |
| 13 | .32 | 60 | 13 | 9.0 | 32 | 31 | 73 | 23 | 8.2 | 2.3 | 4.6 | 1.6 |
| 14 | .31 | 61 | 17 | 9.0 | 22 | 26 | 62 | 23 | 7.2 | 1.9 | 3.7 | 7.8 |
| 15 | .32 | 62 | 15 | 9.0 | 18 | 25 | 57 | 22 | 6.4 | 1.6 | 3.8 | 13 |
| 16 | .37 | 62 | 13 | 8.0 | 16 | 32 | 52 | 22 | 5.6 | 1.5 | 3.5 | 2.6 |
| 17 | 5.7 | 64 | 12 | 8.0 | 15 | 92 | 47 | 20 | 4.6 | 1.6 | 3.2 | 1.5 |
| 18 | 1.9 | 67 | 11 | 8.0 | 13 | 358 | 42 | 18 | 4.3 | 1.4 | 2.8 | 1.2 |
| 19 | .92 | 88 | 10 | 7.0 | 12 | 596 | 37 | 18 | 3.9 | 1.4 | 5.4 | .95 |
| 20 | 1.1 | 55 | 10 | 7.0 | 10 | 136 | 38 | 24 | 3.7 | 1.3 | 7.6 | .86 |
| 21 | 1.3 | 28 | 9.0 | 6.0 | 9.9 | 88 | 155 | 21 | 3.6 | 1.2 | 3.7 | .86 |
| 22 | .94 | 37 | 8.0 | 5.0 | 9.5 | 66 | 77 | 18 | 4.1 | 1.1 | 3.3 | 1.4 |
| 23 | .59 | 138 | 8.0 | 6.0 | 8.9 | 129 | 59 | 16 | 3.4 | .95 | 3.2 | 1.9 |
| 24 | .46 | 30 | 8.0 | 6.0 | 8.2 | 240 | 49 | 14 | 3.1 | .90 | 2.6 | 1.6 |
| 25 | .40 | 18 | 7.0 | 7.0 | 7.7 | 112 | 42 | 13 | 2.8 | .86 | 2.3 | 2.7 |
| 26 | .35 | 13 | 7.0 | 7.4 | 114 | 86 | 37 | 131 | 3.0 | .97 | 2.1 | 5.9 |
| 27 | .39 | 19 | 7.0 | 8.4 | 146 | 79 | 33 | 221 | 3.3 | 2.0 | 1.9 | 4.1 |
| 28 | .47 | 24 | 6.0 | 8.5 | 87 | 364 | 29 | 155 | 3.1 | 3.6 | 2.0 | 3.3 |
| 29 | .48 | 17 | 6.0 | 7.8 | 67 | 178 | 28 | 68 | 2.8 | 2.2 | 2.2 | 2.8 |
| 30 | .52 | 13 | 6.0 | 6.3 | --- | 109 | 25 | 46 | 2.6 | 1.8 | 1.8 | 2.4 |
| 31 | .87 | --- | 6.0 | 5.7 | --- | 98 | --- | 33 | --- | 1.6 | 1.6 | --- |
| TOTAL | 20.65 | 1184.2 | 372.0 | 220.1 | 751.8 | 3607 | 2792 | 1521 | 281.0 | 56.28 | 171.4 | 74.17 |
| MEAN | .67 | 39.5 | 12.0 | 7.10 | 25.9 | 116 | 93.1 | 49.1 | 9.37 | 1.82 | 5.53 | 2.47 |
| MAX | 5.7 | 138 | 28 | 11 | 146 | 596 | 560 | 221 | 26 | 3.6 | 47 | 13 |
| MIN | .18 | 1.9 | 6.0 | 5.0 | 5.2 | 23 | 25 | 13 | 2.6 | .86 | 1.2 | .86 |
| CFSM | .01 | .86 | .26 | .15 | .56 | 2.52 | 2.02 | 1.07 | .20 | .04 | .12 | .05 |
| IN. | .02 | .96 | .30 | .18 | .61 | 2.92 | 2.26 | 1.23 | .23 | .05 | .14 | .06 |
| AC-FT | 41 | 2350 | 738 | 437 | 1490 | 7150 | 5540 | 3020 | 557 | 112 | 340 | 147 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 9929.74 | MEAN | 27.2 | MAX | 1240 | MIN | .18 | CFSM | .59 | IN. | 8.03 | AC-FT | 19700 |
| WTR YR 1984 | TOTAL | 11047.60 | MEAN | 30.2 | MAX | 596 | MIN | .18 | CFSM | .66 | IN. | 8.93 | AC-FT | 21910 |

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0925 | 9 | 9827 | 9827 | .23 | 8.0 | 22.0 | 18.0 | 30 | 10.1 |
| NOV | | | | | | | | | | |
| 15... | 1020 | 9 | 9827 | 9827 | 62 | 7.9 | 11.0 | 9.0 | 1.8 | 10.1 |
| DEC | | | | | | | | | | |
| 06... | 1335 | 9 | 9827 | 9827 | 15 | 7.8 | 5.0 | 7.0 | 2.0 | 12.0 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1001 | 9 | 9827 | 9827 | 9.0 | 7.7 | -3.0 | 3.0 | 1.0 | 11.0 |
| FEB | | | | | | | | | | |
| 07... | 1307 | 9 | 9827 | 9827 | 4.2 | 8.0 | 16.0 | 5.0 | 2.0 | -- |
| MAR | | | | | | | | | | |
| 06... | 1058 | 9 | 9827 | 9827 | 69 | 7.6 | 4.0 | 7.0 | 5.4 | 12.5 |
| APR | | | | | | | | | | |
| 17... | 1130 | 9 | 9827 | 9827 | 46 | 8.0 | 14.0 | 13.0 | 3.0 | 13.2 |
| JUN | | | | | | | | | | |
| 12... | 1235 | 9 | 9827 | 9827 | 8.4 | 7.7 | 27.0 | 25.0 | 3.5 | 6.1 |
| JUL | | | | | | | | | | |
| 24... | 1031 | 9 | 9827 | 9827 | .80 | 7.7 | 28.0 | 25.0 | 3.5 | 6.2 |
| AUG | | | | | | | | | | |
| 21... | 0705 | 9 | 9827 | 9827 | 4.2 | 7.6 | 23.0 | 25.0 | 5.5 | 4.2 |
| SEP | | | | | | | | | | |
| 18... | 1322 | 9 | 9827 | 9827 | 1.2 | 7.8 | 24.0 | 20.0 | 4.0 | 4.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0925 | 3.1 | 4 | 6.0 | 8.5 | 169 | .23 | 5 | .78 |
| NOV | | | | | | | | | |
| 15... | 1020 | 1.0 | 100 | 21 | 16 | 223 | .30 | 2 | .32 |
| DEC | | | | | | | | | |
| 06... | 1335 | 1.0 | 170 | 25 | 12 | 225 | .31 | 2 | 4.6 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1001 | 1.1 | >600 | 28 | 14 | 214 | .29 | 2 | 3.3 |
| FEB | | | | | | | | | |
| 07... | 1307 | 1.7 | -- | 37 | 13 | 223 | .30 | 3 | 2.5 |
| MAR | | | | | | | | | |
| 06... | 1058 | 1.5 | 200 | 13 | 5.5 | 143 | .19 | 4 | 4.2 |
| APR | | | | | | | | | |
| 17... | 1130 | .9 | 50 | 12 | 6.0 | 170 | .23 | 4 | 3.5 |
| JUN | | | | | | | | | |
| 12... | 1235 | 1.3 | 240 | 15 | 9.0 | 198 | .27 | 1 | -- |
| JUL | | | | | | | | | |
| 24... | 1031 | 1.6 | 200 | 13 | 13 | 151 | .21 | 9 | .07 |
| AUG | | | | | | | | | |
| 21... | 0705 | 1.4 | 270 | 12 | 9.5 | 178 | .24 | 7 | -- |
| SEP | | | | | | | | | |
| 18... | 1322 | 1.5 | 340 | 11 | 7.0 | 182 | .25 | 9 | .63 |

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0925 | .010 | .190 | .150 | 0 | <1 | 30 | 8 | 80 |
| NOV | | | | | | | | | |
| 15... | 1020 | -- | .060 | -- | 0 | <1 | 15 | 5 | 50 |
| DEC | | | | | | | | | |
| 06... | 1335 | .080 | .160 | .140 | 0 | <1 | <10 | 6 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1001 | .060 | .280 | .200 | 0 | <1 | 12 | -- | 40 |
| FEB | | | | | | | | | |
| 07... | 1307 | .010 | .220 | .230 | 1 | <1 | 14 | 9 | 30 |
| MAR | | | | | | | | | |
| 06... | 1058 | -- | .110 | .090 | 1 | <1 | <10 | -- | 0 |
| APR | | | | | | | | | |
| 17... | 1130 | .040 | .090 | .070 | 0 | 1 | <10 | 5 | 10 |
| JUN | | | | | | | | | |
| 12... | 1235 | .050 | -- | .100 | 0 | <1 | 17 | 20 | 30 |
| JUL | | | | | | | | | |
| 24... | 1031 | .050 | .080 | .030 | 1 | <1 | <10 | 7 | 20 |
| AUG | | | | | | | | | |
| 21... | 0705 | .050 | .200 | .150 | 3 | <1 | <10 | 12 | 30 |
| SEP | | | | | | | | | |
| 18... | 1322 | .070 | .170 | .120 | 1 | 1 | 14 | 9 | -- |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 18... | 1322 | .000 | .000 | <.010 | .000 | .000 | .00 | <.01 | .0 |

07246940 POTEAU RIVER AT WALDRON, AR

LOCATION.--Lat 34°53'46", long 94°03'57", in SW 1/4 SE 1/4, sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 1111010 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1150 | 9 | 9827 | 9827 | -- | 7.2 | 16.0 | 11.0 | 8.0 | 11.0 |
| DEC | | | | | | | | | | |
| 06... | 1025 | 9 | 9827 | 9827 | -- | 6.9 | .0 | 5.0 | 30 | 11.8 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1142 | 9 | 9827 | 9827 | -- | 6.8 | .0 | 2.0 | 70 | 13.4 |
| FEB | | | | | | | | | | |
| 07... | 1115 | 9 | 9827 | 9827 | .80 | 7.1 | 14.0 | 3.0 | 20 | 14.0 |
| MAR | | | | | | | | | | |
| 06... | 1035 | 9 | 9827 | 9827 | -- | 6.5 | 11.0 | 8.0 | 30 | 12.1 |
| APR | | | | | | | | | | |
| 17... | 1115 | 9 | 9827 | 9827 | 4.0 | 7.9 | 24.0 | 16.0 | 20 | 12.8 |
| MAY | | | | | | | | | | |
| 15... | 1035 | 9 | 9827 | 9827 | .20 | 7.0 | 20.0 | 22.0 | 20 | 8.6 |
| JUN | | | | | | | | | | |
| 12... | 1030 | 9 | 9827 | 9827 | .00 | 7.7 | 33.0 | 28.0 | 6.8 | 8.3 |
| JUL | | | | | | | | | | |
| 24... | 1030 | 9 | 9827 | 9827 | .00 | 7.3 | 27.0 | 25.0 | 20 | 6.7 |
| AUG | | | | | | | | | | |
| 28... | 1330 | 9 | 9827 | 9827 | .00 | 7.3 | 34.0 | 30.0 | 60 | 7.0 |
| SEP | | | | | | | | | | |
| 25... | 1140 | 9 | 9827 | 9827 | .05 | 7.4 | 26.0 | 25.0 | 50 | 5.3 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1150 | 1.9 | 64 | 18 | 16 | 114 | .16 | 10 | .01 |
| DEC | | | | | | | | | |
| 06... | 1025 | 1.2 | 210 | 8.0 | 7.5 | 73 | .10 | 6 | .27 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1142 | 4.3 | -- | 19 | 14 | 122 | .17 | 26 | .61 |
| FEB | | | | | | | | | |
| 07... | 1115 | 1.9 | 14 | 24 | 15 | 101 | .14 | 25 | .06 |
| MAR | | | | | | | | | |
| 06... | 1035 | 1.2 | 260 | -- | 5.0 | 48 | .07 | 10 | -- |
| APR | | | | | | | | | |
| 17... | 1115 | .9 | 30 | 7.0 | 6.0 | 60 | .08 | 10 | .03 |
| MAY | | | | | | | | | |
| 15... | 1035 | 1.5 | 150 | 8.0 | 4.0 | 60 | .08 | 7 | .01 |
| JUN | | | | | | | | | |
| 12... | 1030 | 4.0 | 2000 | 15 | -- | 109 | .15 | -- | .02 |
| JUL | | | | | | | | | |
| 24... | 1030 | -- | 200 | -- | 20 | 125 | .17 | 33 | .03 |
| AUG | | | | | | | | | |
| 28... | 1330 | 4.2 | 55 | 8.0 | 13 | 104 | .14 | 132 | .02 |
| SEP | | | | | | | | | |
| 25... | 1140 | 3.3 | 480 | 19 | 11 | 126 | .17 | 34 | .10 |

ARKANSAS RIVER BASIN

07246940 POTEAU RIVER AT WALDRON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1150 | <.010 | .030 | .010 | 0 | <1 | 11 | 29 | 20 |
| DEC | | | | | | | | | |
| 06... | 1025 | .030 | .060 | .020 | 0 | 2 | 24 | 190 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1142 | .290 | .230 | .070 | 0 | -- | 210 | 280 | 190 |
| FEB | | | | | | | | | |
| 07... | 1115 | .060 | .050 | .010 | 1 | 6 | 180 | 540 | -- |
| MAR | | | | | | | | | |
| 06... | 1035 | -- | -- | .050 | 0 | 1 | 25 | -- | 30 |
| APR | | | | | | | | | |
| 17... | 1115 | .020 | .060 | .010 | 0 | 1 | 28 | -- | 20 |
| MAY | | | | | | | | | |
| 15... | 1035 | <.010 | .040 | <.010 | 0 | 1 | -- | -- | 40 |
| JUN | | | | | | | | | |
| 12... | 1030 | <.010 | .050 | .030 | 0 | <1 | 18 | 25 | 30 |
| JUL | | | | | | | | | |
| 24... | 1030 | .010 | .130 | .020 | 0 | <1 | 12 | 18 | 0 |
| AUG | | | | | | | | | |
| 28... | 1330 | <.010 | .140 | .010 | 0 | 1 | 20 | 48 | 50 |
| SEP | | | | | | | | | |
| 25... | 1140 | .040 | .140 | .050 | 0 | 1 | 35 | 29 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK

LOCATION.--Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4, sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 1111010 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1215 | 9 | 9827 | 9827 | -- | 7.1 | 15.0 | 12.0 | 5.4 | 4.2 |
| DEC | | | | | | | | | | |
| 06... | 1045 | 9 | 9827 | 9827 | -- | 6.9 | .0 | 6.0 | 35 | 9.7 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1200 | 9 | 9827 | 9827 | -- | 7.0 | .0 | 2.0 | 80 | 12.0 |
| FEB | | | | | | | | | | |
| 07... | 1145 | 9 | 9827 | 9827 | .83 | 6.9 | 14.0 | 5.0 | 20 | 8.6 |
| MAR | | | | | | | | | | |
| 06... | 1055 | 9 | 9827 | 9827 | -- | 6.4 | 14.0 | 9.0 | 40 | 11.3 |
| APR | | | | | | | | | | |
| 17... | 1135 | 9 | 9827 | 9827 | 4.0 | 7.0 | 21.0 | 16.0 | 20 | 11.3 |
| MAY | | | | | | | | | | |
| 15... | 1055 | 9 | 9827 | 9827 | .21 | 6.8 | 19.0 | 18.0 | 25 | 6.2 |
| JUN | | | | | | | | | | |
| 12... | 1055 | 9 | 9827 | 9827 | -- | 6.9 | 30.0 | 28.0 | 9.5 | 1.4 |
| JUL | | | | | | | | | | |
| 24... | 1050 | 9 | 9827 | 9827 | -- | 7.1 | 27.0 | 26.0 | 20 | 1.0 |
| AUG | | | | | | | | | | |
| 28... | 1350 | 9 | 9827 | 9827 | -- | 7.2 | 32.0 | 29.0 | 20 | .5 |
| SEP | | | | | | | | | | |
| 25... | 1158 | 9 | 9827 | 9827 | -- | 7.3 | 25.0 | 26.0 | 25 | 1.2 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1215 | 2.9 | 590 | 29 | 33 | 212 | .29 | 6 | .64 |
| DEC | | | | | | | | | |
| 06... | 1045 | 1.9 | 720 | 12 | 11 | 101 | .14 | 10 | .49 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1200 | 5.0 | -- | 18 | 11 | 120 | .16 | 39 | .56 |
| FEB | | | | | | | | | |
| 07... | 1145 | 7.7 | >600 | 25 | 15 | 131 | .18 | 10 | .29 |
| MAR | | | | | | | | | |
| 06... | 1055 | 1.8 | 860 | -- | 5.0 | 47 | .06 | 30 | -- |
| APR | | | | | | | | | |
| 17... | 1135 | 1.8 | >600 | 8.0 | 5.5 | 58 | .08 | 10 | .20 |
| MAY | | | | | | | | | |
| 15... | 1055 | 2.5 | 10000 | 15 | 2.5 | 54 | .07 | 18 | .08 |
| JUN | | | | | | | | | |
| 12... | 1055 | 13 | -- | 19 | -- | 148 | .20 | -- | .02 |
| JUL | | | | | | | | | |
| 24... | 1050 | -- | >600 | -- | 49 | 254 | .35 | 47 | .09 |
| AUG | | | | | | | | | |
| 28... | 1350 | 14 | 7300 | 17 | 47 | 275 | .37 | 40 | .04 |
| SEP | | | | | | | | | |
| 25... | 1158 | 17 | 22000 | 20 | 31 | 194 | .26 | 59 | -- |

07246950 POTEAU RIVER NORTHWEST OF WALDRON, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1215 | .810 | 7.80 | 6.70 | 0 | 43 | 11 | 16 | 0 |
| DEC | | | | | | | | | |
| 06... | 1045 | .250 | 1.50 | 1.30 | 0 | 2 | 16 | 69 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1200 | .520 | -- | -- | 0 | -- | 140 | 270 | 140 |
| FEB | | | | | | | | | |
| 07... | 1145 | 1.92 | 1.88 | 1.95 | 0 | <1 | -- | 110 | -- |
| MAR | | | | | | | | | |
| 06... | 1055 | -- | -- | .060 | 0 | 1 | 15 | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1135 | .050 | .200 | .120 | 0 | 2 | 16 | -- | 10 |
| MAY | | | | | | | | | |
| 15... | 1055 | .210 | .200 | .080 | 0 | 1 | -- | -- | 20 |
| JUN | | | | | | | | | |
| 12... | 1055 | 4.65 | 8.70 | 5.00 | 1 | <1 | 26 | 43 | 60 |
| JUL | | | | | | | | | |
| 24... | 1050 | 5.50 | 13.2 | 11.0 | 0 | <1 | 19 | 24 | 30 |
| AUG | | | | | | | | | |
| 28... | 1350 | 8.25 | 8.80 | 8.50 | 0 | <1 | 28 | 15 | 70 |
| SEP | | | | | | | | | |
| 25... | 1158 | 1.75 | 6.20 | 2.20 | 0 | 2 | 50 | 32 | 50 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 1050 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

ARKANSAS RIVER BASIN

07247000 POTEAU RIVER AT CAUTHRON, AR

LOCATION.--Lat 34°55'08", long 94°17'55", in NW 1/4 SW 1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi 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 National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for periods of no gage-height record, Feb. 12 to Apr. 17, which are fair. As of September 1974, flow from 92.2 $mi^2$ upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood-detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment-storage capacity.

AVERAGE DISCHARGE.--45 years, 214 $ft^3/s$, 155,000 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, 7,760 $ft^3/s$ May 3, gage height, 17.19 ft; minimum, 0.12 $ft^3/s$ Oct. 17-18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .29 | 1.0 | 15 | 18 | 42 | 540 | 300 | 38 | 46 | 6.8 | 2.0 | 4.1 |
| 2 | .37 | 1.2 | 50 | 19 | 41 | 480 | 250 | 3200 | 38 | 5.2 | 1.7 | 3.8 |
| 3 | .40 | 1.2 | 1060 | 20 | 40 | 430 | 270 | 5390 | 33 | 4.4 | 184 | 3.7 |
| 4 | .38 | 1.2 | 456 | 22 | 43 | 400 | 260 | 1850 | 28 | 4.2 | 42 | 2.4 |
| 5 | .39 | 1.4 | 218 | 24 | 40 | 900 | 220 | 1450 | 23 | 37 | 14 | 1.9 |
| 6 | .40 | 1.5 | 153 | 26 | 34 | 600 | 190 | 1130 | 21 | 24 | 8.3 | 1.9 |
| 7 | .46 | 1.6 | 120 | 26 | 31 | 510 | 160 | 1160 | 18 | 10 | 8.3 | 2.2 |
| 8 | .51 | 1.9 | 94 | 24 | 29 | 450 | 180 | 1070 | 17 | 6.4 | 5.1 | 2.2 |
| 9 | .57 | 2.4 | 79 | 26 | 29 | 400 | 390 | 650 | 14 | 5.4 | 6.0 | 6.6 |
| 10 | .51 | 2.7 | 74 | 176 | 35 | 360 | 320 | 466 | 12 | 3.9 | 9.3 | 22 |
| 11 | .52 | 2.7 | 960 | 180 | 86 | 320 | 260 | 366 | 9.9 | 3.9 | 19 | 18 |
| 12 | .72 | 3.5 | 350 | 127 | 2600 | 1200 | 220 | 294 | 9.1 | 5.9 | 12 | 8.4 |
| 13 | 1.0 | 5.1 | 233 | 105 | 1600 | 1400 | 180 | 241 | 7.9 | 15 | 7.1 | 4.7 |
| 14 | 2.6 | 5.7 | 219 | 86 | 1100 | 730 | 150 | 202 | 6.7 | 11 | 5.1 | 3.2 |
| 15 | 1.8 | 5.4 | 170 | 76 | 900 | 430 | 130 | 171 | 5.9 | 9.9 | 3.9 | 2.8 |
| 16 | 1.6 | 5.3 | 132 | 71 | 680 | 280 | 110 | 147 | 9.1 | 8.4 | 2.9 | 2.5 |
| 17 | .18 | 5.8 | 110 | 67 | 520 | 310 | 96 | 126 | 6.9 | 7.0 | 2.5 | 1.9 |
| 18 | .24 | 6.7 | 94 | 61 | 400 | 360 | 84 | 109 | 5.1 | 6.8 | 2.3 | 1.7 |
| 19 | .57 | 21 | 81 | 50 | 320 | 330 | 72 | 94 | 4.4 | 9.8 | 2.0 | 1.8 |
| 20 | 1.1 | 62 | 71 | 42 | 250 | 350 | 63 | 97 | 4.1 | 8.7 | 1.6 | 1.8 |
| 21 | 2.4 | 32 | 64 | 36 | 200 | 280 | 79 | 275 | 6.9 | 6.5 | 1.3 | 1.9 |
| 22 | 2.3 | 22 | 55 | 32 | 160 | 230 | 130 | 133 | 96 | 5.6 | 1.0 | 36 |
| 23 | 5.4 | 165 | 44 | 38 | 130 | 200 | 89 | 91 | 32 | 4.3 | 1.7 | 224 |
| 24 | 4.1 | 84 | 36 | 74 | 105 | 600 | 76 | 67 | 21 | 6.1 | 1.5 | 77 |
| 25 | 2.5 | 19 | 31 | 83 | 84 | 500 | 66 | 52 | 15 | 4.3 | 1.4 | 35 |
| 26 | 1.9 | 11 | 27 | 78 | 140 | 310 | 56 | 138 | 11 | 4.5 | 1.6 | 157 |
| 27 | 1.6 | 15 | 27 | 72 | 1500 | 330 | 49 | 281 | 9.9 | 5.1 | 1.8 | 387 |
| 28 | .90 | 76 | 27 | 66 | 980 | 840 | 41 | 165 | 8.9 | 4.7 | 2.4 | 151 |
| 29 | .73 | 33 | 24 | 62 | 700 | 640 | 37 | 117 | 8.2 | 3.5 | 3.0 | 78 |
| 30 | .78 | 19 | 22 | 57 | --- | 500 | 49 | 80 | 8.8 | 3.2 | 3.4 | 41 |
| 31 | .85 | --- | 19 | 49 | --- | 390 | --- | 59 | --- | 2.3 | 4.0 | --- |
| TOTAL | 38.07 | 615.3 | 5115 | 1893 | 12819 | 15600 | 4577 | 19709 | 536.8 | 243.8 | 362.2 | 1285.5 |
| MEAN | 1.23 | 20.5 | 165 | 61.1 | 442 | 503 | 153 | 636 | 17.9 | 7.86 | 11.7 | 42.9 |
| MAX | 5.4 | 165 | 1060 | 180 | 2600 | 1400 | 390 | 5390 | 96 | 37 | 184 | 387 |
| MIN | .18 | 1.0 | 15 | 18 | 29 | 200 | 37 | 38 | 4.1 | 2.3 | 1.0 | 1.7 |
| AC-FT | 76 | 1220 | 10150 | 3750 | 25430 | 30940 | 9080 | 39090 | 1060 | 484 | 718 | 2550 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 77326.40 | MEAN | 212 | MAX | 5800 | MIN | .16 | AC-FT | 153400 |
| WTR YR 1984 | TOTAL | 62794.67 | MEAN | 172 | MAX | 5390 | MIN | .18 | AC-FT | 124600 |

## 07249400 JAMES FORK NEAR HACKETT, AR

LOCATION.--Lat 35°09'45", long 94°24'25", in NW 1/4 NW 1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi 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 459.71 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 129 $ft^3/s$, 11.92 in/yr, 93,460 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.--Maximum discharge, 3,150 $ft^3/s$ May 27, at 0200 hours, gage height, 16.00 ft, no other peak above base of 3,000 $ft^3/s$, no flow Oct. 6-13, Aug. 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .60 | .19 | 11 | 4.5 | 17 | 230 | 237 | 33 | 84 | 9.0 | .62 | 2.1 |
| 2 | .47 | .33 | 10 | 4.2 | 16 | 179 | 204 | 496 | 68 | 8.8 | .51 | 1.8 |
| 3 | .43 | .94 | 30 | 4.0 | 15 | 144 | 301 | 1280 | 57 | 8.5 | .73 | 1.5 |
| 4 | .32 | 1.5 | 85 | 3.4 | 14 | 818 | 205 | 606 | 49 | 8.3 | .83 | 1.2 |
| 5 | .11 | 1.8 | 44 | 4.0 | 13 | 896 | 158 | 416 | 43 | 8.1 | .75 | .75 |
| 6 | .00 | 1.9 | 23 | 3.8 | 13 | 357 | 129 | 345 | 39 | 8.1 | 1.0 | .45 |
| 7 | .00 | 2.1 | 16 | 3.2 | 12 | 244 | 113 | 270 | 36 | 7.0 | .49 | .30 |
| 8 | .00 | 2.4 | 11 | 2.9 | 13 | 180 | 500 | 323 | 33 | 6.3 | .26 | .35 |
| 9 | .00 | 2.9 | 7.7 | 3.7 | 13 | 135 | 503 | 200 | 31 | 5.7 | .22 | 6.7 |
| 10 | .00 | 3.0 | 8.4 | 41 | 12 | 138 | 254 | 145 | 28 | 5.3 | 2.4 | 7.6 |
| 11 | .00 | 3.0 | 22 | 84 | 14 | 137 | 200 | 108 | 26 | 4.9 | 3.0 | 6.3 |
| 12 | .00 | 3.0 | 39 | 44 | 790 | 1190 | 160 | 85 | 25 | 4.8 | 1.7 | 4.7 |
| 13 | .00 | 3.0 | 27 | 30 | 324 | 643 | 124 | 72 | 23 | 4.6 | .94 | 4.3 |
| 14 | .07 | 3.1 | 24 | 23 | 193 | 345 | 102 | 62 | 25 | 5.8 | .47 | 3.8 |
| 15 | 7.7 | 3.1 | 23 | 17 | 139 | 281 | 90 | 54 | 38 | 4.5 | .25 | 3.7 |
| 16 | 19 | 3.1 | 18 | 15 | 118 | 745 | 82 | 48 | 25 | 4.2 | .19 | 3.4 |
| 17 | 25 | 3.2 | 14 | 14 | 98 | 472 | 75 | 42 | 21 | 7.3 | .62 | 3.4 |
| 18 | 18 | 3.5 | 11 | 15 | 80 | 357 | 68 | 39 | 18 | 8.3 | .93 | 3.9 |
| 19 | 14 | 4.7 | 9.5 | 15 | 69 | 619 | 63 | 37 | 17 | 5.9 | 1.1 | 4.2 |
| 20 | 13 | 5.5 | 11 | 14 | 59 | 370 | 59 | 40 | 16 | 3.5 | 1.6 | 4.0 |
| 21 | 16 | 5.7 | 10 | 14 | 54 | 253 | 65 | 70 | 16 | 3.4 | 1.2 | 3.9 |
| 22 | 11 | 7.2 | 9.2 | 13 | 50 | 192 | 61 | 62 | 16 | 2.2 | .48 | 7.9 |
| 23 | 4.7 | 71 | 8.5 | 10 | 46 | 170 | 53 | 49 | 15 | 1.9 | .22 | 9.9 |
| 24 | 1.9 | 47 | 7.8 | 32 | 44 | 522 | 50 | 40 | 13 | 2.0 | .00 | 9.2 |
| 25 | .73 | 12 | 7.3 | 41 | 41 | 316 | 45 | 35 | 12 | 1.9 | .00 | 11 |
| 26 | .52 | 4.8 | 6.8 | 41 | 213 | 237 | 41 | 1010 | 11 | 1.6 | .06 | 9.9 |
| 27 | .78 | 3.6 | 6.3 | 36 | 1100 | 205 | 39 | 1670 | 12 | 1.6 | .32 | 24 |
| 28 | .71 | 5.5 | 5.9 | 32 | 547 | 788 | 38 | 444 | 11 | 1.9 | 1.5 | 27 |
| 29 | .55 | 14 | 5.5 | 29 | 309 | 907 | 35 | 255 | 11 | 1.3 | 1.4 | 15 |
| 30 | .41 | 15 | 5.1 | 22 | --- | 411 | 34 | 164 | 9.7 | .97 | 1.4 | 11 |
| 31 | .35 | --- | 4.7 | 19 | --- | 295 | --- | 113 | --- | .70 | 2.0 | --- |
| TOTAL | 136.35 | 238.06 | 521.7 | 634.7 | 4426 | 12776 | 4088 | 8613 | 828.7 | 148.37 | 27.19 | 193.25 |
| MEAN | 4.40 | 7.94 | 16.8 | 20.5 | 153 | 412 | 136 | 278 | 27.6 | 4.79 | .88 | 6.44 |
| MAX | 25 | 71 | 85 | 84 | 1100 | 1190 | 503 | 1670 | 84 | 9.0 | 3.0 | 27 |
| MIN | .00 | .19 | 4.7 | 2.9 | 12 | 135 | 34 | 33 | 9.7 | .70 | .00 | .30 |
| CFSM | .03 | .05 | .11 | .14 | 1.04 | 2.80 | .93 | 1.89 | .19 | .03 | .01 | .04 |
| IN. | .03 | .06 | .13 | .16 | 1.12 | 3.23 | 1.03 | 2.18 | .21 | .04 | .01 | .05 |
| AC-FT | 270 | 472 | 1030 | 1260 | 8780 | 25340 | 8110 | 17080 | 1640 | 294 | 54 | 383 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 39318.09 | MEAN | 108 | MAX | 3770 | MIN | .00 | CFSM | .73 | IN. | 9.95 | AC-FT | 77990 |
| WTR YR 1984 | TOTAL | 32631.32 | MEAN | 89.2 | MAX | 1670 | MIN | .00 | CFSM | .61 | IN. | 8.26 | AC-FT | 64720 |

07249400 JAMES FORK NEAR HACKETT, AR--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, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1315 | 9 | 9827 | 9827 | -- | .00 | 7.9 | 28.0 | 21.0 | 6.0 |
| NOV | | | | | | | | | | |
| 15... | 1350 | 9 | 9827 | 9827 | -- | 3.1 | 7.4 | 14.0 | 11.0 | 3.8 |
| DEC | | | | | | | | | | |
| 06... | 1225 | 9 | 9827 | 9827 | -- | 23 | 7.0 | 4.0 | 7.0 | 35 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1337 | 9 | 9827 | 9827 | -- | 30 | 7.3 | 5.0 | 4.0 | 25 |
| FEB | | | | | | | | | | |
| 07... | 1340 | 9 | 9827 | 9827 | -- | 12 | 7.2 | 23.0 | 7.0 | 20 |
| MAR | | | | | | | | | | |
| 06... | 1240 | 9 | 9827 | 9827 | -- | 343 | 6.8 | 12.0 | 10.0 | 55 |
| APR | | | | | | | | | | |
| 17... | -- | 9 | 9827 | 9827 | 75 | -- | 7.4 | 22.0 | 16.0 | 18 |
| MAY | | | | | | | | | | |
| 15... | 1220 | 9 | 9827 | 9827 | -- | 54 | 7.1 | 23.0 | 23.0 | 25 |
| JUN | | | | | | | | | | |
| 12... | 1220 | 9 | 9827 | 9827 | -- | 25 | 7.3 | 34.0 | 27.0 | 25 |
| JUL | | | | | | | | | | |
| 24... | 1220 | 9 | 9827 | 9827 | -- | 2.0 | 7.6 | 31.0 | 27.0 | 20 |
| AUG | | | | | | | | | | |
| 28... | 1520 | 9 | 9827 | 9827 | -- | 1.6 | 7.8 | 33.0 | 30.0 | 7.0 |
| SEP | | | | | | | | | | |
| 25... | 1354 | 9 | 9827 | 9827 | -- | 8.0 | 7.4 | 17.0 | 23.0 | 30 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1315 | 3.6 | 2.2 | 120 | 97 | 21 | 483 | .66 | 8 | .03 |
| NOV | | | | | | | | | | |
| 15... | 1350 | 6.2 | 1.6 | 52 | 120 | 8.0 | 382 | .52 | 7 | .01 |
| DEC | | | | | | | | | | |
| 06... | 1225 | 10.2 | 1.2 | 400 | 120 | 7.5 | 468 | .64 | 26 | .16 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1337 | 11.2 | 1.0 | 140 | 61 | 9.0 | 175 | .24 | 13 | .30 |
| FEB | | | | | | | | | | |
| 07... | 1340 | 12.5 | 1.5 | 24 | 70 | 9.5 | 16 | .02 | 8 | .22 |
| MAR | | | | | | | | | | |
| 06... | 1240 | 8.9 | 1.5 | 1100 | -- | 5.5 | 125 | .17 | 32 | -- |
| APR | | | | | | | | | | |
| 17... | -- | 9.9 | .7 | K30 | 60 | 6.0 | 147 | .20 | 10 | .17 |
| MAY | | | | | | | | | | |
| 15... | 1220 | 7.2 | 1.1 | 60 | 80 | 4.0 | 162 | .22 | 30 | .12 |
| JUN | | | | | | | | | | |
| 12... | 1220 | 6.3 | .7 | 160 | 80 | -- | 194 | .26 | -- | .10 |
| JUL | | | | | | | | | | |
| 24... | 1220 | 6.3 | 2.7 | 20 | -- | 7.0 | 272 | .37 | 21 | .04 |
| AUG | | | | | | | | | | |
| 28... | 1520 | 7.4 | 3.2 | 36 | 93 | 9.5 | 310 | .42 | 10 | .06 |
| SEP | | | | | | | | | | |
| 25... | 1354 | 5.2 | 1.5 | 160 | 85 | 7.5 | 257 | .35 | 42 | .10 |

07249400 JAMES FORK NEAR HACKETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1315 | .020 | .030 | <.010 | 0 | <1 | 23 | 11 | 20 |
| NOV | | | | | | | | | |
| 15... | 1350 | <.010 | .050 | -- | 0 | <1 | 20 | 6 | 1000 |
| DEC | | | | | | | | | |
| 06... | 1225 | .040 | .050 | <.010 | 3 | 2 | 15 | 13 | 40 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1337 | .110 | .060 | .010 | 0 | -- | 37 | 57 | 40 |
| FEB | | | | | | | | | |
| 07... | 1340 | .090 | .040 | <.010 | 0 | <1 | -- | 42 | -- |
| MAR | | | | | | | | | |
| 06... | 1240 | -- | -- | .070 | 0 | 1 | 16 | -- | 30 |
| APR | | | | | | | | | |
| 17... | -- | .020 | .040 | <.010 | 0 | 2 | <10 | -- | 30 |
| MAY | | | | | | | | | |
| 15... | 1220 | <.010 | .050 | .010 | 0 | 2 | -- | -- | 30 |
| JUN | | | | | | | | | |
| 12... | 1220 | .020 | .070 | .030 | 2 | 1 | 14 | 12 | 50 |
| JUL | | | | | | | | | |
| 24... | 1220 | .010 | .100 | .030 | 0 | 5 | 18 | 13 | 20 |
| AUG | | | | | | | | | |
| 28... | 1520 | <.010 | .050 | <.010 | 0 | 3 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 25... | 1354 | .040 | .100 | .030 | 0 | 2 | 24 | 24 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 28... | 1520 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07250000 LEE CREEK NEAR VAN BUREN, AR

LOCATION.--Lat 35°29'40", long 94°26'58", in SE 1/4 sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft 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 National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years (1930-36, 1950-84), 484 $ft^3/s$, 15.43 in/yr, 350,700 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.--Maximum discharge, 10,200 $ft^3/s$ May 7, gage height, 11.61 ft, no other peak above base of 13,000 $ft^3/s$; no flow Oct. 1-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | .12 | 228 | 63 | 92 | 1240 | 1210 | 370 | 634 | 8.7 | .38 | 3.9 |
| 2 | .00 | .12 | 205 | 60 | 89 | 1030 | 1320 | 340 | 474 | 7.3 | .36 | 3.5 |
| 3 | .00 | .12 | 201 | 58 | 88 | 878 | 3050 | 318 | 373 | 6.2 | .33 | 4.2 |
| 4 | .00 | .12 | 221 | 53 | 86 | 2400 | 2070 | 300 | 305 | 5.6 | .28 | 3.7 |
| 5 | .00 | .12 | 251 | 48 | 82 | 4030 | 1510 | 289 | 260 | 4.7 | 32 | 3.3 |
| 6 | .00 | .11 | 240 | 49 | 77 | 2090 | 1190 | 644 | 260 | 4.2 | 17 | 2.9 |
| 7 | .00 | .11 | 214 | 50 | 74 | 1410 | 1010 | 5550 | 278 | 3.8 | 3.6 | 2.6 |
| 8 | .00 | .11 | 187 | 51 | 72 | 1060 | 2260 | 4530 | 245 | 3.3 | 61 | 2.5 |
| 9 | .00 | .17 | 166 | 57 | 72 | 830 | 3500 | 2160 | 207 | 3.0 | 602 | 4.6 |
| 10 | .00 | .20 | 156 | 73 | 72 | 683 | 2220 | 1400 | 179 | 2.8 | 721 | 5.5 |
| 11 | .00 | .21 | 170 | 78 | 73 | 582 | 1650 | 994 | 155 | 2.5 | 292 | 14 |
| 12 | .00 | .21 | 183 | 81 | 325 | 1170 | 1300 | 738 | 133 | 2.2 | 166 | 13 |
| 13 | .00 | .21 | 226 | 87 | 688 | 1400 | 1060 | 565 | 116 | 2.1 | 112 | 8.8 |
| 14 | .00 | .21 | 252 | 88 | 487 | 1080 | 886 | 448 | 102 | 1.8 | 83 | 8.2 |
| 15 | .00 | .19 | 256 | 87 | 390 | 947 | 753 | 364 | 92 | 1.5 | 63 | 8.6 |
| 16 | .00 | .18 | 245 | 86 | 460 | 1950 | 659 | 307 | 81 | 1.3 | 49 | 7.3 |
| 17 | .00 | .15 | 220 | 84 | 485 | 2270 | 575 | 256 | 70 | 1.4 | 38 | 6.4 |
| 18 | .00 | .15 | 198 | 80 | 417 | 2100 | 504 | 221 | 60 | 1.4 | 28 | 6.1 |
| 19 | .00 | .66 | 181 | 75 | 374 | 3470 | 441 | 199 | 51 | 1.2 | 23 | 5.5 |
| 20 | .01 | 1.3 | 165 | 70 | 338 | 2550 | 396 | 225 | 44 | 1.0 | 18 | 5.1 |
| 21 | .62 | 1.4 | 154 | 65 | 301 | 1730 | 2650 | 485 | 35 | .96 | 15 | 4.7 |
| 22 | .77 | 22 | 138 | 62 | 271 | 1290 | 2420 | 415 | 30 | .91 | 13 | 7.5 |
| 23 | .60 | 521 | 125 | 67 | 246 | 1140 | 1510 | 295 | 25 | .82 | 11 | 8.8 |
| 24 | .42 | 824 | 110 | 69 | 223 | 3160 | 1130 | 231 | 20 | .73 | 9.3 | 9.6 |
| 25 | .32 | 416 | 101 | 74 | 204 | 2430 | 907 | 190 | 16 | .72 | 8.0 | 75 |
| 26 | .23 | 284 | 95 | 78 | 761 | 1770 | 738 | 589 | 14 | .90 | 7.0 | 259 |
| 27 | .18 | 260 | 90 | 81 | 4670 | 1430 | 664 | 3110 | 14 | .97 | 6.2 | 286 |
| 28 | .15 | 377 | 87 | 86 | 2650 | 1860 | 568 | 4800 | 13 | .73 | 5.4 | 184 |
| 29 | .14 | 375 | 78 | 93 | 1670 | 2770 | 482 | 2260 | 12 | .63 | 5.1 | 133 |
| 30 | .12 | 289 | 71 | 94 | --- | 1870 | 425 | 1310 | 10 | .49 | 4.5 | 101 |
| 31 | .12 | --- | 66 | 93 | --- | 1410 | --- | 891 | --- | .39 | 4.2 | --- |
| TOTAL | 3.68 | 3374.17 | 5280 | 2240 | 15837 | 54030 | 39058 | 34794 | 4308 | 74.25 | 2398.65 | 1188.3 |
| MEAN | .12 | 112 | 170 | 72.3 | 546 | 1743 | 1302 | 1122 | 144 | 2.40 | 77.4 | 39.6 |
| MAX | .77 | 824 | 256 | 94 | 4670 | 4030 | 3500 | 5550 | 634 | 8.7 | 721 | 286 |
| MIN | .00 | .11 | 66 | 48 | 72 | 582 | 396 | 190 | 10 | .39 | .28 | 2.5 |
| CFSM | .00 | .26 | .40 | .17 | 1.28 | 4.09 | 3.06 | 2.63 | .34 | .01 | .18 | .09 |
| IN. | .00 | .29 | .46 | .20 | 1.38 | 4.72 | 3.41 | 3.04 | .38 | .01 | .21 | .10 |
| AC-FT | 7.3 | 6690 | 10470 | 4440 | 31410 | 107200 | 77470 | 69010 | 8540 | 147 | 4760 | 2360 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL 135119.41 | MEAN | 370 | MAX | 5990 | MIN | .00 | CFSM | .87 | IN. | 11.80 | AC-FT | 268000 |
| WTR YR 1984 | TOTAL 162586.05 | MEAN | 444 | MAX | 5550 | MIN | .00 | CFSM | 1.04 | IN. | 14.20 | AC-FT | 322500 |

## 07250500 ARKANSAS RIVER AT VAN BUREN, AR

LOCATION.--Lat 35°25'42", long 94°21'37", in SE 1/4 SW 1/4 sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi downstream from Lee Creek, 8.7 mi downstream from Poteau River, and at mile 316.5.

DRAINAGE AREA.--150,482 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1540 | 9 | 9827 | 9827 | -- | .00 | 8.5 | 25.0 | 23.0 | 6.5 |
| DEC | | | | | | | | | | |
| 06... | 1330 | 9 | 9827 | 9827 | -- | 2900 | 7.9 | 8.0 | 8.0 | 25 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1445 | 9 | 9827 | 9827 | -- | 0100 | 8.0 | 5.0 | 2.0 | 7.0 |
| FEB | | | | | | | | | | |
| 07... | 1455 | 9 | 9827 | 9827 | -- | 7400 | 8.9 | 13.0 | 5.0 | 8.0 |
| MAR | | | | | | | | | | |
| 06... | 1410 | 9 | 9827 | 9827 | -- | 7200 | 7.5 | 15.0 | 10.0 | 90 |
| APR | | | | | | | | | | |
| 17... | 1430 | 9 | 9827 | 9827 | 119000 | -- | 7.8 | 20.0 | 16.0 | 65 |
| MAY | | | | | | | | | | |
| 15... | 1435 | 9 | 9827 | 9827 | -- | 6800 | 7.4 | 22.0 | 22.0 | 55 |
| JUN | | | | | | | | | | |
| 12... | 1400 | 9 | 9827 | 9827 | -- | 5500 | 7.9 | -- | -- | 40 |
| JUL | | | | | | | | | | |
| 24... | 1340 | 9 | 9827 | 9827 | -- | 9300 | 8.2 | 35.0 | 30.0 | 15 |
| AUG | | | | | | | | | | |
| 28... | 1632 | 9 | 9827 | 9827 | -- | 5100 | 8.5 | 33.0 | 31.0 | 7.0 |
| SEP | | | | | | | | | | |
| 25... | 1505 | 9 | 9827 | 9827 | -- | 0300 | 8.2 | 14.0 | 23.0 | 55 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1540 | 11.3 | 21 | 3.6 | 16 | 53 | 110 | 377 | .51 |
| DEC | | | | | | | | | |
| 06... | 1330 | 11.5 | 43 | 2.3 | 270 | 46 | 83 | 318 | .43 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1445 | 14.5 | 16 | 2.9 | 4 | 46 | 73 | 293 | .40 |
| FEB | | | | | | | | | |
| 07... | 1455 | 18.1 | 25 | 5.9 | <4 | 62 | 130 | 408 | .55 |
| MAR | | | | | | | | | |
| 06... | 1410 | 10.6 | 25 | 3.0 | 1100 | -- | 130 | 368 | .50 |
| APR | | | | | | | | | |
| 17... | 1430 | 9.8 | 17 | 2.5 | <10 | 47 | 85 | 352 | .48 |
| MAY | | | | | | | | | |
| 15... | 1435 | 8.4 | 19 | 3.0 | 270 | 32 | 43 | 213 | .29 |
| JUN | | | | | | | | | |
| 12... | 1400 | 8.5 | 24 | 2.9 | 400 | 50 | -- | 328 | .45 |
| JUL | | | | | | | | | |
| 24... | 1340 | 10.0 | -- | 5.0 | 4 | -- | 100 | 385 | .52 |
| AUG | | | | | | | | | |
| 28... | 1632 | 11.5 | -- | 3.1 | 150 | 55 | 120 | 441 | .60 |
| SEP | | | | | | | | | |
| 25... | 1505 | 7.8 | 11 | 2.0 | 3500 | 46 | 110 | 384 | .52 |

07250500 ARKANSAS RIVER AT VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | NITRO-GEN, TOTAL (MG/L AS NO3) (71887) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1540 | 12 | .01 | .010 | .19 | .20 | .21 | .93 | .080 |
| DEC | | | | | | | | | |
| 06... | 1330 | 22 | .42 | .050 | .15 | .20 | .62 | 2.7 | .090 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1445 | 11 | .40 | .040 | 2.3 | 2.3 | 2.7 | 12 | .120 |
| FEB | | | | | | | | | |
| 07... | 1455 | 22 | .02 | .010 | .49 | .50 | .52 | 2.3 | .080 |
| MAR | | | | | | | | | |
| 06... | 1410 | 78 | -- | -- | -- | 1.2 | -- | -- | -- |
| APR | | | | | | | | | |
| 17... | 1430 | 105 | .81 | .110 | -- | -- | -- | -- | .180 |
| MAY | | | | | | | | | |
| 15... | 1435 | 42 | .42 | .090 | .41 | .50 | .92 | 4.1 | .150 |
| JUN | | | | | | | | | |
| 12... | 1400 | -- | .74 | .020 | .08 | .10 | .84 | 3.7 | .130 |
| JUL | | | | | | | | | |
| 24... | 1340 | 22 | .13 | <.010 | -- | <.10 | -- | -- | .130 |
| AUG | | | | | | | | | |
| 28... | 1632 | 12 | .04 | <.010 | -- | .50 | .54 | 2.4 | .080 |
| SEP | | | | | | | | | |
| 25... | 1505 | 62 | .07 | .070 | -- | <.10 | -- | -- | .130 |

| DATE | TIME | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1540 | .020 | -- | 0 | <1 | 16 | 1 | -- | 0 |
| DEC | | | | | | | | | |
| 06... | 1330 | .020 | <5 | 0 | 2 | <10 | 3 | <5 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1445 | .010 | -- | 0 | -- | <10 | 1 | -- | 0 |
| FEB | | | | | | | | | |
| 07... | 1455 | <.010 | <5 | 2 | <1 | -- | 5 | <5 | -- |
| MAR | | | | | | | | | |
| 06... | 1410 | .090 | -- | 0 | 2 | <10 | -- | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1430 | .100 | <5 | 0 | 4 | <10 | -- | <5 | 30 |
| MAY | | | | | | | | | |
| 15... | 1435 | .040 | -- | 0 | 4 | -- | -- | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 1400 | .040 | -- | 0 | 2 | <10 | 3 | -- | 20 |
| JUL | | | | | | | | | |
| 24... | 1340 | .030 | -- | 0 | <1 | 14 | 2 | -- | 0 |
| AUG | | | | | | | | | |
| 28... | 1632 | .010 | <5 | 0 | <1 | <10 | <1 | <5 | 10 |
| SEP | | | | | | | | | |
| 25... | 1505 | .070 | -- | 0 | 3 | 15 | 3 | -- | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 06... | 1330 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1445 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| FEB | | | | | | | | | |
| 07... | 1455 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAR | | | | | | | | | |
| 06... | 1410 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 17... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| AUG | | | | | | | | | |
| 28... | 1632 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in Dam No. 13 control house on right bank and at mile 308.9.

DRAINAGE AREA.--150,547 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren." 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 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.--Records good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--57 years, 30,790 $ft^3/s$, 22,310,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 $ft^3/s$ 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.

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, 133,000 $ft^3/s$ Mar. 30, Apr. 9, 10, 14, 15; maximum tailwater elevation, 388.85 ft Apr. 9, 10; minimum daily discharge, 31 $ft^3/s$ Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 80 | 29900 | 21200 | 1090 | 9820 | 45700 | 129000 | 62700 | 57100 | 20400 | 6510 | 3190 |
| 2 | 80 | 36500 | 26200 | 594 | 6440 | 35200 | 121000 | 66400 | 62100 | 19800 | 3300 | 1320 |
| 3 | 1190 | 33100 | 26100 | 7580 | 10300 | 27700 | 125000 | 63100 | 54800 | 23300 | 5250 | 1120 |
| 4 | 1970 | 35500 | 18100 | 11200 | 1680 | 37400 | 130000 | 63000 | 42600 | 16300 | 2420 | 232 |
| 5 | 837 | 26300 | 25600 | 8540 | 10500 | 50900 | 129000 | 63900 | 38400 | 17900 | 2590 | 2790 |
| 6 | 1660 | 29700 | 27900 | 7970 | 9960 | 52000 | 128000 | 61300 | 38200 | 20700 | 5170 | 4000 |
| 7 | 3370 | 21000 | 28900 | 2890 | 10000 | 54600 | 125000 | 67800 | 27000 | 13000 | 9510 | 2800 |
| 8 | 129 | 27300 | 26200 | 64 | 9580 | 54700 | 125000 | 74700 | 29000 | 10100 | 10700 | 10900 |
| 9 | 80 | 25100 | 21700 | 3810 | 8170 | 53200 | 132000 | 72300 | 27500 | 14400 | 14100 | 1740 |
| 10 | 4220 | 29700 | 18100 | 7460 | 11300 | 45600 | 133000 | 63200 | 27600 | 16100 | 8840 | 5140 |
| 11 | 1590 | 27000 | 17500 | 8860 | 2710 | 38700 | 130000 | 56100 | 30200 | 18500 | 2200 | 8440 |
| 12 | 3680 | 18000 | 8310 | 6400 | 8370 | 42700 | 129000 | 52400 | 33000 | 14400 | 2770 | 13800 |
| 13 | 420 | 6220 | 17500 | 8230 | 9980 | 44500 | 130000 | 50100 | 35400 | 12800 | 10600 | 13100 |
| 14 | 81 | 21300 | 19700 | 2600 | 12800 | 40200 | 132000 | 48300 | 34200 | 3070 | 7670 | 10900 |
| 15 | 115 | 22200 | 12300 | 1840 | 10900 | 49300 | 133000 | 43400 | 31900 | 3240 | 10500 | 1750 |
| 16 | 114 | 19500 | 10600 | 3010 | 17900 | 62100 | 127000 | 47200 | 32800 | 8990 | 10400 | 1760 |
| 17 | 4900 | 11700 | 3480 | 10000 | 15200 | 60800 | 119000 | 45000 | 32300 | 4980 | 9510 | 964 |
| 18 | 6720 | 12500 | 6100 | 9850 | 7760 | 59500 | 114000 | 41000 | 32000 | 3860 | 4060 | 31 |
| 19 | 9200 | 11400 | 15500 | 14800 | 8520 | 74400 | 115000 | 39600 | 25900 | 7920 | 2370 | 2270 |
| 20 | 22200 | 16500 | 11000 | 12800 | 13500 | 95100 | 116000 | 40900 | 24100 | 8770 | 7370 | 2780 |
| 21 | 39800 | 12400 | 17600 | 3000 | 10700 | 99400 | 121000 | 41000 | 32400 | 6450 | 8470 | 2480 |
| 22 | 42700 | 16800 | 10900 | 874 | 12200 | 104000 | 123000 | 37400 | 33600 | 4890 | 4740 | 1740 |
| 23 | 30300 | 28500 | 10400 | 3880 | 11600 | 102000 | 118000 | 36200 | 25800 | 8550 | 4930 | 1840 |
| 24 | 41000 | 22400 | 6970 | 1810 | 9370 | 116000 | 117000 | 33200 | 22700 | 6660 | 1390 | 6000 |
| 25 | 40000 | 22200 | 10900 | 114 | 4090 | 124000 | 113000 | 23600 | 19000 | 5970 | 1310 | 8880 |
| 26 | 35800 | 25600 | 11900 | 5460 | 8840 | 119000 | 99500 | 28800 | 24700 | 9240 | 1320 | 4070 |
| 27 | 31400 | 31000 | 6480 | 6060 | 45000 | 114000 | 86800 | 65300 | 25100 | 9840 | 7190 | 2630 |
| 28 | 33600 | 36000 | 8470 | 65 | 51300 | 121000 | 70400 | 123000 | 23200 | 4130 | 9070 | 2060 |
| 29 | 26900 | 35700 | 4030 | 1750 | 44900 | 129000 | 66800 | 98400 | 25500 | 2400 | 9890 | 1760 |
| 30 | 26500 | 25500 | 5420 | 9680 | --- | 132000 | 57500 | 68100 | 21700 | 4150 | 11700 | 191 |
| 31 | 22700 | --- | 1440 | 10100 | --- | 131000 | --- | 58300 | --- | 4010 | 8230 | --- |
| TOTAL | 433336 | 716520 | 456500 | 172381 | 393390 | 2315700 | 3495000 | 1735700 | 969800 | 324820 | 204080 | 120678 |
| MEAN | 13980 | 23880 | 14730 | 5561 | 13570 | 74700 | 116500 | 55990 | 32330 | 10480 | 6583 | 4023 |
| MAX | 42700 | 36500 | 28900 | 14800 | 51300 | 132000 | 133000 | 123000 | 62100 | 23300 | 14100 | 13800 |
| MIN | 80 | 6220 | 1440 | 64 | 1680 | 27700 | 57500 | 23600 | 19000 | 2400 | 1310 | 31 |
| AC-FT | 859500 | 1421000 | 905500 | 341900 | 780300 | 4593000 | 6932000 | 3443000 | 1924000 | 644300 | 404800 | 239400 |

CAL YR 1983 TOTAL 12963113 MEAN 35520 MAX 132000 MIN 17 AC-FT 25710000
WTR YR 1984 TOTAL 11337905 MEAN 30980 MAX 133000 MIN 31 AC-FT 22490000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED
(National tritium station)
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1981.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to September 1981.
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 05... | 1315 | 9 | 80513 | 80010 | .00 | 653 | 8.6 | 24.0 | 3.4 | 9.1 | 109 |
| 14... | 1030 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 18... | 1000 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 06... | 1100 | 9 | 80513 | 80010 | 3400 | 562 | 8.0 | 10.0 | 13 | 12.0 | 107 |
| 06... | 1200 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 01... | 1330 | 9 | 80513 | 80010 | 6800 | 593 | 8.1 | 5.0 | 8.4 | 18.4 | 145 |
| MAR | | | | | | | | | | | |
| 09... | 1100 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 02... | 1230 | 9 | 80513 | 80010 | 120000 | 646 | 7.4 | 10.0 | 65 | 10.4 | 94 |
| MAY | | | | | | | | | | | |
| 25... | 1000 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 04... | 1800 | 9 | 80513 | 80010 | 1700 | 400 | 7.8 | 23.0 | 55 | 8.6 | 102 |
| 08... | 1200 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 06... | 0915 | 9 | 1028 | 85113 | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 02... | 0830 | 9 | 80513 | 80010 | 1510 | 699 | 8.4 | 27.0 | 6.5 | 7.5 | 95 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 05... | 1315 | 759 | 21 | 6 | 160 | 50 | 50 | 46 | 11 | 67 | 47 |
| DEC | | | | | | | | | | | |
| 06... | 1100 | 761 | 97 | 81 | 140 | 40 | 40 | 39 | 9.9 | 58 | 47 |
| FEB | | | | | | | | | | | |
| 01... | 1330 | 756 | 1 | 29 | 130 | 38 | 38 | 37 | 9.2 | 65 | 51 |
| APR | | | | | | | | | | | |
| 02... | 1230 | 748 | 230 | 140 | 130 | 44 | 44 | 39 | 8.9 | 71 | 53 |
| JUN | | | | | | | | | | | |
| 04... | 1800 | 751 | 44 | 180 | 110 | 32 | 32 | 32 | 6.7 | 33 | 39 |
| AUG | | | | | | | | | | | |
| 02... | 0830 | 757 | 23 | 43 | 160 | 44 | 44 | 44 | 11 | 71 | 49 |

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SODIUM AD-SORP-TION RATIO (00931) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | SULFATE DIS-SOLVED (MG/L AS SO4) (00945) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950) | SILICA, DIS-SOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301) | SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 05... | 1315 | 2 | 3.9 | 110 | 54 | 110 | .30 | .7 | 382 | 360 | .52 |
| DEC | | | | | | | | | | | |
| 06... | 1100 | 2 | 4.0 | 99 | 49 | 89 | .30 | 2.9 | 333 | 310 | .45 |
| FEB | | | | | | | | | | | |
| 01... | 1330 | 3 | 3.3 | 93 | 51 | 100 | <.10 | .0 | 331 | 320 | .45 |
| APR | | | | | | | | | | | |
| 02... | 1230 | 3 | 3.2 | 90 | 53 | 110 | .20 | 5.2 | 405 | 340 | .55 |
| JUN | | | | | | | | | | | |
| 04... | 1800 | 1 | 3.1 | 76 | 35 | 51 | .20 | 5.0 | 233 | 210 | .32 |
| AUG | | | | | | | | | | | |
| 02... | 0830 | 3 | 3.7 | 112 | 53 | 110 | .20 | 2.4 | 418 | 360 | .57 |

| DATE | TIME | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608) | NITRO-GEN,AM-MONIA + ORGANIC 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) | 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 | | | | | | | | | | | |
| 05... | 1315 | <.100 | .040 | .50 | .090 | .070 | .070 | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 06... | 1100 | .480 | .090 | .60 | .110 | .080 | .070 | 20 | 2 | 100 | <.5 |
| FEB | | | | | | | | | | | |
| 01... | 1330 | <.100 | <.010 | 1.2 | .110 | .020 | <.010 | 30 | 2 | 82 | <.5 |
| APR | | | | | | | | | | | |
| 02... | 1230 | .670 | .150 | 1.2 | .100 | .080 | .060 | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 04... | 1800 | .740 | .060 | 1.2 | .170 | .140 | .140 | 60 | 1 | 71 | <.0 |
| AUG | | | | | | | | | | | |
| 02... | 0830 | .290 | .140 | .50 | .080 | .040 | .060 | 10 | 2 | 110 | <.0 |

| 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 | | | | | | | | | | | |
| 06... | 1100 | <1 | 1 | <3 | 7 | 26 | 4 | 7 | 3 | <.1 | <10 |
| FEB | | | | | | | | | | | |
| 01... | 1330 | <1 | <1 | <3 | 2 | 27 | 1 | <4 | 3 | <.1 | <10 |
| JUN | | | | | | | | | | | |
| 04... | 1800 | <1 | <1 | <3 | 2 | 20 | 1 | <4 | 1 | <.1 | <10 |
| AUG | | | | | | | | | | | |
| 02... | 0830 | <1 | <1 | <3 | 2 | 33 | 1 | 7 | 2 | .1 | <10 |

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | ZINC, DIS-SOLVED (UG/L AS ZN) (01090) | TRITIUM IN WATER MOLE-CULES (TU) (07012) | TRITIUM WATER MOLE-CULES COUNT ERROR (TU) (07013) | 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 | | | | | | | | | | | |
| 05... | 1315 | -- | -- | -- | -- | -- | -- | -- | 11 | .00 | 53 |
| 14... | 1030 | -- | -- | -- | -- | -- | 16.0 | .8 | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 18... | 1000 | -- | -- | -- | -- | -- | 18.1 | 1.0 | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 06... | 1100 | 2 | <1 | <1 | 330 | 9 | -- | -- | 22 | 1980 | 68 |
| 06... | 1200 | -- | -- | -- | -- | -- | 14.6 | .7 | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 01... | 1330 | 3 | <1 | <1 | 290 | 4 | 15.2 | .7 | 16 | 726 | 77 |
| MAR | | | | | | | | | | | |
| 09... | 1100 | -- | -- | -- | -- | -- | 17.7 | .9 | -- | -- | -- |
| APR | | | | | | | | | | | |
| 02... | 1230 | -- | -- | -- | -- | -- | 14.2 | .7 | 355 | 115000 | 26 |
| MAY | | | | | | | | | | | |
| 25... | 1000 | -- | -- | -- | -- | -- | 14.5 | .7 | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 04... | 1800 | 2 | <1 | <1 | 240 | 9 | -- | -- | 74 | 8330 | 88 |
| 08... | 1200 | -- | -- | -- | -- | -- | 14.9 | .7 | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 06... | 0915 | -- | -- | -- | -- | -- | 14.1 | .7 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 02... | 0830 | 3 | <1 | <1 | 400 | 5 | -- | -- | 8 | 33 | 65 |

## 07252000 MULBERRY RIVER NEAR MULBERRY, AR

LOCATION.--Lat 35°34'37", long 94°00'55", in SE 1/4 SW 1/4 sec.31, T.11 N., R.28 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 $mi^2$.

PERIOD OFRECORD.--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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 531 $ft^3/s$, 19.33 in/yr, 384,700 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.--Maximum discharge, 15,700 $ft^3/s$ May 7, at 2100 hours, gage height, 11.89 ft, no other peak above base of 10,000 $ft^3/s$; minimum, 0.06 $ft^3/s$ Oct. 9, 10, 11, gage height, 0.49 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .11 | .38 | 158 | 73 | 144 | 1340 | 1090 | 294 | 601 | 12 | 2.4 | .24 |
| 2 | .10 | .43 | 148 | 69 | 139 | 1240 | 985 | 274 | 471 | 11 | 2.4 | .20 |
| 3 | .09 | .47 | 169 | 65 | 139 | 1160 | 1370 | 271 | 383 | 11 | 2.4 | .20 |
| 4 | .09 | .57 | 395 | 61 | 141 | 1900 | 1260 | 282 | 314 | 9.8 | 2.4 | .20 |
| 5 | .08 | .62 | 468 | 59 | 140 | 3150 | 1100 | 284 | 268 | 8.5 | 2.4 | .18 |
| 6 | .07 | .62 | 347 | 58 | 135 | 2090 | 958 | 820 | 246 | 7.7 | 2.2 | .16 |
| 7 | .07 | .65 | 277 | 58 | 125 | 1550 | 850 | 7330 | 242 | 7.5 | 2.9 | .13 |
| 8 | .07 | .68 | 233 | 60 | 114 | 1210 | 1040 | 5460 | 230 | 7.5 | 2.8 | .13 |
| 9 | .06 | .76 | 200 | 60 | 109 | 977 | 1920 | 2770 | 200 | 22 | 2.5 | .95 |
| 10 | .06 | .83 | 186 | 70 | 109 | 816 | 1650 | 1870 | 174 | 18 | 2.3 | 1.7 |
| 11 | .07 | .83 | 965 | 75 | 116 | 699 | 1360 | 1350 | 154 | 13 | 2.2 | 4.8 |
| 12 | .10 | .83 | 1090 | 93 | 1740 | 836 | 1160 | 1030 | 135 | 10 | 2.1 | 12 |
| 13 | .10 | .88 | 698 | 104 | 2120 | 1190 | 981 | 799 | 117 | 8.5 | 1.9 | 9.5 |
| 14 | .10 | .91 | 583 | 109 | 1360 | 1040 | 828 | 634 | 99 | 6.3 | 1.6 | 7.1 |
| 15 | .10 | .91 | 503 | 109 | 1010 | 938 | 720 | 511 | 85 | 5.1 | 1.5 | 6.2 |
| 16 | .10 | .91 | 414 | 109 | 859 | 857 | 624 | 433 | 72 | 5.1 | 1.4 | 5.1 |
| 17 | .10 | .91 | 340 | 109 | 737 | 1090 | 534 | 365 | 59 | 5.2 | 1.3 | 4.2 |
| 18 | .11 | .91 | 292 | 109 | 616 | 1610 | 461 | 303 | 51 | 5.8 | 1.1 | 3.7 |
| 19 | .17 | 1.7 | 262 | 106 | 555 | 1680 | 409 | 265 | 46 | 6.5 | .94 | 3.6 |
| 20 | .26 | 2.7 | 235 | 98 | 481 | 1580 | 364 | 251 | 39 | 6.1 | .89 | 3.2 |
| 21 | .49 | 3.6 | 214 | 126 | 425 | 1300 | 502 | 241 | 35 | 5.8 | .82 | 2.9 |
| 22 | .50 | 15 | 193 | 85 | 387 | 1090 | 709 | 221 | 31 | 5.1 | .77 | 4.1 |
| 23 | .56 | 430 | 173 | 84 | 352 | 927 | 596 | 207 | 29 | 5.0 | .69 | 4.8 |
| 24 | .62 | 738 | 156 | 88 | 322 | 1190 | 523 | 185 | 25 | 4.3 | .58 | 5.4 |
| 25 | .62 | 334 | 160 | 94 | 292 | 1310 | 469 | 162 | 23 | 3.7 | .52 | 168 |
| 26 | .65 | 229 | 122 | 106 | 303 | 1150 | 426 | 986 | 20 | 3.6 | .49 | 1290 |
| 27 | .63 | 201 | 111 | 120 | 2390 | 1060 | 391 | 3000 | 19 | 4.1 | .43 | 509 |
| 28 | .54 | 216 | 104 | 136 | 2090 | 1350 | 349 | 2110 | 17 | 3.9 | .40 | 276 |
| 29 | .46 | 211 | 97 | 142 | 1590 | 1840 | 315 | 1450 | 16 | 3.2 | .39 | 196 |
| 30 | .45 | 183 | 88 | 145 | --- | 1460 | 301 | 1030 | 14 | 2.5 | .34 | 150 |
| 31 | .44 | --- | 84 | 145 | --- | 1210 | --- | 772 | --- | 2.4 | .29 | --- |
| TOTAL | 7.97 | 2578.10 | 9465 | 2925 | 19040 | 40840 | 24245 | 35960 | 4215 | 230.2 | 45.35 | 2669.69 |
| MEAN | .26 | 85.9 | 305 | 94.4 | 657 | 1317 | 808 | 1160 | 141 | 7.43 | 1.46 | 89.0 |
| MAX | .65 | 738 | 1090 | 145 | 2390 | 3150 | 1920 | 7330 | 601 | 22 | 2.9 | 1290 |
| MIN | .06 | .38 | 84 | 58 | 109 | 699 | 301 | 162 | 14 | 2.4 | .29 | .13 |
| CFSM | .00 | .23 | .82 | .25 | 1.76 | 3.53 | 2.17 | 3.11 | .38 | .02 | .00 | .24 |
| IN. | .00 | .26 | .94 | .29 | 1.90 | 4.07 | 2.42 | 3.59 | .42 | .02 | .00 | .27 |
| AC-FT | 16 | 5110 | 18770 | 5800 | 37770 | 81010 | 48090 | 71330 | 8360 | 457 | 90 | 5300 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 149516.15 | MEAN | 410 | MAX | 4770 | MIN | .06 | CFSM | 1.10 | IN. | 14.91 | AC-FT | 296600 |
| WTR YR 1984 | TOTAL | 142221.31 | MEAN | 389 | MAX | 7330 | MIN | .06 | CFSM | 1.04 | IN. | 14.18 | AC-FT | 282100 |

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, AR

LOCATION.--Lat 35°32'06" long 94°02'12", in NE 1/4 NW 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1530 | 9 | 9827 | 9827 | .97 | 7.1 | 14.0 | 13.0 | 20 | 10.8 |
| DEC | | | | | | | | | | |
| 06... | 1415 | 9 | 9827 | 9827 | 371 | 7.1 | 6.0 | 8.0 | 6.0 | 11.5 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1515 | 9 | 9827 | 9827 | 75 | 6.9 | 11.0 | 5.0 | 3.0 | 13.2 |
| FEB | | | | | | | | | | |
| 07... | 1525 | 9 | 9827 | 9827 | 134 | 7.1 | 18.0 | 7.0 | 3.0 | 13.3 |
| MAR | | | | | | | | | | |
| 06... | 1445 | 9 | 9827 | 9827 | 2240 | 6.3 | 15.0 | 9.0 | 15 | 11.4 |
| APR | | | | | | | | | | |
| 17... | 1500 | 9 | 9827 | 9827 | 571 | 6.8 | 20.0 | 15.0 | 4.5 | 10.5 |
| MAY | | | | | | | | | | |
| 15... | 1520 | 9 | 9827 | 9827 | 547 | 6.8 | 23.0 | 21.0 | 6.0 | 9.1 |
| JUN | | | | | | | | | | |
| 12... | 1430 | 9 | 9827 | 9827 | 144 | 6.9 | 32.0 | 28.0 | 3.8 | 8.6 |
| JUL | | | | | | | | | | |
| 24... | 1420 | 9 | 9827 | 9827 | 4.6 | 7.0 | 36.0 | 31.0 | 20 | 8.4 |
| AUG | | | | | | | | | | |
| 28... | 0800 | 9 | 9827 | 9827 | .43 | 6.7 | 26.0 | 28.0 | 2.0 | 6.4 |
| SEP | | | | | | | | | | |
| 25... | 1545 | 9 | 9827 | 9827 | 180 | 7.0 | 16.0 | 24.0 | 20 | 7.6 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1530 | 1.6 | 24 | 2.0 | 4.5 | 42 | .06 | 10 | .06 |
| DEC | | | | | | | | | |
| 06... | 1415 | .9 | 40 | 4.0 | 3.5 | 37 | .05 | 2 | .25 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1515 | .6 | 8 | 8.0 | 4.5 | 34 | .05 | 2 | .22 |
| FEB | | | | | | | | | |
| 07... | 1525 | 1.6 | <4 | 4.0 | 4.5 | 38 | .05 | 1 | .13 |
| MAR | | | | | | | | | |
| 06... | 1445 | 1.1 | 60 | -- | 2.5 | 19 | .03 | 6 | -- |
| APR | | | | | | | | | |
| 17... | 1500 | 1.6 | <10 | 2.0 | 2.5 | 32 | .04 | 5 | .11 |
| MAY | | | | | | | | | |
| 15... | 1520 | 1.8 | 30 | 2.0 | 2.0 | 35 | .05 | 2 | .06 |
| JUN | | | | | | | | | |
| 12... | 1430 | 1.5 | 16 | 3.0 | -- | 33 | .04 | -- | .07 |
| JUL | | | | | | | | | |
| 24... | 1420 | 1.7 | 4 | -- | 3.0 | 31 | .04 | 2 | .05 |
| AUG | | | | | | | | | |
| 28... | 0800 | 1.8 | 290 | 4.0 | 4.0 | 33 | .04 | 1 | .10 |
| SEP | | | | | | | | | |
| 25... | 1545 | 1.2 | 2300 | 2.0 | 3.0 | 27 | .04 | 18 | .08 |

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1530 | <.010 | .040 | .010 | 0 | <1 | <10 | <1 | 0 |
| DEC | | | | | | | | | |
| 06... | 1415 | <.010 | .010 | <.010 | 0 | <1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1515 | .040 | .030 | <.010 | 0 | -- | <10 | <1 | 0 |
| FEB | | | | | | | | | |
| 07... | 1525 | .060 | .010 | <.010 | 0 | <1 | -- | <1 | -- |
| MAR | | | | | | | | | |
| 06... | 1445 | -- | -- | .030 | 0 | <1 | <10 | -- | 0 |
| APR | | | | | | | | | |
| 17... | 1500 | .040 | .030 | .010 | 0 | 2 | <10 | -- | 0 |
| MAY | | | | | | | | | |
| 15... | 1520 | <.010 | .020 | <.010 | 0 | 1 | -- | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 1430 | <.010 | .030 | .030 | 0 | <1 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 24... | 1420 | .010 | .030 | .020 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 28... | 0800 | <.010 | .020 | <.010 | 0 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 25... | 1545 | .010 | .070 | .030 | 0 | 1 | 21 | 1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 25... | 1545 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR

LOCATION.--Lat 35°28'21", long 93°48'46", in SW 1/4 sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi southeast of Ozark, and at mile 272.9.

DRAINAGE AREA.--151,801 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.
SUSPENDED SEDIMENT DISCHARGE: October 1974 to September 1975.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0900 | 9 | 9827 | 9827 | -- | 50 | 8.1 | 14.0 | 20.0 | 8.2 |
| NOV | | | | | | | | | | |
| 15... | 1635 | 9 | 9827 | 9827 | 24400 | -- | 8.0 | 12.0 | 12.0 | 20 |
| DEC | | | | | | | | | | |
| 06... | 1440 | 9 | 9827 | 9827 | 33700 | -- | 7.9 | 5.0 | 8.0 | 20 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1545 | 9 | 9827 | 9827 | -- | 8900 | 8.0 | 3.0 | 2.0 | 7.0 |
| FEB | | | | | | | | | | |
| 07... | 1600 | 9 | 9827 | 9827 | 15300 | -- | 8.9 | 12.0 | 6.0 | 7.0 |
| MAR | | | | | | | | | | |
| 06... | 1515 | 9 | 9827 | 9827 | 64800 | -- | 7.8 | 12.0 | 10.0 | 40 |
| APR | | | | | | | | | | |
| 17... | 1530 | 9 | 9827 | 9827 | 134000 | -- | 7.8 | 19.0 | -- | 60 |
| MAY | | | | | | | | | | |
| 15... | 1550 | 9 | 9827 | 9827 | 48800 | -- | 7.7 | 25.0 | 23.0 | 45 |
| JUN | | | | | | | | | | |
| 12... | 1500 | 9 | 9827 | 9827 | 32800 | -- | 7.9 | 35.0 | 28.0 | 45 |
| JUL | | | | | | | | | | |
| 24... | 1500 | 9 | 9827 | 9827 | -- | 18300 | 8.3 | 33.0 | 32.0 | 8.6 |
| AUG | | | | | | | | | | |
| 28... | 0830 | 9 | 9827 | 9827 | -- | 130 | 8.3 | 27.0 | 29.0 | 7.0 |
| SEP | | | | | | | | | | |
| 25... | 1620 | 9 | 9827 | 9827 | -- | 130 | 8.1 | 17.0 | 24.0 | 7.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0900 | 6.3 | 1.3 | 20 | 57 | 120 | 399 | .54 | 12 | .05 |
| NOV | | | | | | | | | | |
| 15... | 1635 | 10.2 | 1.1 | 28 | 64 | 120 | 430 | .58 | 14 | .32 |
| DEC | | | | | | | | | | |
| 06... | 1440 | 11.5 | 1.3 | 110 | 50 | 92 | 349 | .47 | 17 | .43 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1545 | 15.5 | 1.8 | 4 | 48 | 60 | 272 | .37 | 11 | .41 |
| FEB | | | | | | | | | | |
| 07... | 1600 | 16.9 | 4.4 | <4 | 55 | 93 | 325 | .44 | 20 | .01 |
| MAR | | | | | | | | | | |
| 06... | 1515 | 11.3 | 2.5 | 200 | -- | 210 | 516 | .70 | 45 | -- |
| APR | | | | | | | | | | |
| 17... | 1530 | 9.6 | 1.7 | 30 | 48 | 82 | 357 | .49 | 58 | .89 |
| MAY | | | | | | | | | | |
| 15... | 1550 | 8.6 | 2.2 | 300 | 51 | 68 | 290 | .39 | 43 | .67 |
| JUN | | | | | | | | | | |
| 12... | 1500 | 7.7 | 1.1 | 20 | 45 | -- | 345 | .47 | -- | .76 |
| JUL | | | | | | | | | | |
| 24... | 1500 | 6.3 | 1.5 | 4 | -- | 110 | 382 | .52 | 14 | .07 |
| AUG | | | | | | | | | | |
| 28... | 0830 | 7.6 | 1.5 | 10 | 56 | 5.0 | 427 | .58 | 8 | .06 |
| SEP | | | | | | | | | | |
| 25... | 1620 | 7.1 | 2.2 | 68 | 53 | 13 | 405 | .55 | 17 | .06 |

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0900 | .070 | .070 | .020 | 0 | 1 | 17 | 15 | 20 |
| NOV | | | | | | | | | |
| 15... | 1635 | <.010 | .090 | .080 | 0 | 17 | 13 | 35 | 20 |
| DEC | | | | | | | | | |
| 06... | 1440 | .020 | .090 | .020 | 0 | 2 | 14 | 50 | 30 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1545 | .050 | .120 | .030 | 0 | -- | 46 | 210 | 30 |
| FEB | | | | | | | | | |
| 07... | 1600 | .030 | .090 | <.010 | 0 | <1 | -- | 56 | -- |
| MAR | | | | | | | | | |
| 06... | 1515 | -- | -- | .080 | 0 | 1 | 11 | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1530 | .100 | .170 | .090 | 0 | 3 | 15 | -- | 40 |
| MAY | | | | | | | | | |
| 15... | 1550 | <.010 | .140 | .040 | 0 | 3 | -- | -- | 30 |
| JUN | | | | | | | | | |
| 12... | 1500 | .030 | .150 | .050 | 1 | 2 | 27 | 47 | 60 |
| JUL | | | | | | | | | |
| 24... | 1500 | .070 | .080 | .040 | 0 | <1 | 21 | 44 | 0 |
| AUG | | | | | | | | | |
| 28... | 0830 | .010 | .080 | .040 | 0 | <1 | 23 | 27 | 40 |
| SEP | | | | | | | | | |
| 25... | 1620 | .060 | .080 | .070 | 0 | 2 | 36 | 32 | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1635 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| DEC, 1983 | | | | | | | | | |
| 06... | 1440 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1545 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| FEB | | | | | | | | | |
| 07... | 1600 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAR | | | | | | | | | |
| 06... | 1515 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 17... | 1530 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 25... | 1620 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07257000 BIG PINEY CREEK NEAR DOVER, AR

LOCATION.--Lat 35°32'58", long 93°09'30", in SW 1/4 NE 1/4 sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Record good.

AVERAGE DISCHARGE.--34 years, 399 $ft^3/s$, 19.78 in/yr, 289,100 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 discharge above base of 7,000 $ft^3/s$ and maximum (*)

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| May 6 | 1800 | 19,600 | 15.70 |
| May 7 | 1800 | *21,000 | 16.19 |

No flow, Oct. 6-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .11 | .83 | 125 | 70 | 163 | 1020 | 854 | 460 | 500 | 20 | 1.6 | .57 |
| 2 | .08 | .80 | 120 | 65 | 157 | 1010 | 785 | 450 | 395 | 18 | 1.6 | .48 |
| 3 | .07 | .75 | 638 | 60 | 158 | 1030 | 1210 | 650 | 307 | 16 | 2.4 | .72 |
| 4 | .07 | .70 | 1020 | 60 | 160 | 2500 | 1040 | 708 | 243 | 14 | 2.0 | .66 |
| 5 | .02 | .62 | 576 | 62 | 151 | 4000 | 880 | 661 | 203 | 8.6 | 1.4 | .65 |
| 6 | .00 | .60 | 374 | 68 | 134 | 1800 | 782 | 4710 | 197 | 12 | 1.1 | .60 |
| 7 | .00 | .55 | 263 | 73 | 123 | 1300 | 705 | 9770 | 229 | 11 | .88 | .52 |
| 8 | .00 | .55 | 205 | 73 | 113 | 1100 | 1410 | 4700 | 201 | 10 | 1.1 | .43 |
| 9 | .00 | .62 | 169 | 73 | 109 | 920 | 2220 | 2080 | 160 | 9.7 | 2.0 | .70 |
| 10 | .00 | .70 | 156 | 91 | 116 | 780 | 1590 | 1510 | 127 | 8.6 | 1.9 | .91 |
| 11 | .02 | .70 | 1700 | 127 | 151 | 670 | 1250 | 1080 | 102 | 8.0 | 1.4 | 1.0 |
| 12 | .30 | .69 | 951 | 139 | 3890 | 800 | 1030 | 846 | 84 | 7.0 | 1.3 | 1.1 |
| 13 | .25 | .70 | 676 | 139 | 2290 | 1200 | 852 | 678 | 70 | 6.1 | 1.1 | .93 |
| 14 | .25 | .78 | 584 | 135 | 1540 | 950 | 741 | 548 | 61 | 5.6 | 4.8 | 2.6 |
| 15 | .27 | .88 | 482 | 128 | 1200 | 880 | 662 | 433 | 53 | 5.1 | 6.1 | 7.2 |
| 16 | .24 | .93 | 383 | 119 | 1030 | 830 | 591 | 359 | 45 | 5.3 | 5.1 | 6.7 |
| 17 | .25 | 1.0 | 300 | 113 | 887 | 1000 | 526 | 286 | 39 | 4.9 | 4.0 | 4.8 |
| 18 | .26 | 1.3 | 260 | 111 | 829 | 1900 | 467 | 231 | 44 | 4.0 | 3.5 | 3.9 |
| 19 | .24 | 82 | 230 | 92 | 833 | 2100 | 419 | 191 | 36 | 3.7 | 3.2 | 3.2 |
| 20 | .25 | 177 | 210 | 88 | 761 | 1700 | 392 | 178 | 36 | 3.4 | 2.6 | 2.5 |
| 21 | .87 | 91 | 190 | 78 | 707 | 1100 | 904 | 173 | 64 | 2.9 | 2.2 | 2.2 |
| 22 | 1.4 | 59 | 170 | 77 | 667 | 820 | 1090 | 160 | 71 | 2.5 | 2.0 | 2.9 |
| 23 | 1.3 | 754 | 155 | 90 | 629 | 726 | 854 | 150 | 51 | 2.2 | 1.8 | 137 |
| 24 | 1.1 | 486 | 150 | 111 | 594 | 1090 | 746 | 140 | 39 | 1.9 | 1.4 | 106 |
| 25 | 1.1 | 198 | 150 | 140 | 553 | 1090 | 662 | 130 | 31 | 1.8 | 1.2 | 64 |
| 26 | 1.1 | 126 | 110 | 165 | 660 | 944 | 610 | 1200 | 27 | 2.2 | 1.1 | 536 |
| 27 | .99 | 182 | 100 | 178 | 2550 | 854 | 570 | 3500 | 25 | 2.7 | .84 | 207 |
| 28 | .99 | 417 | 95 | 183 | 1610 | 1250 | 530 | 2100 | 24 | 2.2 | .81 | 109 |
| 29 | .97 | 256 | 90 | 184 | 1190 | 1460 | 500 | 1400 | 24 | 2.2 | .74 | 75 |
| 30 | .92 | 172 | 85 | 183 | --- | 1130 | 480 | 826 | 24 | 2.2 | .75 | 58 |
| 31 | .86 | --- | 80 | 175 | --- | 955 | --- | 643 | --- | 1.8 | .68 | --- |
| TOTAL | 14.28 | 3013.70 | 10797 | 3450 | 23955 | 38909 | 25352 | 40951 | 3512 | 205.6 | 62.60 | 1337.27 |
| MEAN | .46 | 100 | 348 | 111 | 826 | 1255 | 845 | 1321 | 117 | 6.63 | 2.02 | 44.6 |
| MAX | 1.4 | 754 | 1700 | 184 | 3890 | 4000 | 2220 | 9770 | 500 | 20 | 6.1 | 536 |
| MIN | .00 | .55 | 80 | 60 | 109 | 670 | 392 | 130 | 24 | 1.8 | .68 | .43 |
| CFSM | .00 | .36 | 1.27 | .41 | 3.01 | 4.58 | 3.08 | 4.82 | .43 | .02 | .01 | .16 |
| IN. | .00 | .41 | 1.47 | .47 | 3.25 | 5.28 | 3.44 | 5.56 | .48 | .03 | .01 | .18 |
| AC-FT | 28 | 5980 | 21420 | 6840 | 47510 | 77180 | 50290 | 81230 | 6970 | 408 | 124 | 2650 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL 131870.31 | MEAN | 361 | MAX | 4300 | MIN | .00 | CFSM | 1.32 | IN. | 17.90 | AC-FT | 261600 |
| WTR YR 1984 | TOTAL 151559.45 | MEAN | 414 | MAX | 9770 | MIN | .00 | CFSM | 1.51 | IN. | 20.58 | AC-FT | 300600 |

## 07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, AR

LOCATION.--Lat 35°30'48", long 93°10'24", in SE 1/4 NW 1/4 sec.25, R.20 W., T.9 N., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 164 near Dover.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 0905 | 9 | 9827 | 9827 | .90 | 6.9 | 18.0 | 16.0 | 2.8 | -- |
| 29... | 0920 | 9 | 9827 | 9827 | 276 | 6.9 | 4.0 | 7.0 | 15 | 11.4 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0925 | 9 | 9827 | 9827 | 64 | 6.9 | .0 | .0 | 5.0 | 14.1 |
| 31... | 1015 | 9 | 9827 | 9827 | 189 | 6.8 | 5.0 | 3.0 | 5.0 | 13.6 |
| FEB | | | | | | | | | | |
| 28... | 1225 | 9 | 9827 | 9827 | 1740 | 6.6 | 4.0 | .0 | 15 | 12.3 |
| APR | | | | | | | | | | |
| 24... | 1115 | 9 | 9827 | 9827 | 806 | 6.9 | 27.0 | 16.0 | 5.7 | 10.4 |
| MAY | | | | | | | | | | |
| 01... | 1100 | 9 | 9827 | 9827 | 497 | 6.8 | 21.0 | 18.0 | 9.3 | 10.0 |
| 29... | -- | 9 | 9827 | 9827 | 1510 | 6.7 | 19.0 | 12.0 | 18 | 9.4 |
| JUL | | | | | | | | | | |
| 24... | 1100 | 9 | 9827 | 9827 | 2.0 | 7.1 | 29.0 | 29.0 | 3.0 | 9.4 |
| AUG | | | | | | | | | | |
| 07... | 1035 | 9 | 9827 | 9827 | .95 | 7.2 | 30.0 | 29.0 | 2.0 | 8.8 |
| SEP | | | | | | | | | | |
| 04... | 1110 | 9 | 9827 | 9827 | .71 | 7.2 | 22.0 | 25.0 | 2.0 | 8.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0905 | 1.1 | 68 | 2.0 | 6.5 | 51 | .07 | 4 | .02 |
| 29... | 0920 | 1.0 | 80 | 2.0 | 7.5 | 60 | .08 | 4 | .08 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0925 | .3 | 4 | <1.0 | 4.5 | 53 | .07 | 4 | -- |
| 31... | 1015 | .3 | 4 | 1.0 | 5.5 | 37 | .05 | 3 | .04 |
| FEB | | | | | | | | | |
| 28... | 1225 | 1.1 | 36 | 3.0 | 2.0 | 40 | .05 | 4 | .10 |
| APR | | | | | | | | | |
| 24... | 1115 | 1.0 | 40 | 6.0 | 2.0 | 32 | .04 | 2 | .04 |
| MAY | | | | | | | | | |
| 01... | 1100 | 1.1 | 100 | 2.0 | 1.5 | 40 | .05 | 3 | .03 |
| 29... | -- | 1.1 | K80 | 5.0 | 2.0 | 39 | .05 | 5 | .06 |
| JUL | | | | | | | | | |
| 24... | 1100 | 3.3 | 180 | 3.0 | 3.0 | 44 | .06 | 6 | .05 |
| AUG | | | | | | | | | |
| 07... | 1035 | 3.0 | 40 | -- | -- | 46 | .06 | -- | .03 |
| SEP | | | | | | | | | |
| 04... | 1110 | 3.0 | 20 | 3.0 | 3.5 | 39 | .05 | 2 | .01 |

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0905 | .060 | .010 | <.010 | -- | <1 | <10 | 12 | -- |
| 29... | 0920 | .010 | .030 | <.010 | 3 | 1 | <10 | 37 | 30 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0925 | .050 | .020 | .010 | -- | <1 | -- | -- | -- |
| 31... | 1015 | .020 | .010 | <.010 | 3 | 2 | 25 | 25 | 30 |
| FEB | | | | | | | | | |
| 28... | 1225 | .010 | .030 | .030 | 0 | 2 | <10 | 1 | -- |
| APR | | | | | | | | | |
| 24... | 1115 | .020 | .030 | .010 | 0 | <1 | <10 | <1 | 20 |
| MAY | | | | | | | | | |
| 01... | 1100 | .020 | -- | -- | 0 | <1 | <10 | <1 | 0 |
| 29... | -- | .120 | -- | .020 | 0 | <1 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 24... | 1100 | .010 | .030 | .020 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 07... | 1035 | -- | <.010 | <.010 | 1 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 04... | 1110 | <.010 | .020 | <.010 | -- | <1 | <10 | -- | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 07... | 1035 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07257690 ILLINOIS BAYOU NEAR DOVER, AR

LOCATION.--Lat 35°24'36", long 93°06'00", in SW 1/4 SW 1/4 sec.21, T.8 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 7, 2 mi northwest of Dover.

PERIOD OF RECORD.--November 1984 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 0845 | 9 | 9827 | 9827 | .00 | 6.7 | 17.0 | 16.0 | 6.0 | -- |
| 29... | 0900 | 9 | 9827 | 9827 | 543 | 6.5 | 3.0 | 7.0 | 15 | 11.8 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0900 | 9 | 9827 | 9827 | 36 | 6.4 | -1.0 | .0 | 4.0 | 14.1 |
| 31... | 1000 | 9 | 9827 | 9827 | 95 | 6.5 | 3.0 | 4.0 | 5.0 | 13.1 |
| FEB | | | | | | | | | | |
| 28... | 1205 | 9 | 9827 | 9827 | 1190 | 6.4 | 5.0 | 1.0 | 15 | 12.3 |
| APR | | | | | | | | | | |
| 24... | 1055 | 9 | 9827 | 9827 | 579 | 6.7 | 27.0 | 15.0 | 6.9 | 10.5 |
| MAY | | | | | | | | | | |
| 01... | 1046 | 9 | 9827 | 9827 | 199 | 6.3 | 23.0 | 18.0 | 4.8 | 9.5 |
| 29... | -- | 9 | 9827 | 9827 | 352 | 6.6 | 25.0 | 18.0 | 18 | 9.3 |
| JUL | | | | | | | | | | |
| 24... | 1030 | 9 | 9827 | 9827 | .00 | 6.8 | 28.0 | 28.0 | 3.6 | 8.0 |
| AUG | | | | | | | | | | |
| 07... | 1005 | 9 | 9827 | 9827 | .00 | 6.7 | 30.0 | 27.0 | 3.0 | 7.4 |
| SEP | | | | | | | | | | |
| 04... | 1050 | 9 | 9827 | 9827 | .00 | 6.8 | 21.0 | 25.0 | 5.0 | 8.0 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0845 | 1.5 | 16 | 1.0 | 8.5 | 46 | .06 | 14 | .02 |
| 29... | 0900 | 1.2 | 120 | <1.0 | 4.5 | 45 | .06 | 4 | .30 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0900 | .3 | 4 | <1.0 | 4.5 | 36 | .05 | 1 | -- |
| 31... | 1000 | .4 | 8 | 1.0 | 4.0 | 26 | .04 | 1 | .17 |
| FEB | | | | | | | | | |
| 28... | 1205 | 2.2 | 96 | 4.0 | 3.0 | 36 | .05 | 6 | .18 |
| APR | | | | | | | | | |
| 24... | 1055 | 2.3 | 30 | 5.0 | 2.0 | 30 | .04 | 2 | .06 |
| MAY | | | | | | | | | |
| 01... | 1046 | .4 | 10 | 2.0 | 1.5 | 31 | .04 | <1 | .05 |
| 29... | -- | 1.1 | K150 | 4.0 | 2.0 | 40 | .05 | 5 | .11 |
| JUL | | | | | | | | | |
| 24... | 1030 | 4.9 | 100 | 3.0 | 5.5 | 35 | .05 | 8 | .06 |
| AUG | | | | | | | | | |
| 07... | 1005 | 4.1 | 52 | -- | -- | 44 | .06 | <1 | .06 |
| SEP | | | | | | | | | |
| 04... | 1050 | 1.7 | 32 | 4.0 | 7.0 | 35 | .05 | 6 | .01 |

07257690 ILLINOIS BAYOU NEAR DOVER, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0845 | .030 | .010 | <.010 | 0 | <1 | <10 | <1 | -- |
| 29... | 0900 | .010 | .020 | <.010 | 0 | 1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0900 | .050 | .140 | <.010 | 0 | 1 | -- | -- | -- |
| 31... | 1000 | .040 | .020 | <.010 | 0 | <1 | <10 | <1 | 0 |
| FEB | | | | | | | | | |
| 28... | 1205 | .020 | .040 | .030 | 0 | 1 | <10 | <1 | -- |
| APR | | | | | | | | | |
| 24... | 1055 | .050 | .030 | .010 | 0 | <1 | <10 | <1 | 0 |
| MAY | | | | | | | | | |
| 01... | 1046 | .030 | -- | -- | 0 | <1 | <10 | <1 | 0 |
| 29... | -- | .130 | -- | .020 | 0 | 3 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 24... | 1030 | .030 | .030 | .020 | 4 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 07... | 1005 | <.010 | <.010 | <.010 | 2 | <1 | <10 | <1 | 10 |
| SEP | | | | | | | | | |
| 04... | 1050 | <.010 | .050 | <.010 | -- | <1 | <10 | -- | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 07... | 1005 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07258000 ARKANSAS RIVER AT DARDANELLE, AR

LOCATION.--Lat 35°13'34", long 93°08'58", in SW 1/4 sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi 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 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder at bridge, and totalizing flowmeters on each turbine in Dardanelle Dam 2.0 mi upstream. Datum of gage is 280.16 ft 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.

REMARKS.--Records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 50,000 $ft^3/s$ determined from flow through turbines.

AVERAGE DISCHARGE.--47 years, 34,820 $ft^3/s$, 25,230,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 $ft^3/s$ 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 $ft^3/s$ 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, 139,000 $ft^3/s$ Apr. 12, gage height, 24.7 ft, from graph based on once-daily readings; minimum daily, 50 $ft^3/s$ Dec. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 808 | 32200 | 30300 | 130 | 15900 | 50100 | 136000 | 54000 | 58800 | 18400 | 8400 | 4790 |
| 2 | 206 | 33600 | 29300 | 1620 | 15500 | 41500 | 136000 | 60900 | 59000 | 15200 | 3600 | 3060 |
| 3 | 1010 | 40000 | 35200 | 9080 | 12700 | 43100 | 131000 | 77200 | 58700 | 26100 | 5060 | 205 |
| 4 | 1810 | 40000 | 34700 | 5520 | 10100 | 44300 | 132000 | 66600 | 56000 | 18800 | 2870 | 207 |
| 5 | 1950 | 36800 | 34700 | 12500 | 7690 | 62800 | 128000 | 60800 | 48400 | 21600 | 2720 | 3780 |
| 6 | 1410 | 29800 | 35600 | 12300 | 12300 | 66300 | 131000 | 71000 | 43300 | 16100 | 5350 | 6270 |
| 7 | 3630 | 25800 | 32000 | 249 | 14900 | 61000 | 129000 | 94900 | 33500 | 10700 | 6310 | 9480 |
| 8 | 1360 | 19200 | 29000 | 2520 | 10700 | 60800 | 132000 | 110000 | 34500 | 10200 | 10700 | 6320 |
| 9 | 2560 | 26800 | 35300 | 7390 | 8390 | 56400 | 137000 | 88400 | 29800 | 16500 | 8050 | 3200 |
| 10 | 166 | 32400 | 25100 | 11600 | 9680 | 61400 | 135000 | 76900 | 25900 | 9920 | 11200 | 4580 |
| 11 | 1180 | 29000 | 35300 | 5780 | 6180 | 51400 | 137000 | 66000 | 29900 | 16800 | 6910 | 7850 |
| 12 | 2680 | 27000 | 25700 | 13000 | 31200 | 44300 | 138000 | 57900 | 29400 | 14500 | 3260 | 4920 |
| 13 | 1570 | 18800 | 18800 | 11100 | 33800 | 59300 | 134000 | 53100 | 31200 | 14400 | 7000 | 11000 |
| 14 | 807 | 15800 | 31400 | 2020 | 21900 | 53300 | 131000 | 53400 | 30400 | 10700 | 12700 | 10400 |
| 15 | 1950 | 26800 | 24500 | 1270 | 29600 | 51400 | 127000 | 49200 | 30300 | 3540 | 6710 | 750 |
| 16 | 374 | 17000 | 12700 | 12300 | 20400 | 52300 | 128000 | 44600 | 30100 | 5430 | 6280 | 172 |
| 17 | 4070 | 12600 | 8710 | 7940 | 20400 | 53800 | 125000 | 46800 | 32800 | 8110 | 10200 | 2710 |
| 18 | 3230 | 13800 | 2730 | 10500 | 19500 | 63900 | 114000 | 48200 | 29500 | 3780 | 8790 | 57 |
| 19 | 9920 | 23000 | 13800 | 17200 | 20500 | 57700 | 112000 | 47700 | 32900 | 5840 | 2950 | 2840 |
| 20 | 15400 | 19600 | 20900 | 18800 | 9290 | 70300 | 109000 | 49000 | 28400 | 11600 | 4330 | 3440 |
| 21 | 32200 | 14200 | 19900 | 10000 | 18300 | 86000 | 110000 | 49400 | 26100 | 3410 | 6930 | 2720 |
| 22 | 41600 | 13200 | 15300 | 89 | 16400 | 90000 | 117000 | 41700 | 32800 | 3500 | 10700 | 1630 |
| 23 | 39800 | 33800 | 17400 | 5520 | 15400 | 96800 | 116000 | 33200 | 32400 | 10400 | 4590 | 170 |
| 24 | 37600 | 32200 | 17700 | 7020 | 20700 | 101000 | 116000 | 37000 | 24400 | 5490 | 3980 | 6080 |
| 25 | 48000 | 24000 | 13100 | 6970 | 3370 | 114000 | 111000 | 36800 | 25200 | 8120 | 324 | 1690 |
| 26 | 39000 | 24600 | 50 | 8730 | 12500 | 122000 | 107000 | 21000 | 21300 | 7270 | 248 | 19300 |
| 27 | 40000 | 35000 | 9060 | 4530 | 41100 | 122000 | 93500 | 49800 | 25800 | 7630 | 10800 | 7920 |
| 28 | 33200 | 38900 | 9850 | 2960 | 61900 | 122000 | 78400 | 85300 | 27400 | 3270 | 7960 | 4560 |
| 29 | 34800 | 35300 | 8350 | 1730 | 58600 | 128000 | 66600 | 108000 | 23000 | 324 | 9520 | 3060 |
| 30 | 29200 | 33600 | 7240 | 8500 | --- | 131000 | 66300 | 94100 | 19000 | 4830 | 8410 | 1680 |
| 31 | 29200 | --- | 90 | 9020 | --- | 134000 | --- | 65500 | --- | 4880 | 10800 | --- |
| TOTAL | 460691 | 804800 | 633780 | 227888 | 578900 | 2352200 | 3563800 | 1898400 | 1010200 | 317344 | 207652 | 134841 |
| MEAN | 14860 | 26830 | 20440 | 7351 | 19960 | 75880 | 118800 | 61240 | 33670 | 10240 | 6698 | 4495 |
| MAX | 48000 | 40000 | 35600 | 18800 | 61900 | 134000 | 138000 | 110000 | 59000 | 26100 | 12700 | 19300 |
| MIN | 166 | 12600 | 50 | 89 | 3370 | 41500 | 66300 | 21000 | 19000 | 324 | 248 | 57 |
| AC-FT | 913800 | 1596000 | 1257000 | 452000 | 1148000 | 4666000 | 7069000 | 3765000 | 2004000 | 629500 | 411900 | 267500 |

CAL YR 1983 TOTAL 13932171 MEAN 38170 MAX 131000 MIN 50 AC-FT 27630000
WTR YR 1984 TOTAL 12190496 MEAN 33310 MAX 138000 MIN 50 AC-FT 24180000

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to current year.

COOPERATION.--Sediment records furnished by Corps of Engineers, Little Rock, Ark. Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTMEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUA (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1230 | 9 | 9827 | 9827 | -- | 50 | 7.9 | 27.0 | 23.0 | 7.5 |
| NOV | | | | | | | | | | |
| 01... | 0950 | 9 | 9827 | 9827 | 32200 | -- | 8.0 | 19.0 | 18.0 | 20 |
| 29... | 1000 | 9 | 9827 | 9827 | 35300 | -- | 8.0 | 4.0 | 9.0 | 20 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1005 | 9 | 9827 | 9827 | -- | 21300 | 7.7 | .0 | .0 | 10 |
| 31... | 1100 | 9 | 9827 | 9827 | -- | 10400 | 7.9 | 5.0 | 4.0 | 6.0 |
| FEB | | | | | | | | | | |
| 28... | 1135 | 9 | 9827 | 9827 | 61900 | -- | 8.0 | 4.0 | 1.0 | 35 |
| APR | | | | | | | | | | |
| 24... | 1025 | 9 | 9827 | 9827 | 116000 | -- | 7.9 | 22.0 | 16.0 | 65 |
| MAY | | | | | | | | | | |
| 01... | 1005 | 9 | 9827 | 9827 | 54000 | -- | 7.6 | 19.0 | 18.0 | 50 |
| 29... | 1225 | 9 | 9827 | 9827 | 108000 | -- | 7.8 | 21.0 | 24.0 | 45 |
| JUL | | | | | | | | | | |
| 24... | 1200 | 9 | 9827 | 9827 | -- | 9920 | 8.0 | 30.0 | 30.0 | 6.4 |
| AUG | | | | | | | | | | |
| 07... | 1200 | 9 | 9827 | 9827 | -- | 50 | 7.9 | 33.0 | 29.0 | 6.0 |
| SEP | | | | | | | | | | |
| 04... | 1215 | 9 | 9827 | 9827 | -- | 50 | 8.3 | 22.0 | 27.0 | 6.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1230 | 7.0 | 2.3 | 490 | -- | 16 | 466 | .63 | 14 | .19 |
| NOV | | | | | | | | | | |
| 01... | 0950 | -- | 1.6 | 80 | 66 | 160 | 484 | .66 | 21 | .18 |
| 29... | 1000 | 11.9 | 1.8 | 48 | 59 | 120 | 399 | .54 | 19 | .33 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1005 | 13.6 | 1.0 | 16 | 37 | 53 | 255 | .35 | 9 | -- |
| 31... | 1100 | 14.6 | 1.9 | 44 | 45 | 50 | 246 | .33 | 8 | .34 |
| FEB | | | | | | | | | | |
| 28... | 1135 | 13.4 | 3.1 | 30 | 43 | 90 | 288 | .39 | 40 | .03 |
| APR | | | | | | | | | | |
| 24... | 1025 | 12.0 | 1.5 | <10 | 52 | 72 | 317 | .43 | 55 | .85 |
| MAY | | | | | | | | | | |
| 01... | 1005 | 9.7 | 1.2 | 10 | 47 | 69 | 315 | .43 | 41 | .88 |
| 29... | 1225 | 10.7 | 1.7 | 120 | 58 | 89 | 371 | .50 | 45 | .71 |
| JUL | | | | | | | | | | |
| 24... | 1200 | 6.7 | 5.4 | 650 | 52 | 78 | 326 | .44 | 14 | .15 |
| AUG | | | | | | | | | | |
| 07... | 1200 | 5.9 | 3.3 | 2500 | -- | -- | 362 | .49 | 8 | .12 |
| SEP | | | | | | | | | | |
| 04... | 1215 | 8.5 | 3.9 | -- | 54 | 110 | 401 | .55 | 0 | .31 |

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1230 | .030 | .100 | .010 | 1 | <1 | 22 | 12 | 20 |
| NOV | | | | | | | | | |
| 01... | 0950 | .130 | .100 | .040 | 0 | 7 | 12 | 10 | -- |
| 29... | 1000 | .060 | .080 | .030 | 3 | 2 | 11 | 15 | 40 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1005 | .070 | .170 | .050 | -- | 3 | -- | -- | -- |
| 31... | 1100 | .050 | .180 | .020 | 10 | 2 | 16 | 28 | 40 |
| FEB | | | | | | | | | |
| 28... | 1135 | .040 | .130 | .040 | 0 | 3 | 22 | 59 | -- |
| APR | | | | | | | | | |
| 24... | 1025 | .090 | .150 | .100 | 0 | 2 | 21 | 37 | 70 |
| MAY | | | | | | | | | |
| 01... | 1005 | .090 | -- | -- | 0 | 1 | <10 | 30 | 140 |
| 29... | 1225 | .150 | -- | .090 | 0 | 2 | <10 | 6 | 20 |
| JUL | | | | | | | | | |
| 24... | 1200 | <.010 | .070 | .030 | 1 | <1 | 16 | 2 | 0 |
| AUG | | | | | | | | | |
| 07... | 1200 | .050 | .060 | .040 | 0 | <1 | <10 | <1 | 0 |
| SEP | | | | | | | | | |
| 04... | 1215 | <.010 | .120 | .080 | -- | <1 | <10 | -- | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1230 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1100 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 04... | 1215 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | |
| 1 | 22.0 | 21.5 | 22.0 | 17.0 | 17.0 | 17.0 | 9.0 | 9.0 | 9.0 | 1.0 | 1.0 | 1.0 |
| 2 | 22.0 | 21.5 | 22.0 | 17.5 | 17.0 | 17.5 | 9.0 | 8.5 | 8.5 | 1.0 | 1.0 | 1.0 |
| 3 | 22.5 | 21.5 | 22.0 | 17.5 | 17.5 | 17.5 | 8.5 | 8.5 | 8.5 | 1.0 | 1.0 | 1.0 |
| 4 | 22.0 | 21.5 | 21.5 | 17.5 | 17.5 | 17.5 | 8.5 | 8.5 | 8.5 | 1.0 | 1.0 | 1.0 |
| 5 | 21.5 | 21.0 | 21.5 | 17.5 | 17.5 | 17.5 | 8.5 | 8.0 | 8.5 | 2.0 | 1.0 | 1.5 |
| 6 | 22.0 | 21.5 | 22.0 | 17.5 | 17.0 | 17.5 | 8.0 | 7.5 | 8.0 | 2.0 | 2.0 | 2.0 |
| 7 | 22.0 | 21.5 | 22.0 | 17.0 | 16.5 | 17.5 | 7.5 | 7.5 | 7.5 | 2.0 | 2.0 | 2.0 |
| 8 | 22.0 | 21.5 | 21.5 | 16.5 | 16.0 | 16.5 | 7.5 | 7.0 | 7.5 | 2.0 | 2.0 | 2.0 |
| 9 | 22.0 | 22.0 | 22.0 | 16.5 | 15.5 | 16.0 | 7.0 | 7.0 | 7.0 | 2.0 | 2.0 | 2.0 |
| 10 | 23.0 | 22.0 | 22.0 | 15.5 | 14.5 | 15.0 | 7.0 | 7.0 | 7.0 | 2.5 | 2.0 | 2.5 |
| 11 | 22.5 | 22.0 | 22.0 | 14.5 | 14.0 | 14.0 | 7.5 | 7.0 | 7.0 | 2.5 | 2.5 | 2.5 |
| 12 | 22.0 | 21.5 | 22.0 | 14.0 | 13.0 | 14.0 | 7.5 | 7.5 | 7.5 | 2.5 | 2.5 | 2.5 |
| 13 | 21.5 | 20.5 | 21.5 | 13.0 | 12.5 | 12.5 | 7.5 | 7.0 | 7.0 | 2.5 | 2.5 | 2.5 |
| 14 | 20.5 | 20.5 | 20.5 | 12.5 | 12.5 | 12.5 | 7.0 | 7.0 | 7.0 | 3.0 | 2.5 | 2.5 |
| 15 | 20.5 | 20.5 | 20.5 | 12.5 | 12.5 | 12.5 | 7.0 | 7.0 | 6.5 | 2.5 | 2.5 | 2.5 |
| 16 | 21.5 | 20.5 | 21.0 | 12.5 | 12.5 | 12.5 | 6.5 | 6.5 | 6.0 | 2.5 | 2.5 | 2.5 |
| 17 | 20.5 | 20.0 | 20.5 | 12.5 | 12.0 | 12.0 | 6.0 | 6.0 | 6.0 | 2.5 | 2.0 | 2.5 |
| 18 | 20.5 | 20.0 | 20.0 | 12.0 | 11.5 | 11.5 | 6.0 | 6.0 | 6.0 | 2.0 | 2.0 | 2.0 |
| 19 | 20.0 | 20.0 | 20.0 | 12.0 | 12.0 | 12.0 | 6.0 | 6.0 | 5.5 | --- | --- | --- |
| 20 | 20.0 | 20.0 | 20.0 | 12.0 | 12.0 | 12.0 | 5.5 | 5.5 | 5.0 | --- | --- | --- |
| 21 | 20.0 | 20.0 | 20.0 | 12.0 | 12.0 | 12.0 | 4.5 | 4.5 | 4.5 | --- | --- | --- |
| 22 | 20.0 | 19.5 | 20.0 | 12.0 | 12.0 | 12.0 | 4.0 | 4.0 | 4.0 | 2.0 | 1.5 | 1.5 |
| 23 | 19.5 | 19.0 | 19.5 | 12.5 | 12.0 | 12.0 | 3.5 | 3.5 | 3.0 | 1.5 | 1.5 | 1.5 |
| 24 | 19.0 | 18.5 | 19.0 | 12.5 | 12.0 | 12.5 | 2.5 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 |
| 25 | 18.5 | 18.0 | 18.5 | 12.0 | 11.5 | 11.5 | 1.5 | 1.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 26 | 18.0 | 18.0 | 18.0 | 11.5 | 11.0 | 11.5 | 1.0 | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| 27 | 18.0 | 17.5 | 18.0 | 11.0 | 11.0 | 11.0 | 1.0 | .5 | .5 | 2.0 | 2.0 | 2.0 |
| 28 | 17.5 | 17.5 | 17.5 | 11.0 | 10.0 | 10.5 | .5 | .5 | .5 | 2.0 | 2.0 | 2.0 |
| 29 | 17.5 | 17.0 | 17.5 | 10.0 | 9.5 | 9.5 | .5 | .5 | .5 | 2.5 | 2.0 | 2.5 |
| 30 | 17.5 | 17.0 | 17.5 | 9.5 | 9.0 | 9.5 | .5 | .5 | .5 | 3.0 | 2.5 | 2.5 |
| 31 | 17.0 | 17.0 | 17.0 | --- | --- | --- | 1.0 | .5 | .5 | 3.5 | 3.0 | 3.0 |
| MONTH | 23.0 | 17.0 | 20.5 | 17.5 | 9.0 | 13.5 | 9.0 | .5 | 5.0 | 3.5 | 1.0 | 2.0 |
| | | FEBRUARY | | | MARCH | | | APRIL | | | MAY | |
| 1 | 4.0 | 3.5 | 4.0 | 6.5 | 6.5 | 6.5 | 9.5 | 9.5 | 9.5 | 17.0 | 17.0 | 17.0 |
| 2 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 | 9.5 | 9.5 | 9.5 | 17.5 | 17.0 | 17.5 |
| 3 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 | 9.5 | 9.5 | 9.5 | 17.5 | 17.5 | 17.5 |
| 4 | 4.5 | 4.0 | 4.5 | 7.5 | 6.5 | 7.0 | 9.5 | 9.5 | 9.5 | 17.5 | 17.5 | 17.5 |
| 5 | 4.5 | 4.5 | 4.5 | 7.5 | 7.5 | 7.5 | 9.5 | 9.5 | 9.5 | 17.5 | 17.5 | 17.5 |
| 6 | 4.5 | 4.5 | 4.5 | 7.5 | 7.5 | 7.5 | 10.0 | 9.5 | 10.0 | 17.5 | 17.5 | 17.5 |
| 7 | 4.5 | 4.0 | 4.5 | 7.5 | 7.5 | 7.5 | 10.5 | 10.0 | 10.5 | 17.5 | 17.5 | 17.5 |
| 8 | 4.0 | 4.0 | 4.0 | 7.5 | 7.5 | 7.5 | 10.5 | 10.5 | 10.5 | 17.5 | 17.0 | 17.0 |
| 9 | 4.0 | 4.0 | 4.0 | 7.5 | 7.5 | 7.5 | 10.5 | 10.5 | 10.5 | 18.0 | 17.0 | 17.5 |
| 10 | 4.0 | 4.0 | 4.0 | 7.5 | 7.5 | 7.5 | 11.0 | 10.5 | 11.0 | 18.5 | 18.0 | 18.0 |
| 11 | 4.5 | 4.0 | 4.5 | 7.5 | 7.5 | 7.5 | 11.5 | 11.0 | 11.5 | 19.0 | 18.5 | 18.5 |
| 12 | 5.0 | 4.5 | 4.5 | 7.5 | 7.5 | 7.5 | 12.5 | 11.5 | 12.0 | 19.5 | 19.0 | 19.0 |
| 13 | 6.5 | 5.0 | 6.0 | 8.0 | 7.5 | 7.5 | 12.5 | 12.5 | 12.5 | 21.5 | 19.5 | 20.0 |
| 14 | 6.5 | 6.5 | 6.5 | 8.0 | 8.0 | 8.0 | 12.5 | 12.5 | 12.5 | 21.5 | 21.5 | 21.5 |
| 15 | 7.0 | 6.5 | 6.5 | 8.5 | 8.0 | 8.5 | 12.5 | 12.5 | 12.5 | 21.5 | 21.5 | 21.5 |
| 16 | 7.5 | 7.0 | 7.0 | 9.0 | 8.5 | 8.5 | 12.5 | 12.5 | 12.5 | 21.5 | 21.5 | 21.5 |
| 17 | 8.5 | 7.5 | 8.0 | 9.5 | 9.0 | 9.5 | 12.5 | 12.5 | 12.5 | 21.5 | 21.5 | 21.5 |
| 18 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 9.5 | 12.5 | 12.5 | 12.5 | 21.5 | 21.5 | 21.5 |
| 19 | 9.0 | 8.5 | 8.5 | 9.5 | 9.5 | 9.5 | 13.0 | 12.5 | 12.5 | 22.0 | 21.5 | 21.5 |
| 20 | 9.0 | 9.0 | 9.0 | 9.5 | 9.5 | 9.5 | 13.0 | 13.0 | 13.0 | 22.0 | 22.0 | 22.0 |
| 21 | 9.0 | 9.0 | 9.0 | 9.5 | 9.0 | 9.5 | 13.0 | 13.0 | 13.0 | 22.0 | 22.0 | 22.0 |
| 22 | 9.0 | 9.0 | 9.0 | 9.5 | 9.5 | 9.5 | 13.5 | 13.0 | 13.5 | 22.0 | 22.0 | 22.0 |
| 23 | 9.0 | 8.5 | 9.0 | 9.5 | 9.5 | 9.5 | 13.5 | 13.0 | 13.0 | 23.0 | 22.5 | 22.0 |
| 24 | 8.5 | 8.0 | 8.0 | 9.5 | 9.5 | 9.5 | 13.5 | 13.0 | 13.5 | 23.0 | 23.0 | 23.0 |
| 25 | 8.5 | 8.0 | 8.0 | 9.5 | 9.5 | 9.5 | 14.5 | 13.5 | 14.0 | 23.0 | 23.0 | 23.0 |
| 26 | 8.5 | 8.0 | 8.5 | 9.5 | 9.5 | 9.5 | 14.5 | 14.5 | 14.5 | 23.0 | 23.0 | 23.0 |
| 27 | 8.0 | 8.0 | 8.0 | 9.5 | 9.5 | 9.5 | 15.5 | 14.5 | 15.0 | 23.0 | 23.0 | 23.0 |
| 28 | 8.0 | 7.0 | 7.5 | 9.5 | 9.5 | 9.5 | 16.0 | 15.5 | 15.5 | 23.0 | 23.0 | 23.0 |
| 29 | 7.0 | 6.5 | 6.5 | 9.5 | 9.5 | 9.5 | 16.0 | 16.5 | 16.0 | 23.0 | 22.0 | 22.5 |
| 30 | --- | --- | --- | 10.0 | 9.5 | 9.5 | 17.0 | 16.5 | 16.5 | 22.0 | 22.0 | 22.0 |
| 31 | --- | --- | --- | 10.0 | 9.5 | 10.0 | --- | --- | --- | 22.0 | 22.0 | 22.0 |
| MONTH | 9.0 | 3.5 | 6.5 | 10.0 | 6.5 | 8.5 | 17.0 | 9.5 | 12.5 | 23.0 | 17.0 | 20.5 |

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | |
| 1 | 22.0 | 22.0 | 22.0 | 30.0 | 29.5 | 29.5 | 28.0 | 27.5 | 27.5 | 28.0 | 28.0 | 28.0 |
| 2 | 22.5 | 22.0 | 22.0 | 29.5 | 29.5 | 29.5 | 28.0 | 27.5 | 27.5 | 28.0 | 27.5 | 28.0 |
| 3 | 23.0 | 22.0 | 22.5 | 29.5 | 29.0 | 29.0 | 27.5 | 27.0 | 27.5 | 28.0 | 27.5 | 28.0 |
| 4 | 22.5 | 22.5 | 22.5 | 29.5 | 29.0 | 29.0 | 27.0 | 27.0 | 27.0 | 27.5 | 27.0 | 27.5 |
| 5 | 23.0 | 23.0 | 23.0 | 29.5 | 29.0 | 29.5 | 27.5 | 27.0 | 27.5 | 27.5 | 27.0 | 27.0 |
| 6 | 22.5 | 22.5 | 22.5 | 30.0 | 29.5 | 29.5 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 |
| 7 | 23.0 | 23.0 | 23.0 | 30.0 | 30.0 | 30.0 | 27.0 | 27.0 | 27.0 | 27.0 | 26.5 | 26.5 |
| 8 | 23.5 | 23.0 | 23.5 | 30.0 | 29.0 | 29.5 | 27.0 | 26.5 | 26.5 | 26.5 | 26.0 | 26.5 |
| 9 | 24.0 | 23.5 | 23.5 | 29.0 | 29.0 | 29.0 | 27.0 | 26.5 | 26.5 | 26.0 | 26.0 | 26.0 |
| 10 | 24.5 | 24.0 | 24.5 | 29.0 | 28.5 | 28.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.0 | 26.0 |
| 11 | 25.0 | 24.5 | 24.5 | 29.0 | 29.0 | 29.0 | 27.0 | 26.5 | 26.5 | 26.0 | 25.5 | 26.0 |
| 12 | 25.0 | 25.0 | 25.0 | 29.0 | 29.0 | 29.0 | 27.5 | 27.0 | 27.0 | 26.5 | 25.5 | 26.0 |
| 13 | 26.0 | 25.5 | 25.5 | 29.0 | 29.0 | 29.0 | 27.0 | 27.0 | 27.0 | 25.5 | 25.0 | 25.5 |
| 14 | 27.0 | 26.5 | 26.5 | 29.0 | 29.0 | 29.0 | 27.0 | 26.5 | 27.0 | 26.0 | 25.5 | 25.5 |
| 15 | 27.0 | 27.0 | 27.0 | 29.0 | 29.0 | 29.0 | 27.0 | 26.5 | 27.0 | 26.0 | 25.5 | 26.0 |
| 16 | 27.0 | 27.0 | 27.0 | 29.5 | 29.0 | 29.0 | 27.0 | 27.0 | 27.0 | 25.5 | 25.0 | 25.5 |
| 17 | 27.0 | 27.0 | 27.0 | 29.0 | 29.0 | 29.0 | 27.5 | 27.0 | 27.0 | 25.0 | 24.0 | 24.5 |
| 18 | 28.0 | 27.0 | 27.5 | 29.5 | 29.0 | 29.0 | 27.5 | 27.0 | 27.0 | 25.5 | 24.5 | 25.0 |
| 19 | 28.5 | 28.0 | 28.0 | 29.0 | 28.5 | 29.0 | 27.5 | 27.5 | 27.5 | 25.0 | 24.5 | 25.0 |
| 20 | 29.0 | 28.5 | 28.5 | 28.5 | 28.0 | 28.5 | 28.0 | 27.5 | 27.5 | 24.5 | 24.5 | 24.5 |
| 21 | 29.0 | 28.5 | 28.5 | 28.5 | 28.0 | 28.0 | 27.5 | 27.5 | 27.5 | 24.0 | 24.0 | 24.0 |
| 22 | 29.0 | 29.0 | 29.0 | 28.5 | 28.0 | 28.5 | 28.0 | 27.5 | 27.5 | 24.0 | 24.0 | 24.0 |
| 23 | 30.0 | 29.0 | 29.5 | 28.5 | 28.0 | 28.5 | 28.5 | 28.0 | 28.0 | 25.0 | 24.0 | 24.5 |
| 24 | 30.0 | 30.0 | 30.0 | 28.5 | 28.0 | 28.0 | 28.5 | 28.0 | 28.0 | 24.5 | 24.0 | 24.5 |
| 25 | 30.0 | 30.0 | 30.0 | 28.5 | 28.0 | 28.5 | 28.0 | 27.5 | 28.0 | 25.0 | 24.0 | 24.0 |
| 26 | 30.0 | 30.0 | 30.0 | 29.0 | 28.0 | 28.5 | 29.0 | 27.5 | 28.0 | 24.0 | 23.5 | 24.0 |
| 27 | 30.0 | 30.0 | 30.0 | 29.0 | 28.5 | 29.0 | 28.5 | 28.0 | 28.0 | 23.5 | 23.0 | 23.0 |
| 28 | 30.0 | 30.0 | 30.0 | 29.0 | 28.5 | 29.0 | 28.0 | 28.0 | 28.0 | 23.0 | 22.5 | 23.0 |
| 29 | 30.0 | 30.0 | 30.0 | 28.5 | 28.0 | 28.5 | 28.0 | 28.0 | 28.0 | 22.5 | 22.0 | 22.0 |
| 30 | 30.0 | 30.0 | 30.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.5 | 28.0 | 22.0 | 21.0 | 21.5 |
| 31 | --- | --- | --- | 28.0 | 27.5 | 27.5 | 28.0 | 27.5 | 28.0 | --- | --- | --- |
| MONTH | 30.0 | 22.0 | 26.5 | 30.0 | 27.5 | 29.0 | 29.0 | 26.5 | 27.5 | 28.0 | 21.0 | 25.5 |

## 07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR

LOCATION.--Lat 35°06'25", long 93°55'25", in NW 1/4 NW 1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi downstream from Fletcher Creek, 2.3 mi south of Booneville, and at mile 102.3.

DRAINAGE AREA.--241 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1938 to September 1984. (Discontinued as a continuous-record station, converted to a crest-stage partial-record station.) Prior to October 1965, published as "Petit Jean Creek near Booneville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years (1939-84), 246 $ft^3/s$, 13.86 in/yr, 178,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,200 $ft^3/s$ Apr. 16, 1939, gage height, 23.42 ft, from rating curve extended above 20,500 ft /s on basis of slope-area and contracted-opening measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,620 $ft^3/s$ May 3 at 0400 hours, gage height 15.61 ft, no other peak above base of 4,000 $ft^3/s$; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | .10 | 35 | 11 | 49 | 280 | 386 | 39 | 58 | .63 | 1.8 | .53 |
| 2 | .00 | .07 | 30 | 12 | 47 | 260 | 336 | 1460 | 44 | .54 | 1.9 | .85 |
| 3 | .00 | .05 | 30 | 14 | 48 | 240 | 381 | 3690 | 35 | .50 | 33 | 36 |
| 4 | .00 | .05 | 270 | 16 | 48 | 660 | 307 | 1280 | 29 | 1.4 | 13 | 6.9 |
| 5 | .00 | .03 | 240 | 19 | 43 | 420 | 247 | 905 | 23 | 24 | 5.5 | 2.7 |
| 6 | .00 | .00 | 140 | 21 | 36 | 320 | 209 | 692 | 21 | 5.4 | 3.0 | 1.3 |
| 7 | .00 | .00 | 110 | 21 | 30 | 260 | 184 | 832 | 17 | 6.6 | 1.6 | .63 |
| 8 | .00 | .00 | 90 | 20 | 30 | 220 | 429 | 1020 | 15 | 4.3 | .75 | .36 |
| 9 | .00 | .05 | 80 | 21 | 32 | 190 | 640 | 497 | 13 | 2.8 | .91 | 1.1 |
| 10 | .00 | .14 | 65 | 127 | 39 | 180 | 406 | 323 | 12 | 1.9 | 1.1 | 1.1 |
| 11 | .03 | .15 | 60 | 148 | 65 | 180 | 313 | 230 | 9.7 | 1.2 | .74 | .95 |
| 12 | .27 | .15 | 55 | 147 | 2200 | 1100 | 255 | 174 | 8.3 | 1.9 | 1.3 | 1.2 |
| 13 | .30 | .11 | 190 | 130 | 800 | 900 | 203 | 131 | 7.5 | 1.6 | 1.1 | .88 |
| 14 | .22 | .10 | 150 | 100 | 450 | 700 | 166 | 99 | 6.4 | 9.0 | .69 | .63 |
| 15 | .18 | .08 | 110 | 81 | 350 | 496 | 141 | 75 | 5.2 | 15 | .50 | .47 |
| 16 | .11 | .08 | 95 | 73 | 300 | 647 | 123 | 60 | 4.5 | 6.7 | .40 | .33 |
| 17 | .13 | .10 | 80 | 68 | 240 | 540 | 107 | 49 | 4.5 | 4.6 | .30 | .19 |
| 18 | .18 | .17 | 70 | 61 | 200 | 462 | 90 | 41 | 4.5 | 2.9 | .24 | .10 |
| 19 | .23 | 9.7 | 60 | 61 | 178 | 656 | 77 | 36 | 6.3 | 1.7 | .17 | .04 |
| 20 | .25 | 6.6 | 55 | 41 | 162 | 462 | 70 | 37 | 18 | 1.2 | .15 | .00 |
| 21 | .36 | 2.7 | 51 | 34 | 143 | 341 | 71 | 68 | 11 | 1.0 | .08 | .00 |
| 22 | .34 | 4.3 | 42 | 31 | 124 | 279 | 69 | 54 | 15 | .77 | .05 | 153 |
| 23 | .28 | 186 | 34 | 44 | 108 | 250 | 56 | 33 | 6.9 | .54 | .02 | 131 |
| 24 | .23 | 109 | 26 | 86 | 93 | 567 | 50 | 26 | 3.9 | .44 | .00 | 29 |
| 25 | .18 | 36 | 19 | 96 | 78 | 508 | 43 | 21 | 2.5 | .33 | .00 | 17 |
| 26 | .15 | 20 | 16 | 90 | 1400 | 383 | 36 | 500 | 1.8 | .30 | .00 | 56 |
| 27 | .15 | 17 | 16 | 83 | 540 | 388 | 34 | 947 | 1.4 | .21 | .00 | 318 |
| 28 | .13 | 43 | 17 | 75 | 400 | 1190 | 28 | 290 | 1.1 | .08 | .00 | 149 |
| 29 | .12 | 48 | 16 | 70 | 330 | 1120 | 37 | 181 | .79 | .66 | .04 | 70 |
| 30 | .10 | 32 | 13 | 65 | --- | 672 | 41 | 120 | .71 | 4.5 | 4.7 | 39 |
| 31 | .10 | --- | 11 | 55 | --- | 474 | --- | 81 | --- | 3.0 | 1.1 | --- |
| TOTAL | 4.04 | 515.73 | 2276 | 1921 | 8563 | 15345 | 5535 | 13991 | 387.00 | 105.70 | 74.14 | 1018.26 |
| MEAN | .13 | 17.2 | 73.4 | 62.0 | 295 | 495 | 185 | 451 | 12.9 | 3.41 | 2.39 | 33.9 |
| MAX | .36 | 186 | 270 | 148 | 2200 | 1190 | 640 | 3690 | 58 | 24 | 33 | 318 |
| MIN | .00 | .00 | 11 | 11 | 30 | 180 | 28 | 21 | .71 | .08 | .00 | .00 |
| CFSM | .00 | .07 | .30 | .26 | 1.22 | 2.05 | .77 | 1.87 | .05 | .01 | .01 | .14 |
| IN. | .00 | .08 | .35 | .30 | 1.32 | 2.37 | .85 | 2.16 | .06 | .02 | .01 | .16 |
| AC-FT | 8.0 | 1020 | 4510 | 3810 | 16980 | 30440 | 10980 | 27750 | 768 | 210 | 147 | 2020 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 74073.89 | MEAN | 203 | MAX | 5610 | MIN | .00 | CFSM | .84 | IN. | 11.43 | AC-FT | 146900 |
| WTR YR 1984 | TOTAL | 49735.87 | MEAN | 136 | MAX | 3690 | MIN | .00 | CFSM | .56 | IN. | 7.68 | AC-FT | 98650 |

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1220 | 9 | 9827 | 9827 | .00 | 7.2 | 28.0 | 20.0 | 6.0 | 5.0 |
| NOV | | | | | | | | | | |
| 15... | 1300 | 9 | 9827 | 9827 | .10 | 7.0 | 18.0 | 12.0 | 4.0 | 4.9 |
| DEC | | | | | | | | | | |
| 06... | 1130 | 9 | 9827 | 9827 | 140 | 6.6 | 6.0 | 7.0 | 50 | 10.3 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1243 | 9 | 9827 | 9827 | 145 | 6.8 | 15.0 | 3.0 | 60 | 12.5 |
| FEB | | | | | | | | | | |
| 07... | 1225 | 9 | 9827 | 9827 | 30 | 7.1 | 18.0 | 5.0 | 20 | 13.1 |
| MAR | | | | | | | | | | |
| 06... | 1145 | 9 | 9827 | 9827 | 320 | 6.6 | 16.0 | 9.0 | 45 | 9.1 |
| APR | | | | | | | | | | |
| 17... | 1215 | 9 | 9827 | 9827 | 106 | 7.1 | 25.0 | 11.0 | 25 | 9.9 |
| MAY | | | | | | | | | | |
| 15... | 1125 | 9 | 9827 | 9827 | 76 | 6.8 | 22.0 | 22.0 | 25 | 7.4 |
| JUN | | | | | | | | | | |
| 12... | 1130 | 9 | 9827 | 9827 | 8.4 | 7.0 | 30.0 | 27.0 | 20 | 7.0 |
| JUL | | | | | | | | | | |
| 24... | 1125 | 9 | 9827 | 9827 | .45 | 7.1 | 27.0 | 26.0 | 10 | 5.1 |
| AUG | | | | | | | | | | |
| 28... | 1418 | 9 | 9827 | 9827 | .00 | 7.3 | 35.0 | 31.0 | 6.0 | 6.0 |
| SEP | | | | | | | | | | |
| 25... | 1255 | 9 | 9827 | 9827 | 13 | 7.1 | 25.0 | 25.0 | 60 | 5.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1220 | 2.1 | 12 | 6.0 | 6.5 | 66 | .09 | 6 | .06 |
| NOV | | | | | | | | | |
| 15... | 1300 | 2.7 | 24 | 2.0 | 8.5 | 98 | .13 | 7 | .03 |
| DEC | | | | | | | | | |
| 06... | 1130 | 1.6 | 450 | 10 | 5.5 | 78 | .11 | 20 | .22 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1243 | 1.6 | 610 | 14 | 9.5 | 87 | .12 | 35 | .33 |
| FEB | | | | | | | | | |
| 07... | 1225 | 1.8 | 28 | 17 | 9.0 | 79 | .11 | 8 | .08 |
| MAR | | | | | | | | | |
| 06... | 1145 | 1.4 | 560 | -- | 4.5 | 60 | .08 | 29 | -- |
| APR | | | | | | | | | |
| 17... | 1215 | 1.0 | 50 | 11 | 5.5 | 64 | .09 | 12 | .07 |
| MAY | | | | | | | | | |
| 15... | 1125 | 1.0 | 100 | 13 | 4.5 | 66 | .09 | 12 | .06 |
| JUN | | | | | | | | | |
| 12... | 1130 | 2.2 | 100 | 10 | -- | 61 | .08 | -- | .02 |
| JUL | | | | | | | | | |
| 24... | 1125 | 1.7 | 8 | -- | 5.5 | 70 | .10 | 16 | .02 |
| AUG | | | | | | | | | |
| 28... | 1418 | 1.4 | 80 | 5.0 | 6.0 | 78 | .11 | 6 | .07 |
| SEP | | | | | | | | | |
| 25... | 1255 | 1.7 | 480 | 8.0 | 4.5 | 71 | .10 | 38 | .24 |

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 1220 | .030 | .040 | <.010 | 0 | <1 | 24 | 10 | 30 |
| NOV | | | | | | | | | |
| 15... | 1300 | <.010 | .060 | .030 | 0 | <1 | 12 | 28 | 10 |
| DEC | | | | | | | | | |
| 06... | 1130 | .050 | .080 | .010 | 0 | 4 | 14 | 39 | 20 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1243 | .140 | .120 | .030 | 0 | -- | 56 | 130 | 50 |
| FEB | | | | | | | | | |
| 07... | 1225 | <.010 | .040 | <.010 | 0 | <1 | -- | 58 | -- |
| MAR | | | | | | | | | |
| 06... | 1145 | -- | -- | .050 | 0 | <1 | 15 | -- | 20 |
| APR | | | | | | | | | |
| 17... | 1215 | .030 | .060 | .010 | 0 | 2 | 23 | -- | 20 |
| MAY | | | | | | | | | |
| 15... | 1125 | <.010 | .050 | <.010 | 0 | 2 | -- | -- | 20 |
| JUN | | | | | | | | | |
| 12... | 1130 | <.010 | .070 | .030 | 0 | <1 | 10 | 23 | 70 |
| JUL | | | | | | | | | |
| 24... | 1125 | <.010 | .060 | .020 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 28... | 1418 | .020 | .040 | .010 | 0 | <1 | <10 | 2 | 10 |
| SEP | | | | | | | | | |
| 25... | 1255 | .070 | .120 | .070 | 0 | 2 | 21 | 24 | 10 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 28... | 1418 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at outlet sructure at Blue Mountain Dam on Petit Jean River, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 $mi^2$.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 14... | 1030 | 9 | 80513 | 80513 | .00 | 14.0 | 72 | 7.8 |
| 14... | 1033 | 9 | 80513 | 80513 | 10.0 | 14.0 | 72 | 7.6 |
| 14... | 1035 | 9 | 80513 | 80513 | 14.0 | 14.0 | 72 | 7.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 14... | 1030 | 18.5 | 21.6 | .60 | 7.6 | 82 | 758 |
| 14... | 1033 | 18.5 | -- | -- | 7.4 | -- | -- |
| 14... | 1035 | 18.5 | -- | -- | 7.4 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 01... | 0930 | 9 | 80513 | 80513 | .00 | 14.0 | 78 | 7.1 |
| 01... | 0935 | 9 | 80513 | 80513 | 10.0 | 14.0 | 80 | 7.0 |
| 01... | 0940 | 9 | 80513 | 80513 | 14.0 | 14.0 | 80 | 7.0 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 01... | 0930 | 16.5 | 45.6 | 1.20 | 7.6 | 78 | 761 |
| 01... | 0935 | 16.0 | -- | -- | 7.2 | -- | -- |
| 01... | 0940 | 16.0 | -- | -- | 7.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1610 | 9 | 80513 | 80513 | .00 | 20.0 | 64 | 7.1 | 10.0 | 8.5 | 22.8 |
| 05... | 1611 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- | -- |
| 05... | 1615 | 9 | 80513 | 80010 | 4.00 | 20.0 | 64 | 7.1 | -- | 8.5 | -- |
| 05... | 1618 | 9 | 80513 | 80513 | 10.0 | 20.0 | 64 | 7.1 | -- | 8.5 | -- |
| 05... | 1620 | 9 | 80513 | 80010 | 16.0 | 20.0 | 64 | 7.0 | -- | 8.0 | -- |
| 05... | 1625 | 9 | 80513 | 80513 | 20.0 | 20.0 | 64 | 7.0 | -- | 8.0 | -- |

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1610 | .60 | 10.7 | 93 | 749 | -- | -- | -- | 12 | -- | -- |
| 05... | 1611 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 05... | 1615 | -- | 10.7 | 93 | 749 | 8 | 8.3 | 1.2 | -- | 17 | 0 |
| 05... | 1618 | -- | 10.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 05... | 1620 | -- | 10.7 | 92 | 749 | 10 | 9.5 | 1.8 | -- | 18 | 0 |
| 05... | 1625 | -- | 10.5 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1615 | 0 | 3.3 | 8.0 | 2.2 | 18 | 5.0 | 4.9 | .200 | .090 |
| 05... | 1620 | 0 | 3.3 | 8.0 | 2.3 | 20 | 5.0 | 5.4 | .200 | .340 |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1611 | -- | -- | -- | -- | -- | -- | -- | 4.90 | .800 |
| 05... | 1615 | .11 | .20 | .40 | .030 | .010 | 640 | 190 | -- | -- |
| 05... | 1620 | .46 | .80 | 1.0 | .040 | .010 | 640 | 230 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 12... | 1200 | 9 | 80513 | 80513 | .00 | 20.0 | 50 | 6.8 |
| 12... | 1203 | 9 | 80513 | 80513 | 10.0 | 20.0 | 50 | 6.8 |
| 12... | 1205 | 9 | 80513 | 80513 | 20.0 | 20.0 | 52 | 6.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 12... | 1200 | 4.0 | 50.4 | 1.30 | 12.0 | 92 | 757 |
| 12... | 1203 | 4.0 | -- | -- | 12.0 | -- | -- |
| 12... | 1205 | 4.0 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 06... | 1100 | 9 | 80513 | 80513 | .00 | 32.0 | 66 | 7.0 |
| 06... | 1102 | 9 | 80513 | 80513 | 10.0 | 32.0 | 66 | 7.0 |
| 06... | 1103 | 9 | 80513 | 80513 | 20.0 | 32.0 | 66 | 7.0 |
| 06... | 1104 | 9 | 80513 | 80513 | 30.0 | 32.0 | 66 | 7.0 |
| 06... | 1105 | 9 | 80513 | 80513 | 32.0 | 32.0 | 66 | 7.0 |

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 06... | 1100 | 4.5 | 38.4 | 1.00 | 12.0 | 92 | 768 |
| 06... | 1102 | 4.5 | -- | -- | 12.0 | -- | -- |
| 06... | 1103 | 4.5 | -- | -- | 12.0 | -- | -- |
| 06... | 1104 | 4.5 | -- | -- | 12.0 | -- | -- |
| 06... | 1105 | 4.5 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 19... | 1100 | 9 | 80513 | 80513 | .00 | 28.0 | 50 | 7.0 |
| 19... | 1105 | 9 | 80513 | 80513 | 10.0 | 28.0 | 50 | 7.0 |
| 19... | 1110 | 9 | 80513 | 80513 | 20.0 | 28.0 | 50 | 7.0 |
| 19... | 1115 | 9 | 80513 | 80513 | 28.0 | 28.0 | 50 | 7.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 19... | 1100 | 10.0 | 14.4 | .40 | 10.2 | 92 | 752 |
| 19... | 1105 | 9.5 | -- | -- | 10.0 | -- | -- |
| 19... | 1110 | 9.5 | -- | -- | 10.0 | -- | -- |
| 19... | 1115 | 9.5 | -- | -- | 9.8 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 09... | 1000 | 9 | 80513 | 80513 | .00 | 22.0 | 56 | 7.1 |
| 09... | 1002 | 9 | 80513 | 80513 | 10.0 | 22.0 | 56 | 7.1 |
| 09... | 1004 | 9 | 80513 | 80513 | 20.0 | 22.0 | 56 | 7.1 |
| 09... | 1005 | 9 | 80513 | 80513 | 22.0 | 22.0 | 56 | 7.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 09... | 1000 | 11.5 | 14.4 | .40 | 9.8 | 90 | 757 |
| 09... | 1002 | 11.5 | -- | -- | 9.8 | -- | -- |
| 09... | 1004 | 11.5 | -- | -- | 9.8 | -- | -- |
| 09... | 1005 | 11.5 | -- | -- | 9.8 | -- | -- |

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 08... | 0830 | 9 | 80513 | 80513 | .00 | 40.0 | 52 | 7.8 | 13.0 | 17.0 | 9.6 |
| 08... | 0831 | 9 | 80513 | 80010 | 3.00 | 40.0 | -- | -- | -- | -- | -- |
| 08... | 0835 | 9 | 80513 | 80010 | 8.00 | 40.0 | 52 | 6.8 | -- | 17.0 | -- |
| 08... | 0836 | 9 | 80513 | 80513 | 10.0 | 40.0 | 52 | 7.4 | -- | 17.0 | -- |
| 08... | 0838 | 9 | 80513 | 80513 | 20.0 | 40.0 | 52 | 7.2 | -- | 17.0 | -- |
| 08... | 0839 | 9 | 80513 | 80513 | 30.0 | 40.0 | 52 | 7.2 | -- | 17.0 | -- |
| 08... | 0840 | 9 | 80513 | 80010 | 32.0 | 40.0 | 52 | 6.7 | -- | 17.0 | -- |
| 08... | 0845 | 9 | 80513 | 80513 | 40.0 | 40.0 | 52 | 7.2 | -- | 17.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 08... | 0830 | .20 | 8.0 | 82 | 768 | -- | -- | -- | 30 | -- |
| 08... | 0831 | -- | -- | -- | 768 | -- | -- | -- | -- | -- |
| 08... | 0835 | -- | 8.0 | 82 | 768 | 50 | 23 | 1.8 | -- | 11 |
| 08... | 0836 | -- | 7.8 | -- | -- | -- | -- | -- | -- | -- |
| 08... | 0838 | -- | 7.8 | -- | -- | -- | -- | -- | -- | -- |
| 08... | 0839 | -- | 7.8 | -- | -- | -- | -- | -- | -- | -- |
| 08... | 0840 | -- | 7.6 | 78 | 768 | 50 | 25 | 1.4 | -- | 11 |
| 08... | 0845 | -- | 7.4 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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 | | | | | | | | | | |
| 08... | 0831 | .100 | .090 | .51 | .60 | .70 | .030 | <.010 | 3.50 | .500 |
| 08... | 0835 | .100 | .090 | .41 | .50 | .60 | .040 | <.010 | -- | -- |
| 08... | 0840 | .100 | .100 | .40 | .50 | .60 | .040 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 18... | 1100 | 9 | 80513 | 80513 | .00 | 32.0 | 62 | 7.9 |
| 18... | 1102 | 9 | 80513 | 80513 | 5.00 | 32.0 | 62 | 7.6 |
| 18... | 1104 | 9 | 80513 | 80513 | 10.0 | 32.0 | 62 | 6.9 |
| 18... | 1106 | 9 | 80513 | 80513 | 11.0 | 32.0 | 62 | 6.6 |
| 18... | 1108 | 9 | 80513 | 80513 | 12.0 | 32.0 | 62 | 6.4 |
| 18... | 1110 | 9 | 80513 | 80513 | 13.0 | 32.0 | 62 | 6.3 |
| 18... | 1112 | 9 | 80513 | 80513 | 14.0 | 32.0 | 62 | 6.3 |
| 18... | 1114 | 9 | 80513 | 80513 | 15.0 | 32.0 | 62 | 6.3 |
| 18... | 1116 | 9 | 80513 | 80513 | 20.0 | 32.0 | 62 | 6.4 |
| 18... | 1118 | 9 | 80513 | 80513 | 30.0 | 32.0 | 63 | 6.4 |
| 18... | 1120 | 9 | 80513 | 80513 | 32.0 | 32.0 | 63 | 6.4 |

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 18... | 1100 | 29.5 | 30.0 | .80 | 7.6 | 100 | 762 |
| 18... | 1102 | 28.5 | -- | -- | 7.5 | -- | -- |
| 18... | 1104 | 27.5 | -- | -- | 6.6 | -- | -- |
| 18... | 1106 | 26.5 | -- | -- | 3.7 | -- | -- |
| 18... | 1108 | 25.5 | -- | -- | 2.4 | -- | -- |
| 18... | 1110 | 24.5 | -- | -- | 1.2 | -- | -- |
| 18... | 1112 | 23.5 | -- | -- | .7 | -- | -- |
| 18... | 1114 | 22.5 | -- | -- | .1 | -- | -- |
| 18... | 1116 | 22.0 | -- | -- | .1 | -- | -- |
| 18... | 1118 | 21.0 | -- | -- | .1 | -- | -- |
| 18... | 1120 | 20.5 | -- | -- | .1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 23... | 1100 | 9 | 80513 | 80513 | .00 | 31.0 | 64 | 7.1 | 27.5 | 26.4 |
| 23... | 1102 | 9 | 80513 | 80010 | 3.00 | 31.0 | 64 | 7.0 | 27.5 | -- |
| 23... | 1104 | 9 | 80513 | 80513 | 10.0 | 31.0 | 64 | 6.9 | 27.0 | -- |
| 23... | 1106 | 9 | 80513 | 80513 | 20.0 | 31.0 | 64 | 6.7 | 26.5 | -- |
| 23... | 1108 | 9 | 80513 | 80513 | 28.0 | 31.0 | 80 | 6.6 | 25.5 | -- |
| 23... | 1110 | 9 | 80513 | 80513 | 30.0 | 31.0 | 90 | 6.7 | 25.0 | -- |
| 23... | 1115 | 9 | 80513 | 80513 | 31.0 | 31.0 | 88 | 6.7 | 25.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 23... | 1100 | .70 | 6.4 | 81 | 764 | -- | -- | -- | -- | -- |
| 23... | 1102 | -- | 6.2 | 78 | 764 | <.100 | .030 | <.010 | 20.0 | <.100 |
| 23... | 1104 | -- | 5.5 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1106 | -- | 4.4 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1108 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1110 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1115 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 1530 | 9 | 80513 | 80513 | .00 | 34.0 | 68 | 7.4 | 41.0 |
| 27... | 1531 | 9 | 80513 | 80010 | 3.00 | 34.0 | 68 | 7.2 | -- |
| 27... | 1535 | 9 | 80513 | 80010 | 6.00 | 37.0 | 68 | 7.1 | -- |
| 27... | 1536 | 9 | 80513 | 80513 | 10.0 | 34.0 | 68 | 6.8 | -- |
| 27... | 1538 | 9 | 80513 | 80513 | 20.0 | 34.0 | 70 | 6.7 | -- |
| 27... | 1540 | 9 | 80513 | 80010 | 24.0 | 34.0 | 70 | 6.7 | -- |
| 27... | 1542 | 9 | 80513 | 80513 | 30.0 | 34.0 | 72 | 6.6 | -- |
| 27... | 1545 | 9 | 80513 | 80513 | 34.0 | 34.0 | 72 | 6.6 | -- |

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 1530 | 25.0 | 19.2 | .50 | 7.6 | 92 | 761 | -- | -- |
| 27... | 1531 | 24.0 | -- | -- | 7.3 | 87 | 761 | -- | -- |
| 27... | 1535 | 23.0 | -- | -- | 7.2 | 84 | 761 | 2 | 10 |
| 27... | 1536 | 22.5 | -- | -- | 4.8 | -- | -- | -- | -- |
| 27... | 1538 | 22.5 | -- | -- | 4.0 | -- | -- | -- | -- |
| 27... | 1540 | 22.5 | -- | -- | 3.8 | 44 | 761 | 2 | 17 |
| 27... | 1542 | 22.5 | -- | -- | 3.4 | -- | -- | -- | -- |
| 27... | 1545 | 22.5 | -- | -- | 3.2 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 1530 | -- | 0 | -- | -- | -- | -- | -- | -- |
| 27... | 1531 | -- | -- | -- | -- | -- | -- | 1.90 | <.100 |
| 27... | 1535 | 2.2 | -- | 20 | <.100 | .030 | <.010 | -- | -- |
| 27... | 1540 | 2.4 | -- | 21 | <.100 | .030 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 24... | 1130 | 9 | 80513 | 80513 | .00 | 32.0 | 60 | 7.2 | 21.0 | 21.6 |
| 24... | 1131 | 9 | 80513 | 80010 | 3.00 | 32.0 | 60 | 7.2 | 20.5 | -- |
| 24... | 1132 | 9 | 80513 | 80513 | 10.0 | 32.0 | 62 | 7.0 | 20.0 | -- |
| 24... | 1133 | 9 | 80513 | 80513 | 20.0 | 32.0 | 62 | 6.8 | 20.0 | -- |
| 24... | 1134 | 9 | 80513 | 80513 | 30.0 | 32.0 | 64 | 6.7 | 20.0 | -- |
| 24... | 1135 | 9 | 80513 | 80513 | 32.0 | 32.0 | 64 | 6.7 | 20.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 24... | 1130 | .60 | 7.8 | 87 | 763 | -- | -- | -- | -- |
| 24... | 1131 | -- | 7.2 | 80 | 763 | .030 | .020 | 8.70 | <.100 |
| 24... | 1132 | -- | 6.1 | -- | -- | -- | -- | -- | -- |
| 24... | 1133 | -- | 5.7 | -- | -- | -- | -- | -- | -- |
| 24... | 1134 | -- | 4.6 | -- | -- | -- | -- | -- | -- |
| 24... | 1135 | -- | 4.5 | -- | -- | -- | -- | -- | -- |

## 07259500 PETIT JEAN RIVER NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at Blue Mountain Dam, 1.9 mi southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 $mi^2$.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 14... | 1000 | 9 | 80513 | 80513 | 8.0 | 72 | 7.7 | 18.0 | 8.0 |
| NOV 01... | 0915 | 9 | 80513 | 80513 | 5.0 | 80 | 7.2 | 16.5 | 8.8 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1630 | 9 | 80513 | 80010 | 28 | 64 | 7.1 | 10.0 | 8.0 | 11.2 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1630 | 96 | 749 | 10 | 8.5 | 1.7 | 63 | 20 | 0 |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1630 | 0 | 4.1 | 10 | 2.3 | 20 | 5.0 | 5.9 | .200 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1630 | .120 | 1.4 | 1.5 | 1.7 | .030 | .020 | 610 | 180 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 12... | 1100 | 9 | 80513 | 80513 | 434 | 54 | 6.8 | 4.0 | 12.4 |
| FEB 06... | 1030 | 9 | 80513 | 80513 | 98 | 68 | 7.1 | 4.5 | 12.8 |
| MAR 19... | 1030 | 9 | 80513 | 80513 | 33 | 50 | 7.1 | 10.0 | 11.0 |
| APR 09... | 0930 | 9 | 80513 | 80513 | 876 | 56 | 7.1 | 12.0 | 10.4 |

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 0800 | 9 | 80513 | 80010 | 36 | 53 | 6.9 | 13.0 | 16.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 0800 | 9.2 | 93 | 768 | 50 | 23 | 1.6 | 46 | 10 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|
| MAY 08... | 0800 | .200 | .280 | .22 | .50 | .70 | .030 | .020 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 18... | 1030 | 9 | 80513 | 80513 | 106 | 64 | 6.7 | 25.5 | 6.0 |
| JUL 23... | 1030 | 9 | 80513 | 80513 | 19 | 62 | 7.1 | 27.5 | 7.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|
| AUG 27... | 1500 | 9 | 80513 | 80010 | 65 | 68 | 7.0 | 23.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|
| AUG 27... | 1500 | 6.8 | 1.8 | 8 | <.100 | .020 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 24... | 1100 | 9 | 80513 | 80513 | 26 | 62 | 7.1 | 20.5 | 7.6 |

## 07260020 DUTCH CREEK AT SHARK, AR

LOCATION.--Lat 34°59'58" long 93°30'52", in SE 1/4 NE 1/4 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, Ark., and 2.0 mi west of Macedonia.

DRAINAGE AREA.--107 $mi^2$

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1050 | 9 | 9827 | 9827 | .00 | 7.0 | 20.0 | 15.0 | 40 | -- |
| 29... | 1100 | 9 | 9827 | 9827 | 71 | -- | 8.0 | 8.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1105 | 9 | 9827 | 9827 | 18 | 6.4 | .0 | 1.0 | 9.0 | 12.9 |
| 31... | 1200 | 9 | 9827 | 9827 | 38 | 6.6 | 9.0 | 6.0 | 9.0 | 12.4 |
| FEB | | | | | | | | | | |
| 28... | 1040 | 9 | 9827 | 9827 | 510 | 6.2 | -- | -- | 35 | 11.5 |
| APR | | | | | | | | | | |
| 24... | 0925 | 9 | 9827 | 9827 | 118 | 6.8 | 24.0 | 16.0 | 25 | 9.1 |
| MAY | | | | | | | | | | |
| 01... | 0915 | 9 | 9827 | 9827 | 48 | 6.7 | 17.0 | 17.0 | 15 | 7.8 |
| 29... | 1336 | 9 | 9827 | 9827 | 39 | 6.8 | 24.0 | 21.0 | 20 | 7.9 |
| JUL | | | | | | | | | | |
| 24... | 1345 | 9 | 9827 | 9827 | 7.2 | 7.2 | 29.0 | 27.0 | 6.5 | 8.3 |
| AUG | | | | | | | | | | |
| 07... | 1320 | 9 | 9827 | 9827 | 11 | 7.2 | 30.0 | 27.0 | 20 | 5.6 |
| SEP | | | | | | | | | | |
| 04... | 1330 | 9 | 9827 | 9827 | 1.3 | 7.1 | 27.0 | 24.0 | 4.0 | 6.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1050 | 2.4 | 180 | 3.0 | 10 | 124 | .17 | 22 | .09 |
| 29... | 1100 | -- | 120 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1105 | .4 | 52 | 1.0 | 7.5 | 60 | .08 | 3 | -- |
| 31... | 1200 | .7 | 24 | 7.0 | 7.5 | 47 | .06 | 4 | .53 |
| FEB | | | | | | | | | |
| 28... | 1040 | 1.2 | 680 | 5.0 | 4.0 | 57 | .08 | 24 | .34 |
| APR | | | | | | | | | |
| 24... | 0925 | 1.4 | 400 | 7.0 | 4.0 | 54 | .07 | 9 | .28 |
| MAY | | | | | | | | | |
| 01... | 0915 | .9 | 90 | 5.0 | 3.5 | 55 | .07 | 10 | .38 |
| 29... | 1336 | 2.1 | 170 | 7.0 | 5.5 | 69 | .09 | 15 | .53 |
| JUL | | | | | | | | | |
| 24... | 1345 | 5.5 | 100 | 4.0 | 9.5 | 65 | .09 | 8 | .10 |
| AUG | | | | | | | | | |
| 07... | 1320 | 1.9 | 92 | -- | -- | 79 | .11 | 8 | .15 |
| SEP | | | | | | | | | |
| 04... | 1330 | 3.1 | 290 | 3.0 | 5.5 | 71 | .10 | 2 | .05 |

07260020 DUTCH CREEK AT SHARK, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1050 | .230 | .080 | .040 | 1 | 3 | <10 | 15 | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1105 | .140 | .020 | .010 | -- | 1 | -- | -- | -- |
| 31... | 1200 | .060 | .050 | .010 | 2 | 2 | 14 | 17 | 10 |
| FEB | | | | | | | | | |
| 28... | 1040 | .060 | .090 | .060 | 0 | 2 | 19 | 36 | -- |
| APR | | | | | | | | | |
| 24... | 0925 | .030 | .060 | .020 | 0 | 1 | <10 | 15 | 30 |
| MAY | | | | | | | | | |
| 01... | 0915 | .070 | -- | -- | 0 | <1 | <10 | 50 | 10 |
| 29... | 1336 | .170 | -- | .050 | 2 | <1 | 25 | 36 | 60 |
| JUL | | | | | | | | | |
| 24... | 1345 | .010 | .070 | .040 | 3 | <1 | 10 | 30 | 40 |
| AUG | | | | | | | | | |
| 07... | 1320 | .070 | .050 | .040 | 3 | 2 | 21 | 31 | 30 |
| SEP | | | | | | | | | |
| 04... | 1330 | .040 | .050 | .010 | -- | <1 | 10 | -- | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 04... | 1330 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07260500 PETIT JEAN RIVER AT DANVILLE, AR

LOCATION.--Lat 35°03'33", long 93°23'44", in NW 1/4 SE 1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mi 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 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. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft.

AVERAGE DISCHARGE.--68 years, 807 $ft^3/s$, 584,700 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, 6,340 $ft^3/s$ May 4, gage height, 21.87 ft; minimum daily, 1.0 $ft^3/s$ Nov. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23 | 2.8 | 365 | 64 | 144 | 1860 | 2470 | 128 | 550 | 2.9 | 19 | 31 |
| 2 | 24 | 2.8 | 703 | 64 | 100 | 2200 | 2610 | 1000 | 1360 | 3.0 | 19 | 23 |
| 3 | 21 | 2.8 | 2360 | 64 | 133 | 2330 | 2660 | 4730 | 1520 | 2.8 | 27 | 21 |
| 4 | 12 | 2.7 | 2740 | 64 | 154 | 2910 | 2670 | 5690 | 1490 | 5.9 | 59 | 21 |
| 5 | 6.3 | 2.5 | 1280 | 71 | 147 | 4410 | 2800 | 3490 | 1440 | 15 | 46 | 16 |
| 6 | 5.0 | 2.0 | 550 | 78 | 137 | 3160 | 2610 | 2270 | 1110 | 18 | 46 | 23 |
| 7 | 4.4 | 1.8 | 1300 | 76 | 133 | 1600 | 2330 | 1630 | 392 | 12 | 46 | 28 |
| 8 | 3.9 | 1.5 | 1460 | 73 | 133 | 1760 | 2370 | 2560 | 146 | 6.2 | 29 | 34 |
| 9 | 3.4 | 1.7 | 1370 | 74 | 133 | 2010 | 2400 | 1460 | 134 | 6.1 | 29 | 36 |
| 10 | 3.1 | 1.7 | 1080 | 251 | 133 | 2660 | 1780 | 1890 | 125 | 6.7 | 57 | 20 |
| 11 | 2.9 | 1.6 | 1520 | 529 | 142 | 2950 | 2140 | 2090 | 121 | 6.4 | 70 | 14 |
| 12 | 4.2 | 1.6 | 1020 | 557 | 2480 | 3370 | 2380 | 1960 | 117 | 8.5 | 62 | 12 |
| 13 | 5.2 | 1.5 | 523 | 476 | 3490 | 3230 | 2320 | 1840 | 115 | 8.0 | 54 | 9.2 |
| 14 | 5.9 | 1.1 | 478 | 367 | 1930 | 2020 | 1900 | 1830 | 113 | 6.4 | 53 | 7.7 |
| 15 | 6.1 | 1.2 | 996 | 311 | 2210 | 1790 | 1540 | 2070 | 104 | 5.2 | 78 | 15 |
| 16 | 6.1 | 1.1 | 1140 | 218 | 2620 | 1780 | 1340 | 975 | 102 | 4.3 | 133 | 16 |
| 17 | 6.8 | 1.0 | 1070 | 217 | 2550 | 2080 | 731 | 166 | 91 | 7.3 | 138 | 14 |
| 18 | 7.1 | 1.1 | 981 | 245 | 2390 | 1710 | 440 | 601 | 94 | 16 | 141 | 15 |
| 19 | 6.8 | 55 | 602 | 235 | 2280 | 1210 | 248 | 1590 | 93 | 11 | 136 | 37 |
| 20 | 6.0 | 211 | 446 | 227 | 2170 | 1580 | 179 | 1940 | 100 | 9.3 | 129 | 42 |
| 21 | 8.3 | 81 | 355 | 159 | 2080 | 2150 | 439 | 2090 | 95 | 8.2 | 131 | 44 |
| 22 | 8.3 | 48 | 293 | 139 | 1930 | 2680 | 837 | 1940 | 50 | 4.9 | 144 | 54 |
| 23 | 8.7 | 279 | 201 | 147 | 1280 | 2810 | 467 | 1860 | 18 | 4.4 | 148 | 56 |
| 24 | 7.0 | 335 | 146 | 169 | 882 | 3030 | 528 | 661 | 14 | 4.3 | 136 | 50 |
| 25 | 6.5 | 168 | 60 | 207 | 535 | 2600 | 521 | 158 | 14 | 5.0 | 111 | 67 |
| 26 | 6.1 | 172 | 84 | 247 | 409 | 2000 | 452 | 421 | 11 | 9.0 | 109 | 109 |
| 27 | 5.4 | 289 | 78 | 245 | 2640 | 1820 | 392 | 780 | 10 | 7.3 | 106 | 113 |
| 28 | 4.2 | 221 | 78 | 233 | 2350 | 1880 | 267 | 736 | 7.2 | 7.1 | 94 | 110 |
| 29 | 3.3 | 165 | 72 | 233 | 1260 | 1960 | 160 | 483 | 4.2 | 14 | 96 | 145 |
| 30 | 3.2 | 307 | 65 | 228 | --- | 1840 | 140 | 499 | 3.0 | 16 | 88 | 184 |
| 31 | 3.0 | --- | 63 | 221 | --- | 1900 | --- | 594 | --- | 15 | 59 | --- |
| TOTAL | 227.2 | 2363.5 | 23479 | 6489 | 36975 | 71290 | 42121 | 50132 | 9543.4 | 256.2 | 2593 | 1366.9 |
| MEAN | 7.33 | 78.8 | 757 | 209 | 1275 | 2300 | 1404 | 1617 | 318 | 8.26 | 81.1 | 45.6 |
| MAX | 24 | 335 | 2740 | 557 | 3490 | 4410 | 2800 | 5690 | 1520 | 18 | 148 | 184 |
| MIN | 2.9 | 1.0 | 60 | 64 | 100 | 1210 | 140 | 128 | 3.0 | 2.8 | 19 | 7.7 |
| AC-FT | 451 | 4690 | 46570 | 12870 | 73340 | 141400 | 83550 | 99440 | 18930 | 508 | 5140 | 2710 |

CAL YR 1983 TOTAL 332571.10 MEAN 911 MAX 10300 MIN 1.0 AC-FT 659700
WTR YR 1984 TOTAL 246836.20 MEAN 674 MAX 5690 MIN 1.0 AC-FT 489400

07260620 CHICKALAH CREEK AT CHICKALAH, AR

LOCATION.--Lat 35°09'36", long 93°17'32", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.

DRAINAGE AREA.--39.1 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1010 | 9 | 9827 | 9827 | 7.0 | 20.0 | 15.0 | 25 | -- |
| 29... | 1020 | 9 | 9827 | 9827 | -- | 6.0 | 6.0 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1025 | 9 | 9827 | 9827 | 6.3 | .0 | .0 | 4.0 | 13.4 |
| 31... | 1120 | 9 | 9827 | 9827 | 6.4 | 6.0 | 4.0 | 10 | 13.0 |
| FEB | | | | | | | | | |
| 28... | 1110 | 9 | 9827 | 9827 | 6.1 | -- | -- | 30 | 12.1 |
| APR | | | | | | | | | |
| 24... | -- | 9 | 9827 | 9827 | 6.7 | 24.0 | 15.0 | 17 | 10.1 |
| MAY | | | | | | | | | |
| 01... | 0945 | 9 | 9827 | 9827 | 6.5 | 17.0 | 16.0 | 15 | 10.5 |
| JUL | | | | | | | | | |
| 24... | 1300 | 9 | 9827 | 9827 | 6.8 | 29.0 | 26.0 | 25 | 3.7 |
| AUG | | | | | | | | | |
| 07... | 1240 | 9 | 9827 | 9827 | 7.1 | 31.0 | 27.0 | 25 | 2.9 |
| SEP | | | | | | | | | |
| 04... | 1245 | 9 | 9827 | 9827 | 7.1 | 25.0 | 25.0 | 30 | 2.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1010 | 4.0 | 28 | 1.0 | 11 | 121 | .16 | 20 | .06 |
| 29... | 1020 | -- | 220 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1025 | .5 | 150 | <1.0 | 5.5 | 48 | .07 | 5 | -- |
| 31... | 1120 | .6 | 80 | 7.0 | 5.5 | 49 | .07 | 4 | .59 |
| FEB | | | | | | | | | |
| 28... | 1110 | .9 | 150 | 6.0 | 4.0 | 54 | .07 | 26 | .44 |
| APR | | | | | | | | | |
| 24... | -- | 1.0 | 370 | 7.0 | 3.0 | 50 | .07 | 14 | .17 |
| MAY | | | | | | | | | |
| 01... | 0945 | .9 | 290 | 4.0 | 2.5 | 50 | .07 | 7 | .25 |
| JUL | | | | | | | | | |
| 24... | 1300 | -- | 80 | 5.0 | 14 | 78 | .11 | 15 | .08 |
| AUG | | | | | | | | | |
| 07... | 1240 | -- | 8 | -- | -- | 120 | .16 | 8 | .05 |
| SEP | | | | | | | | | |
| 04... | 1245 | 1.8 | 32 | 5.0 | 13 | 103 | .14 | 10 | .01 |

07260620 CHICKALAH CREEK NEAR CHICKALAH, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1010 | .270 | .050 | .010 | 1 | 2 | <10 | 16 | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1025 | .050 | .020 | <.010 | -- | 1 | -- | -- | -- |
| 31... | 1120 | <.010 | .030 | <.010 | 2 | 2 | 17 | 12 | 10 |
| FEB | | | | | | | | | |
| 28... | 1110 | .040 | .060 | .050 | 0 | 2 | <10 | 66 | -- |
| APR | | | | | | | | | |
| 24... | -- | .160 | -- | .040 | 2 | <1 | 15 | 28 | 30 |
| MAY | | | | | | | | | |
| 01... | 0945 | .030 | -- | -- | 0 | <1 | <10 | 35 | 0 |
| JUL | | | | | | | | | |
| 24... | 1300 | .170 | .110 | .030 | 3 | <1 | 21 | 130 | 90 |
| AUG | | | | | | | | | |
| 07... | 1240 | .230 | .070 | .020 | 3 | 1 | 19 | 35 | 40 |
| SEP | | | | | | | | | |
| 04... | 1245 | .460 | .070 | <.010 | -- | <1 | 14 | -- | 50 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 04... | 1245 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic Unit 11110203, at Lock and Dam No. 9, 2.0 mi northwest of Oppelo, and at mile 193.0.

DRAINAGE AREA.--154,949 $mi^2$, 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1350 | 9 | 9827 | 9827 | 1800 | 8.5 | 28.0 | 24.0 | 6.0 | 9.4 |
| NOV | | | | | | | | | | |
| 01... | 0730 | 9 | 9827 | 9827 | 26900 | 8.0 | 16.0 | 17.0 | 20 | -- |
| 29... | 0745 | 9 | 9827 | 9827 | 35500 | 8.0 | -4.0 | 9.0 | 20 | 10.6 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0800 | 9 | 9827 | 9827 | 9000 | 7.7 | -4.0 | .0 | 10 | 13.6 |
| 31... | 0845 | 9 | 9827 | 9827 | 7100 | 7.7 | -2.0 | 2.0 | 9.0 | 13.4 |
| FEB | | | | | | | | | | |
| 28... | 1100 | 9 | 9827 | 9827 | 66400 | 7.9 | 4.0 | 7.0 | 50 | 10.8 |
| APR | | | | | | | | | | |
| 03... | 1007 | 9 | 9827 | 9827 | -- | 7.7 | 18.0 | 12.0 | 60 | 11.2 |
| MAY | | | | | | | | | | |
| 01... | 1027 | 9 | 9827 | 9827 | 61700 | 7.7 | 21.0 | 19.0 | 50 | 9.0 |
| 29... | 0945 | 9 | 9827 | 9827 | 99000 | 7.8 | 19.0 | 22.0 | 45 | 8.5 |
| JUL | | | | | | | | | | |
| 24... | 0900 | 9 | 9827 | 9827 | 13200 | 8.3 | 28.0 | 29.0 | 6.0 | 9.2 |
| AUG | | | | | | | | | | |
| 07... | 0845 | 9 | 9827 | 9827 | 5400 | 8.3 | 31.0 | 20.0 | 5.0 | 8.8 |
| SEP | | | | | | | | | | |
| 04... | 0850 | 9 | 9827 | 9827 | 1800 | 8.3 | 20.0 | 21.0 | 7.0 | 7.1 |
| 25... | 1330 | 9 | 9827 | 9827 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1350 | 2.8 | <4 | -- | 160 | 484 | .66 | 13 | .01 |
| NOV | | | | | | | | | |
| 01... | 0730 | 1.7 | <4 | 61 | 150 | 428 | .58 | 16 | .17 |
| 29... | 0745 | 1.8 | 24 | 58 | 120 | 391 | .53 | 22 | .34 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0800 | 1.2 | 8 | 37 | 57 | 262 | .36 | 10 | -- |
| 31... | 0845 | 1.4 | <4 | 38 | 41 | 206 | .28 | 10 | .36 |
| FEB | | | | | | | | | |
| 28... | 1100 | 3.2 | 250 | 38 | 74 | 252 | .34 | 62 | .08 |
| APR | | | | | | | | | |
| 03... | 1007 | 1.9 | 88 | 60 | 120 | 392 | .53 | 60 | .89 |
| MAY | | | | | | | | | |
| 01... | 1027 | 1.4 | 10 | 47 | 70 | 316 | .43 | 37 | .85 |
| 29... | 0945 | 2.1 | 80 | 54 | 77 | 343 | .47 | 44 | .70 |
| JUL | | | | | | | | | |
| 24... | 0900 | 3.4 | <10 | 53 | 75 | 307 | .42 | 12 | .12 |
| AUG | | | | | | | | | |
| 07... | 0845 | 3.5 | <4 | -- | -- | 339 | .46 | 7 | .02 |
| SEP | | | | | | | | | |
| 04... | 0850 | 2.2 | <4 | 52 | 100 | 381 | .52 | 13 | .01 |

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1350 | .030 | .070 | <.010 | 1 | <1 | 20 | 17 | 20 |
| NOV | | | | | | | | | |
| 01... | 0730 | .050 | .090 | .040 | 2 | 3 | 17 | 15 | -- |
| 29... | 0745 | .100 | .100 | .030 | 4 | 3 | 31 | 11 | 100 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0800 | .100 | .150 | .050 | -- | <1 | -- | -- | -- |
| 31... | 0845 | .070 | .100 | .030 | 4 | 2 | 44 | 110 | 70 |
| FEB | | | | | | | | | |
| 28... | 1100 | .070 | .160 | .050 | 1 | 3 | 18 | 45 | -- |
| APR | | | | | | | | | |
| 03... | 1007 | .210 | .120 | .090 | 0 | <1 | 17 | -- | -- |
| MAY | | | | | | | | | |
| 01... | 1027 | .070 | -- | -- | 0 | 1 | 16 | 22 | 260 |
| 29... | 0945 | .140 | -- | .080 | 3 | 2 | 35 | 130 | 70 |
| JUL | | | | | | | | | |
| 24... | 0900 | .010 | .090 | .040 | 3 | <1 | 33 | <1 | 60 |
| AUG | | | | | | | | | |
| 07... | 0845 | <.010 | .060 | .010 | 5 | 1 | 24 | 49 | 40 |
| SEP | | | | | | | | | |
| 04... | 0850 | <.010 | .090 | .040 | -- | <1 | 26 | -- | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1350 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 03... | 0800 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 03... | 1007 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 25... | 1330 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07260675 WHITE OAK CREEK NEAR ATKINS, AR

LOCATION.--Lat 35°15'16", long 92°53'38", in SW 1/4 NE 1/4 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 mi east of Atkins.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0800 | 9 | 9827 | 9827 | 7.9 | 16.0 | 16.0 | 35 | -- |
| 29... | 0820 | 9 | 9827 | 9827 | 7.3 | .0 | 4.0 | 35 | 9.9 |
| JAN, 1984 | | | | | | | | | |
| 31... | 0920 | 9 | 9827 | 9827 | 7.1 | .0 | 2.0 | 35 | 12.3 |
| FEB | | | | | | | | | |
| 28... | 1440 | 9 | 9827 | 9827 | 6.5 | 4.0 | 9.0 | 35 | 11.1 |
| APR | | | | | | | | | |
| 03... | 1045 | 9 | 9827 | 9827 | 6.9 | 17.0 | 15.0 | 30 | 10.0 |
| MAY | | | | | | | | | |
| 01... | 1106 | 9 | 9827 | 9827 | 7.5 | 20.0 | 19.0 | 25 | 12.1 |
| 29... | 1026 | 9 | 9827 | 9827 | 7.6 | 20.0 | 19.0 | 20 | 7.7 |
| JUL | | | | | | | | | |
| 24... | 0945 | 9 | 9827 | 9827 | 8.5 | 26.0 | 26.0 | 30 | 8.8 |
| AUG | | | | | | | | | |
| 07... | 0910 | 9 | 9827 | 9827 | 8.0 | 26.0 | 26.0 | 30 | 7.9 |
| SEP | | | | | | | | | |
| 04... | 0950 | 9 | 9827 | 9827 | 8.0 | 22.0 | 20.0 | 40 | 8.3 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0800 | 25 | 600 | 15 | 2600 | 4350 | 5.9 | 103 | .13 |
| 29... | 0820 | -- | >600 | 26 | 1100 | 1740 | 2.4 | 50 | .80 |
| JAN, 1984 | | | | | | | | | |
| 31... | 0920 | 7.7 | 410 | 34 | 6.5 | 496 | .67 | 66 | .55 |
| FEB | | | | | | | | | |
| 28... | 1440 | -- | 4000 | 15 | 140 | 317 | .43 | 26 | .56 |
| APR | | | | | | | | | |
| 03... | 1045 | 5.0 | 830 | 22 | 75 | 199 | .27 | 22 | .24 |
| MAY | | | | | | | | | |
| 01... | 1106 | -- | 540 | 33 | 520 | 963 | 1.3 | 42 | .11 |
| 29... | 1026 | -- | 1300 | 27 | 390 | 804 | 1.1 | 21 | .07 |
| JUL | | | | | | | | | |
| 24... | 0945 | -- | 30 | 26 | 410 | 3140 | 4.3 | 38 | .05 |
| AUG | | | | | | | | | |
| 07... | 0910 | 18 | 100 | -- | -- | 3690 | 5.0 | 1 | .04 |
| SEP | | | | | | | | | |
| 04... | 0950 | 17 | 280 | 15 | 230 | 3720 | 5.1 | 70 | .06 |

07260675 WHITE OAK CREEK NEAR ATKINS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0800 | 4.55 | 1.95 | .710 | 1 | 5 | 33 | 21 | -- |
| 29... | 0820 | 2.85 | 1.25 | .730 | 3 | 3 | 21 | 11 | 80 |
| JAN, 1984 | | | | | | | | | |
| 31... | 0920 | .420 | .500 | .130 | 13 | 5 | 33 | 170 | 100 |
| FEB | | | | | | | | | |
| 28... | 1440 | .290 | .350 | .180 | 1 | 3 | 14 | 45 | -- |
| APR | | | | | | | | | |
| 03... | 1045 | .370 | .220 | .120 | 2 | <1 | 21 | -- | -- |
| MAY | | | | | | | | | |
| 01... | 1106 | .040 | -- | -- | 0 | 2 | 10 | 21 | 20 |
| 29... | 1026 | .340 | -- | .240 | 1 | <1 | 16 | 54 | 40 |
| JUL | | | | | | | | | |
| 24... | 0945 | .050 | .160 | .210 | 3 | 4 | 33 | 88 | 50 |
| AUG | | | | | | | | | |
| 07... | 0910 | .480 | 2.20 | .900 | 6 | 2 | 34 | 81 | 60 |
| SEP | | | | | | | | | |
| 04... | 0950 | .340 | 2.55 | 1.40 | -- | 4 | 28 | -- | 40 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 07... | 0910 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07261000 CADRON CREEK NEAR GUY, AR

LOCATION.--Lat 35°17'56", long 92°24'10", in NW 1/4 SE 1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 $mi^2$.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 283 $ft^3/s$, 22.74 in/yr, 205,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 $ft^3/s$ Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 $ft^3/s$; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,010 $ft^3/s$ Feb. 12, at 1900 hours, gage height, 10.91 ft, no other peak above base of 4,000 $ft^3/s$; no flow Oct. 1-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | .68 | 57 | 76 | 136 | 454 | 268 | 74 | 48 | 4.5 | 2.4 | .90 |
| 2 | .00 | .60 | 374 | 74 | 131 | 376 | 280 | 70 | 43 | 3.8 | 3.0 | .98 |
| 3 | .00 | .60 | 2320 | 80 | 133 | 319 | 985 | 1350 | 40 | 3.7 | 7.7 | 1.4 |
| 4 | .00 | .67 | 1610 | 84 | 130 | 548 | 824 | 1450 | 36 | 3.6 | 28 | 1.5 |
| 5 | .00 | .70 | 797 | 94 | 123 | 1680 | 641 | 904 | 33 | 3.9 | 20 | 1.4 |
| 6 | .00 | .70 | 589 | 96 | 98 | 982 | 494 | 755 | 30 | 3.6 | 13 | 1.3 |
| 7 | .00 | .70 | 409 | 90 | 79 | 720 | 376 | 1140 | 29 | 3.1 | 11 | 1.2 |
| 8 | .00 | .70 | 310 | 80 | 73 | 567 | 698 | 1930 | 27 | 2.4 | 8.5 | 1.1 |
| 9 | .00 | .74 | 248 | 78 | 74 | 441 | 1570 | 973 | 25 | 1.7 | 7.2 | 2.1 |
| 10 | .00 | .80 | 225 | 119 | 76 | 372 | 974 | 691 | 22 | 1.5 | 6.3 | 28 |
| 11 | .00 | .80 | 1040 | 180 | 79 | 344 | 737 | 501 | 20 | 1.5 | 5.4 | 23 |
| 12 | .00 | .80 | 783 | 166 | 2450 | 408 | 605 | 361 | 18 | 1.4 | 4.4 | 13 |
| 13 | .00 | .80 | 580 | 151 | 2350 | 675 | 572 | 276 | 17 | 1.3 | 4.1 | 8.1 |
| 14 | .00 | .80 | 728 | 134 | 1280 | 560 | 439 | 224 | 16 | 1.2 | 4.2 | 5.3 |
| 15 | .00 | .80 | 540 | 119 | 908 | 469 | 370 | 169 | 14 | 1.3 | 4.5 | 4.0 |
| 16 | .00 | .80 | 392 | 111 | 847 | 413 | 320 | 138 | 14 | 20 | 3.5 | 2.7 |
| 17 | .03 | .80 | 309 | 109 | 700 | 456 | 274 | 114 | 18 | 29 | 2.8 | 2.2 |
| 18 | .15 | .80 | 258 | 106 | 578 | 525 | 220 | 94 | 15 | 39 | 2.6 | 1.8 |
| 19 | .20 | 3.2 | 212 | 94 | 519 | 458 | 184 | 81 | 14 | 20 | 2.8 | 1.4 |
| 20 | .30 | 6.6 | 181 | 92 | 411 | 383 | 157 | 87 | 17 | 14 | 2.4 | 1.1 |
| 21 | .40 | 24 | 181 | 98 | 350 | 322 | 236 | 139 | 35 | 9.7 | 2.3 | .91 |
| 22 | .60 | 23 | 248 | 85 | 308 | 264 | 237 | 123 | 32 | 7.4 | 2.5 | 1.6 |
| 23 | 1.0 | 53 | 184 | 96 | 275 | 226 | 164 | 136 | 19 | 5.8 | 3.1 | 1.8 |
| 24 | 1.3 | 225 | 160 | 272 | 234 | 303 | 135 | 105 | 14 | 4.5 | 3.0 | 1.6 |
| 25 | 1.3 | 78 | 158 | 301 | 199 | 354 | 115 | 83 | 12 | 3.5 | 2.5 | 1.4 |
| 26 | .99 | 49 | 119 | 293 | 179 | 287 | 99 | 75 | 9.8 | 2.9 | 2.3 | 1.2 |
| 27 | .94 | 45 | 110 | 266 | 742 | 279 | 87 | 78 | 8.6 | 2.4 | 2.0 | .97 |
| 28 | .83 | 183 | 109 | 242 | 757 | 408 | 85 | 85 | 7.4 | 2.1 | 1.8 | .90 |
| 29 | .74 | 123 | 105 | 211 | 558 | 414 | 77 | 76 | 6.1 | 4.4 | 1.5 | .83 |
| 30 | .70 | 78 | 97 | 181 | --- | 345 | 78 | 59 | 5.2 | 4.0 | 1.3 | .80 |
| 31 | .70 | --- | 85 | 153 | --- | 298 | --- | 50 | --- | 2.8 | 1.1 | --- |
| TOTAL | 10.18 | 904.09 | 13518 | 4331 | 14777 | 14650 | 12301 | 12391 | 645.1 | 210.0 | 167.2 | 114.49 |
| MEAN | .33 | 30.1 | 436 | 140 | 510 | 473 | 410 | 400 | 21.5 | 6.77 | 5.39 | 3.82 |
| MAX | 1.3 | 225 | 2320 | 301 | 2450 | 1680 | 1570 | 1930 | 48 | 39 | 28 | 28 |
| MIN | .00 | .60 | 57 | 74 | 73 | 226 | 77 | 50 | 5.2 | 1.2 | 1.1 | .80 |
| CFSM | .00 | .18 | 2.58 | .83 | 3.02 | 2.80 | 2.43 | 2.37 | .13 | .04 | .03 | .02 |
| IN. | .00 | .20 | 2.98 | .95 | 3.25 | 3.22 | 2.71 | 2.73 | .14 | .05 | .04 | .03 |
| AC-FT | 20 | 1790 | 26810 | 8590 | 29310 | 29060 | 24400 | 24580 | 1280 | 417 | 332 | 227 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 80066.20 | MEAN | 219 | MAX | 9080 | MIN | .00 | CFSM | 1.30 | IN. | 17.62 | AC-FT | 158800 |
| WTR YR 1984 | TOTAL | 74019.06 | MEAN | 202 | MAX | 2450 | MIN | .00 | CFSM | 1.20 | IN. | 16.29 | AC-FT | 146800 |

## 07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi west of Conway, and at mile 172.0.

DRAINAGE AREA.--156,386 $mi^2$, of which 22,421 $mi^2$ 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1450 | 9 | 9827 | 9827 | 1100 | 8.5 | 29.0 | 24.0 | 5.2 | 9.5 |
| NOV | | | | | | | | | | |
| 01... | 1420 | 9 | 9827 | 9827 | 25300 | 8.0 | 25.0 | 19.0 | 25 | -- |
| 29... | 1400 | 9 | 9827 | 9827 | 34300 | 7.8 | 14.0 | 9.0 | 30 | 10.7 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1430 | 9 | 9827 | 9827 | 1100 | 7.5 | 8.0 | .0 | 9.0 | 13.7 |
| 31... | 1450 | 9 | 9827 | 9827 | 9400 | 7.4 | 14.0 | 5.0 | 9.0 | 13.3 |
| FEB | | | | | | | | | | |
| 28... | 1000 | 9 | 9827 | 9827 | 62000 | 7.6 | 1.0 | 7.0 | 50 | 10.9 |
| APR | | | | | | | | | | |
| 03... | 0920 | 9 | 9827 | 9827 | -- | 7.6 | 15.0 | 12.0 | 60 | 11.3 |
| MAY | | | | | | | | | | |
| 01... | 0942 | 9 | 9827 | 9827 | 64400 | 7.7 | 22.0 | 18.0 | 50 | 9.7 |
| 29... | 1710 | 9 | 9827 | 9827 | -- | 7.7 | 21.0 | 24.0 | 45 | 8.9 |
| JUL | | | | | | | | | | |
| 24... | 0830 | 9 | 9827 | 9827 | 11400 | 8.4 | 28.0 | 29.0 | 5.2 | 8.6 |
| AUG | | | | | | | | | | |
| 08... | 0830 | 9 | 9827 | 9827 | 6900 | 8.1 | 28.0 | 28.0 | 5.5 | 7.3 |
| SEP | | | | | | | | | | |
| 04... | 0845 | 9 | 9827 | 9827 | 1100 | 8.3 | 27.0 | 27.0 | 5.0 | 7.2 |
| 25... | 1440 | 9 | 9827 | 9827 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1450 | 3.4 | <4 | -- | 160 | 487 | .66 | 11 | .01 |
| NOV | | | | | | | | | |
| 01... | 1420 | 1.9 | 44 | 58 | 120 | 420 | .57 | 26 | .16 |
| 29... | 1400 | 1.9 | 170 | 52 | 110 | 364 | .50 | 32 | .37 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1430 | 1.2 | 8 | 33 | 52 | 228 | .31 | 8 | -- |
| 31... | 1450 | 1.5 | 8 | 33 | 35 | 192 | .26 | 10 | .47 |
| FEB | | | | | | | | | |
| 28... | 1000 | 3.2 | 400 | 33 | 66 | 231 | .31 | 59 | .19 |
| APR | | | | | | | | | |
| 03... | 0920 | 2.0 | 68 | 56 | 110 | 374 | .51 | 58 | .62 |
| MAY | | | | | | | | | |
| 01... | 0942 | 1.5 | 120 | 45 | 70 | 308 | .42 | 41 | .84 |
| 29... | 1710 | 2.1 | 140 | 57 | 79 | 358 | .49 | 50 | .71 |
| JUL | | | | | | | | | |
| 24... | 0830 | 3.0 | <10 | 54 | 72 | 308 | .42 | 13 | .04 |
| AUG | | | | | | | | | |
| 08... | 0830 | 2.6 | <4 | -- | -- | 337 | .46 | 8 | .04 |
| SEP | | | | | | | | | |
| 04... | 0845 | 1.8 | 10 | 51 | 100 | 364 | .50 | 10 | .01 |

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1450 | .040 | .070 | <.010 | 7 | <1 | 18 | 24 | 20 |
| NOV | | | | | | | | | |
| 01... | 1420 | .150 | .120 | .080 | 2 | 4 | 23 | 28 | -- |
| 29... | 1400 | .090 | .100 | .020 | 2 | 4 | 20 | 17 | 220 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1430 | .090 | .160 | .050 | -- | 1 | -- | -- | -- |
| 31... | 1450 | .090 | .110 | .030 | 10 | 2 | 24 | 34 | 80 |
| FEB | | | | | | | | | |
| 28... | 1000 | .090 | .170 | .060 | 6 | 3 | 23 | 60 | -- |
| APR | | | | | | | | | |
| 03... | 0920 | .220 | .130 | .080 | 0 | <1 | 15 | -- | -- |
| MAY | | | | | | | | | |
| 01... | 0942 | .130 | -- | -- | 0 | 2 | 16 | 19 | 320 |
| 29... | 1710 | .130 | -- | .040 | 6 | 3 | 38 | 59 | 100 |
| JUL | | | | | | | | | |
| 24... | 0830 | <.010 | .090 | .040 | 3 | <1 | 33 | 45 | 40 |
| AUG | | | | | | | | | |
| 08... | 0830 | <.010 | .050 | .020 | 3 | 4 | 25 | 31 | 50 |
| SEP | | | | | | | | | |
| 04... | 0845 | <.010 | .070 | .030 | -- | <1 | 22 | -- | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1450 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | 1 |
| APR | | | | | | | | | |
| 03... | 0920 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 25... | 1440 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR

LOCATION.--Lat 34°52'21", long 93°39'24", in NW 1/4 NW 1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi 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 $mi^2$.

### WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Nov. 23 to Jan. 5, which are fair.

AVERAGE DISHCARGE.--45 years, 528 $ft^3/s$, 17.49 in/yr, 382,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 $ft^3/s$ Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 $ft^3/s$ on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|
| Feb. 12 | 1800 | 11,200 | 15.52 |
| May 3 | 0700 | *15,000 | 17.29 |

Minimum discharge, 0.02 $ft^3/s$ Oct. 11, gage height, 0.60 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .32 | .60 | 245 | 85 | 185 | 1270 | 1030 | 153 | 121 | 7.1 | 6.1 | .72 |
| 2 | .28 | .55 | 600 | 75 | 173 | 1010 | 880 | 3580 | 109 | 6.8 | 15 | .88 |
| 3 | .25 | .48 | 1700 | 80 | 168 | 821 | 976 | 12400 | 98 | 7.2 | 18 | 2.3 |
| 4 | .23 | .45 | 4340 | 80 | 160 | 772 | 945 | 4910 | 89 | 6.9 | 12 | 2.6 |
| 5 | .20 | .41 | 3730 | 86 | 150 | 1970 | 751 | 2380 | 81 | 7.9 | 11 | 2.0 |
| 6 | .16 | .39 | 2000 | 96 | 139 | 1390 | 638 | 1750 | 74 | 7.6 | 9.8 | 1.2 |
| 7 | .15 | .37 | 1000 | 93 | 130 | 983 | 555 | 1330 | 67 | 6.5 | 6.8 | .82 |
| 8 | .12 | .35 | 670 | 88 | 124 | 770 | 619 | 1480 | 61 | 6.2 | 5.1 | .59 |
| 9 | .10 | .37 | 456 | 79 | 123 | 623 | 1520 | 1090 | 56 | 6.0 | 4.2 | 1.8 |
| 10 | .07 | .40 | 447 | 109 | 122 | 567 | 1170 | 816 | 51 | 6.0 | 4.1 | 1.8 |
| 11 | .07 | .39 | 860 | 206 | 131 | 563 | 919 | 626 | 46 | 6.0 | 7.9 | 1.2 |
| 12 | .25 | .39 | 2220 | 383 | 6450 | 2250 | 769 | 497 | 42 | 6.0 | 17 | .90 |
| 13 | .21 | .39 | 1740 | 382 | 3500 | 3110 | 633 | 407 | 38 | 6.0 | 14 | .72 |
| 14 | .20 | .40 | 1100 | 336 | 1770 | 1780 | 525 | 337 | 35 | 6.4 | 11 | .65 |
| 15 | .16 | .40 | 760 | 295 | 1230 | 1300 | 452 | 278 | 33 | 8.5 | 15 | .87 |
| 16 | .15 | .42 | 600 | 269 | 1080 | 1070 | 398 | 233 | 31 | 9.4 | 10 | .98 |
| 17 | .53 | .43 | 510 | 247 | 897 | 1240 | 353 | 194 | 28 | 9.8 | 7.4 | 1.0 |
| 18 | 1.5 | .44 | 430 | 229 | 739 | 1360 | 309 | 166 | 26 | 10 | 6.3 | .88 |
| 19 | 1.5 | .46 | 380 | 210 | 666 | 1300 | 274 | 148 | 24 | 57 | 5.4 | .76 |
| 20 | 1.3 | 20 | 285 | 200 | 582 | 1330 | 241 | 163 | 25 | 60 | 4.7 | .66 |
| 21 | 1.8 | 46 | 253 | 190 | 499 | 1070 | 564 | 405 | 27 | 31 | 3.8 | .56 |
| 22 | 1.5 | 65 | 240 | 180 | 444 | 878 | 983 | 535 | 25 | 20 | 3.3 | 2.1 |
| 23 | 1.3 | 260 | 210 | 160 | 398 | 757 | 631 | 350 | 18 | 14 | 3.2 | 6.7 |
| 24 | 1.3 | 735 | 170 | 184 | 355 | 2320 | 482 | 257 | 14 | 11 | 2.8 | 8.5 |
| 25 | 1.3 | 494 | 160 | 239 | 312 | 2000 | 380 | 197 | 13 | 9.4 | 2.4 | 47 |
| 26 | 1.3 | 350 | 150 | 265 | 550 | 1390 | 314 | 173 | 11 | 10 | 1.7 | 64 |
| 27 | 1.2 | 231 | 130 | 261 | 4770 | 1500 | 270 | 162 | 10 | 8.5 | 1.3 | 47 |
| 28 | 1.0 | 250 | 110 | 249 | 2850 | 3410 | 229 | 276 | 9.4 | 6.3 | 1.5 | 55 |
| 29 | .94 | 370 | 110 | 235 | 1730 | 2500 | 198 | 188 | 9.0 | 6.2 | 1.3 | 131 |
| 30 | .82 | 326 | 100 | 218 | --- | 1700 | 170 | 151 | 8.1 | 5.4 | 1.1 | 99 |
| 31 | .74 | --- | 90 | 200 | --- | 1280 | --- | 137 | --- | 3.8 | .89 | --- |
| TOTAL | 20.95 | 3155.09 | 25796 | 6009 | 30427 | 44284 | 18178 | 35769 | 1279.5 | 372.9 | 214.09 | 484.19 |
| MEAN | .68 | 105 | 832 | 194 | 1049 | 1429 | 606 | 1154 | 42.6 | 12.0 | 6.91 | 16.1 |
| MAX | 1.8 | 735 | 4340 | 383 | 6450 | 3410 | 1520 | 12400 | 121 | 60 | 18 | 131 |
| MIN | .07 | .35 | 90 | 75 | 122 | 563 | 170 | 137 | 8.1 | 3.8 | .89 | .56 |
| CFSM | .00 | .26 | 2.03 | .47 | 2.56 | 3.49 | 1.48 | 2.81 | .10 | .03 | .02 | .04 |
| IN. | .00 | .29 | 2.34 | .55 | 2.76 | 4.02 | 1.65 | 3.25 | .12 | .03 | .02 | .04 |
| AC-FT | 42 | 6260 | 51170 | 11920 | 60350 | 87840 | 36060 | 70950 | 2540 | 740 | 425 | 960 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 174886.52 | MEAN | 479 | MAX | 11000 | MIN | .07 | CFSM | 1.17 | IN. | 15.87 | AC-FT | 346900 |
| WTR YR 1984 | TOTAL | 165989.72 | MEAN | 454 | MAX | 12400 | MIN | .07 | CFSM | 1.11 | IN. | 15.06 | AC-FT | 329200 |

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0950 | 9 | 9827 | 9827 | -- | .05 | 6.9 | 21.0 | 20.0 | 4.4 |
| NOV | | | | | | | | | | |
| 01... | 1150 | 9 | 9827 | 9827 | -- | .67 | 6.8 | 21.0 | 16.0 | 6.2 |
| 29... | 1135 | 9 | 9827 | 9827 | 370 | -- | 6.7 | 9.0 | 9.0 | 35 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1150 | 9 | 9827 | 9827 | 80 | -- | 6.7 | 5.0 | .0 | 8.0 |
| 31... | 1240 | 9 | 9827 | 9827 | -- | 198 | 6.6 | 9.0 | 5.0 | 8.0 |
| FEB | | | | | | | | | | |
| 28... | 0859 | 9 | 9827 | 9827 | -- | 3000 | 6.8 | -1.0 | .0 | 30 |
| APR | | | | | | | | | | |
| 24... | 0840 | 9 | 9827 | 9827 | -- | 489 | 6.8 | 28.0 | 17.0 | 25 |
| MAY | | | | | | | | | | |
| 01... | 0850 | 9 | 9827 | 9827 | -- | 152 | 6.6 | 18.0 | 18.0 | 7.1 |
| 29... | 1500 | 9 | 9827 | 9827 | -- | 178 | 6.9 | 20.0 | 23.0 | 9.8 |
| JUL | | | | | | | | | | |
| 24... | 1445 | 9 | 9827 | 9827 | -- | 11 | 7.1 | 29.0 | 30.0 | 3.8 |
| AUG | | | | | | | | | | |
| 07... | 1415 | 9 | 9827 | 9827 | -- | 6.7 | 7.0 | 30.0 | 29.0 | 4.5 |
| SEP | | | | | | | | | | |
| 04... | 1430 | 9 | 9827 | 9827 | -- | 2.5 | 7.2 | 27.0 | 28.0 | 3.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0950 | 8.0 | 2.6 | 16 | 6.0 | 5.5 | 32 | .04 | 4 | .02 |
| NOV | | | | | | | | | | |
| 01... | 1150 | -- | 1.1 | <4 | 4.0 | 5.5 | 49 | .07 | 10 | .02 |
| 29... | 1135 | 11.0 | 1.5 | 44 | 3.0 | 5.0 | 59 | .08 | 11 | .26 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1150 | 14.0 | .3 | 6 | <1.0 | 5.0 | 48 | .07 | 2 | -- |
| 31... | 1240 | 13.1 | .5 | 4 | 2.0 | 5.5 | 32 | .04 | 3 | .12 |
| FEB | | | | | | | | | | |
| 28... | 0859 | 11.4 | 1.4 | 200 | 5.0 | 3.5 | 52 | .07 | 18 | .14 |
| APR | | | | | | | | | | |
| 24... | 0840 | 9.2 | 1.4 | 110 | 9.0 | 4.0 | 47 | .06 | 8 | .11 |
| MAY | | | | | | | | | | |
| 01... | 0850 | 8.6 | 1.1 | 40 | 4.0 | 3.0 | 40 | .05 | 3 | .03 |
| 29... | 1500 | 9.1 | 1.8 | 140 | 7.0 | 2.5 | 45 | .06 | 8 | .10 |
| JUL | | | | | | | | | | |
| 24... | 1445 | 8.3 | 2.0 | 10 | 6.0 | 3.5 | 37 | .05 | 6 | .04 |
| AUG | | | | | | | | | | |
| 07... | 1415 | 7.7 | 2.1 | 20 | -- | -- | 41 | .06 | 4 | .04 |
| SEP | | | | | | | | | | |
| 04... | 1430 | 8.1 | 2.3 | 20 | 5.0 | 5.0 | 42 | .06 | 5 | .01 |

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 11... | 0950 | .010 | .020 | <.010 | 0 | <1 | 14 | 8 | 0 |
| NOV | | | | | | | | | |
| 01... | 1150 | .060 | .010 | .010 | 0 | <1 | <10 | 12 | -- |
| 29... | 1135 | .080 | .050 | .010 | 2 | 2 | 11 | 24 | 40 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1150 | .040 | .130 | .010 | -- | 1 | -- | -- | -- |
| 31... | 1240 | .030 | .010 | <.010 | 5 | 1 | 16 | 14 | 20 |
| FEB | | | | | | | | | |
| 28... | 0859 | .040 | .080 | .050 | 0 | 3 | 18 | 120 | -- |
| APR | | | | | | | | | |
| 24... | 0840 | .030 | .050 | .020 | 3 | <1 | 26 | 39 | 50 |
| MAY | | | | | | | | | |
| 01... | 0850 | .040 | -- | -- | 0 | <1 | <10 | 140 | 40 |
| 29... | 1500 | .130 | -- | .030 | 4 | 1 | 19 | 28 | 60 |
| JUL | | | | | | | | | |
| 24... | 1445 | .010 | .040 | .020 | 2 | <1 | 26 | 27 | 30 |
| AUG | | | | | | | | | |
| 07... | 1415 | <.010 | .010 | <.010 | 3 | <1 | 45 | 31 | 40 |
| SEP | | | | | | | | | |
| 04... | 1430 | <.010 | .060 | .010 | -- | <1 | 14 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 04... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07262000 NIMROD LAKE NEAR NIMROD, AR

LOCATION.--Lat 34°57'07", long 93°09'38", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, at Nimrod Dam on Fourche LaFave River, 4.8 mi west of Nimrod, 10.2 mi upstream from South Fourche LaFave River, and at mile 62.6.

DRAINAGE AREA.--680 $mi^2$.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 14... | 1230 | 9 | 80513 | 80513 | .00 | 30.0 | 46 | 7.4 |
| 14... | 1232 | 9 | 80513 | 80513 | 10.0 | 30.0 | 46 | 7.2 |
| 14... | 1234 | 9 | 80513 | 80513 | 20.0 | 30.0 | 46 | 7.2 |
| 14... | 1235 | 9 | 80513 | 80513 | 30.0 | 30.0 | 46 | 7.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 14... | 1230 | 20.0 | 30.0 | .80 | 6.2 | 68 | 760 |
| 14... | 1232 | 20.0 | -- | -- | 5.8 | -- | -- |
| 14... | 1234 | 19.0 | -- | -- | 5.8 | -- | -- |
| 14... | 1235 | 18.0 | -- | -- | 5.8 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 01... | 1100 | 9 | 80513 | 80513 | .00 | 26.0 | 50 | 7.0 |
| 01... | 1105 | 9 | 80513 | 80513 | 10.0 | 26.0 | 50 | 6.9 |
| 01... | 1110 | 9 | 80513 | 80513 | 20.0 | 26.0 | 50 | 6.9 |
| 01... | 1115 | 9 | 80513 | 80513 | 26.0 | 26.0 | 50 | 7.0 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 01... | 1100 | 17.5 | 49.2 | 1.30 | 7.2 | 75 | 760 |
| 01... | 1105 | 17.0 | -- | -- | 6.9 | -- | -- |
| 01... | 1110 | 17.0 | -- | -- | 6.9 | -- | -- |
| 01... | 1115 | 17.0 | -- | -- | 6.9 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1100 | 9 | 80513 | 80513 | .00 | 41.0 | 40 | 7.1 | 15.5 | 8.5 | 39.6 |
| 05... | 1101 | 9 | 80513 | 80010 | 3.00 | 41.0 | -- | -- | -- | -- | -- |
| 05... | 1105 | 9 | 80513 | 80010 | 8.00 | 41.0 | 40 | 6.8 | -- | 8.5 | -- |
| 05... | 1108 | 9 | 80513 | 80513 | 10.0 | 41.0 | 40 | 7.1 | -- | 8.5 | -- |
| 05... | 1110 | 9 | 80513 | 80513 | 20.0 | 41.0 | 40 | 7.0 | -- | 8.0 | -- |
| 05... | 1112 | 9 | 80513 | 80513 | 30.0 | 41.0 | 40 | 7.0 | -- | 8.0 | -- |
| 05... | 1115 | 9 | 80513 | 80010 | 33.0 | 41.0 | 40 | 6.7 | -- | 8.0 | -- |
| 05... | 1118 | 9 | 80513 | 80513 | 40.0 | 41.0 | 40 | 6.9 | -- | 7.5 | -- |
| 05... | 1120 | 9 | 80513 | 80513 | 41.0 | 41.0 | 41 | 6.9 | -- | 7.5 | -- |

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1100 | 1.00 | 10.5 | 91 | 750 | -- | -- | -- | 7 | -- |
| 05... | 1101 | -- | -- | -- | 750 | -- | -- | -- | -- | -- |
| 05... | 1105 | -- | 10.4 | 90 | 750 | 1 | 4.5 | 2.4 | -- | 11 |
| 05... | 1108 | -- | 10.3 | -- | -- | -- | -- | -- | -- | -- |
| 05... | 1110 | -- | 10.3 | -- | -- | -- | -- | -- | -- | -- |
| 05... | 1112 | -- | 10.2 | -- | -- | -- | -- | -- | -- | -- |
| 05... | 1115 | -- | 10.1 | 87 | 750 | 10 | 8.3 | 1.5 | -- | 11 |
| 05... | 1118 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- |
| 05... | 1120 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1105 | 0 | 0 | 2.0 | 5.0 | 1.5 | 12 | 3.0 | 3.9 | <.100 |
| 05... | 1115 | 0 | 0 | 2.0 | 5.0 | 1.5 | 12 | 3.0 | 4.1 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1101 | -- | -- | -- | -- | -- | -- | -- | 4.10 | 1.20 |
| 05... | 1105 | .320 | .58 | .90 | .020 | <.010 | 390 | 70 | -- | -- |
| 05... | 1115 | .170 | .23 | .40 | .020 | .010 | 650 | 70 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 12... | 1000 | 9 | 80513 | 80513 | .00 | 33.0 | 28 | 6.5 |
| 12... | 1003 | 9 | 80513 | 80513 | 10.0 | 33.0 | 28 | 6.4 |
| 12... | 1005 | 9 | 80513 | 80513 | 20.0 | 33.0 | 28 | 6.4 |
| 12... | 1007 | 9 | 80513 | 80513 | 30.0 | 33.0 | 28 | 6.5 |
| 12... | 1010 | 9 | 80513 | 80513 | 33.0 | 33.0 | 28 | 6.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 12... | 1000 | 4.0 | 45.6 | 1.20 | 11.6 | 89 | 761 |
| 12... | 1003 | 4.0 | -- | -- | 11.4 | -- | -- |
| 12... | 1005 | 4.0 | -- | -- | 11.0 | -- | -- |
| 12... | 1007 | -- | -- | -- | 11.0 | -- | -- |
| 12... | 1010 | 4.0 | -- | -- | 10.8 | -- | -- |

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 06... | 0915 | 9 | 80513 | 80513 | .00 | 32.0 | 42 | 7.6 |
| 06... | 0916 | 9 | 80513 | 80513 | 10.0 | 32.0 | 44 | 7.2 |
| 06... | 0917 | 9 | 80513 | 80513 | 20.0 | 32.0 | 44 | 7.2 |
| 06... | 0918 | 9 | 80513 | 80513 | 30.0 | 32.0 | 44 | 7.1 |
| 06... | 0920 | 9 | 80513 | 80513 | 32.0 | 32.0 | 44 | 7.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 06... | 0915 | 5.0 | 33.6 | .90 | 12.2 | 95 | 766 |
| 06... | 0916 | 5.0 | -- | -- | 12.0 | -- | -- |
| 06... | 0917 | 5.0 | -- | -- | 12.0 | -- | -- |
| 06... | 0918 | 5.0 | -- | -- | 12.2 | -- | -- |
| 06... | 0920 | 5.0 | -- | -- | 12.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 19... | 0930 | 9 | 80513 | 80513 | .00 | 20.0 | 30 | 6.7 |
| 19... | 0935 | 9 | 80513 | 80513 | 10.0 | 20.0 | 30 | 6.7 |
| 19... | 0940 | 9 | 80513 | 80513 | 20.0 | 20.0 | 30 | 6.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 19... | 0930 | 11.0 | 33.6 | .90 | 10.4 | 96 | 750 |
| 19... | 0935 | 11.0 | -- | -- | 10.2 | -- | -- |
| 19... | 0940 | 11.0 | -- | -- | 10.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 09... | 0830 | 9 | 80513 | 80513 | .00 | 34.0 | 30 | 6.9 |
| 09... | 0832 | 9 | 80513 | 80513 | 10.0 | 34.0 | 30 | 6.9 |
| 09... | 0834 | 9 | 80513 | 80513 | 20.0 | 34.0 | 30 | 6.8 |
| 09... | 0837 | 9 | 80513 | 80513 | 30.0 | 34.0 | 32 | 6.8 |
| 09... | 0840 | 9 | 80513 | 80513 | 34.0 | 34.0 | 32 | 6.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 09... | 0830 | 12.0 | 24.0 | .60 | 9.2 | 86 | 757 |
| 09... | 0832 | 12.0 | -- | -- | 9.2 | -- | -- |
| 09... | 0834 | 12.0 | -- | -- | 9.1 | -- | -- |
| 09... | 0837 | 12.0 | -- | -- | 9.1 | -- | -- |
| 09... | 0840 | 11.5 | -- | -- | 9.1 | -- | -- |

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 07... | 1000 | 9 | 80513 | 80513 | .00 | 54.0 | 32 | 7.1 | 18.0 | 17.5 |
| 07... | 1001 | 9 | 80513 | 80010 | 3.00 | 54.0 | -- | -- | -- | -- |
| 07... | 1003 | 9 | 80513 | 80513 | 10.0 | 54.0 | 32 | 7.0 | -- | 17.5 |
| 07... | 1005 | 9 | 80513 | 80010 | 11.0 | 54.0 | 32 | 6.5 | -- | 17.5 |
| 07... | 1007 | 9 | 80513 | 80513 | 20.0 | 54.0 | 30 | 6.9 | -- | 17.0 |
| 07... | 1010 | 9 | 80513 | 80010 | 43.0 | 54.0 | 28 | 6.3 | -- | 15.5 |
| 07... | 1014 | 9 | 80513 | 80513 | 40.0 | 54.0 | 28 | 6.7 | -- | 15.5 |
| 07... | 1015 | 9 | 80513 | 80010 | 43.0 | 54.0 | 28 | 6.7 | -- | 15.5 |
| 07... | 1018 | 9 | 80513 | 80513 | 50.0 | 54.0 | 28 | 6.7 | -- | 15.5 |
| 07... | 1020 | 9 | 80513 | 80513 | 54.0 | 54.0 | 30 | 6.7 | -- | 15.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 07... | 1000 | 32.4 | .80 | 8.2 | 86 | 758 | -- | -- | -- | 36 |
| 07... | 1001 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1003 | -- | -- | 8.1 | -- | -- | -- | -- | -- | -- |
| 07... | 1005 | -- | -- | 8.1 | 85 | 758 | 30 | 12 | 1.9 | -- |
| 07... | 1007 | -- | -- | 8.2 | -- | -- | -- | -- | -- | -- |
| 07... | 1010 | -- | -- | 8.3 | -- | -- | 50 | 21 | -- | -- |
| 07... | 1014 | -- | -- | 8.3 | -- | -- | -- | -- | -- | -- |
| 07... | 1015 | -- | -- | 8.3 | 84 | 758 | -- | -- | 2.0 | -- |
| 07... | 1018 | -- | -- | 8.3 | -- | -- | -- | -- | -- | -- |
| 07... | 1020 | -- | -- | 8.1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | 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 | | | | | | | | | | |
| 07... | 1001 | -- | <.100 | .120 | .58 | .70 | .030 | <.010 | 1.90 | <.100 |
| 07... | 1005 | 8 | <.100 | .120 | .28 | .40 | <.010 | <.010 | -- | -- |
| 07... | 1010 | 6 | <.100 | .120 | .28 | .40 | .030 | .010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 18... | 0830 | 9 | 80513 | 80513 | .00 | 38.0 | 40 | 7.9 |
| 18... | 0832 | 9 | 80513 | 80513 | 6.00 | 38.0 | 46 | 7.5 |
| 18... | 0834 | 9 | 80513 | 80513 | 10.0 | 38.0 | 46 | 7.5 |
| 18... | 0836 | 9 | 80513 | 80513 | 12.0 | 38.0 | 46 | 7.2 |
| 18... | 0838 | 9 | 80513 | 80513 | 15.0 | 38.0 | 50 | 6.8 |
| 18... | 0840 | 9 | 80513 | 80513 | 20.0 | 38.0 | 54 | 6.7 |
| 18... | 0842 | 9 | 80513 | 80513 | 30.0 | 38.0 | 68 | 6.7 |
| 18... | 0845 | 9 | 80513 | 80513 | 38.0 | 38.0 | 94 | 6.7 |

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 18... | 0830 | 29.0 | 45.6 | 1.20 | 8.0 | 104 | 760 |
| 18... | 0832 | 28.0 | -- | -- | 9.0 | -- | -- |
| 18... | 0834 | 27.0 | -- | -- | 5.5 | -- | -- |
| 18... | 0836 | 26.0 | -- | -- | 2.7 | -- | -- |
| 18... | 0838 | 25.0 | -- | -- | .8 | -- | -- |
| 18... | 0840 | 24.0 | -- | -- | .1 | -- | -- |
| 18... | 0842 | 23.0 | -- | -- | .1 | -- | -- |
| 18... | 0845 | 22.0 | -- | -- | .1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 23... | 0830 | 9 | 80513 | 80513 | .00 | 37.0 | 36 | 6.9 | 27.5 | 31.2 |
| 23... | 0832 | 9 | 80513 | 80010 | 3.00 | 37.0 | 36 | 6.9 | 27.5 | -- |
| 23... | 0834 | 9 | 80513 | 80513 | 10.0 | 37.0 | 36 | 6.6 | 27.5 | -- |
| 23... | 0836 | 9 | 80513 | 80513 | 20.0 | 37.0 | 36 | 6.4 | 27.5 | -- |
| 23... | 0838 | 9 | 80513 | 80513 | 25.0 | 37.0 | 42 | 6.4 | 26.0 | -- |
| 23... | 0840 | 9 | 80513 | 80513 | 29.0 | 37.0 | 80 | 6.7 | 25.0 | -- |
| 23... | 0842 | 9 | 80513 | 80513 | 30.0 | 37.0 | 86 | 6.7 | 24.5 | -- |
| 23... | 0844 | 9 | 80513 | 80513 | 32.0 | 37.0 | 92 | 6.8 | 23.5 | -- |
| 23... | 0846 | 9 | 80513 | 80513 | 35.0 | 37.0 | 106 | 6.9 | 22.5 | -- |
| 23... | 0850 | 9 | 80513 | 80513 | 37.0 | 37.0 | 122 | 6.9 | 21.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 23... | 0830 | .80 | 5.2 | 66 | 765 | -- | -- | -- | -- | -- |
| 23... | 0832 | -- | 5.1 | 64 | 765 | <.100 | .020 | <.010 | 19.0 | <.100 |
| 23... | 0834 | -- | 5.0 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0836 | -- | 3.3 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0838 | -- | 1.3 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0840 | -- | .6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0842 | -- | .6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0844 | -- | .6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0846 | -- | .6 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 0850 | -- | .6 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 0900 | 9 | 80513 | 80513 | .00 | 36.0 | 38 | 6.6 | 27.0 |
| 27... | 0901 | 9 | 80513 | 80010 | 3.00 | 36.0 | 38 | 6.5 | -- |
| 27... | 0905 | 9 | 80513 | 80010 | 7.00 | 36.0 | 38 | 6.5 | -- |
| 27... | 0906 | 9 | 80513 | 80513 | 10.0 | 36.0 | 38 | 6.5 | -- |
| 27... | 0908 | 9 | 80513 | 80513 | 20.0 | 36.0 | 38 | 6.5 | -- |
| 27... | 0910 | 9 | 80513 | 80010 | 29.0 | 36.0 | 40 | 6.5 | -- |
| 27... | 0912 | 9 | 80513 | 80513 | 30.0 | 36.0 | 40 | 6.5 | -- |
| 27... | 0914 | 9 | 80513 | 80513 | 32.0 | 36.0 | 68 | 6.7 | -- |
| 27... | 0915 | 9 | 80513 | 80513 | 36.0 | 36.0 | 84 | 6.8 | -- |

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 0900 | 23.5 | 21.6 | .60 | 4.0 | 47 | 763 | -- | -- |
| 27... | 0901 | 23.5 | -- | -- | 4.0 | 47 | 763 | -- | -- |
| 27... | 0905 | 23.5 | -- | -- | 3.6 | 42 | 763 | 3 | 5.0 |
| 27... | 0906 | 23.5 | -- | -- | 3.8 | -- | -- | -- | -- |
| 27... | 0908 | 23.5 | -- | -- | 3.8 | -- | -- | -- | -- |
| 27... | 0910 | 23.5 | -- | -- | 3.6 | 42 | 763 | 2 | 6.5 |
| 27... | 0912 | 23.5 | -- | -- | 3.6 | -- | -- | -- | -- |
| 27... | 0914 | 22.5 | -- | -- | 1.0 | -- | -- | -- | -- |
| 27... | 0915 | 21.5 | -- | -- | .4 | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | |
| 27... | 0900 | -- | 0 | -- | -- | -- | -- | -- | -- |
| 27... | 0901 | -- | -- | -- | -- | -- | -- | 4.60 | <.100 |
| 27... | 0905 | 1.0 | -- | 13 | <.100 | .020 | <.010 | -- | -- |
| 27... | 0910 | 1.4 | -- | 14 | <.100 | .010 | <.010 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 24... | 0930 | 9 | 80513 | 80513 | .00 | 35.0 | 32 | 7.0 | 22.0 | 31.2 |
| 24... | 0931 | 9 | 80513 | 80010 | 3.00 | 35.0 | 32 | 6.9 | 22.0 | -- |
| 24... | 0932 | 9 | 80513 | 80513 | 10.0 | 35.0 | 32 | 6.8 | 21.0 | -- |
| 24... | 0933 | 9 | 80513 | 80513 | 20.0 | 35.0 | 32 | 6.6 | 21.0 | -- |
| 24... | 0934 | 9 | 80513 | 80513 | 30.0 | 35.0 | 32 | 6.5 | 20.5 | -- |
| 24... | 0935 | 9 | 80513 | 80513 | 35.0 | 35.0 | 38 | 6.4 | 20.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 24... | 0930 | .80 | 7.2 | 82 | 764 | -- | -- | -- | -- |
| 24... | 0931 | -- | 6.9 | 79 | 764 | .030 | <.010 | 6.90 | <.100 |
| 24... | 0932 | -- | 6.2 | -- | -- | -- | -- | -- | -- |
| 24... | 0933 | -- | 5.5 | -- | -- | -- | -- | -- | -- |
| 24... | 0934 | -- | 4.8 | -- | -- | -- | -- | -- | -- |
| 24... | 0935 | -- | 2.4 | -- | -- | -- | -- | -- | -- |

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR

LOCATION.--Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod, 9.8 mi upstream from South Fourche LaFave River, and at mile 62.2.

DRAINAGE AREA.--684 $mi^2$.

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 14... | 1200 | 9 | 80513 | 80513 | 4.0 | 46 | 7.2 | 18.5 | 8.0 |
| NOV 01... | 1045 | 9 | 80513 | 80513 | 4.0 | 50 | 7.2 | 16.5 | 8.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1000 | 9 | 80513 | 80010 | 10 | 42 | 6.9 | 15.5 | 8.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1000 | 11.1 | 96 | 751 | 8 | 4.5 | 2.5 | 53 | 11 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1000 | 0 | 0 | 2.1 | 5.0 | 1.5 | 18 | 3.0 | 3.3 |

| DATE | TIME | 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) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) |
|---|---|---|---|---|---|---|---|---|
| DEC 05... | 1000 | <.100 | <.010 | .20 | .020 | <.010 | 360 | 90 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 12... | 0900 | 9 | 80513 | 80513 | 391 | 28 | 6.7 | 3.0 | 12.4 |
| FEB 06... | 0845 | 9 | 80513 | 80513 | 301 | 46 | 7.6 | 4.0 | 12.4 |
| MAR 19... | 0845 | 9 | 80513 | 80513 | 3210 | 30 | 6.9 | 11.0 | 10.8 |
| APR 09... | 0745 | 9 | 80513 | 80513 | 10 | 33 | 6.9 | 11.5 | 9.8 |

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 07... | 0930 | 9 | 80513 | 80010 | 11 | 34 | 6.8 | 17.0 | 6.8 | 50 | 20 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 07... | 0930 | 2.4 | 120 | 8 | .100 | .100 | .30 | .40 | .50 | .030 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 18... | 0745 | 9 | 80513 | 80513 | 42 | 48 | 6.7 | 22.5 | 6.4 |
| JUL 23... | 0800 | 9 | 80513 | 80513 | 40 | 46 | 6.9 | 25.0 | 5.6 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 27... | 0800 | 9 | 80513 | 80010 | 16 | 40 | 6.8 | 23.0 | 21.5 | 6.4 | 72 |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 27... | 0800 | 763 | 3 | 5.5 | 1.0 | 3 | 15 | .100 | .020 | <.010 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 24... | 0900 | 9 | 80513 | 80513 | 39 | 32 | 6.9 | 20.5 | 7.2 |

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, AR

LOCATION.--Lat 34°52'16" long 93°06'38", in NE 1/4 NE 1/4 sec.34, T.3 N., R.20 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 7 at Hollis, Ark., and just above confluence with Bear Creek.

DRAINAGE AREA.--127 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1315 | 9 | 9827 | 9827 | .26 | 6.6 | 24.0 | 16.0 | 3.2 | -- |
| 29... | 1255 | 9 | 9827 | 9827 | 124 | -- | 9.0 | 9.0 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1310 | 9 | 9827 | 9827 | 29 | 6.4 | 10.0 | .0 | 20 | 13.5 |
| 31... | 1335 | 9 | 9827 | 9827 | 66 | 6.5 | 14.0 | 5.0 | 25 | 12.8 |
| FEB | | | | | | | | | | |
| 28... | 1205 | 9 | 9827 | 9827 | 780 | 6.2 | 4.0 | 7.0 | 40 | 11.8 |
| APR | | | | | | | | | | |
| 03... | 1245 | 9 | 9827 | 9827 | 222 | 6.5 | 25.0 | 14.0 | 20 | 10.2 |
| MAY | | | | | | | | | | |
| 01... | 1440 | 9 | 9827 | 9827 | 34 | 6.6 | 27.0 | 22.0 | 7.4 | 9.7 |
| 29... | -- | 9 | 9827 | 9827 | 201 | 6.6 | 20.0 | 20.0 | 40 | -- |
| JUL | | | | | | | | | | |
| 24... | 1545 | 9 | 9827 | 9827 | 3.6 | 6.7 | 31.0 | 29.0 | 30 | 6.2 |
| AUG | | | | | | | | | | |
| 07... | 1515 | 9 | 9827 | 9827 | 4.2 | 7.1 | 34.0 | 28.0 | 9.0 | 8.4 |
| SEP | | | | | | | | | | |
| 04... | 1600 | 9 | 9827 | 9827 | 2.6 | 6.9 | 28.0 | 26.0 | 5.0 | 8.1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1315 | 1.2 | 20 | 2.0 | 4.0 | 50 | .07 | 4 | .05 |
| 29... | 1255 | -- | 80 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1310 | .5 | 12 | <1.0 | 6.5 | 53 | .07 | 3 | -- |
| 31... | 1335 | 1.0 | 4 | 4.0 | 7.5 | 41 | .06 | 28 | .17 |
| FEB | | | | | | | | | |
| 28... | 1205 | 1.6 | 300 | 5.0 | 5.0 | 61 | .08 | 16 | .18 |
| APR | | | | | | | | | |
| 03... | 1245 | 1.1 | 60 | 7.0 | 3.0 | 32 | .04 | 8 | .13 |
| MAY | | | | | | | | | |
| 01... | 1440 | 1.9 | 10 | 5.0 | 7.0 | 51 | .07 | 4 | .07 |
| 29... | -- | 1.6 | 260 | 8.0 | 3.0 | 65 | .09 | 21 | .20 |
| JUL | | | | | | | | | |
| 24... | 1545 | 2.7 | 30 | 7.0 | 4.0 | 47 | .06 | 16 | .20 |
| AUG | | | | | | | | | |
| 07... | 1515 | 2.4 | 4 | -- | -- | 52 | .07 | 5 | .10 |
| SEP | | | | | | | | | |
| 04... | 1600 | 2.0 | 60 | 4.0 | 5.0 | 44 | .06 | 5 | .01 |

07262985 SOUTH FOURCHE LA FAVE RIVER AT HOLLIS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1315 | .160 | .060 | .010 | 2 | <1 | 10 | 9 | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1310 | .120 | .060 | .030 | -- | 1 | -- | -- | -- |
| 31... | 1335 | .050 | .070 | .020 | 4 | 5 | 12 | 8 | 40 |
| FEB | | | | | | | | | |
| 28... | 1205 | .100 | .070 | .060 | 0 | 12 | 10 | 160 | -- |
| APR | | | | | | | | | |
| 03... | 1245 | .030 | .050 | .030 | 0 | <1 | 11 | -- | -- |
| MAY | | | | | | | | | |
| 01... | 1440 | .100 | -- | -- | 1 | <1 | 14 | 17 | 40 |
| 29... | -- | .180 | -- | .040 | 3 | 2 | 27 | 17 | 60 |
| JUL | | | | | | | | | |
| 24... | 1545 | .060 | .090 | .070 | 3 | 2 | 21 | 25 | 70 |
| AUG | | | | | | | | | |
| 07... | 1515 | .040 | .040 | .010 | 3 | 1 | 25 | 22 | 30 |
| SEP | | | | | | | | | |
| 04... | 1600 | .050 | .050 | -- | -- | <1 | 17 | -- | 50 |

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, AR

LOCATION.--Lat 34°54'41", long 93°03'21", in SE 1/4 NE 1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi 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 $mi^2$.

PERIOD OF RECORD.--May 1941 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 292 $ft^3/s$, 18.88 in/yr, 211,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 $ft^3/s$ Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 $ft^3/s$ on basis of slope-area measurements at gage heights, 18.51 ft and 19.47 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 $ft^3/s$ Sept. 23, at 0100 hours, gage height, 10.95 ft, no other peak above base of 9,000 $ft^3/s$; no flow Oct. 1-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | .44 | 115 | 60 | 126 | 550 | 371 | 68 | 125 | 8.8 | 3.7 | 5.6 |
| 2 | .00 | .44 | 1610 | 56 | 116 | 435 | 324 | 871 | 91 | 7.0 | 7.2 | 4.9 |
| 3 | .00 | .44 | 6360 | 57 | 112 | 351 | 499 | 3880 | 73 | 6.4 | 38 | 4.8 |
| 4 | .00 | .51 | 2060 | 59 | 104 | 1290 | 411 | 1600 | 60 | 6.2 | 22 | 4.5 |
| 5 | .00 | .55 | 962 | 66 | 96 | 2180 | 309 | 1050 | 49 | 6.1 | 15 | 4.3 |
| 6 | .00 | .55 | 598 | 75 | 84 | 933 | 254 | 961 | 43 | 5.7 | 10 | 4.1 |
| 7 | .00 | .49 | 401 | 80 | 79 | 610 | 213 | 1930 | 37 | 5.0 | 7.5 | 3.8 |
| 8 | .00 | .42 | 284 | 79 | 76 | 455 | 418 | 1580 | 32 | 4.2 | 6.3 | 3.1 |
| 9 | .00 | .46 | 220 | 77 | 73 | 354 | 1120 | 732 | 28 | 3.8 | 6.0 | 9.7 |
| 10 | .00 | .55 | 243 | 305 | 73 | 334 | 610 | 462 | 24 | 3.5 | 6.0 | 17 |
| 11 | .00 | .51 | 1230 | 470 | 84 | 409 | 423 | 318 | 20 | 3.2 | 6.0 | 12 |
| 12 | .00 | .49 | 706 | 342 | 5500 | 2240 | 327 | 236 | 17 | 3.4 | 5.7 | 7.6 |
| 13 | .00 | .48 | 476 | 270 | 1950 | 1400 | 264 | 188 | 15 | 6.1 | 5.3 | 5.8 |
| 14 | .00 | .44 | 457 | 217 | 907 | 679 | 211 | 153 | 13 | 45 | 5.0 | 26 |
| 15 | .00 | .44 | 378 | 184 | 584 | 473 | 177 | 130 | 11 | 21 | 4.7 | 166 |
| 16 | .00 | .41 | 285 | 164 | 545 | 370 | 156 | 112 | 9.1 | 21 | 4.2 | 48 |
| 17 | .01 | .40 | 225 | 150 | 441 | 430 | 140 | 96 | 8.0 | 55 | 3.9 | 23 |
| 18 | .03 | .40 | 189 | 140 | 372 | 462 | 124 | 83 | 7.0 | 68 | 3.7 | 14 |
| 19 | .03 | 1.1 | 164 | 122 | 320 | 388 | 108 | 77 | 6.7 | 27 | 3.5 | 9.6 |
| 20 | .03 | 18 | 146 | 107 | 271 | 316 | 97 | 96 | 6.9 | 17 | 3.4 | 7.5 |
| 21 | .10 | 19 | 140 | 105 | 234 | 261 | 275 | 103 | 6.9 | 12 | 3.2 | 11 |
| 22 | 1.3 | 17 | 134 | 99 | 209 | 216 | 222 | 82 | 8.2 | 9.4 | 4.1 | 501 |
| 23 | 1.4 | 798 | 123 | 118 | 187 | 184 | 186 | 79 | 7.4 | 7.5 | 6.7 | 2710 |
| 24 | 1.2 | 357 | 119 | 224 | 169 | 322 | 154 | 70 | 6.6 | 6.3 | 4.7 | 443 |
| 25 | 1.0 | 141 | 117 | 273 | 152 | 397 | 130 | 63 | 6.1 | 5.8 | 3.6 | 193 |
| 26 | .84 | 85 | 116 | 250 | 575 | 292 | 110 | 209 | 5.9 | 8.3 | 2.8 | 339 |
| 27 | .70 | 517 | 114 | 220 | 3150 | 450 | 97 | 372 | 5.9 | 7.6 | 5.1 | 255 |
| 28 | .59 | 643 | 112 | 196 | 1300 | 2630 | 84 | 863 | 10 | 5.9 | 82 | 180 |
| 29 | .52 | 268 | 111 | 175 | 765 | 1710 | 78 | 453 | 24 | 5.2 | 28 | 134 |
| 30 | .48 | 161 | 109 | 157 | --- | 757 | 75 | 260 | 13 | 4.8 | 11 | 100 |
| 31 | .44 | --- | 95 | 138 | --- | 497 | --- | 182 | --- | 4.3 | 7.1 | --- |
| TOTAL | 8.67 | 3033.52 | 18399 | 5035 | 18654 | 22375 | 7967 | 17359 | 769.7 | 400.5 | 325.4 | 5247.3 |
| MEAN | .28 | 101 | 594 | 162 | 643 | 722 | 266 | 560 | 25.7 | 12.9 | 10.5 | 175 |
| MAX | 1.4 | 798 | 6360 | 470 | 5500 | 2630 | 1120 | 3880 | 125 | 68 | 82 | 2710 |
| MIN | .00 | .40 | 95 | 56 | 73 | 184 | 75 | 63 | 5.9 | 3.2 | 2.8 | 3.1 |
| CFSM | .00 | .48 | 2.83 | .77 | 3.06 | 3.44 | 1.27 | 2.67 | .12 | .06 | .05 | .83 |
| IN. | .00 | .54 | 3.26 | .89 | 3.30 | 3.96 | 1.41 | 3.08 | .14 | .07 | .06 | .93 |
| AC-FT | 17 | 6020 | 36490 | 9990 | 37000 | 44380 | 15800 | 34430 | 1530 | 794 | 645 | 10410 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 93378.07 | MEAN | 256 | MAX | 7150 | MIN | .00 | CFSM | 1.22 | IN. | 16.54 | AC-FT 185200 |
| WTR YR 1984 | TOTAL | 99574.09 | MEAN | 272 | MAX | 6360 | MIN | .00 | CFSM | 1.30 | IN. | 17.64 | AC-FT 197500 |

07263240 STONE DAM CREEK NEAR CONWAY, AR

LOCATION.--lat 35°03'32", long 92°26'28", in SW 1/4 NE 1/4 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, and 0.6 mi south of State Highway 286, and 2.1 mi south of Conway Post Office.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1440 | 9 | 9827 | 9827 | 7.2 | 25.0 | 21.0 | 70 | -- |
| 29... | 1420 | 9 | 9827 | 9827 | -- | 14.0 | 14.0 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1445 | 9 | 9827 | 9827 | 7.1 | 8.0 | 8.0 | 20 | 8.0 |
| 31... | 1745 | 9 | 9827 | 9827 | 7.1 | 10.0 | 9.0 | 25 | 8.2 |
| FEB | | | | | | | | | |
| 28... | 0925 | 9 | 9827 | 9827 | 6.7 | 1.0 | 7.0 | 25 | 9.4 |
| APR | | | | | | | | | |
| 03... | 0900 | 9 | 9827 | 9827 | 6.6 | 17.0 | 13.0 | 30 | 7.2 |
| MAY | | | | | | | | | |
| 01... | 0915 | 9 | 9827 | 9827 | 6.6 | 17.0 | 18.0 | 7.4 | 3.0 |
| 29... | 1730 | 9 | 9827 | 9827 | 6.8 | 18.0 | 23.0 | 7.0 | 5.8 |
| JUL | | | | | | | | | |
| 24... | 0900 | 9 | 9827 | 9827 | 8.0 | 25.0 | 26.0 | 7.2 | 4.9 |
| AUG | | | | | | | | | |
| 08... | 0900 | 9 | 9827 | 9827 | 7.2 | 29.0 | 26.0 | 6.0 | 4.1 |
| SEP | | | | | | | | | |
| 04... | 0900 | 9 | 9827 | 9827 | 7.4 | 27.0 | 23.0 | 20 | 4.4 |
| 25... | 1430 | 9 | 9827 | 9827 | -- | -- | -- | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1440 | 17 | 830 | 47 | 34 | 280 | .38 | 143 | 1.4 |
| 29... | 1420 | -- | 160 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1445 | -- | 140 | 30 | 31 | 203 | .28 | 15 | -- |
| 31... | 1745 | 17 | <4 | 40 | 28 | 197 | .27 | 18 | .65 |
| FEB | | | | | | | | | |
| 28... | 0925 | 2.8 | 5 | 19 | 13 | 122 | .17 | 14 | 1.3 |
| APR | | | | | | | | | |
| 03... | 0900 | 5.0 | 17 | 23 | 7.0 | 85 | .12 | 20 | 1.4 |
| MAY | | | | | | | | | |
| 01... | 0915 | -- | 1000 | 36 | 26 | 196 | .27 | 10 | 2.5 |
| 29... | 1730 | 1.7 | >600 | 37 | 27 | 203 | .28 | 11 | 7.9 |
| JUL | | | | | | | | | |
| 24... | 0900 | 5.6 | <10 | 57 | 36 | 241 | .33 | 16 | 2.9 |
| AUG | | | | | | | | | |
| 08... | 0900 | -- | <4 | -- | -- | 220 | .30 | 6 | 2.0 |
| SEP | | | | | | | | | |
| 04... | 0900 | 1.6 | <4 | 35 | 32 | 221 | .30 | 15 | .58 |

07263240 STONE DAM CREEN NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1440 | 20.2 | 7.50 | 6.50 | 3 | 46 | 24 | 14 | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1445 | 12.0 | 6.70 | 3.10 | -- | 30 | -- | -- | -- |
| 31... | 1745 | 11.0 | 4.60 | 3.25 | 14 | 120 | 29 | 23 | 150 |
| FEB | | | | | | | | | |
| 28... | 0925 | 2.40 | 1.60 | 1.00 | 0 | 24 | 15 | 13 | -- |
| APR | | | | | | | | | |
| 03... | 0900 | .870 | .760 | .530 | 0 | 32 | 16 | -- | -- |
| MAY | | | | | | | | | |
| 01... | 0915 | 10.1 | -- | -- | 0 | 8 | 20 | 8 | 110 |
| 29... | 1730 | 3.95 | -- | 3.90 | 3 | -- | 26 | 19 | 110 |
| JUL | | | | | | | | | |
| 24... | 0900 | >5.00 | 7.20 | 6.30 | 6 | 60 | 25 | <1 | 130 |
| AUG | | | | | | | | | |
| 08... | 0900 | 11.3 | 6.30 | 6.80 | 5 | 10 | 19 | 12 | 90 |
| SEP | | | | | | | | | |
| 04... | 0900 | -- | 6.20 | -- | -- | 46 | 21 | -- | 80 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 25... | 1430 | .000 | .000 | <.010 | .000 | .000 | .00 | <.01 | .0 |

## 07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in Murray Dam control house on right bank and at mile 141.5.

DRAINAGE AREA.--158,030 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--Records good. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--57 years, 40,270 $ft^3/s$, 29,180,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 $ft^3/s$ May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 $ft^3/s$ 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, 171,000 $ft^3/s$ Apr. 10, tailwater elevation, 242.79 ft; minimum daily, 802 $ft^3/s$ Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 184
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1100 | 26600 | 30600 | 1800 | 17300 | 69100 | 158000 | 61700 | 68100 | 13400 | 3320 | 7580 |
| 2 | 1070 | 29900 | 34500 | 1240 | 12300 | 61600 | 159000 | 63100 | 61900 | 22000 | 11300 | 4400 |
| 3 | 944 | 40400 | 47100 | 974 | 16700 | 58400 | 163000 | 89400 | 65200 | 16200 | 4930 | 2260 |
| 4 | 955 | 42200 | 60400 | 9850 | 14600 | 62100 | 161000 | 95800 | 65200 | 23400 | 1120 | 899 |
| 5 | 931 | 34300 | 53000 | 9770 | 7600 | 73800 | 159000 | 84400 | 55500 | 17900 | 2770 | 4920 |
| 6 | 961 | 34200 | 47900 | 14900 | 8140 | 89400 | 155000 | 85000 | 43000 | 22700 | 5500 | 2880 |
| 7 | 1320 | 27300 | 45300 | 6800 | 16200 | 81900 | 155000 | 108000 | 35400 | 10100 | 5710 | 5870 |
| 8 | 1970 | 18700 | 41600 | 3790 | 15100 | 80000 | 159000 | 137000 | 34500 | 8410 | 10100 | 6640 |
| 9 | 1940 | 17800 | 36900 | 4510 | 9300 | 73000 | 163000 | 140000 | 32300 | 14700 | 10700 | 4850 |
| 10 | 1790 | 30700 | 45300 | 11500 | 7090 | 75000 | 165000 | 115000 | 31600 | 11900 | 10400 | 4610 |
| 11 | 1370 | 29300 | 38800 | 13100 | 7530 | 73600 | 164000 | 95600 | 28800 | 13400 | 7810 | 6500 |
| 12 | 2380 | 23600 | 50400 | 10600 | 40400 | 62900 | 165000 | 82400 | 32800 | 16000 | 6550 | 5690 |
| 13 | 1760 | 21300 | 33500 | 17500 | 67100 | 67200 | 163000 | 72900 | 35200 | 15900 | 7410 | 7120 |
| 14 | 1050 | 11700 | 36200 | 6380 | 46300 | 76800 | 160000 | 66700 | 33100 | 7530 | 9060 | 10400 |
| 15 | 1010 | 23600 | 40600 | 6350 | 44900 | 66700 | 159000 | 64800 | 30100 | 9140 | 5990 | 5650 |
| 16 | 1570 | 24400 | 21900 | 7970 | 42700 | 66600 | 153000 | 58400 | 29900 | 6150 | 7090 | 1510 |
| 17 | 1710 | 4810 | 14800 | 14200 | 36100 | 67400 | 152000 | 54800 | 29500 | 5080 | 5340 | 841 |
| 18 | 3040 | 12200 | 10100 | 7930 | 34800 | 75500 | 149000 | 53700 | 35800 | 8030 | 10400 | 842 |
| 19 | 6210 | 18400 | 11700 | 14000 | 34000 | 77400 | 137000 | 54000 | 29500 | 1750 | 4620 | 841 |
| 20 | 17900 | 32000 | 16200 | 21000 | 15800 | 77400 | 133000 | 54100 | 34400 | 7150 | 828 | 842 |
| 21 | 33500 | 8390 | 26100 | 12100 | 29800 | 93200 | 128000 | 51600 | 26400 | 7860 | 802 | 855 |
| 22 | 35500 | 15500 | 17700 | 6490 | 25000 | 105000 | 131000 | 50400 | 26500 | 2770 | 8580 | 2030 |
| 23 | 37300 | 30900 | 12700 | 3550 | 22200 | 109000 | 136000 | 37400 | 37500 | 6160 | 6840 | 4030 |
| 24 | 31900 | 37100 | 27400 | 5090 | 26900 | 115000 | 136000 | 35900 | 28300 | 12000 | 3320 | 3960 |
| 25 | 45000 | 23100 | 13900 | 17300 | 12200 | 124000 | 135000 | 37600 | 25500 | 3620 | 1410 | 3500 |
| 26 | 39000 | 21000 | 6650 | 9160 | 11500 | 137000 | 128000 | 31400 | 25600 | 4800 | 1830 | 16300 |
| 27 | 36000 | 36100 | 3200 | 8830 | 43000 | 146000 | 121000 | 43400 | 18900 | 7950 | 3760 | 11300 |
| 28 | 29100 | 46500 | 8400 | 5010 | 64100 | 150000 | 100000 | 77900 | 30200 | 4740 | 10600 | 4870 |
| 29 | 33700 | 39100 | 13000 | 6500 | 76400 | 153000 | 83300 | 106000 | 23800 | 4160 | 9500 | 3570 |
| 30 | 27800 | 39400 | 9360 | 9850 | --- | 158000 | 70200 | 123000 | 21400 | 804 | 9340 | 2290 |
| 31 | 24100 | --- | 4220 | 10800 | --- | 158000 | --- | 93300 | --- | 944 | 6550 | --- |
| TOTAL | 423881 | 800500 | 859430 | 278844 | 805060 | 2884000 | 4300500 | 2324700 | 1075900 | 306648 | 193480 | 137850 |
| MEAN | 13670 | 26680 | 27720 | 8995 | 27760 | 93030 | 143400 | 74990 | 35860 | 9892 | 6241 | 4595 |
| MAX | 45000 | 46500 | 60400 | 21000 | 76400 | 158000 | 165000 | 140000 | 68100 | 23400 | 11300 | 16300 |
| MIN | 931 | 4810 | 3200 | 974 | 7090 | 58400 | 70200 | 31400 | 18900 | 804 | 802 | 841 |
| AC-FT | 840800 | 1588000 | 1705000 | 553100 | 1597000 | 5720000 | 8530000 | 4611000 | 2134000 | 608200 | 383800 | 273400 |

CAL YR 1983 TOTAL 16323914 MEAN 44720 MAX 169000 MIN 931 AC-FT 32380000
WTR YR 1984 TOTAL 14390793 MEAN 39320 MAX 165000 MIN 802 AC-FT 28540000

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1410 | 9 | 9827 | 9827 | 887 | 8.6 | 30.0 | 25.0 | 4.8 | 8.9 | -- |
| NOV | | | | | | | | | | | |
| 01... | 1330 | 9 | 9827 | 9827 | 27100 | 8.1 | -- | -- | 20 | 9.5 | 15 |
| 29... | 1320 | 9 | 9827 | 9827 | 37800 | -- | 8.0 | 11.0 | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1400 | 9 | 9827 | 9827 | 17400 | 7.2 | 6.0 | 3.0 | 20 | -- | 13 |
| FEB | | | | | | | | | | | |
| 21... | 1525 | 9 | 9827 | 9827 | 35200 | 8.0 | 12.0 | 10.0 | 30 | 11.5 | 15 |
| APR | | | | | | | | | | | |
| 24... | 1440 | 9 | 9827 | 9827 | 135000 | 7.8 | 28.0 | 12.0 | 65 | 10.2 | 17 |
| MAY | | | | | | | | | | | |
| 22... | 1340 | 9 | 9827 | 9827 | 51100 | 7.6 | -- | -- | 45 | 7.8 | 18 |
| 29... | 1425 | 9 | 9827 | 9827 | 110000 | 7.6 | 22.0 | 23.0 | 50 | 7.9 | 12 |
| JUL | | | | | | | | | | | |
| 10... | 1530 | 9 | 9827 | 9827 | 2500 | 8.6 | 35.0 | 31.0 | 15 | 12.0 | -- |
| 31... | 1520 | 9 | 9827 | 9827 | 2500 | 8.3 | 24.0 | 29.0 | 6.0 | 7.9 | 16 |
| SEP | | | | | | | | | | | |
| 04... | 1335 | 9 | 9827 | 9827 | 800 | 8.5 | 25.0 | 28.0 | 4.0 | 9.7 | 18 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1410 | 2.6 | <4 | 72 | 170 | 502 | .68 | 10 | .01 | .060 | -- |
| NOV | | | | | | | | | | | |
| 01... | 1330 | 1.3 | 12 | 56 | 110 | 407 | .55 | 16 | .14 | .030 | .07 |
| 29... | 1320 | -- | 52 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1400 | 1.4 | 8 | 28 | 36 | 169 | .23 | 11 | .46 | .070 | -- |
| FEB | | | | | | | | | | | |
| 21... | 1525 | 2.4 | 12 | 23 | 38 | 150 | .20 | 22 | .07 | .040 | 1.1 |
| APR | | | | | | | | | | | |
| 24... | 1440 | .9 | 10 | 52 | 74 | 319 | .43 | 60 | .84 | .070 | -- |
| MAY | | | | | | | | | | | |
| 22... | 1340 | .9 | 16 | 38 | 550 | 231 | .31 | 33 | .54 | .130 | 1.3 |
| 29... | 1425 | 1.6 | 20 | 49 | 70 | 300 | .41 | 52 | 1.6 | .070 | 1.1 |
| JUL | | | | | | | | | | | |
| 10... | 1530 | 2.6 | <4 | 46 | 65 | 297 | .40 | 6 | .14 | .020 | .28 |
| 31... | 1520 | 2.7 | <10 | 50 | 67 | 288 | .39 | 12 | .05 | -- | -- |
| SEP | | | | | | | | | | | |
| 04... | 1335 | 2.8 | 28 | 53 | 100 | 354 | .48 | 9 | .01 | <.010 | -- |

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1410 | -- | -- | -- | .040 | <.010 | -- | 2 | 1 | -- | 15 |
| NOV | | | | | | | | | | | |
| 01... | 1330 | .10 | .24 | 1.1 | .080 | .010 | <5 | 0 | 11 | 15 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1400 | <.10 | -- | -- | .050 | .010 | -- | 0 | 3 | 10 | 6 |
| FEB | | | | | | | | | | | |
| 21... | 1525 | 1.1 | 1.2 | 5.2 | .080 | .020 | <5 | 0 | 1 | <10 | 11 |
| APR | | | | | | | | | | | |
| 24... | 1440 | -- | -- | -- | .140 | .100 | <5 | 0 | <1 | <10 | 16 |
| MAY | | | | | | | | | | | |
| 22... | 1340 | 1.4 | 1.9 | 8.6 | .120 | .050 | -- | 0 | 4 | 12 | 6 |
| 29... | 1425 | 1.2 | 2.8 | 12 | .140 | .080 | -- | 0 | 1 | 15 | 21 |
| JUL | | | | | | | | | | | |
| 10... | 1530 | .30 | .44 | 1.9 | -- | .010 | -- | 0 | <1 | 10 | 10 |
| 31... | 1520 | -- | -- | -- | -- | -- | <5 | 0 | <1 | 20 | -- |
| SEP | | | | | | | | | | | |
| 04... | 1335 | 1.5 | 1.5 | 6.7 | .060 | .010 | -- | 0 | 2 | 20 | 14 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1410 | -- | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 01... | 1330 | <5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1320 | -- | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.04 | .0 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1400 | -- | 40 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| FEB | | | | | | | | | | | |
| 21... | 1525 | <5 | 80 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 24... | 1440 | <5 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 22... | 1340 | -- | 80 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JUL | | | | | | | | | | | |
| 31... | 1520 | <5 | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | | |
| 04... | 1335 | -- | 580 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

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

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1400 | 9 | 80513 | 80010 | 47200 | 778 | 8.5 | 18.0 | 6.2 | 8.4 | 89 |
| JAN 17... | 0930 | 9 | 80513 | 80010 | 17300 | 339 | 8.2 | 2.0 | 13 | 10.4 | 75 |
| FEB 21... | 0930 | 9 | 80513 | 80010 | 35400 | 287 | 7.7 | 8.5 | 23 | 12.0 | 103 |
| APR 04... | 1300 | 9 | 80513 | 80010 | 161000 | 654 | 8.0 | 11.0 | 50 | 11.0 | 101 |
| JUN 04... | 0900 | 9 | 80513 | 80010 | 65400 | 671 | 8.3 | 23.0 | 27 | 8.4 | 99 |
| AUG 06... | 0930 | 9 | 80513 | 80010 | 5920 | 502 | 8.6 | 27.0 | 2.6 | 7.4 | 93 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1400 | 765 | K190 | 150 | 170 | 53 | 53 | 47 | 12 | 88 | 53 |
| JAN 17... | 0930 | 760 | 32 | 28 | 88 | 21 | 21 | 25 | 6.2 | 27 | 39 |
| FEB 21... | 0930 | 762 | 13 | 350 | 63 | 17 | 17 | 17 | 4.9 | 29 | 49 |
| APR 04... | 1300 | 757 | 73 | 84 | 130 | 44 | 44 | 36 | 8.7 | 75 | 56 |
| JUN 04... | 0900 | 759 | 43 | 46 | 130 | 44 | 44 | 37 | 9.5 | 77 | 55 |
| AUG 06... | 0930 | 762 | 68 | 6 | 130 | 36 | 36 | 40 | 8.4 | 44 | 41 |

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 25... | 1400 | 3 | 3.9 | 114 | 65 | 140 | .20 | .5 | 441 | 430 | .60 |
| JAN | | | | | | | | | | | |
| 17... | 0930 | 1 | 2.6 | 67 | 31 | 42 | .10 | 4.3 | 191 | 180 | .26 |
| FEB | | | | | | | | | | | |
| 21... | 0930 | 2 | 2.3 | 46 | 25 | 42 | <.10 | 1.5 | 176 | 150 | .24 |
| APR | | | | | | | | | | | |
| 04... | 1300 | 3 | 2.9 | 82 | 55 | 120 | .20 | 5.0 | 367 | 350 | .50 |
| JUN | | | | | | | | | | | |
| 04... | 0900 | 3 | 3.1 | 88 | 56 | 120 | .20 | 5.4 | 404 | 360 | .55 |
| AUG | | | | | | | | | | | |
| 06... | 0930 | 2 | 3.2 | 99 | 46 | 69 | .20 | .6 | 280 | 270 | .38 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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 | | | | | | | | | | |
| 25... | 1400 | .120 | .140 | .80 | .080 | .040 | .020 | -- | -- | -- |
| JAN | | | | | | | | | | |
| 17... | 0930 | .450 | .180 | .60 | .110 | .070 | .050 | 10 | 1 | 64 |
| FEB | | | | | | | | | | |
| 21... | 0930 | <.100 | .030 | .60 | .050 | <.010 | <.010 | 20 | 1 | 48 |
| APR | | | | | | | | | | |
| 04... | 1300 | .570 | .140 | 1.0 | .080 | .100 | .050 | -- | -- | -- |
| JUN | | | | | | | | | | |
| 04... | 0900 | .630 | .290 | 2.0 | .080 | .050 | .070 | 40 | 1 | 91 |
| AUG | | | | | | | | | | |
| 06... | 0930 | <.100 | .140 | .90 | .090 | .040 | .060 | <10 | 2 | 82 |

| DATE | TIME | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | | |
| 17... | 0930 | <.5 | 1 | 6 | <3 | 3 | 72 | 3 | <4 | 38 |
| FEB | | | | | | | | | | |
| 21... | 0930 | <.5 | <1 | <1 | <3 | 4 | 150 | 1 | 5 | 4 |
| JUN | | | | | | | | | | |
| 04... | 0900 | <.0 | <1 | <1 | <3 | 3 | 13 | <1 | <4 | 4 |
| AUG | | | | | | | | | | |
| 06... | 0930 | <.0 | <1 | <1 | <3 | 2 | 6 | 3 | 7 | 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) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | URANIUM DISSOLVED, EXTRACTION (UG/L) (80020) | GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 25... | 1400 | -- | -- | -- | -- | -- | -- | -- | -- | <10 |
| JAN | | | | | | | | | | |
| 17... | 0930 | .2 | <10 | 3 | <1 | <1 | 180 | 7 | -- | -- |
| FEB | | | | | | | | | | |
| 21... | 0930 | .2 | <10 | 4 | <1 | 1 | 130 | 11 | .19 | <3.0 |
| JUN | | | | | | | | | | |
| 04... | 0900 | .1 | <10 | 1 | <1 | 1 | 320 | 7 | -- | -- |
| AUG | | | | | | | | | | |
| 06... | 0930 | .1 | <10 | 1 | <1 | <1 | 300 | <3 | -- | -- |

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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 | | | | | | | | | | |
| 25... | 1400 | <.9 | <6.7 | .9 | <5.8 | .9 | .08 | 29 | 3700 | 50 |
| JAN | | | | | | | | | | |
| 17... | 0930 | -- | -- | -- | -- | -- | -- | 10 | 467 | 81 |
| FEB | | | | | | | | | | |
| 21... | 0930 | 1.2 | 3.1 | 1.1 | 2.6 | 1.0 | .07 | 26 | 2490 | 71 |
| APR | | | | | | | | | | |
| 04... | 1300 | -- | -- | -- | -- | -- | -- | 336 | 146000 | 25 |
| JUN | | | | | | | | | | |
| 04... | 0900 | -- | -- | -- | -- | -- | -- | 38 | 6710 | 86 |
| AUG | | | | | | | | | | |
| 06... | 0930 | -- | -- | -- | -- | -- | -- | 6 | 96 | 38 |

## 07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, AR

LOCATION.--Lat 34°24'48", long 92°06'07", in SE 1/4 NE 1/4 sec.33, T.3 S., R.10 W., Jefferson County, Hydrologic Unit 11110207, at left bank on downstream side of lock and dam, 4.0 mi southwest of Wright, Ark., off State Highway 256.

DRAINAGE AREA.--158,542 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1005 | 9 | 9827 | 9827 | 30200 | 8.0 | 16.0 | 18.0 | 9.8 | 9.6 | 18 |
| 29... | 1000 | 9 | 9827 | 9827 | 39700 | -- | 3.0 | 10.0 | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1010 | 9 | 9827 | 9827 | 1000 | 7.6 | 2.0 | 1.0 | 20 | 13.5 | 15 |
| 31... | 1005 | 9 | 9827 | 9827 | 11300 | 7.5 | 3.0 | 4.0 | 25 | 13.0 | 14 |
| FEB | | | | | | | | | | | |
| 28... | 1010 | 9 | 9827 | 9827 | 65100 | 7.9 | 1.0 | 8.0 | 35 | 11.3 | 19 |
| APR | | | | | | | | | | | |
| 03... | 1015 | 9 | 9827 | 9827 | 149000 | 7.6 | 16.0 | 13.0 | 50 | 10.3 | 20 |
| MAY | | | | | | | | | | | |
| 01... | 1035 | 9 | 9827 | 9827 | 58200 | 7.6 | 19.0 | 17.0 | 50 | 9.3 | 14 |
| 29... | 0925 | 9 | 9827 | 9827 | 78300 | 7.7 | 16.0 | 21.0 | 50 | 7.7 | 19 |
| JUL | | | | | | | | | | | |
| 10... | 1435 | 9 | 9827 | 9827 | 5700 | 8.5 | 34.0 | 29.0 | 7.0 | 10.3 | -- |
| AUG | | | | | | | | | | | |
| 07... | 1040 | 9 | 9827 | 9827 | -- | 8.2 | 23.0 | 26.0 | 7.0 | 7.2 | 18 |
| SEP | | | | | | | | | | | |
| 04... | 1035 | 9 | 9827 | 9827 | 1000 | 8.2 | 21.0 | 27.0 | 6.0 | 7.7 | 19 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1005 | 2.3 | 8 | 59 | 110 | 405 | .55 | 16 | -- | -- | -- |
| 29... | 1000 | -- | 44 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1010 | 1.3 | 12 | 38 | 56 | 243 | .33 | 11 | .50 | .180 | -- |
| 31... | 1005 | 2.7 | 4 | 38 | 37 | 186 | .25 | 12 | .40 | -- | -- |
| FEB | | | | | | | | | | | |
| 28... | 1010 | 4.8 | 24 | 29 | 45 | 183 | .25 | 40 | .07 | .070 | -- |
| APR | | | | | | | | | | | |
| 03... | 1015 | 3.6 | 10 | 46 | 74 | 293 | .40 | 46 | .63 | .140 | .86 |
| MAY | | | | | | | | | | | |
| 01... | 1035 | -- | 30 | 50 | 82 | 321 | .44 | 44 | .86 | .090 | -- |
| 29... | 0925 | 6.3 | 70 | 46 | 66 | 310 | .42 | 68 | .68 | .110 | 1.4 |
| JUL | | | | | | | | | | | |
| 10... | 1435 | 5.1 | 8 | 49 | 67 | 294 | .40 | -- | .15 | <.010 | -- |
| AUG | | | | | | | | | | | |
| 07... | 1040 | 6.0 | 10 | 52 | 67 | 295 | .40 | 12 | .02 | .020 | .48 |
| SEP | | | | | | | | | | | |
| 04... | 1035 | 5.6 | -- | 51 | 91 | 355 | .48 | 11 | .08 | -- | -- |

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1005 | 1.1 | -- | -- | .100 | <.010 | 0 | 19 | 29 | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1010 | -- | -- | -- | -- | .030 | -- | 2 | 23 | -- |
| 31... | 1005 | -- | -- | -- | .090 | .040 | 0 | 3 | 12 | 92 |
| FEB | | | | | | | | | | |
| 28... | 1010 | -- | -- | -- | .140 | .040 | 0 | 2 | 13 | 25 |
| APR | | | | | | | | | | |
| 03... | 1015 | 1.0 | 1.6 | 7.2 | .130 | -- | 0 | 2 | 24 | -- |
| MAY | | | | | | | | | | |
| 01... | 1035 | -- | -- | -- | .120 | .080 | 0 | 3 | 11 | -- |
| 29... | 0925 | 1.5 | 2.2 | 9.7 | .140 | .030 | 0 | 2 | 23 | -- |
| JUL | | | | | | | | | | |
| 10... | 1435 | .20 | .35 | 1.5 | -- | <.010 | 0 | <1 | <10 | 11 |
| AUG | | | | | | | | | | |
| 07... | 1040 | .50 | .52 | 2.3 | .080 | <.010 | 0 | <1 | 12 | 7 |
| SEP | | | | | | | | | | |
| 04... | 1035 | .90 | .98 | 4.3 | .090 | .050 | -- | 2 | 38 | 14 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN, 1984 | | | | | | | | | | |
| 03... | 1010 | 80 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 28... | 1010 | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 01... | 1035 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| 29... | 0925 | 190 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 10... | 1435 | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, AR

LOCATION.--Lat 34°14'56", long 91°54'22", in SE 1/4 NE 1/4 sec.29, T.5 S., R.5 S., 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.--158,542 $mi^2$, of which 22,241 $mi^2$ is probably noncontributing.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1100 | 9 | 9827 | 9827 | 8300 | 8.0 | 16.0 | 18.0 | 18 | 9.6 | 17 |
| 29... | 1100 | 9 | 9827 | 9827 | 5200 | -- | 5.0 | 10.0 | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1105 | 9 | 9827 | 9827 | .00 | 7.5 | 4.0 | 1.0 | 17 | 13.9 | 13 |
| 31... | 1115 | 9 | 9827 | 9827 | 9300 | 7.3 | 2.0 | 4.0 | 15 | 13.1 | 14 |
| FEB | | | | | | | | | | | |
| 28... | 1115 | 9 | 9827 | 9827 | 3900 | 7.7 | 2.0 | 8.0 | 40 | 12.0 | 17 |
| APR | | | | | | | | | | | |
| 03... | 1115 | 9 | 9827 | 9827 | 161000 | 7.6 | 16.0 | 13.0 | 65 | 10.5 | 12 |
| MAY | | | | | | | | | | | |
| 01... | 1120 | 9 | 9827 | 9827 | 6500 | 7.6 | 21.0 | 17.0 | 50 | 9.5 | 15 |
| 29... | 1105 | 9 | 9827 | 9827 | 0200 | 7.7 | 18.0 | 21.0 | 50 | 8.1 | 17 |
| JUL | | | | | | | | | | | |
| 10... | 1335 | 9 | 9827 | 9827 | 9400 | 8.4 | 34.0 | 29.0 | 8.0 | 9.3 | -- |
| AUG | | | | | | | | | | | |
| 07... | 1140 | 9 | 9827 | 9827 | 3100 | 8.3 | 34.0 | 26.0 | 8.0 | 7.4 | 17 |
| SEP | | | | | | | | | | | |
| 04... | 1140 | 9 | 9827 | 9827 | 800 | 8.4 | 22.0 | 27.0 | 7.0 | 8.3 | 20 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1100 | 1.8 | <4 | 59 | 110 | 391 | .53 | 18 | -- | -- | -- |
| 29... | 1100 | -- | K48 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1105 | 1.1 | K4 | 36 | 55 | 230 | .31 | 9 | .47 | .120 | -- |
| 31... | 1115 | 2.4 | K8 | 39 | 37 | 182 | .25 | 9 | .42 | -- | -- |
| FEB | | | | | | | | | | | |
| 28... | 1115 | 3.7 | K40 | 29 | 47 | 186 | .25 | 63 | .08 | .090 | -- |
| APR | | | | | | | | | | | |
| 03... | 1115 | 3.2 | K60 | 52 | 110 | 356 | .48 | 84 | .62 | .160 | .64 |
| MAY | | | | | | | | | | | |
| 01... | 1120 | -- | K80 | 49 | 83 | 328 | .45 | 31 | .83 | .080 | -- |
| 29... | 1105 | 3.8 | K140 | 46 | 67 | 308 | .42 | 56 | .67 | .100 | 1.3 |
| JUL | | | | | | | | | | | |
| 10... | 1335 | 4.4 | K24 | 49 | 69 | 303 | .41 | -- | .11 | .010 | .49 |
| AUG | | | | | | | | | | | |
| 07... | 1140 | 4.8 | K20 | 51 | 63 | 289 | .39 | 14 | .04 | <.010 | -- |
| SEP | | | | | | | | | | | |
| 04... | 1140 | 3.7 | K10 | 48 | 87 | 335 | .46 | 12 | .01 | -- | -- |

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1100 | .30 | -- | -- | .100 | <.010 | 0 | 8 | 11 | 31 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1105 | -- | -- | -- | -- | .020 | -- | 1 | 14 | -- |
| 31... | 1115 | -- | -- | -- | .130 | .050 | 2 | <1 | 13 | 9 |
| FEB | | | | | | | | | | |
| 28... | 1115 | -- | -- | -- | .120 | .040 | 0 | 2 | 13 | 25 |
| APR | | | | | | | | | | |
| 03... | 1115 | .80 | 1.4 | 6.3 | .160 | -- | 0 | 2 | 21 | -- |
| MAY | | | | | | | | | | |
| 01... | 1120 | -- | -- | -- | .130 | .100 | 0 | 2 | 11 | -- |
| 29... | 1105 | 1.4 | 2.1 | 9.2 | .140 | .030 | 0 | 2 | <10 | -- |
| JUL | | | | | | | | | | |
| 10... | 1335 | .50 | .61 | 2.7 | -- | <.010 | 0 | <1 | <10 | 21 |
| AUG | | | | | | | | | | |
| 07... | 1140 | -- | -- | -- | .070 | .010 | 0 | 1 | 13 | 9 |
| SEP | | | | | | | | | | |
| 04... | 1140 | .80 | .81 | 3.6 | .110 | .050 | -- | 4 | 41 | 11 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 29... | 1100 | -- | <.001 | <.001 | <.002 | <.001 | <.001 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1105 | 40 | <.001 | .001 | <.002 | <.001 | .001 | .00 | .00 | .0 |
| FEB | | | | | | | | | | |
| 28... | 1115 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 03... | 1115 | -- | <.001 | .001 | <.002 | <.001 | .001 | .00 | .00 | .0 |
| MAY | | | | | | | | | | |
| 01... | 1120 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1105 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 10... | 1335 | -- | <.002 | <.002 | <.004 | <.002 | <.002 | .00 | .00 | .0 |

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, AR

LOCATION.--Lat 34°51'58" long 92°09'13", in NE 1/4 NE 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1245 | 9 | 9827 | 9827 | 6.4 | -- | -- | 20 | .5 |
| 29... | 0938 | 9 | 9827 | 9827 | -- | 3.0 | 8.0 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 17... | 1300 | 9 | 9827 | 9827 | 6.6 | 7.0 | 3.0 | 8.0 | -- |
| FEB | | | | | | | | | |
| 21... | 1435 | 9 | 9827 | 9827 | 6.1 | 20.0 | 10.0 | 20 | 9.5 |
| APR | | | | | | | | | |
| 24... | 1255 | 9 | 9827 | 9827 | 6.6 | 28.0 | 17.0 | 20 | 6.0 |
| MAY | | | | | | | | | |
| 22... | 1200 | 9 | 9827 | 9827 | 6.5 | -- | -- | 20 | 3.5 |
| 29... | 1140 | 9 | 9827 | 9827 | 6.5 | 23.0 | 21.0 | 20 | 2.3 |
| JUL | | | | | | | | | |
| 10... | 1430 | 9 | 9827 | 9827 | 7.0 | 33.0 | 29.0 | 9.0 | 2.3 |
| 31... | 1430 | 9 | 9827 | 9827 | 6.6 | 22.0 | 24.0 | 20 | 1.9 |
| SEP | | | | | | | | | |
| 04... | 1300 | 9 | 9827 | 9827 | 6.7 | 24.0 | 24.0 | 9.5 | 1.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1245 | 3.2 | 16 | 4.0 | 24 | 97 | .13 | 10 | .02 |
| 29... | 0938 | -- | 180 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 17... | 1300 | .9 | 8 | 5.0 | 6.5 | 36 | .05 | 4 | .44 |
| FEB | | | | | | | | | |
| 21... | 1435 | 1.5 | 28 | 5.0 | 6.5 | 47 | .06 | 6 | .24 |
| APR | | | | | | | | | |
| 24... | 1255 | 1.3 | 60 | 7.0 | 5.0 | 50 | .07 | 12 | .12 |
| MAY | | | | | | | | | |
| 22... | 1200 | 2.3 | 200 | 4.0 | 5.0 | 49 | .07 | 11 | .20 |
| 29... | 1140 | 1.7 | 60 | 5.0 | 7.5 | 62 | .08 | 9 | .13 |
| JUL | | | | | | | | | |
| 10... | 1430 | 3.1 | 96 | 4.0 | 9.0 | 80 | .11 | 6 | .02 |
| 31... | 1430 | 2.2 | 590 | 7.0 | 4.0 | 61 | .08 | 14 | .06 |
| SEP | | | | | | | | | |
| 04... | 1300 | 1.9 | 120 | 7.0 | 6.0 | 60 | .08 | 5 | .01 |

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | 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) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1245 | .380 | .080 | .050 | 0 | 3 | <10 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 17... | 1300 | .050 | .010 | <.010 | 0 | 2 | <10 | 13 | 40 |
| FEB | | | | | | | | | |
| 21... | 1435 | <.010 | .050 | .030 | 0 | 3 | <10 | 4 | 60 |
| APR | | | | | | | | | |
| 24... | 1255 | .060 | .080 | .030 | 0 | <1 | <10 | 2 | 20 |
| MAY | | | | | | | | | |
| 22... | 1200 | .170 | .080 | .030 | 0 | 1 | 17 | 3 | 90 |
| 29... | 1140 | .090 | .070 | .030 | 0 | <1 | <10 | 8 | -- |
| JUL | | | | | | | | | |
| 10... | 1430 | .040 | -- | .010 | 0 | <1 | <10 | 7 | -- |
| 31... | 1430 | -- | -- | -- | 0 | <1 | 16 | -- | 80 |
| SEP | | | | | | | | | |
| 04... | 1300 | .230 | .100 | .040 | 0 | <1 | 15 | 15 | 120 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 29... | 0938 | .000 | .000 | -- | .000 | .000 | .00 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 17... | 1300 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 24... | 1255 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JUL | | | | | | | | | |
| 10... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07263935 BAYOU METO NEAR JACKSONVILLE, AR

LOCATION.--Lat 34°50'39", long 92°07'20", in NE 1/4 SW 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0940 | 9 | 9827 | 9827 | 7.1 | -- | -- | 9.4 | .5 |
| 29... | 0915 | 9 | 9827 | 9827 | -- | 5.0 | 7.0 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1045 | 9 | 9827 | 9827 | 6.0 | 12.0 | 2.0 | 8.0 | 6.4 |
| 17... | 0945 | 9 | 9827 | 9827 | 6.6 | 6.0 | 2.0 | 8.0 | -- |
| FEB | | | | | | | | | |
| 21... | 0950 | 9 | 9827 | 9827 | 6.3 | 9.0 | 10.0 | 15 | 7.6 |
| APR | | | | | | | | | |
| 24... | 0940 | 9 | 9827 | 9827 | 6.7 | 23.0 | 18.0 | 20 | 3.1 |
| MAY | | | | | | | | | |
| 22... | 0915 | 9 | 9827 | 9827 | 6.7 | -- | -- | 30 | 1.5 |
| 29... | 0920 | 9 | 9827 | 9827 | 7.2 | 18.0 | 22.0 | 25 | 2.0 |
| JUL | | | | | | | | | |
| 10... | 0945 | 9 | 9827 | 9827 | 7.4 | 31.0 | 29.0 | 25 | .9 |
| 31... | 1105 | 9 | 9827 | 9827 | 7.4 | 26.0 | 25.0 | 25 | .7 |
| SEP | | | | | | | | | |
| 04... | 0918 | 9 | 9827 | 9827 | 7.2 | 20.0 | 24.0 | 20 | 1.1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0940 | 7.2 | 32 | 14 | 250 | 568 | .77 | 13 | .05 |
| 29... | 0915 | -- | 830 | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1045 | 5.8 | >600 | 8.0 | 26 | 111 | .15 | 9 | .27 |
| 17... | 0945 | 2.5 | 180 | 9.0 | 21 | 74 | .10 | 6 | .30 |
| FEB | | | | | | | | | |
| 21... | 0950 | 3.4 | 510 | 7.0 | 26 | 89 | .12 | 10 | .21 |
| APR | | | | | | | | | |
| 24... | 0940 | 3.5 | 2900 | 11 | 77 | 219 | .30 | 18 | .27 |
| MAY | | | | | | | | | |
| 22... | 0915 | 5.7 | 120 | 5.0 | 200 | 270 | .37 | 37 | .15 |
| 29... | 0920 | 8.4 | 80 | 9.0 | 170 | 431 | .59 | 33 | .22 |
| JUL | | | | | | | | | |
| 10... | 0945 | 20 | 40 | 7.0 | 1200 | 2510 | 3.4 | 35 | .05 |
| 31... | 1105 | 11 | 900 | 9.0 | 650 | 1310 | 1.8 | 26 | .06 |
| SEP | | | | | | | | | |
| 04... | 0918 | 6.1 | 500 | 8.0 | 390 | 762 | 1.0 | <1 | .01 |

07263935 BAYOU METO NEAR JACKSONVILLE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 0940 | 5.60 | 3.00 | 2.25 | 0 | 10 | 12 | -- | -- |
| JAN, 1984 | | | | | | | | | |
| 03... | 1045 | 2.00 | 1.00 | .540 | 0 | -- | 11 | -- | 220 |
| 17... | 0945 | 1.26 | .500 | .460 | 0 | 4 | 11 | 8 | 50 |
| FEB | | | | | | | | | |
| 21... | 0950 | .550 | .420 | .260 | 0 | <1 | <10 | 14 | 80 |
| APR | | | | | | | | | |
| 24... | 0940 | .600 | .530 | .350 | 1 | <1 | 13 | 15 | 120 |
| MAY | | | | | | | | | |
| 22... | 0915 | .600 | .640 | .330 | 0 | 3 | 17 | 9 | 160 |
| 29... | 0920 | .510 | .630 | .130 | 0 | <1 | 11 | 32 | -- |
| JUL | | | | | | | | | |
| 10... | 0945 | 5.60 | -- | 1.00 | 0 | <1 | 11 | 18 | -- |
| 31... | 1105 | -- | -- | -- | 0 | <1 | 17 | -- | 80 |
| SEP | | | | | | | | | |
| 04... | 0918 | 2.80 | 1.65 | .780 | 0 | <1 | 18 | 25 | 470 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 10... | 0945 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07264000 BAYOU METO NEAR LONOKE, AR

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi upstream are contained in reports of Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft 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.--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.--30 years, 290 $ft^3/s$, 210,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 $ft^3/s$ May 18, 1968, gage height, 26.55 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,930 $ft^3/s$ May 9, gage height, 22.36 ft; minimum, 0.61 $ft^3/s$, Aug. 1, 2, gage height, 4.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14 | 11 | 115 | 300 | 226 | 680 | 725 | 83 | 33 | 5.0 | 2.6 | 19 |
| 2 | 13 | 11 | 149 | 290 | 186 | 747 | 696 | 180 | 29 | 4.2 | 1.1 | 22 |
| 3 | 9.8 | 11 | 728 | 290 | 147 | 746 | 818 | 655 | 26 | 6.4 | 5.7 | 25 |
| 4 | 8.3 | 10 | 1070 | 280 | 114 | 712 | 909 | 844 | 22 | 5.9 | 4.2 | 23 |
| 5 | 9.2 | 11 | 1190 | 280 | 99 | 843 | 949 | 1020 | 16 | 5.6 | 6.3 | 24 |
| 6 | 9.3 | 9.9 | 1280 | 276 | 96 | 900 | 1010 | 1210 | 15 | 7.0 | 23 | 23 |
| 7 | 8.7 | 9.2 | 1360 | 291 | 95 | 913 | 1040 | 1470 | 14 | 5.2 | 30 | 21 |
| 8 | 6.9 | 10 | 1380 | 282 | 93 | 942 | 1030 | 1830 | 12 | 3.7 | 27 | 18 |
| 9 | 5.9 | 11 | 1320 | 263 | 87 | 948 | 994 | 1920 | 13 | 4.4 | 20 | 29 |
| 10 | 9.7 | 11 | 1220 | 270 | 76 | 918 | 895 | 1860 | 13 | 7.0 | 16 | 99 |
| 11 | 14 | 11 | 1300 | 268 | 70 | 823 | 806 | 1770 | 19 | 8.4 | 10 | 192 |
| 12 | 20 | 11 | 1250 | 288 | 122 | 737 | 747 | 1650 | 18 | 5.7 | 8.2 | 216 |
| 13 | 12 | 11 | 1170 | 318 | 262 | 705 | 670 | 1480 | 13 | 5.4 | 7.8 | 199 |
| 14 | 10 | 14 | 1170 | 304 | 434 | 689 | 562 | 1270 | 11 | 8.5 | 5.9 | 141 |
| 15 | 8.8 | 15 | 1130 | 261 | 557 | 694 | 443 | 1010 | 12 | 8.4 | 5.0 | 88 |
| 16 | 6.7 | 19 | 1070 | 209 | 624 | 693 | 338 | 704 | 15 | 19 | 6.6 | 56 |
| 17 | 14 | 17 | 984 | 166 | 626 | 653 | 256 | 456 | 17 | 37 | 9.8 | 41 |
| 18 | 33 | 13 | 896 | 134 | 559 | 566 | 203 | 288 | 18 | 91 | 9.8 | 33 |
| 19 | 41 | 38 | 775 | 106 | 449 | 468 | 171 | 189 | 14 | 130 | 7.9 | 28 |
| 20 | 63 | 134 | 638 | 85 | 339 | 400 | 142 | 146 | 14 | 98 | 8.3 | 27 |
| 21 | 66 | 145 | 554 | 70 | 268 | 342 | 113 | 132 | 14 | 59 | 8.8 | 25 |
| 22 | 60 | 134 | 500 | 61 | 221 | 295 | 100 | 143 | 14 | 39 | 8.9 | 21 |
| 23 | 48 | 292 | 460 | 109 | 181 | 257 | 104 | 476 | 12 | 28 | 7.6 | 18 |
| 24 | 37 | 446 | 420 | 265 | 139 | 235 | 102 | 354 | 8.9 | 21 | 7.5 | 17 |
| 25 | 32 | 398 | 390 | 406 | 104 | 202 | 84 | 233 | 6.4 | 20 | 5.4 | 15 |
| 26 | 25 | 292 | 370 | 508 | 106 | 196 | 66 | 139 | 3.6 | 17 | 9.2 | 12 |
| 27 | 19 | 207 | 360 | 538 | 299 | 266 | 53 | 77 | 4.4 | 12 | 15 | 9.8 |
| 28 | 16 | 176 | 350 | 498 | 462 | 505 | 51 | 61 | 5.5 | 9.1 | 19 | 8.8 |
| 29 | 13 | 161 | 330 | 415 | 577 | 605 | 55 | 57 | 4.2 | 8.8 | 21 | 9.8 |
| 30 | 11 | 136 | 320 | 326 | --- | 662 | 69 | 49 | 7.9 | 6.4 | 20 | 7.3 |
| 31 | 11 | --- | 310 | 269 | --- | 717 | --- | 40 | --- | 4.6 | 17 | --- |
| TOTAL | 655.3 | 2775.1 | 24559 | 8426 | 7618 | 19059 | 14201 | 21796 | 424.9 | 690.7 | 354.6 | 1467.7 |
| MEAN | 21.1 | 92.5 | 792 | 272 | 263 | 615 | 473 | 703 | 14.2 | 22.3 | 11.4 | 48.9 |
| MAX | 66 | 446 | 1380 | 538 | 626 | 948 | 1040 | 1920 | 33 | 130 | 30 | 216 |
| MIN | 5.9 | 9.2 | 115 | 61 | 70 | 196 | 51 | 40 | 3.6 | 3.7 | 1.1 | 7.3 |
| AC-FT | 1300 | 5500 | 48710 | 16710 | 15110 | 37800 | 28170 | 43230 | 843 | 1370 | 703 | 2910 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 113098.13 | MEAN | 310 | MAX | 2730 | MIN | .00 | AC-FT | 224300 |
| WTR YR 1984 | TOTAL | 102027.3 | MEAN | 279 | MAX | 1920 | MIN | 1.1 | AC-FT | 202400 |

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR
(National stream-quality accounting network)

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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 26... | 1110 | 9 | 80513 | 80010 | 9900 | 831 | 8.2 | -- | 18.5 | 4.4 | 9.3 |
| DEC | | | | | | | | | | | |
| 05... | 1000 | 9 | 80513 | 80010 | 1700 | 582 | 7.8 | -- | 11.0 | 34 | 12.0 |
| FEB | | | | | | | | | | | |
| 01... | 0930 | 9 | 80513 | 80010 | 2500 | 612 | 7.7 | -- | 4.5 | 23 | 11.8 |
| APR | | | | | | | | | | | |
| 02... | 1100 | 9 | 80513 | 80010 | 166000 | 530 | 7.9 | -- | 10.0 | 60 | 9.8 |
| JUN | | | | | | | | | | | |
| 06... | 1100 | 9 | 80513 | 80010 | 8200 | 650 | 8.0 | -- | 25.0 | 31 | 8.1 |
| AUG | | | | | | | | | | | |
| 01... | 1140 | 9 | 80513 | 80010 | .00 | 505 | 8.1 | 37.0 | 30.0 | 5.0 | 7.2 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 26... | 1110 | 99 | 766 | K36 | 670 | 170 | 55 | 55 | 49 | 12 | 96 |
| DEC | | | | | | | | | | | |
| 05... | 1000 | 109 | 759 | 490 | 160 | 130 | 41 | 41 | 35 | 9.8 | 61 |
| FEB | | | | | | | | | | | |
| 01... | 0930 | 91 | 766 | 20 | 38 | 79 | 16 | 16 | 22 | 5.8 | 25 |
| APR | | | | | | | | | | | |
| 02... | 1100 | 88 | 750 | 100 | K12 | 110 | 35 | 35 | 32 | 7.0 | 49 |
| JUN | | | | | | | | | | | |
| 06... | 1100 | 98 | 768 | 28 | 860 | 130 | 47 | 47 | 38 | 9.3 | 70 |
| AUG | | | | | | | | | | | |
| 01... | 1140 | 96 | 759 | K6 | K2 | 130 | 29 | 29 | 38 | 8.7 | 47 |

| DATE | TIME | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 26... | 1110 | 54 | 3 | 4.0 | 117 | 71 | 150 | .30 | .3 | 456 | 450 |
| DEC | | | | | | | | | | | |
| 05... | 1000 | 50 | 2 | 3.7 | 87 | 48 | 99 | .30 | 2.7 | 323 | 310 |
| FEB | | | | | | | | | | | |
| 01... | 0930 | 40 | 1 | 3.0 | 63 | 28 | 33 | .10 | 4.8 | 177 | 160 |
| APR | | | | | | | | | | | |
| 02... | 1100 | 49 | 2 | 2.9 | 74 | 45 | 79 | .20 | 4.9 | 274 | 260 |
| JUN | | | | | | | | | | | |
| 06... | 1100 | 53 | 3 | 3.2 | 87 | 53 | 110 | .20 | 5.1 | 419 | 340 |
| AUG | | | | | | | | | | | |
| 01... | 1140 | 43 | 2 | 3.1 | 102 | 43 | 69 | .20 | 1.0 | 310 | 270 |

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608) | NITRO-GEN, AM-MONIA + ORGANIC 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) | 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 26... | 1110 | .62 | <.100 | .320 | .70 | .090 | .040 | .030 | <10 | 1 | 130 |
| DEC 05... | 1000 | .44 | .350 | .090 | 1.1 | .140 | .060 | .050 | -- | -- | -- |
| FEB 01... | 0930 | .24 | .510 | .250 | 1.0 | .120 | .070 | .040 | 110 | 1 | 65 |
| APR 02... | 1100 | .37 | .620 | .080 | 1.2 | .080 | .070 | .050 | -- | -- | -- |
| JUN 06... | 1100 | .57 | .650 | .150 | .50 | .120 | .060 | .050 | <10 | 1 | 89 |
| AUG 01... | 1140 | .42 | <.100 | .170 | .70 | .110 | .020 | .050 | 20 | 2 | 90 |

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 26... | 1110 | <.5 | <1 | 50 | <3 | 4 | 14 | 1 | 6 | 1 | <.1 |
| FEB 01... | 0930 | <.5 | <1 | <1 | <3 | 2 | 150 | 1 | <4 | 48 | <.1 |
| JUN 06... | 1100 | -- | <1 | <1 | <3 | 6 | 18 | 5 | 7 | 8 | <.1 |
| AUG 01... | 1140 | <.0 | <1 | <1 | <3 | 4 | 19 | <1 | 6 | 24 | .4 |

| 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) | 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 26... | 1110 | <10 | 3 | <1 | <1 | 400 | 9 | 12 | 1290 | 83 |
| DEC 05... | 1000 | -- | -- | -- | -- | -- | -- | 56 | 9330 | 93 |
| FEB 01... | 0930 | <10 | 2 | <1 | <1 | 150 | 5 | 7 | 236 | 84 |
| APR 02... | 1100 | -- | -- | -- | -- | -- | -- | 135 | 0500 | 78 |
| JUN 06... | 1100 | <10 | 4 | <1 | 1 | 310 | 7 | 531 | 3400 | 16 |
| AUG 01... | 1140 | <10 | 2 | <1 | <1 | 320 | 8 | 4 | .00 | 53 |

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR
(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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1300 | 9 | 80513 | 80010 | 282000 | 532 | 8.1 | 18.0 | 30 | 8.3 | 88 |
| JAN 31... | 1500 | 9 | 80513 | 80010 | 440000 | 390 | 7.6 | 3.5 | 40 | 8.4 | 63 |
| APR 03... | 1130 | 9 | 80513 | 80010 | 1310000 | 415 | 7.8 | 8.5 | 90 | 10.4 | 90 |
| JUL 09... | 1500 | 9 | 80513 | 80010 | 683000 | 426 | 8.0 | 28.0 | 75 | 6.4 | 81 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1300 | 760 | 440 | 120 | 180 | 49 | 49 | 45 | 16 | 39 | 32 |
| JAN 31... | 1500 | 767 | 440 | 1200 | 140 | 29 | 29 | 37 | 12 | 16 | 19 |
| APR 03... | 1130 | 754 | 140 | 240 | 130 | 39 | 39 | 36 | 10 | 16 | 21 |
| JUL 09... | 1500 | 770 | 1300 | 120 | 170 | 48 | 48 | 46 | 14 | 13 | 14 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1300 | 1 | 3.5 | 130 | 83 | 37 | .40 | 5.3 | 321 | 310 | .44 |
| JAN 31... | 1500 | .6 | 2.7 | 113 | 48 | 17 | .20 | 8.3 | 234 | 210 | .32 |
| APR 03... | 1130 | .6 | 2.6 | 92 | 46 | 22 | .20 | 6.5 | 217 | 200 | .30 |
| JUL 09... | 1500 | .4 | 3.6 | 125 | 51 | 15 | .30 | 7.5 | 287 | 230 | .39 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1300 | .950 | .220 | .50 | .220 | .090 | .080 | 20 | 2 | 93 | <.5 |
| JAN 31... | 1500 | 1.50 | .200 | .70 | .130 | .060 | .040 | 30 | 1 | 69 | <.5 |
| APR 03... | 1130 | 2.10 | .050 | 1.4 | .100 | .100 | .050 | 60 | 1 | 60 | <.5 |
| JUL 09... | 1500 | 2.70 | .100 | 1.4 | .150 | .120 | .110 | <10 | 2 | 92 | <.0 |

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 25... | 1300 | <1 | 50 | <3 | 6 | 16 | 2 | 12 | 4 | <.1 |
| JAN 31... | 1500 | <1 | 1 | <3 | 4 | 37 | 2 | <4 | 13 | <.1 |
| APR 03... | 1130 | <1 | 1 | <3 | 6 | 83 | 3 | 5 | 7 | <.1 |
| JUL 09... | 1500 | 1 | <1 | <3 | 23 | 14 | 1 | 11 | 3 | .2 |

| 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) | 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... | 1300 | <10 | 2 | 2 | <1 | 260 | 32 | 89 | 67800 | 80 |
| JAN 31... | 1500 | <10 | 5 | <1 | <1 | 150 | 20 | 69 | 82000 | 73 |
| APR 03... | 1130 | <10 | 1 | <1 | <1 | 160 | 20 | 365 | 1290000 | 67 |
| JUL 09... | 1500 | <10 | 15 | <1 | <1 | 190 | 23 | 220 | 406000 | 94 |

## 07336860 RED RIVER NEAR FOREMAN, AR

LOCATION.--Lat 33°34'12", long 94°24'39" in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0800 | 9 | 9827 | 9827 | 1130 | 8.0 | 21.0 | 20.0 | 15 | 8.2 |
| NOV | | | | | | | | | | |
| 08... | 0800 | 9 | 9827 | 9827 | 18400 | 8.0 | 16.0 | 15.0 | 110 | 8.6 |
| DEC | | | | | | | | | | |
| 13... | 0800 | 9 | 9827 | 9827 | 5080 | 7.9 | 8.0 | 9.0 | 120 | 10.0 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0800 | 9 | 9827 | 9827 | 3830 | 7.9 | 2.0 | 2.0 | -- | 12.8 |
| FEB | | | | | | | | | | |
| 14... | 0800 | 9 | 9827 | 9827 | 10500 | 7.7 | 9.0 | 11.0 | 400 | 7.9 |
| MAR | | | | | | | | | | |
| 13... | 0800 | 9 | 9827 | 9827 | 15400 | 7.8 | 10.0 | 9.0 | 110 | 10.5 |
| APR | | | | | | | | | | |
| 10... | 0800 | 9 | 9827 | 9827 | 14000 | 7.9 | 16.0 | 10.0 | 65 | 9.4 |
| MAY | | | | | | | | | | |
| 15... | 0800 | 9 | 9827 | 9827 | 5420 | 8.0 | 18.0 | 24.0 | 60 | 7.7 |
| JUN | | | | | | | | | | |
| 12... | 0800 | 9 | 9827 | 9827 | 3020 | 8.0 | 21.0 | 26.0 | 25 | -- |
| JUL | | | | | | | | | | |
| 17... | 0800 | 9 | 9827 | 9827 | 3920 | 8.0 | 24.0 | 28.0 | 30 | 7.5 |
| AUG | | | | | | | | | | |
| 14... | 1115 | 9 | 9827 | 9827 | 2860 | 8.2 | 28.0 | 28.0 | 30 | 7.9 |
| SEP | | | | | | | | | | |
| 11... | 1000 | 9 | 9827 | 9827 | 2000 | 8.1 | 26.0 | 26.0 | -- | 7.8 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0800 | 4.6 | -- | 97 | 120 | 562 | .76 | 23 | .04 | -- |
| NOV | | | | | | | | | | |
| 08... | 0800 | 1.6 | 220 | 110 | 240 | 818 | 1.1 | 84 | .32 | .090 |
| DEC | | | | | | | | | | |
| 13... | 0800 | 2.4 | 1300 | 95 | 130 | 537 | .73 | 146 | .34 | .070 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0800 | 2.1 | -- | 110 | 180 | 551 | .75 | 45 | .35 | -- |
| FEB | | | | | | | | | | |
| 14... | 0800 | 4.6 | 2900 | 54 | 78 | 326 | .44 | 479 | .49 | .210 |
| MAR | | | | | | | | | | |
| 13... | 0800 | 1.4 | 1600 | 150 | 240 | 767 | 1.0 | 192 | .30 | .030 |
| APR | | | | | | | | | | |
| 10... | 0800 | 2.2 | 140 | 97 | 180 | 635 | .86 | 103 | .21 | .040 |
| MAY | | | | | | | | | | |
| 15... | 0800 | 3.4 | 60 | 140 | 200 | 676 | .92 | 112 | <.01 | <.010 |
| JUN | | | | | | | | | | |
| 12... | 0800 | 3.0 | <10 | 170 | 25 | 802 | 1.1 | 63 | .01 | <.010 |
| JUL | | | | | | | | | | |
| 17... | 0800 | 3.3 | 44 | 200 | 29 | 890 | 1.2 | 41 | .04 | <.010 |
| AUG | | | | | | | | | | |
| 14... | 1115 | 3.7 | 50 | 200 | 320 | 958 | 1.3 | 54 | -- | <.010 |
| SEP | | | | | | | | | | |
| 11... | 1000 | 3.1 | 50 | 180 | 270 | 906 | 1.2 | 46 | .06 | <.010 |

07336860 RED RIVER NEAR FOREMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0800 | .070 | <.010 | -- | 0 | <1 | 13 | 23 | -- | -- |
| NOV | | | | | | | | | | |
| 08... | 0800 | -- | .020 | <5 | 0 | 12 | -- | 27 | <5 | 90 |
| DEC | | | | | | | | | | |
| 13... | 0800 | .180 | -- | -- | 0 | 9 | 15 | 18 | -- | 90 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0800 | .090 | .030 | -- | 0 | 3 | 69 | -- | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 0800 | .520 | .090 | 16 | 0 | 16 | 43 | 110 | <5 | 190 |
| MAR | | | | | | | | | | |
| 13... | 0800 | .200 | .050 | -- | 0 | -- | 24 | 54 | -- | 170 |
| APR | | | | | | | | | | |
| 10... | 0800 | .140 | .040 | <5 | 0 | 3 | 34 | 26 | <5 | 190 |
| MAY | | | | | | | | | | |
| 15... | 0800 | .130 | .010 | -- | 0 | 3 | 12 | 28 | -- | 50 |
| JUN | | | | | | | | | | |
| 12... | 0800 | .120 | .010 | -- | 0 | <1 | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 17... | 0800 | .080 | .020 | -- | 0 | <1 | 35 | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1115 | .110 | .020 | <5 | 0 | 4 | 32 | 29 | <5 | 50 |
| SEP | | | | | | | | | | |
| 11... | 1000 | .120 | <.010 | -- | 0 | <1 | 41 | 33 | -- | 80 |

## 07337000 RED RIVER AT INDEX, AR

LOCATION.--Lat 33°33'07", long 94°02'28", in NW 1/4 SW 1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 $mi^2$, of which 5,936 $mi^2$ is probably noncontributing.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft 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.--Records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft.

AVERAGE DISCHARGE.--48 years, 11,620 $ft^3/s$, 8,419,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 $ft^3/s$ Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 $ft^3/s$ Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,100 $ft^3/s$ May 5, gage height, 14.34 ft; minimum daily, 1,130 $ft^3/s$ Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1680 | 25800 | 8960 | 4800 | 2590 | 17400 | 29600 | 5650 | 7090 | 3500 | 3030 | 2570 |
| 2 | 2340 | 27000 | 8690 | 4090 | 2330 | 18100 | 25800 | 5560 | 8880 | 3800 | 2850 | 2360 |
| 3 | 2950 | 27300 | 9030 | 3470 | 2260 | 15500 | 22800 | 15300 | 7890 | 4050 | 2300 | 3070 |
| 4 | 2810 | 27500 | 8670 | 3480 | 2170 | 12300 | 19100 | 33500 | 5650 | 4440 | 1920 | 3270 |
| 5 | 2740 | 27200 | 7570 | 3840 | 2240 | 10700 | 16000 | 38700 | 4470 | 5310 | 2010 | 3030 |
| 6 | 2670 | 25800 | 6490 | 3900 | 2850 | 9930 | 16000 | 31900 | 4250 | 5000 | 2290 | 2470 |
| 7 | 2520 | 22100 | 5910 | 3440 | 2620 | 8860 | 16200 | 25600 | 4060 | 4760 | 2300 | 2050 |
| 8 | 2660 | 19100 | 5310 | 3630 | 2090 | 7250 | 13500 | 21600 | 3290 | 5670 | 2590 | 1870 |
| 9 | 3430 | 17800 | 4730 | 3280 | 2070 | 6770 | 12100 | 18600 | 2870 | 5320 | 2370 | 1900 |
| 10 | 3530 | 17600 | 4270 | 3100 | 2110 | 7760 | 12600 | 16500 | 3310 | 4410 | 2160 | 1950 |
| 11 | 2750 | 17500 | 4360 | 3110 | 1980 | 7810 | 14600 | 15400 | 3660 | 3980 | 1930 | 2120 |
| 12 | 2110 | 17500 | 4750 | 2930 | 3330 | 8410 | 15700 | 14400 | 3650 | 3720 | 1880 | 2290 |
| 13 | 1700 | 16800 | 5310 | 2570 | 7700 | 12200 | 19200 | 11600 | 3600 | 3220 | 2260 | 2100 |
| 14 | 1520 | 14000 | 4770 | 2440 | 12000 | 18900 | 19900 | 8860 | 3520 | 3240 | 2780 | 1730 |
| 15 | 1420 | 12100 | 4540 | 3910 | 10600 | 26200 | 17400 | 7020 | 2860 | 3900 | 3110 | 1560 |
| 16 | 1320 | 11500 | 4610 | 4930 | 10500 | 25900 | 13600 | 5990 | 2420 | 4120 | 2770 | 1450 |
| 17 | 1220 | 11300 | 4570 | 4460 | 9570 | 23900 | 11300 | 5390 | 3090 | 4000 | 2230 | 1410 |
| 18 | 1160 | 11100 | 4270 | 3780 | 8360 | 22400 | 9880 | 4840 | 4670 | 3820 | 1810 | 1390 |
| 19 | 1130 | 11400 | 4240 | 3250 | 7130 | 20300 | 8750 | 4740 | 5210 | 3510 | 1810 | 1350 |
| 20 | 1160 | 11500 | 4270 | 2900 | 5400 | 18100 | 7550 | 5130 | 5310 | 2910 | 2250 | 1310 |
| 21 | 1150 | 10800 | 4300 | 2700 | 4520 | 18000 | 7220 | 4670 | 4730 | 2740 | 2500 | 1280 |
| 22 | 1250 | 9090 | 3920 | 3890 | 4480 | 20100 | 7650 | 4900 | 3890 | 3180 | 2560 | 1330 |
| 23 | 2070 | 8590 | 3540 | 4830 | 4270 | 21400 | 10100 | 4610 | 3670 | 3390 | 2560 | 1360 |
| 24 | 2300 | 8330 | 3610 | 4590 | 3400 | 21200 | 11600 | 4320 | 3850 | 3440 | 2500 | 1320 |
| 25 | 2100 | 8330 | 2380 | 4270 | 3430 | 24400 | 13300 | 5930 | 3750 | 3460 | 2500 | 1330 |
| 26 | 2300 | 9280 | 2080 | 3820 | 4190 | 27000 | 13600 | 6490 | 3500 | 3440 | 2590 | 1320 |
| 27 | 14100 | 10000 | 2820 | 3120 | 4530 | 26700 | 11200 | 5660 | 3640 | 2640 | 2730 | 1290 |
| 28 | 27900 | 10500 | 4200 | 3020 | 5000 | 31600 | 8900 | 5190 | 3640 | 2300 | 2630 | 1370 |
| 29 | 30900 | 10800 | 4440 | 3160 | 9570 | 36200 | 6840 | 5090 | 3160 | 2750 | 2400 | 1420 |
| 30 | 31200 | 9690 | 5050 | 2910 | --- | 34500 | 5770 | 5100 | 3070 | 3120 | 2820 | 1360 |
| 31 | 27100 | --- | 5370 | 2780 | --- | 32600 | --- | 4940 | --- | 3160 | 3040 | --- |
| TOTAL | 185190 | 467310 | 157030 | 110400 | 143290 | 592390 | 417760 | 353180 | 126650 | 116300 | 75480 | 54630 |
| MEAN | 5974 | 15580 | 5065 | 3561 | 4941 | 19110 | 13930 | 11390 | 4222 | 3752 | 2435 | 1821 |
| MAX | 31200 | 27500 | 9030 | 4930 | 12000 | 36200 | 29600 | 38700 | 8880 | 5670 | 3110 | 3270 |
| MIN | 1130 | 8330 | 2080 | 2440 | 1980 | 6770 | 5770 | 4320 | 2420 | 2300 | 1810 | 1280 |
| AC-FT | 367300 | 926900 | 311500 | 219000 | 284200 | 1175000 | 828600 | 700500 | 251200 | 230700 | 149700 | 108400 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 3595720 | MEAN | 9851 | MAX | 43900 | MIN | 1130 | AC-FT | 7132000 |
| WTR YR 1984 | TOTAL | 2799610 | MEAN | 7649 | MAX | 38700 | MIN | 1130 | AC-FT | 5553000 |

07337000 RED RIVER AT INDEX, AR--CONTINUED
(National stream-quality accounting network)

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1045 | 9 | 80513 | 80010 | 2160 | 1290 | 8.1 | 21.0 | 8.0 | 8.0 | 91 |
| DEC 12... | 1300 | 9 | 80513 | 80010 | 4760 | 830 | 7.8 | 11.0 | 39 | 9.4 | 86 |
| FEB 08... | 0800 | 9 | 80513 | 80010 | 2000 | 994 | 8.0 | 6.5 | 12 | 13.6 | 110 |
| APR 11... | 1015 | 9 | 80513 | 80010 | 13600 | 930 | 7.7 | 15.0 | 80 | 9.8 | 98 |
| JUN 20... | 0915 | 9 | 80513 | 80010 | 4900 | 1610 | 8.3 | 30.0 | 17 | 6.4 | 86 |
| AUG 30... | 1100 | 9 | 80513 | 80010 | 2990 | 825 | 8.3 | 25.0 | 15 | 5.8 | 70 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1045 | 759 | 150 | 140 | 310 | 165 | 170 | 80 | 26 | 140 | 49 |
| DEC 12... | 1300 | 759 | 650 | 270 | 190 | 88 | 88 | 53 | 15 | 96 | 51 |
| FEB 08... | 0800 | 768 | 390 | 68 | 260 | 61 | 61 | 69 | 20 | 100 | 46 |
| APR 11... | 1015 | 757 | 600 | K2500 | 200 | 105 | 110 | 55 | 15 | 96 | 51 |
| JUN 20... | 0915 | 758 | 86 | 180 | 340 | 214 | 210 | 89 | 29 | 180 | 53 |
| AUG 30... | 1100 | 766 | 49 | 610 | 330 | 182 | 180 | 87 | 28 | 210 | 57 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1045 | 4 | 5.7 | 142 | 170 | 220 | .30 | 4.1 | 768 | 730 | 1.0 |
| DEC 12... | 1300 | 3 | 4.2 | 107 | 100 | 130 | .20 | 5.8 | 483 | 470 | .66 |
| FEB 08... | 0800 | 3 | 3.9 | 195 | 100 | 140 | .20 | 5.5 | 597 | 560 | .81 |
| APR 11... | 1015 | 3 | 3.3 | 94 | 120 | 160 | .20 | 5.3 | 507 | 510 | .69 |
| JUN 20... | 0915 | 4 | 5.0 | 129 | 220 | 310 | .30 | 2.3 | 1060 | 910 | 1.4 |
| AUG 30... | 1100 | 5 | 4.9 | 152 | 210 | .00 | .30 | 4.8 | 629 | 640 | .86 |

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 12... | 1045 | <.100 | .050 | .60 | .080 | .010 | <.010 | -- | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 12... | 1300 | .370 | .160 | .50 | .120 | .050 | .050 | 150 | 2 | 130 | .5 |
| FEB | | | | | | | | | | | |
| 08... | 0800 | <.100 | <.010 | 1.1 | .100 | .020 | <.010 | 30 | 1 | 170 | <.5 |
| APR | | | | | | | | | | | |
| 11... | 1015 | .280 | .240 | 2.1 | .170 | .040 | .020 | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 20... | 0915 | <.100 | .110 | 1.1 | .090 | <.010 | .010 | 20 | 1 | 250 | <.0 |
| AUG | | | | | | | | | | | |
| 30... | 1100 | <.100 | .090 | .80 | .080 | .020 | <.010 | 30 | 2 | 220 | <.0 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1300 | 1 | 30 | <3 | 3 | 120 | 2 | 8 | 29 | <.1 |
| FEB | | | | | | | | | | |
| 08... | 0800 | <1 | 2 | <3 | 2 | 59 | 1 | 14 | 46 | .4 |
| JUN | | | | | | | | | | |
| 20... | 0915 | <1 | <1 | <3 | 1 | 13 | 9 | 15 | 7 | .1 |
| AUG | | | | | | | | | | |
| 30... | 1100 | <1 | 1 | <3 | 3 | 28 | 3 | 21 | 33 | .3 |

| 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) | 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 | | | | | | | | | | |
| 12... | 1045 | -- | -- | -- | -- | -- | -- | 22 | 128 | 80 |
| DEC | | | | | | | | | | |
| 12... | 1300 | <10 | 1 | <1 | <1 | 520 | 16 | 97 | 1250 | 78 |
| FEB | | | | | | | | | | |
| 08... | 0800 | <10 | 2 | <1 | <1 | 670 | 8 | 16 | 86 | 91 |
| APR | | | | | | | | | | |
| 11... | 1015 | -- | -- | -- | -- | -- | -- | 374 | 13700 | 65 |
| JUN | | | | | | | | | | |
| 20... | 0915 | <10 | 1 | <1 | <1 | 1100 | 13 | 63 | 833 | 65 |
| AUG | | | | | | | | | | |
| 30... | 1100 | <10 | 1 | <1 | 1 | 1100 | 16 | 46 | 371 | 86 |

07338720 MOUNTAIN FORK NEAR HATFIELD, AR

LOCATION.--Lat 34°30'12", long 94°25'50", in NE 1/4 NE 1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi (5.0 km) northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 1979 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1000 | 9 | 9827 | 9827 | 6.9 | 18.0 | 12.0 | 2.2 | 11.1 |
| DEC | | | | | | | | | |
| 06... | 0850 | 9 | 9827 | 9827 | 6.4 | 2.0 | 11.0 | 20 | 11.1 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1010 | 9 | 9827 | 9827 | 6.6 | 5.0 | 3.0 | 20 | 15.8 |
| FEB | | | | | | | | | |
| 07... | 0949 | 9 | 9827 | 9827 | 6.8 | 11.0 | 3.0 | 6.0 | 17.8 |
| MAR | | | | | | | | | |
| 06... | 0900 | 9 | 9827 | 9827 | 6.3 | 12.0 | 9.0 | 9.3 | 11.5 |
| APR | | | | | | | | | |
| 17... | 0940 | 9 | 9827 | 9827 | 6.7 | 22.0 | 15.0 | 5.0 | 10.3 |
| MAY | | | | | | | | | |
| 15... | 0905 | 9 | 9827 | 9827 | 6.7 | 22.0 | 22.0 | 5.0 | 8.5 |
| JUN | | | | | | | | | |
| 12... | 0905 | 9 | 9827 | 9827 | 6.7 | 31.0 | 26.0 | 4.0 | 7.5 |
| JUL | | | | | | | | | |
| 24... | 0845 | 9 | 9827 | 9827 | 6.7 | 25.0 | 25.0 | 6.6 | 8.7 |
| AUG | | | | | | | | | |
| 28... | 1138 | 9 | 9827 | 9827 | 7.0 | 31.0 | 28.0 | 5.0 | 7.3 |
| SEP | | | | | | | | | |
| 25... | 1012 | 9 | 9827 | 9827 | -- | 26.0 | 24.0 | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1000 | 2.6 | 4 | 2.0 | 9.5 | 37 | .05 | 4 | .10 |
| DEC | | | | | | | | | |
| 06... | 0850 | 1.5 | 230 | 3.0 | 3.5 | 41 | .06 | 5 | .38 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1010 | 1.3 | 74 | 5.0 | 3.5 | 40 | .05 | 6 | .17 |
| FEB | | | | | | | | | |
| 07... | 0949 | 1.6 | <4 | 5.0 | 90 | 41 | .06 | 2 | .12 |
| MAR | | | | | | | | | |
| 06... | 0900 | 1.3 | 90 | -- | 2.5 | 30 | .04 | 2 | -- |
| APR | | | | | | | | | |
| 17... | 0940 | .9 | <10 | 2.0 | 2.5 | 34 | .05 | 2 | .05 |
| MAY | | | | | | | | | |
| 15... | 0905 | 1.8 | 100 | 8.0 | 2.0 | 40 | .05 | 4 | .03 |
| JUN | | | | | | | | | |
| 12... | 0905 | 1.8 | 12 | 2.0 | -- | 36 | .05 | -- | .04 |
| JUL | | | | | | | | | |
| 24... | 0845 | 3.1 | 16 | -- | 2.0 | 31 | .04 | 10 | .03 |
| AUG | | | | | | | | | |
| 28... | 1138 | 2.1 | 140 | 2.0 | 3.0 | 31 | .04 | 7 | <.01 |
| SEP | | | | | | | | | |
| 25... | 1012 | -- | 210 | -- | -- | -- | -- | -- | -- |

07338720 MOUTAIN FORK NEAR HATFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1000 | <.010 | .160 | .140 | 0 | <1 | 10 | <1 | 0 |
| DEC | | | | | | | | | |
| 06... | 0850 | .030 | .030 | .020 | 0 | 1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1010 | .060 | .050 | .010 | 0 | -- | <10 | <1 | 0 |
| FEB | | | | | | | | | |
| 07... | 0949 | .050 | .010 | .010 | 0 | <1 | -- | <1 | -- |
| MAR | | | | | | | | | |
| 06... | 0900 | -- | -- | .050 | 0 | <1 | <10 | -- | 0 |
| APR | | | | | | | | | |
| 17... | 0940 | .010 | .040 | .020 | 0 | 2 | <10 | -- | 0 |
| MAY | | | | | | | | | |
| 15... | 0905 | <.010 | .040 | .040 | 0 | <1 | -- | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 0905 | <.010 | .060 | .090 | 0 | <1 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 24... | 0845 | .190 | .050 | .050 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 28... | 1138 | <.010 | .050 | .030 | 0 | <1 | <10 | <1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 0845 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07339450 DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'53", long 94°22'51", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam on Rolling Fork about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 11... | 1330 | 9 | 80513 | 80513 | .00 | 49.0 | 44 | 8.7 |
| 11... | 1332 | 9 | 80513 | 80513 | 10.0 | 49.0 | 44 | 8.6 |
| 11... | 1334 | 9 | 80513 | 80513 | 20.0 | 49.0 | 44 | 8.6 |
| 11... | 1336 | 9 | 80513 | 80513 | 30.0 | 49.0 | 48 | 8.4 |
| 11... | 1338 | 9 | 80513 | 80513 | 40.0 | 49.0 | 74 | 8.4 |
| 11... | 1340 | 9 | 80513 | 80513 | 49.0 | 49.0 | 120 | 8.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 11... | 1330 | 22.0 | 36.0 | .90 | 5.0 | 58 | 752 |
| 11... | 1332 | 22.0 | -- | -- | 4.3 | -- | -- |
| 11... | 1334 | 22.0 | -- | -- | 4.4 | -- | -- |
| 11... | 1336 | 22.0 | -- | -- | 3.0 | -- | -- |
| 11... | 1338 | 22.0 | -- | -- | .2 | -- | -- |
| 11... | 1340 | 21.0 | -- | -- | .0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 02... | 1300 | 9 | 80513 | 80513 | .00 | 54.0 | 48 | 6.9 |
| 02... | 1302 | 9 | 80513 | 80513 | 10.0 | 54.0 | 48 | 6.8 |
| 02... | 1304 | 9 | 80513 | 80513 | 20.0 | 54.0 | 50 | 6.7 |
| 02... | 1306 | 9 | 80513 | 80513 | 30.0 | 54.0 | 50 | 6.7 |
| 02... | 1308 | 9 | 80513 | 80513 | 40.0 | 54.0 | 54 | 6.6 |
| 02... | 1309 | 9 | 80513 | 80513 | 50.0 | 54.0 | 58 | 6.4 |
| 02... | 1310 | 9 | 80513 | 80513 | 54.0 | 54.0 | 62 | 6.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 02... | 1300 | 19.0 | 62.4 | 1.60 | 6.6 | 71 | 759 |
| 02... | 1302 | 19.0 | -- | -- | 5.0 | -- | -- |
| 02... | 1304 | 18.5 | -- | -- | 4.2 | -- | -- |
| 02... | 1306 | 18.0 | -- | -- | 4.1 | -- | -- |
| 02... | 1308 | 18.0 | -- | -- | 2.1 | -- | -- |
| 02... | 1309 | 18.0 | -- | -- | .2 | -- | -- |
| 02... | 1310 | 18.0 | -- | -- | .1 | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0800 | 9 | 80513 | 80513 | .00 | 60.0 | 43 | 7.2 | 5.0 | 10.5 | 38.4 |
| 13... | 0801 | 9 | 80513 | 80010 | 3.00 | 60.0 | -- | -- | -- | -- | -- |
| 13... | 0802 | 9 | 80513 | 80513 | 10.0 | 60.0 | 43 | 7.2 | -- | 10.5 | -- |
| 13... | 0805 | 9 | 80513 | 80010 | 12.0 | 60.0 | 43 | 7.2 | -- | 10.5 | -- |
| 13... | 0806 | 9 | 80513 | 80513 | 20.0 | 60.0 | 43 | 7.2 | -- | 10.5 | -- |
| 13... | 0808 | 9 | 80513 | 80513 | 30.0 | 60.0 | 43 | 7.2 | -- | 10.5 | -- |
| 13... | 0809 | 9 | 80513 | 80513 | 40.0 | 60.0 | 43 | 7.2 | -- | 10.5 | -- |
| 13... | 0810 | 9 | 80513 | 80010 | 48.0 | 60.0 | 41 | 7.2 | -- | 10.5 | -- |
| 13... | 0813 | 9 | 80513 | 80513 | 50.0 | 60.0 | 40 | 7.2 | -- | 10.5 | -- |
| 13... | 0815 | 9 | 80513 | 80513 | 60.0 | 60.0 | 39 | 7.2 | -- | 9.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0800 | 1.00 | 8.5 | 78 | 748 | -- | -- | -- | 26 | -- | -- |
| 13... | 0801 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 13... | 0802 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 0805 | -- | 8.4 | 77 | 748 | 14 | 8.9 | 1.1 | -- | 9 | 0 |
| 13... | 0806 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 0808 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 0809 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 0810 | -- | 8.0 | 73 | 748 | 17 | 14 | 1.4 | -- | 9 | 0 |
| 13... | 0813 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 0815 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0805 | 0 | 2.1 | 5.0 | .90 | 1.1 | 10 | 3.0 | 4.1 | .300 |
| 13... | 0810 | 0 | 2.0 | 5.0 | .90 | 1.1 | 10 | 3.0 | 4.3 | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0805 | .380 | .02 | .40 | .70 | .030 | .030 | 190 | 1 | 10 |
| 13... | 0810 | .160 | .24 | .40 | .70 | .060 | <.010 | 230 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0801 | -- | -- | -- | -- | -- | -- | -- | 3.00 | .600 |
| 13... | 0805 | 6 | 450 | 4 | 40 | <.1 | 1 | 20 | -- | -- |
| 13... | 0810 | 7 | 470 | 4 | 50 | <.1 | 1 | 10 | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | | | |
| 10... | 0800 | 9 | 80513 | 80513 | .00 | 68.0 | 32 | 7.4 | 6.0 | 69.6 | 10.8 |
| 10... | 0802 | 9 | 80513 | 80513 | 10.0 | 68.0 | 32 | 7.3 | 6.0 | -- | 10.6 |
| 10... | 0805 | 9 | 80513 | 80513 | 20.0 | 68.0 | 32 | 7.3 | 6.0 | -- | 10.4 |
| 10... | 0807 | 9 | 80513 | 80513 | 30.0 | 68.0 | 32 | 7.3 | 6.0 | -- | 9.0 |
| 10... | 0809 | 9 | 80513 | 80513 | 40.0 | 68.0 | 32 | 7.4 | 6.0 | -- | 9.0 |
| 10... | 0811 | 9 | 80513 | 80513 | 50.0 | 68.0 | 32 | 7.6 | 6.0 | -- | 9.0 |
| 10... | 0812 | 9 | 80513 | 80513 | 60.0 | 68.0 | 32 | 7.6 | 6.0 | -- | 9.0 |
| 10... | 0815 | 9 | 80513 | 80513 | 68.0 | 68.0 | 32 | 7.6 | 6.0 | -- | 9.0 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 07... | 1000 | 9 | 80513 | 80513 | .00 | 58.0 | 40 | 6.5 |
| 07... | 1002 | 9 | 80513 | 80513 | 10.0 | 58.0 | 40 | 6.7 |
| 07... | 1004 | 9 | 80513 | 80513 | 20.0 | 58.0 | 40 | 6.7 |
| 07... | 1006 | 9 | 80513 | 80513 | 30.0 | 58.0 | 40 | 6.7 |
| 07... | 1008 | 9 | 80513 | 80513 | 40.0 | 58.0 | 40 | 6.7 |
| 07... | 1009 | 9 | 80513 | 80513 | 50.0 | 58.0 | 40 | 6.5 |
| 07... | 1010 | 9 | 80513 | 80513 | 58.0 | 58.0 | 40 | 6.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 07... | 1000 | 5.5 | 45.6 | 1.20 | 12.0 | 95 | 764 |
| 07... | 1002 | 5.0 | -- | -- | 12.2 | -- | -- |
| 07... | 1004 | 5.0 | -- | -- | 12.2 | -- | -- |
| 07... | 1006 | 5.0 | -- | -- | 12.2 | -- | -- |
| 07... | 1008 | 5.0 | -- | -- | 12.1 | -- | -- |
| 07... | 1009 | 5.0 | -- | -- | 12.0 | -- | -- |
| 07... | 1010 | 5.0 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 20... | 0930 | 9 | 80513 | 80513 | .00 | 72.0 | 32 | 6.8 |
| 20... | 0932 | 9 | 80513 | 80513 | 10.0 | 72.0 | 32 | 6.8 |
| 20... | 0934 | 9 | 80513 | 80513 | 20.0 | 72.0 | 32 | 6.8 |
| 20... | 0936 | 9 | 80513 | 80513 | 30.0 | 72.0 | 32 | 6.8 |
| 20... | 0938 | 9 | 80513 | 80513 | 40.0 | 72.0 | 32 | 6.8 |
| 20... | 0940 | 9 | 80513 | 80513 | 50.0 | 72.0 | 32 | 6.8 |
| 20... | 0942 | 9 | 80513 | 80513 | 60.0 | 72.0 | 32 | 6.8 |
| 20... | 0944 | 9 | 80513 | 80513 | 70.0 | 72.0 | 32 | 6.8 |
| 20... | 0945 | 9 | 80513 | 80513 | 72.0 | 72.0 | 32 | 6.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 20... | 0930 | 11.5 | 38.4 | 1.00 | 10.2 | 95 | 753 |
| 20... | 0932 | 11.5 | -- | -- | 10.4 | -- | -- |
| 20... | 0934 | 11.5 | -- | -- | 8.4 | -- | -- |
| 20... | 0936 | 11.5 | -- | -- | 7.2 | -- | -- |
| 20... | 0938 | 11.0 | -- | -- | 7.2 | -- | -- |
| 20... | 0940 | 10.0 | -- | -- | 7.4 | -- | -- |
| 20... | 0942 | 9.0 | -- | -- | 7.4 | -- | -- |
| 20... | 0944 | 8.5 | -- | -- | 7.6 | -- | -- |
| 20... | 0945 | 8.5 | -- | -- | 7.6 | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 10... | 0800 | 9 | 80513 | 80513 | .00 | 56.0 | 32 | 7.0 |
| 10... | 0802 | 9 | 80513 | 80513 | 10.0 | 56.0 | 32 | 6.9 |
| 10... | 0804 | 9 | 80513 | 80513 | 20.0 | 56.0 | 32 | 6.8 |
| 10... | 0806 | 9 | 80513 | 80513 | 30.0 | 56.0 | 32 | 6.8 |
| 10... | 0808 | 9 | 80513 | 80513 | 40.0 | 56.0 | 32 | 6.7 |
| 10... | 0810 | 9 | 80513 | 80513 | 50.0 | 56.0 | 32 | 6.6 |
| 10... | 0815 | 9 | 80513 | 80513 | 56.0 | 56.0 | 32 | 6.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 10... | 0800 | 14.0 | 38.4 | 1.00 | 9.6 | 94 | 756 |
| 10... | 0802 | 13.5 | -- | -- | 9.3 | -- | -- |
| 10... | 0804 | 13.0 | -- | -- | 9.1 | -- | -- |
| 10... | 0806 | 12.5 | -- | -- | 8.9 | -- | -- |
| 10... | 0808 | 12.0 | -- | -- | 8.3 | -- | -- |
| 10... | 0810 | 12.0 | -- | -- | 8.1 | -- | -- |
| 10... | 0815 | 11.5 | -- | -- | 7.3 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 08... | 1830 | 9 | 80513 | 80513 | .00 | 72.0 | 32 | 8.6 | 22.0 | 20.0 | 48.0 |
| 08... | 1831 | 9 | 80513 | 80010 | 3.00 | 72.0 | -- | -- | -- | -- | -- |
| 08... | 1832 | 9 | 80513 | 80513 | 10.0 | 72.0 | 32 | 8.5 | -- | 20.0 | -- |
| 08... | 1835 | 9 | 80513 | 80010 | 14.5 | 72.0 | 32 | 6.9 | -- | 20.0 | -- |
| 08... | 1836 | 9 | 80513 | 80513 | 20.0 | 72.0 | 32 | 8.0 | -- | 19.5 | -- |
| 08... | 1838 | 9 | 80513 | 80513 | 22.0 | 72.0 | 32 | 7.5 | -- | 18.5 | -- |
| 08... | 1839 | 9 | 80513 | 80513 | 27.0 | 72.0 | 32 | 7.4 | -- | 17.5 | -- |
| 08... | 1841 | 9 | 80513 | 80513 | 30.0 | 72.0 | 32 | 6.9 | -- | 16.5 | -- |
| 08... | 1844 | 9 | 80513 | 80513 | 40.0 | 72.0 | 32 | 6.8 | -- | 15.5 | -- |
| 08... | 1848 | 9 | 80513 | 80513 | 50.0 | 72.0 | 32 | 6.7 | -- | 15.0 | -- |
| 08... | 1855 | 9 | 80513 | 80010 | 57.5 | 72.0 | 32 | 6.7 | -- | 14.5 | -- |
| 08... | 1859 | 9 | 80513 | 80513 | 60.0 | 72.0 | 32 | 6.3 | -- | 14.5 | -- |
| 08... | 1910 | 9 | 80513 | 80513 | 70.0 | 72.0 | 36 | 6.2 | -- | 14.0 | -- |
| 08... | 1915 | 9 | 80513 | 80513 | 72.0 | 72.0 | 38 | 6.0 | -- | 14.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 08... | 1830 | 1.20 | 9.2 | 101 | 765 | -- | -- | -- | 2 | -- | -- |
| 08... | 1831 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 08... | 1832 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1835 | -- | 9.1 | 100 | 765 | 15 | 26 | 2.7 | -- | 8 | 0 |
| 08... | 1836 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1838 | -- | 8.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1839 | -- | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1841 | -- | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1844 | -- | 7.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1848 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1855 | -- | 7.5 | 73 | 765 | 20 | 11 | 1.7 | -- | 8 | 0 |
| 08... | 1859 | -- | 7.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1910 | -- | 4.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1915 | -- | 3.0 | -- | -- | -- | -- | -- | -- | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 08... | 1835 | 0 | 1.8 | 5.0 | .80 | .8 | 8 | 3.8 | 1.8 | .200 |
| 08... | 1855 | 0 | 1.8 | 5.0 | .80 | .8 | 8 | 3.8 | 1.7 | .200 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 08... | 1835 | .240 | .06 | .30 | .50 | <.020 | <.020 | 80 | <1 | 30 |
| 08... | 1855 | .240 | .06 | .30 | .50 | <.020 | <.020 | 270 | <1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 08... | 1831 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 08... | 1835 | 1 | 140 | <1 | 100 | <.1 | 3 | 10 | -- | -- |
| 08... | 1855 | 1 | 450 | <1 | 70 | <.1 | 2 | 10 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 18... | 1800 | 9 | 80513 | 80513 | .00 | 62.0 | 34 | 8.1 |
| 18... | 1802 | 9 | 80513 | 80513 | 6.00 | 62.0 | 34 | 8.2 |
| 18... | 1804 | 9 | 80513 | 80513 | 8.00 | 62.0 | 34 | 8.6 |
| 18... | 1806 | 9 | 80513 | 80513 | 10.0 | 62.0 | 34 | 8.7 |
| 18... | 1808 | 9 | 80513 | 80513 | 12.0 | 62.0 | 34 | 8.3 |
| 18... | 1810 | 9 | 80513 | 80513 | 13.0 | 62.0 | 34 | 7.4 |
| 18... | 1812 | 9 | 80513 | 80513 | 15.0 | 62.0 | 34 | 6.8 |
| 18... | 1814 | 9 | 80513 | 80513 | 18.0 | 62.0 | 34 | 6.4 |
| 18... | 1816 | 9 | 80513 | 80513 | 20.0 | 62.0 | 34 | 6.2 |
| 18... | 1818 | 9 | 80513 | 80513 | 25.0 | 62.0 | 34 | 6.1 |
| 18... | 1820 | 9 | 80513 | 80513 | 30.0 | 62.0 | 34 | 6.1 |
| 18... | 1822 | 9 | 80513 | 80513 | 35.0 | 62.0 | 34 | 6.1 |
| 18... | 1824 | 9 | 80513 | 80513 | 40.0 | 62.0 | 34 | 6.1 |
| 18... | 1826 | 9 | 80513 | 80513 | 50.0 | 62.0 | 34 | 6.1 |
| 18... | 1828 | 9 | 80513 | 80513 | 60.0 | 62.0 | 34 | 6.4 |
| 18... | 1830 | 9 | 80513 | 80513 | 62.0 | 62.0 | 34 | 6.5 |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 18... | 1800 | 31.0 | 69.6 | 1.80 | 7.2 | 97 | 760 |
| 18... | 1802 | 30.0 | -- | -- | 7.4 | -- | -- |
| 18... | 1804 | 29.0 | -- | -- | 7.9 | -- | -- |
| 18... | 1806 | 28.0 | -- | -- | 8.3 | -- | -- |
| 18... | 1808 | 27.0 | -- | -- | 8.0 | -- | -- |
| 18... | 1810 | 26.0 | -- | -- | 7.3 | -- | -- |
| 18... | 1812 | 25.0 | -- | -- | 6.2 | -- | -- |
| 18... | 1814 | 24.0 | -- | -- | 3.2 | -- | -- |
| 18... | 1816 | 23.0 | -- | -- | 1.5 | -- | -- |
| 18... | 1818 | 22.0 | -- | -- | 1.5 | -- | -- |
| 18... | 1820 | 21.0 | -- | -- | 1.9 | -- | -- |
| 18... | 1822 | 20.0 | -- | -- | 1.5 | -- | -- |
| 18... | 1824 | 19.5 | -- | -- | .5 | -- | -- |
| 18... | 1826 | 19.0 | -- | -- | .1 | -- | -- |
| 18... | 1828 | 18.0 | -- | -- | .1 | -- | -- |
| 18... | 1830 | 17.0 | -- | -- | .1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 0900 | 9 | 80513 | 80513 | .00 | 56.0 | 30 | 7.0 | 28.0 | 68.4 |
| 24... | 0902 | 9 | 80513 | 80010 | 3.00 | 56.0 | 30 | 7.0 | 28.0 | -- |
| 24... | 0904 | 9 | 80513 | 80513 | 10.0 | 56.0 | 30 | 7.0 | 28.0 | -- |
| 24... | 0906 | 9 | 80513 | 80513 | 17.0 | 56.0 | 30 | 6.3 | 27.0 | -- |
| 24... | 0908 | 9 | 80513 | 80513 | 18.0 | 56.0 | 34 | 6.1 | 26.0 | -- |
| 24... | 0910 | 9 | 80513 | 80513 | 19.0 | 56.0 | 34 | 6.0 | 25.0 | -- |
| 24... | 0912 | 9 | 80513 | 80513 | 20.0 | 56.0 | 34 | 6.0 | 24.0 | -- |
| 24... | 0914 | 9 | 80513 | 80513 | 22.0 | 56.0 | 34 | 6.0 | 23.0 | -- |
| 24... | 0916 | 9 | 80513 | 80513 | 24.0 | 56.0 | 34 | 6.0 | 22.0 | -- |
| 24... | 0920 | 9 | 80513 | 80513 | 27.0 | 56.0 | 34 | 6.0 | 21.0 | -- |
| 24... | 0922 | 9 | 80513 | 80513 | 30.0 | 56.0 | 34 | 6.0 | 20.0 | -- |
| 24... | 0924 | 9 | 80513 | 80513 | 40.0 | 56.0 | 44 | 6.2 | 19.0 | -- |
| 24... | 0926 | 9 | 80513 | 80513 | 50.0 | 56.0 | 56 | 6.4 | 18.5 | -- |
| 24... | 0930 | 9 | 80513 | 80513 | 56.0 | 56.0 | 64 | 6.5 | 17.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 0900 | 1.70 | 6.8 | 87 | 764 | -- | -- | -- | -- | -- |
| 24... | 0902 | -- | 6.7 | 85 | 764 | <.100 | <.010 | <.010 | 5.70 | <.100 |
| 24... | 0904 | -- | 6.4 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0906 | -- | 3.3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0908 | -- | .5 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0910 | -- | .5 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0912 | -- | .4 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0914 | -- | .4 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0916 | -- | .4 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0920 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0922 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0924 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0926 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 0930 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 28... | 1530 | 9 | 80513 | 80513 | .00 | 68.0 | 34 | 7.7 | 37.0 | 26.0 |
| 28... | 1531 | 9 | 80513 | 80010 | 3.00 | 68.0 | 34 | 7.7 | -- | 25.5 |
| 28... | 1533 | 9 | 80513 | 80513 | 10.0 | 68.0 | 34 | 7.0 | -- | 25.0 |
| 28... | 1535 | 9 | 80513 | 80010 | 13.0 | 68.0 | 34 | 6.8 | -- | 24.5 |
| 28... | 1537 | 9 | 80513 | 80513 | 19.0 | 68.0 | 34 | 6.0 | -- | 23.5 |
| 28... | 1539 | 9 | 80513 | 80513 | 20.0 | 68.0 | 40 | 6.0 | -- | 23.0 |
| 28... | 1540 | 9 | 80513 | 80513 | 21.0 | 68.0 | 42 | 6.0 | -- | 22.0 |
| 28... | 1541 | 9 | 80513 | 80513 | 22.0 | 68.0 | 42 | 6.0 | -- | 21.0 |
| 28... | 1542 | 9 | 80513 | 80513 | 24.0 | 68.0 | 42 | 6.0 | -- | 20.0 |
| 28... | 1543 | 9 | 80513 | 80513 | 26.0 | 68.0 | 44 | 6.0 | -- | 19.0 |
| 28... | 1544 | 9 | 80513 | 80513 | 28.0 | 68.0 | 46 | 6.0 | -- | 18.0 |
| 28... | 1545 | 9 | 80513 | 80513 | 30.0 | 68.0 | 48 | 6.0 | -- | 17.5 |
| 28... | 1546 | 9 | 80513 | 80513 | 37.0 | 68.0 | 58 | 6.2 | -- | 16.5 |
| 28... | 1547 | 9 | 80513 | 80513 | 40.0 | 68.0 | 60 | 6.3 | -- | 16.0 |
| 28... | 1548 | 9 | 80513 | 80513 | 50.0 | 68.0 | 70 | 6.4 | -- | 15.5 |
| 28... | 1550 | 9 | 80513 | 80010 | 54.0 | 68.0 | 74 | 6.4 | -- | 15.5 |
| 28... | 1552 | 9 | 80513 | 80513 | 60.0 | 68.0 | 90 | 6.5 | -- | 14.5 |
| 28... | 1555 | 9 | 80513 | 80513 | 68.0 | 68.0 | 150 | 6.5 | -- | 13.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 28... | 1530 | 67.2 | 1.70 | 7.6 | 94 | 761 | -- | -- | -- | 16 |
| 28... | 1531 | -- | -- | 7.6 | 93 | 761 | -- | -- | 68 | -- |
| 28... | 1533 | -- | -- | 6.5 | -- | -- | -- | -- | -- | -- |
| 28... | 1535 | -- | -- | 6.3 | 76 | 761 | 2 | 1.0 | 1.3 | -- |
| 28... | 1537 | -- | -- | .7 | -- | -- | -- | -- | -- | -- |
| 28... | 1539 | -- | -- | .3 | -- | -- | -- | -- | -- | -- |
| 28... | 1540 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 28... | 1541 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 28... | 1542 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1543 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1544 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1545 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1546 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1547 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1548 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1550 | -- | -- | .1 | 1 | 761 | 100 | 2.5 | 1.0 | -- |
| 28... | 1552 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 28... | 1555 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 28... | 1535 | 12 | 3.3 | 2.1 | <.100 | .010 | <.010 | 90 | 2 | 10 |
| 28... | 1550 | 22 | 2.1 | 2.4 | <.100 | .180 | .160 | 70 | 6 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 28... | 1531 | -- | -- | -- | -- | -- | -- | -- | 1.80 | <.100 |
| 28... | 1535 | 1 | 230 | 1 | 30 | <.1 | 2 | 20 | -- | -- |
| 28... | 1550 | 1 | 6500 | 1 | 2000 | <.1 | 1 | 30 | -- | -- |

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 25... | 0900 | 9 | 80513 | 80513 | .00 | 62.0 | 32 | 6.8 | 25.0 | 78.0 |
| 25... | 0901 | 9 | 80513 | 80010 | 3.00 | 62.0 | 32 | 6.7 | 25.0 | -- |
| 25... | 0902 | 9 | 80513 | 80513 | 10.0 | 62.0 | 32 | 6.6 | 25.0 | -- |
| 25... | 0904 | 9 | 80513 | 80513 | 20.0 | 62.0 | 32 | 6.4 | 24.5 | -- |
| 25... | 0906 | 9 | 80513 | 80513 | 25.0 | 62.0 | 36 | 6.1 | 23.5 | -- |
| 25... | 0908 | 9 | 80513 | 80513 | 27.0 | 62.0 | 48 | 6.1 | 22.5 | -- |
| 25... | 0910 | 9 | 80513 | 80513 | 30.0 | 62.0 | 48 | 6.2 | 21.5 | -- |
| 25... | 0912 | 9 | 80513 | 80513 | 35.0 | 62.0 | 56 | 6.3 | 20.5 | -- |
| 25... | 0914 | 9 | 80513 | 80513 | 40.0 | 62.0 | 62 | 6.4 | 19.5 | -- |
| 25... | 0916 | 9 | 80513 | 80513 | 45.0 | 62.0 | 68 | 6.4 | 18.5 | -- |
| 25... | 0918 | 9 | 80513 | 80513 | 50.0 | 62.0 | 74 | 6.5 | 18.0 | -- |
| 25... | 0919 | 9 | 80513 | 80513 | 60.0 | 62.0 | 90 | 6.5 | 17.5 | -- |
| 25... | 0920 | 9 | 80513 | 80513 | 62.0 | 62.0 | 106 | 6.6 | 17.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 25... | 0900 | 2.00 | 6.8 | 82 | 762 | -- | -- | -- | -- |
| 25... | 0901 | -- | 6.8 | 82 | 762 | .010 | <.010 | 4.50 | <.100 |
| 25... | 0902 | -- | 6.7 | -- | -- | -- | -- | -- | -- |
| 25... | 0904 | -- | 4.9 | -- | -- | -- | -- | -- | -- |
| 25... | 0906 | -- | .4 | -- | -- | -- | -- | -- | -- |
| 25... | 0908 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0910 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0912 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0914 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0916 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0918 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0919 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 0920 | -- | .1 | -- | -- | -- | -- | -- | -- |

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'51", long 94°22'50", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam about 4.2 mi northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 11... | 1300 | 9 | 80513 | 80513 | 12 | 46 | 8.4 | 21.5 | 8.0 |
| NOV 02... | 1245 | 9 | 80513 | 80513 | 12 | 48 | 6.9 | 19.5 | 9.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 0730 | 9 | 80513 | 80010 | 1100 | 39 | 6.8 | 5.0 | 10.0 | 11.2 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 0730 | 101 | 748 | 13 | 12 | 1.0 | 16 | 9 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 0730 | 2.2 | 6.0 | .90 | 1.1 | 10 | 3.0 | 4.1 | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 0730 | .240 | .16 | .40 | .70 | .110 | .010 | 230 | 1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 0730 | <10 | 4 | 510 | 6 | 40 | <.1 | 1 | 20 |

07339452 ROLLING FORK RIVER BELOW DEQUEEN DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD NITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0730 | 9 | 80513 | 80513 | 29 | 32 | 7.6 | 6.5 | 12.0 |
| FEB 07... | 0930 | 9 | 80513 | 80513 | 60 | 40 | 6.7 | 5.0 | 13.0 |
| MAR 20... | 0900 | 9 | 80513 | 80513 | 1350 | 32 | 7.1 | 10.5 | 11.0 |
| APR 10... | 0730 | 9 | 80513 | 80513 | 934 | 32 | 7.1 | 12.0 | 10.3 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 1745 | 9 | 80513 | 80010 | 1810 | 32 | 6.8 | 22.0 | 15.0 | 8.6 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 1745 | 85 | 765 | 25 | 12 | 2.0 | 81 | 8 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 1745 | 1.8 | 5.0 | .80 | .8 | 8 | 3.9 | 2.1 | .200 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 1745 | .130 | .17 | .30 | .50 | .020 | .020 | 270 | <1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 08... | 1745 | 10 | 1 | 420 | 1 | 60 | <.1 | 3 | <10 |

07339452 ROLLING FORK RIVER BELOW DEQUEEN DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 18... | 1730 | 9 | 80513 | 80513 | 29 | 34 | 7.2 | 29.5 | 6.8 |
| JUL 24... | 0830 | 9 | 80513 | 80513 | 28 | 32 | 7.0 | 28.0 | 7.2 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 28... | 1500 | 9 | 80513 | 80010 | 29 | 36 | 6.8 | 36.0 | 25.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 28... | 1500 | 7.4 | 91 | 761 | 4 | 3.2 | 1.6 | 4 | 12 |

| DATE | TIME | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 28... | 1500 | 3.4 | 2.1 | <.100 | .020 | <.010 | 110 | 1 | <10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|
| AUG 28... | 1500 | 1 | 670 | 1 | 120 | <.1 | 4 | 10 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 25... | 0830 | 9 | 80513 | 80513 | 23 | 34 | 6.6 | 25.0 | 7.6 |

07339795 BEAR CREEK NEAR HORATIO, AR

LOCATION.--Lat 33°59'10" long 94°23'01" in NW 1/4 SE 1/4 sec.14. T.9 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on county road 5.5 mi south of DeQueen, Ark., and 4.3 mi northwest of State Highway 41.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0935 | 9 | 9827 | 9827 | 7.2 | 16.0 | 13.0 | 40 | .0 |
| DEC | | | | | | | | | |
| 13... | 0900 | 9 | 9827 | 9827 | 6.8 | 9.0 | 9.0 | 35 | 8.7 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0845 | 9 | 9827 | 9827 | 7.0 | 2.0 | 2.0 | -- | 9.8 |
| FEB | | | | | | | | | |
| 14... | 0900 | 9 | 9827 | 9827 | 6.6 | 10.0 | 9.0 | 40 | 10.1 |
| MAR | | | | | | | | | |
| 13... | 0910 | 9 | 9827 | 9827 | 6.3 | 11.0 | 9.0 | 60 | 9.9 |
| APR | | | | | | | | | |
| 10... | 0845 | 9 | 9827 | 9827 | 7.2 | 17.0 | 15.0 | 30 | 7.7 |
| MAY | | | | | | | | | |
| 15... | 0935 | 9 | 9827 | 9827 | 6.6 | 20.0 | 20.0 | 20 | 4.9 |
| JUN | | | | | | | | | |
| 12... | 0900 | 9 | 9827 | 9827 | 6.9 | 22.0 | 22.0 | 20 | -- |
| JUL | | | | | | | | | |
| 17... | 0850 | 9 | 9827 | 9827 | 7.0 | 24.0 | 24.0 | 35 | 2.4 |
| AUG | | | | | | | | | |
| 14... | 1015 | 9 | 9827 | 9827 | 6.8 | 26.0 | 22.0 | 20 | 3.1 |
| SEP | | | | | | | | | |
| 11... | 0900 | 9 | 9827 | 9827 | 7.1 | 23.0 | 22.0 | -- | 2.6 |

| DATE | TIME | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DIS-SOLVED (MG/L AS SO4) (00945) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300) | SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0935 | -- | >600 | 9.0 | 23 | 176 | .24 | 95 | .03 |
| DEC | | | | | | | | | |
| 13... | 0900 | 3.8 | 690 | 6.0 | 9.0 | 63 | .09 | 16 | .20 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0845 | 3.7 | 84 | 8.0 | 10 | 62 | .08 | 12 | .18 |
| FEB | | | | | | | | | |
| 14... | 0900 | 1.3 | 660 | 9.0 | 5.5 | 60 | .08 | 48 | .23 |
| MAR | | | | | | | | | |
| 13... | 0910 | 2.0 | 970 | 6.0 | 3.5 | 73 | .10 | 80 | .20 |
| APR | | | | | | | | | |
| 10... | 0845 | 2.9 | 750 | 4.0 | 4.0 | 59 | .08 | 21 | .21 |
| MAY | | | | | | | | | |
| 15... | 0935 | -- | 240 | 7.0 | 5.0 | 74 | .10 | 28 | .97 |
| JUN | | | | | | | | | |
| 12... | 0900 | -- | 80 | 10 | 14 | 103 | .14 | 29 | 1.5 |
| JUL | | | | | | | | | |
| 17... | 0850 | -- | 470 | 15 | 15 | 115 | .16 | 22 | 1.1 |
| AUG | | | | | | | | | |
| 14... | 1015 | -- | 550 | 11 | 23 | 139 | .19 | 13 | -- |
| SEP | | | | | | | | | |
| 11... | 0900 | 13 | 1100 | 20 | 42 | 189 | .26 | 13 | .85 |

07339795 BEAR CREEK NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 0935 | 9.25 | -- | .190 | 0 | 29 | -- | 18 | 120 |
| DEC | | | | | | | | | |
| 13... | 0900 | 1.10 | .200 | -- | 0 | 10 | 17 | 21 | 30 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0845 | -- | .390 | .240 | 0 | 5 | 30 | -- | -- |
| FEB | | | | | | | | | |
| 14... | 0900 | .060 | .080 | .010 | 0 | 6 | 21 | 17 | 50 |
| MAR | | | | | | | | | |
| 13... | 0910 | .060 | .130 | .040 | 0 | -- | 30 | 19 | 60 |
| APR | | | | | | | | | |
| 10... | 0845 | .840 | .220 | .110 | 0 | 6 | 16 | 8 | 50 |
| MAY | | | | | | | | | |
| 15... | 0935 | .630 | .230 | .110 | 0 | 9 | 27 | 12 | 70 |
| JUN | | | | | | | | | |
| 12... | 0900 | 4.60 | .460 | .350 | 0 | 6 | -- | -- | -- |
| JUL | | | | | | | | | |
| 17... | 0850 | 4.55 | 1.16 | .910 | 0 | 11 | 26 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1015 | .570 | 1.70 | 1.50 | 0 | 3 | 30 | 6 | 70 |
| SEP | | | | | | | | | |
| 11... | 0900 | .950 | 4.55 | 3.85 | 0 | 15 | 32 | 12 | 100 |

## 07340000 LITTLE RIVER NEAR HORATIO, AR

LOCATION.--Lat 33°55'10", long 94°23'15", in NE 1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi 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 National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1935, to Sept. 13, 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--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.

AVERAGE DISCHARGE.--54 years, 3,750 $ft^3/s$, 2,717,000 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, 27,900 $ft^3/s$ May 3, gage height, 28.69 ft; minimum daily, 232 $ft^3/s$ Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 672 | 352 | 1960 | 621 | 1160 | 8960 | 9740 | 420 | 4610 | 561 | 806 | 1130 |
| 2 | 393 | 324 | 1860 | 475 | 1010 | 8370 | 9900 | 9730 | 4020 | 410 | 1150 | 525 |
| 3 | 232 | 293 | 4100 | 460 | 908 | 7270 | 9750 | 25300 | 1610 | 503 | 1100 | 338 |
| 4 | 1110 | 307 | 7130 | 457 | 1080 | 4940 | 9700 | 25200 | 922 | 606 | 963 | 368 |
| 5 | 1280 | 464 | 5240 | 484 | 857 | 4420 | 10600 | 19700 | 846 | 670 | 506 | 367 |
| 6 | 867 | 385 | 3960 | 476 | 681 | 5520 | 11100 | 13100 | 1050 | 1080 | 344 | 492 |
| 7 | 395 | 280 | 3980 | 1550 | 1670 | 5350 | 10200 | 5560 | 964 | 902 | 725 | 1120 |
| 8 | 475 | 311 | 4210 | 1750 | 2180 | 4250 | 9340 | 7980 | 717 | 654 | 1240 | 2030 |
| 9 | 361 | 326 | 4030 | 684 | 1270 | 4500 | 9440 | 10600 | 757 | 516 | 1280 | 952 |
| 10 | 241 | 360 | 3040 | 1410 | 767 | 3300 | 9080 | 12600 | 643 | 1480 | 1120 | 484 |
| 11 | 521 | 344 | 4240 | 2960 | 809 | 1470 | 9310 | 13600 | 454 | 2010 | 1030 | 999 |
| 12 | 1020 | 586 | 6700 | 3270 | 6880 | 3680 | 7610 | 13000 | 824 | 1090 | 552 | 1350 |
| 13 | 673 | 435 | 6440 | 3690 | 14000 | 10300 | 5580 | 8160 | 812 | 1350 | 392 | 1390 |
| 14 | 330 | 273 | 5350 | 2950 | 12300 | 10500 | 7180 | 6720 | 989 | 1570 | 740 | 1470 |
| 15 | 431 | 304 | 5020 | 2190 | 10100 | 9190 | 7430 | 5280 | 1850 | 816 | 873 | 1070 |
| 16 | 293 | 319 | 4390 | 2050 | 8790 | 10500 | 7160 | 3270 | 2020 | 545 | 1030 | 562 |
| 17 | 269 | 329 | 3040 | 2500 | 7730 | 11400 | 7130 | 2420 | 707 | 662 | 933 | 565 |
| 18 | 2770 | 326 | 1840 | 2280 | 7100 | 10100 | 7160 | 2260 | 355 | 898 | 1020 | 452 |
| 19 | 3020 | 463 | 1530 | 2320 | 6760 | 9650 | 3470 | 1980 | 665 | 923 | 655 | 694 |
| 20 | 3640 | 765 | 3140 | 2310 | 5720 | 11000 | 3210 | 1330 | 430 | 1120 | 417 | 581 |
| 21 | 1910 | 750 | 4410 | 2180 | 5170 | 11800 | 5260 | 2320 | 480 | 1210 | 769 | 852 |
| 22 | 2130 | 925 | 1960 | 1540 | 5230 | 11700 | 5890 | 4780 | 740 | 1180 | 1130 | 1110 |
| 23 | 1600 | 1040 | 1660 | 776 | 4890 | 10300 | 2550 | 5400 | 1230 | 1050 | 1210 | 907 |
| 24 | 934 | 2460 | 3460 | 1580 | 4000 | 12800 | 4890 | 5410 | 526 | 1540 | 545 | 781 |
| 25 | 849 | 2370 | 5750 | 1480 | 3480 | 13000 | 5710 | 4720 | 324 | 2320 | 343 | 1180 |
| 26 | 901 | 1560 | 6820 | 1410 | 3080 | 8910 | 5330 | 4010 | 463 | 2350 | 318 | 2260 |
| 27 | 841 | 1120 | 5340 | 1590 | 6230 | 11600 | 3940 | 1680 | 733 | 1750 | 309 | 3680 |
| 28 | 560 | 972 | 2800 | 1710 | 10000 | 18800 | 3240 | 1240 | 791 | 846 | 720 | 2820 |
| 29 | 543 | 1280 | 1430 | 1590 | 9910 | 17200 | 895 | 1550 | 584 | 952 | 1000 | 1870 |
| 30 | 395 | 1830 | 1510 | 1470 | --- | 11600 | 439 | 3040 | 701 | 612 | 1180 | 1230 |
| 31 | 331 | --- | 954 | 1370 | --- | 9500 | --- | 3750 | --- | 747 | 1300 | --- |
| TOTAL | 29987 | 21853 | 117294 | 51583 | 143762 | 281880 | 202234 | 226110 | 31817 | 32923 | 25700 | 33629 |
| MEAN | 967 | 728 | 3784 | 1664 | 4957 | 9093 | 6741 | 7294 | 1061 | 1062 | 829 | 1121 |
| MAX | 3640 | 2460 | 7130 | 3690 | 14000 | 18800 | 11100 | 25300 | 4610 | 2350 | 1300 | 3680 |
| MIN | 232 | 273 | 954 | 457 | 681 | 1470 | 439 | 420 | 324 | 410 | 309 | 338 |
| AC-FT | 59480 | 43350 | 232700 | 102300 | 285200 | 559100 | 401100 | 448500 | 63110 | 65300 | 50980 | 66700 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 1408031 | MEAN | 3858 | MAX | 31200 | MIN | 225 | AC-FT | 2793000 |
| WTR YR 1984 | TOTAL | 1198772 | MEAN | 3275 | MAX | 25300 | MIN | 232 | AC-FT | 2378000 |

07340000 LITTLE RIVER NEAR HORATIO, AR--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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0815 | 9 | 9827 | 9827 | 3730 | 6.7 | 21.0 | 19.0 | 20 | 7.9 |
| NOV | | | | | | | | | | |
| 08... | 0845 | 9 | 9827 | 9827 | 268 | 6.8 | 16.0 | 15.0 | 6.5 | 8.5 |
| DEC | | | | | | | | | | |
| 13... | 0840 | 9 | 9827 | 9827 | 6610 | 7.3 | 8.0 | 10.0 | 60 | 9.4 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0835 | 9 | 9827 | 9827 | 2870 | 6.8 | 2.0 | 2.0 | -- | 12.6 |
| FEB | | | | | | | | | | |
| 14... | 0845 | 9 | 9827 | 9827 | 12800 | 6.8 | 10.0 | 9.0 | 100 | 9.5 |
| MAR | | | | | | | | | | |
| 14... | 0840 | 9 | 9827 | 9827 | 10800 | 6.6 | 11.0 | 9.0 | 75 | 10.3 |
| APR | | | | | | | | | | |
| 10... | 0830 | 9 | 9827 | 9827 | 9100 | 6.8 | 16.0 | 13.0 | 25 | 9.7 |
| MAY | | | | | | | | | | |
| 15... | 0840 | 9 | 9827 | 9827 | 5790 | 6.6 | 18.0 | 19.0 | 20 | 8.3 |
| JUN | | | | | | | | | | |
| 12... | 0840 | 9 | 9827 | 9827 | 631 | 6.8 | 22.0 | 25.0 | 7.8 | -- |
| JUL | | | | | | | | | | |
| 17... | 0830 | 9 | 9827 | 9827 | 490 | 7.0 | 24.0 | 27.0 | 30 | 7.7 |
| AUG | | | | | | | | | | |
| 14... | 1045 | 9 | 9827 | 9827 | 984 | 6.8 | 27.0 | 26.0 | 1.6 | 7.2 |
| SEP | | | | | | | | | | |
| 11... | 0920 | 9 | 9827 | 9827 | 1060 | 7.0 | 25.0 | 24.0 | -- | 7.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 0815 | 2.4 | -- | 4.0 | 9.0 | 46 | .06 | 30 | .13 |
| NOV | | | | | | | | | |
| 08... | 0845 | 1.3 | 8 | 1.0 | 14 | 67 | .09 | 9 | .22 |
| DEC | | | | | | | | | |
| 13... | 0840 | 1.7 | 1300 | 6.0 | 7.5 | 60 | .08 | 50 | .20 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0835 | 1.3 | 4 | 32 | 6.5 | 45 | .06 | 10 | .19 |
| FEB | | | | | | | | | |
| 14... | 0845 | 2.4 | 1300 | 8.0 | 7.0 | 76 | .10 | 117 | .27 |
| MAR | | | | | | | | | |
| 14... | 0840 | 1.3 | 480 | 6.0 | 7.0 | 84 | .11 | 81 | .20 |
| APR | | | | | | | | | |
| 10... | 0830 | 1.1 | 80 | 2.0 | 4.5 | 44 | .06 | 22 | .16 |
| MAY | | | | | | | | | |
| 15... | 0840 | 1.1 | 200 | 5.0 | 4.0 | 52 | .07 | 22 | .19 |
| JUN | | | | | | | | | |
| 12... | 0840 | 1.5 | 8 | 8.0 | 18 | 98 | .13 | 12 | .34 |
| JUL | | | | | | | | | |
| 17... | 0830 | 2.2 | 8 | 9.0 | 20 | 86 | .12 | 6 | .25 |
| AUG | | | | | | | | | |
| 14... | 1045 | 1.8 | 510 | 5.0 | 15 | 63 | .09 | 12 | -- |
| SEP | | | | | | | | | |
| 11... | 0920 | 1.0 | 68 | 1.0 | 11 | 61 | .08 | 7 | .09 |

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 0815 | -- | .100 | <.010 | 0 | <1 | 24 | 17 | -- |
| NOV | | | | | | | | | |
| 08... | 0845 | .170 | -- | .040 | 0 | 1 | -- | 24 | 40 |
| DEC | | | | | | | | | |
| 13... | 0840 | .090 | .110 | -- | <5 | 4 | 18 | 68 | 50 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0835 | -- | .030 | .020 | 0 | 2 | 34 | -- | -- |
| FEB | | | | | | | | | |
| 14... | 0845 | .120 | .150 | .050 | 0 | 4 | 29 | 79 | 110 |
| MAR | | | | | | | | | |
| 14... | 0840 | .070 | .140 | .060 | 0 | -- | 23 | 17 | 60 |
| APR | | | | | | | | | |
| 10... | 0830 | .040 | .110 | .010 | 0 | 2 | 18 | 10 | 80 |
| MAY | | | | | | | | | |
| 15... | 0840 | .040 | .040 | <.010 | 0 | 2 | 16 | 12 | 50 |
| JUN | | | | | | | | | |
| 12... | 0840 | .070 | .040 | .020 | 0 | 2 | -- | -- | -- |
| JUL | | | | | | | | | |
| 17... | 0830 | .030 | .050 | .040 | 0 | <1 | 45 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1045 | .030 | .070 | .040 | 0 | 4 | 24 | 8 | 70 |
| SEP | | | | | | | | | |
| 11... | 0920 | .100 | .070 | .060 | 0 | <1 | 26 | 22 | 90 |

## 07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE 1/4 NE 1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 246, 0.3 mi downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 $mi^2$.

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 193 $ft^3/s$, 29.25 in/yr, 139,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 $ft^3/s$ Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 $ft^3/s$ on basis of step-backwater computations; minimum, 7.2 $ft^3/s$ 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 $ft^3/s$.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,500 $ft^3/s$ Mar. 27, at 1445 hours, gage height, 9.77 ft, no other peak above base of 5,000 $ft^3/s$; minimum, 8.8 $ft^3/s$ Oct. 6, 7, Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.7 | 16 | 98 | 40 | 68 | 247 | 210 | 72 | 42 | 18 | 24 | 12 |
| 2 | 9.7 | 15 | 978 | 35 | 66 | 197 | 192 | 1090 | 37 | 16 | 22 | 11 |
| 3 | 9.7 | 15 | 2020 | 40 | 67 | 163 | 196 | 1910 | 33 | 17 | 42 | 11 |
| 4 | 9.7 | 15 | 727 | 40 | 60 | 367 | 173 | 778 | 30 | 16 | 31 | 11 |
| 5 | 9.5 | 15 | 369 | 45 | 54 | 591 | 156 | 750 | 27 | 19 | 25 | 9.9 |
| 6 | 9.3 | 15 | 239 | 46 | 49 | 345 | 141 | 551 | 27 | 20 | 22 | 10 |
| 7 | 9.5 | 15 | 176 | 42 | 48 | 250 | 131 | 428 | 26 | 17 | 21 | 9.8 |
| 8 | 9.9 | 15 | 143 | 40 | 45 | 196 | 220 | 464 | 27 | 20 | 84 | 9.5 |
| 9 | 9.9 | 18 | 119 | 46 | 54 | 159 | 348 | 324 | 25 | 18 | 113 | 319 |
| 10 | 9.8 | 18 | 610 | 438 | 56 | 147 | 275 | 228 | 23 | 15 | 229 | 153 |
| 11 | 11 | 18 | 1050 | 313 | 77 | 129 | 230 | 171 | 21 | 14 | 121 | 67 |
| 12 | 22 | 16 | 418 | 223 | 2010 | 1160 | 191 | 135 | 20 | 27 | 68 | 40 |
| 13 | 16 | 16 | 272 | 169 | 632 | 688 | 161 | 110 | 19 | 20 | 46 | 28 |
| 14 | 12 | 15 | 200 | 133 | 351 | 386 | 139 | 92 | 17 | 17 | 34 | 22 |
| 15 | 11 | 15 | 153 | 113 | 255 | 280 | 122 | 80 | 16 | 17 | 27 | 19 |
| 16 | 11 | 15 | 124 | 101 | 218 | 227 | 109 | 69 | 16 | 16 | 23 | 17 |
| 17 | 124 | 15 | 102 | 91 | 182 | 516 | 98 | 61 | 15 | 183 | 20 | 16 |
| 18 | 95 | 15 | 89 | 82 | 179 | 505 | 88 | 55 | 14 | 92 | 19 | 15 |
| 19 | 41 | 472 | 80 | 75 | 170 | 422 | 87 | 57 | 14 | 44 | 17 | 14 |
| 20 | 27 | 290 | 75 | 80 | 155 | 349 | 80 | 442 | 32 | 29 | 16 | 14 |
| 21 | 206 | 127 | 77 | 79 | 143 | 269 | 756 | 291 | 22 | 24 | 16 | 15 |
| 22 | 101 | 87 | 74 | 78 | 129 | 211 | 426 | 183 | 20 | 21 | 15 | 386 |
| 23 | 58 | 1130 | 70 | 91 | 115 | 342 | 267 | 145 | 20 | 21 | 51 | 396 |
| 24 | 38 | 312 | 65 | 136 | 103 | 1350 | 199 | 111 | 24 | 56 | 35 | 137 |
| 25 | 29 | 170 | 60 | 136 | 90 | 549 | 158 | 88 | 19 | 34 | 21 | 172 |
| 26 | 24 | 119 | 55 | 124 | 584 | 354 | 131 | 72 | 20 | 32 | 17 | 879 |
| 27 | 21 | 217 | 55 | 113 | 1110 | 2420 | 114 | 64 | 24 | 29 | 15 | 265 |
| 28 | 20 | 271 | 50 | 101 | 550 | 1700 | 95 | 101 | 22 | 97 | 14 | 160 |
| 29 | 18 | 175 | 50 | 92 | 337 | 663 | 87 | 79 | 20 | 55 | 14 | 111 |
| 30 | 18 | 128 | 45 | 83 | --- | 392 | 82 | 62 | 19 | 35 | 13 | 83 |
| 31 | 17 | --- | 45 | 73 | --- | 274 | --- | 50 | --- | 27 | 13 | --- |
| TOTAL | 1016.7 | 3780 | 8688 | 3298 | 7957 | 15848 | 5662 | 9113 | 691 | 1066 | 1228 | 3412.2 |
| MEAN | 32.8 | 126 | 280 | 106 | 274 | 511 | 189 | 294 | 23.0 | 34.4 | 39.6 | 114 |
| MAX | 206 | 1130 | 2020 | 438 | 2010 | 2420 | 756 | 1910 | 42 | 183 | 229 | 879 |
| MIN | 9.3 | 15 | 45 | 35 | 45 | 129 | 80 | 50 | 14 | 14 | 13 | 9.5 |
| CFSM | .37 | 1.41 | 3.13 | 1.18 | 3.06 | 5.70 | 2.11 | 3.28 | .26 | .38 | .44 | 1.27 |
| IN. | .42 | 1.57 | 3.61 | 1.37 | 3.30 | 6.58 | 2.35 | 3.78 | .29 | .44 | .51 | 1.42 |
| AC-FT | 2020 | 7500 | 17230 | 6540 | 15780 | 31430 | 11230 | 18080 | 1370 | 2110 | 2440 | 6770 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 63259.7 | MEAN | 173 | MAX | 3300 | MIN | 9.3 | CFSM | 1.93 | IN. | 26.26 | AC-FT | 125500 |
| WTR YR 1984 | TOTAL | 61759.9 | MEAN | 169 | MAX | 2420 | MIN | 9.3 | CFSM | 1.89 | IN. | 25.64 | AC-FT | 122500 |

07340400 COSSATOT RIVER NEAR UMPIRE, AR

LOCATION.--Lat 34°18'00", long 94°11'00", in SE 1/4 SW 1/4, 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, Ark., and 2.5 mi south of Baker Springs.

DRAINAGE AREA.--385 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1035 | 9 | 9827 | 9827 | 7.2 | 16.0 | 14.0 | 2.5 | 9.4 | 1.3 |
| DEC | | | | | | | | | | |
| 13... | 1000 | 9 | 9827 | 9827 | 6.8 | 9.0 | 9.0 | 6.0 | 11.1 | .9 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0950 | 9 | 9827 | 9827 | 6.7 | 7.0 | 2.0 | -- | 13.6 | 1.3 |
| FEB | | | | | | | | | | |
| 14... | 1000 | 9 | 9827 | 9827 | 6.7 | 12.0 | 8.0 | 9.0 | 11.7 | .4 |
| MAR | | | | | | | | | | |
| 13... | 1000 | 9 | 9827 | 9827 | 6.4 | 12.0 | 10.0 | 15 | 11.3 | .2 |
| APR | | | | | | | | | | |
| 10... | 1000 | 9 | 9827 | 9827 | 6.5 | 18.0 | 14.0 | 5.2 | 10.1 | .1 |
| MAY | | | | | | | | | | |
| 15... | 1040 | 9 | 9827 | 9827 | 7.1 | 21.0 | 21.0 | 8.5 | 8.7 | 1.5 |
| JUN | | | | | | | | | | |
| 12... | 1000 | 9 | 9827 | 9827 | 7.1 | 23.0 | 25.0 | 2.2 | -- | .8 |
| JUL | | | | | | | | | | |
| 17... | 1000 | 9 | 9827 | 9827 | 7.2 | 25.0 | 26.0 | 40 | 8.4 | 2.2 |
| AUG | | | | | | | | | | |
| 14... | 0900 | 9 | 9827 | 9827 | 7.3 | 22.0 | 25.0 | 3.6 | 7.6 | 1.5 |
| SEP | | | | | | | | | | |
| 11... | 0835 | 9 | 9827 | 9827 | 7.1 | 18.0 | 22.0 | -- | 7.5 | .7 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1035 | 30 | 3.0 | 4.5 | 52 | .07 | 18 | .03 | .070 | -- |
| DEC | | | | | | | | | | |
| 13... | 1000 | 8 | 1.0 | 4.0 | 28 | .04 | 8 | .05 | .010 | .010 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 0950 | <4 | 5.0 | 4.0 | 25 | .03 | 4 | .03 | -- | .010 |
| FEB | | | | | | | | | | |
| 14... | 1000 | 10 | 6.0 | 4.0 | 23 | .03 | 8 | .08 | <.010 | .010 |
| MAR | | | | | | | | | | |
| 13... | 1000 | 30 | 11 | 2.0 | 33 | .04 | 18 | .07 | <.010 | .060 |
| APR | | | | | | | | | | |
| 10... | 1000 | <10 | 3.0 | 2.5 | 33 | .04 | 5 | .02 | .020 | .050 |
| MAY | | | | | | | | | | |
| 15... | 1040 | 40 | 7.0 | 2.0 | 39 | .05 | 26 | .01 | <.010 | .020 |
| JUN | | | | | | | | | | |
| 12... | 1000 | <10 | 6.0 | 5.0 | 44 | .06 | 3 | .03 | .060 | .040 |
| JUL | | | | | | | | | | |
| 17... | 1000 | 120 | 6.0 | 3.0 | 44 | .06 | 1 | .08 | .050 | .020 |
| AUG | | | | | | | | | | |
| 14... | 0900 | 16 | 3.0 | 4.5 | 41 | .06 | 3 | -- | <.010 | .020 |
| SEP | | | | | | | | | | |
| 11... | 0835 | 190 | 2.0 | 3.5 | 42 | .06 | 8 | .05 | <.010 | .040 |

07340400 COSSATOT RIVER NEAR UMPIRE, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1035 | .070 | <5 | 0 | 1 | -- | 84 | <5 | 30 |
| DEC | | | | | | | | | |
| 13... | 1000 | -- | -- | 0 | 1 | <10 | 200 | -- | 0 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0950 | .010 | -- | 0 | 1 | 15 | -- | -- | -- |
| FEB | | | | | | | | | |
| 14... | 1000 | .020 | <5 | 0 | 2 | <10 | 110 | <5 | 10 |
| MAR | | | | | | | | | |
| 13... | 1000 | <.010 | -- | 0 | -- | <10 | 49 | -- | 0 |
| APR | | | | | | | | | |
| 10... | 1000 | <.010 | <5 | 0 | 2 | 27 | 7 | <5 | 80 |
| MAY | | | | | | | | | |
| 15... | 1040 | <.010 | -- | 0 | <1 | <10 | 41 | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 1000 | .010 | -- | 0 | <1 | -- | -- | -- | -- |
| JUL | | | | | | | | | |
| 17... | 1000 | .020 | -- | 0 | 2 | 19 | -- | -- | -- |
| AUG | | | | | | | | | |
| 14... | 0900 | .020 | <5 | 0 | 12 | 19 | 7 | <5 | 50 |
| SEP | | | | | | | | | |
| 11... | 0835 | .010 | -- | 0 | <1 | 14 | 7 | -- | 40 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1000 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 17... | 0950 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 10... | 1000 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| AUG | | | | | | | | | |
| 14... | 0900 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07340450 GILLHAM LAKE NEAR GILLHAM, AR

LOCATION.--Lat 34°12'37", long 94°13'44", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109, at Gillham Dam on Cossatot River, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 11... | 1230 | 9 | 80513 | 80513 | .00 | 29.0 | 48 | 9.1 |
| 11... | 1232 | 9 | 80513 | 80513 | 10.0 | 29.0 | 48 | 8.9 |
| 11... | 1234 | 9 | 80513 | 80513 | 20.0 | 29.0 | 48 | 8.9 |
| 11... | 1235 | 9 | 80513 | 80513 | 29.0 | 29.0 | 50 | 8.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 11... | 1230 | 23.0 | 33.6 | .90 | 7.0 | 83 | 751 |
| 11... | 1232 | 22.0 | -- | -- | 6.2 | -- | -- |
| 11... | 1234 | 22.0 | -- | -- | 6.2 | -- | -- |
| 11... | 1235 | 21.5 | -- | -- | 5.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 02... | 1430 | 9 | 80513 | 80513 | .00 | 35.0 | 50 | 7.0 |
| 02... | 1432 | 9 | 80513 | 80513 | 10.0 | 35.0 | 50 | 6.9 |
| 02... | 1433 | 9 | 80513 | 80513 | 20.0 | 35.0 | 52 | 6.7 |
| 02... | 1434 | 9 | 80513 | 80513 | 30.0 | 35.0 | 52 | 6.6 |
| 02... | 1435 | 9 | 80513 | 80513 | 35.0 | 35.0 | 56 | 6.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 02... | 1430 | 19.0 | 60.0 | 1.50 | 8.8 | 96 | 757 |
| 02... | 1432 | 18.0 | -- | -- | 6.1 | -- | -- |
| 02... | 1433 | 18.0 | -- | -- | 4.2 | -- | -- |
| 02... | 1434 | 18.0 | -- | -- | 3.2 | -- | -- |
| 02... | 1435 | 17.5 | -- | -- | 1.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1505 | 9 | 80513 | 80513 | .00 | 71.0 | 41 | 7.1 | 10.0 | 11.0 | 55.2 |
| 12... | 1506 | 9 | 80513 | 80010 | 3.00 | 71.0 | -- | -- | -- | -- | -- |
| 12... | 1508 | 9 | 80513 | 80513 | 10.0 | 71.0 | 41 | 7.1 | -- | 11.0 | -- |
| 12... | 1510 | 9 | 80513 | 80010 | 14.0 | 71.0 | 41 | 6.8 | -- | 11.0 | -- |
| 12... | 1512 | 9 | 80513 | 80513 | 20.0 | 71.0 | 41 | 7.0 | -- | 11.0 | -- |
| 12... | 1514 | 9 | 80513 | 80513 | 30.0 | 71.0 | 41 | 7.0 | -- | 10.5 | -- |
| 12... | 1516 | 9 | 80513 | 80513 | 40.0 | 71.0 | 40 | 7.0 | -- | 10.5 | -- |
| 12... | 1518 | 9 | 80513 | 80513 | 50.0 | 71.0 | 37 | 7.0 | -- | 10.5 | -- |
| 12... | 1520 | 9 | 80513 | 80010 | 57.0 | 71.0 | 36 | 7.0 | -- | 9.5 | -- |
| 12... | 1522 | 9 | 80513 | 80513 | 60.0 | 71.0 | 36 | 7.0 | -- | 9.5 | -- |
| 12... | 1524 | 9 | 80513 | 80513 | 70.0 | 71.0 | 36 | 7.0 | -- | 9.5 | -- |
| 12... | 1525 | 9 | 80513 | 80513 | 71.0 | 71.0 | 36 | 7.0 | -- | 9.5 | -- |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1505 | 1.40 | 8.8 | 81 | 750 | -- | -- | -- | 3 | -- | -- |
| 12... | 1506 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 12... | 1508 | -- | 8.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1510 | -- | 8.7 | 80 | 750 | 8 | 4.4 | .6 | -- | 10 | 0 |
| 12... | 1512 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1514 | -- | 8.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1516 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1518 | -- | 7.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1520 | -- | 7.1 | 63 | 750 | 10 | 7.9 | .8 | -- | 8 | 0 |
| 12... | 1522 | -- | 7.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1524 | -- | 6.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12... | 1525 | -- | 6.8 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1510 | 0 | 2.3 | 6.0 | 1.0 | .9 | 12 | 3.0 | 4.1 | .200 |
| 12... | 1520 | 0 | 1.8 | 4.0 | .80 | .8 | 9 | 3.0 | 4.1 | .100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1510 | .280 | .22 | .50 | .70 | .030 | .010 | 170 | 1 | 10 |
| 12... | 1520 | .180 | .22 | .40 | .50 | .040 | <.010 | 290 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1506 | -- | -- | -- | -- | -- | -- | -- | 3.00 | .100 |
| 12... | 1510 | 1 | 350 | 3 | 20 | <.1 | <1 | 10 | -- | -- |
| 12... | 1520 | 1 | 570 | 4 | 70 | <.1 | <1 | 50 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 09... | 1300 | 9 | 80513 | 80513 | .00 | 56.0 | 34 | 7.1 |
| 09... | 1302 | 9 | 80513 | 80513 | 10.0 | 56.0 | 34 | 7.0 |
| 09... | 1305 | 9 | 80513 | 80513 | 20.0 | 56.0 | 34 | 7.0 |
| 09... | 1307 | 9 | 80513 | 80513 | 30.0 | 56.0 | 34 | 7.0 |
| 09... | 1310 | 9 | 80513 | 80513 | 40.0 | 56.0 | 34 | 6.9 |
| 09... | 1313 | 9 | 80513 | 80513 | 50.0 | 56.0 | 34 | 6.9 |
| 09... | 1315 | 9 | 80513 | 80513 | 56.0 | 56.0 | 34 | 6.9 |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 09... | 1300 | 6.0 | 48.0 | 1.20 | 9.0 | 73 | 753 |
| 09... | 1302 | 6.0 | -- | -- | 9.0 | -- | -- |
| 09... | 1305 | 6.0 | -- | -- | 9.0 | -- | -- |
| 09... | 1307 | 6.0 | -- | -- | 9.1 | -- | -- |
| 09... | 1310 | 6.0 | -- | -- | 9.1 | -- | -- |
| 09... | 1313 | 6.0 | -- | -- | 9.1 | -- | -- |
| 09... | 1315 | 6.0 | -- | -- | 9.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 07... | 1330 | 9 | 80513 | 80513 | .00 | 47.0 | 50 | 6.7 |
| 07... | 1332 | 9 | 80513 | 80513 | 10.0 | 47.0 | 50 | 6.7 |
| 07... | 1334 | 9 | 80513 | 80513 | 20.0 | 47.0 | 50 | 6.7 |
| 07... | 1336 | 9 | 80513 | 80513 | 30.0 | 47.0 | 50 | 6.7 |
| 07... | 1338 | 9 | 80513 | 80513 | 40.0 | 47.0 | 50 | 6.6 |
| 07... | 1340 | 9 | 80513 | 80513 | 47.0 | 47.0 | 50 | 6.6 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 07... | 1330 | 6.0 | 50.4 | 1.30 | 11.6 | 93 | 761 |
| 07... | 1332 | 5.0 | -- | -- | 12.6 | -- | -- |
| 07... | 1334 | 5.0 | -- | -- | 12.6 | -- | -- |
| 07... | 1336 | 5.0 | -- | -- | 12.2 | -- | -- |
| 07... | 1338 | 5.0 | -- | -- | 12.2 | -- | -- |
| 07... | 1340 | 4.5 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 20... | 1130 | 9 | 80513 | 80513 | .00 | 50.0 | 28 | 6.6 |
| 20... | 1132 | 9 | 80513 | 80513 | 10.0 | 50.0 | 28 | 6.6 |
| 20... | 1134 | 9 | 80513 | 80513 | 20.0 | 50.0 | 28 | 6.6 |
| 20... | 1136 | 9 | 80513 | 80513 | 30.0 | 50.0 | 28 | 6.5 |
| 20... | 1138 | 9 | 80513 | 80513 | 40.0 | 50.0 | 28 | 6.3 |
| 20... | 1140 | 9 | 80513 | 80513 | 50.0 | 50.0 | 28 | 6.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 20... | 1130 | 12.0 | 40.8 | 1.00 | 10.4 | 98 | 752 |
| 20... | 1132 | 12.0 | -- | -- | 9.8 | -- | -- |
| 20... | 1134 | 12.0 | -- | -- | 9.8 | -- | -- |
| 20... | 1136 | 11.0 | -- | -- | 9.4 | -- | -- |
| 20... | 1138 | 10.0 | -- | -- | 7.0 | -- | -- |
| 20... | 1140 | 9.0 | -- | -- | 6.8 | -- | -- |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 10... | 0930 | 9 | 80513 | 80513 | .00 | 47.0 | 30 | 6.9 |
| 10... | 0932 | 9 | 80513 | 80513 | 8.00 | 47.0 | 30 | 6.9 |
| 10... | 0934 | 9 | 80513 | 80513 | 10.0 | 47.0 | 30 | 6.8 |
| 10... | 0936 | 9 | 80513 | 80513 | 15.0 | 47.0 | 30 | 9.0 |
| 10... | 0938 | 9 | 80513 | 80513 | 20.0 | 47.0 | 30 | 6.6 |
| 10... | 0940 | 9 | 80513 | 80513 | 30.0 | 47.0 | 30 | 6.5 |
| 10... | 0942 | 9 | 80513 | 80513 | 40.0 | 47.0 | 30 | 6.5 |
| 10... | 0945 | 9 | 80513 | 80513 | 47.0 | 47.0 | 30 | 6.4 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 10... | 0930 | 15.0 | 43.2 | 1.10 | 9.4 | 94 | 755 |
| 10... | 0932 | 14.0 | -- | -- | 9.4 | -- | -- |
| 10... | 0934 | 14.0 | -- | -- | 9.3 | -- | -- |
| 10... | 0936 | 13.0 | -- | -- | 6.7 | -- | -- |
| 10... | 0938 | 12.0 | -- | -- | 8.9 | -- | -- |
| 10... | 0940 | 11.5 | -- | -- | 8.8 | -- | -- |
| 10... | 0942 | 11.5 | -- | -- | 8.7 | -- | -- |
| 10... | 0945 | 11.0 | -- | -- | 8.5 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 09... | 0900 | 9 | 80513 | 80513 | .00 | 58.0 | 28 | 7.4 | 16.0 | 19.5 | 67.2 |
| 09... | 0901 | 9 | 80513 | 80010 | 3.00 | 58.0 | -- | -- | -- | -- | -- |
| 09... | 0903 | 9 | 80513 | 80513 | 10.0 | 58.0 | 28 | 7.4 | -- | 19.5 | -- |
| 09... | 0905 | 9 | 80513 | 80010 | 11.5 | 58.0 | 28 | 7.4 | -- | 19.5 | -- |
| 09... | 0907 | 9 | 80513 | 80513 | 15.0 | 58.0 | 28 | 7.2 | -- | 18.5 | -- |
| 09... | 0914 | 9 | 80513 | 80513 | 30.0 | 58.0 | 26 | 7.0 | -- | 16.5 | -- |
| 09... | 0916 | 9 | 80513 | 80513 | 40.0 | 58.0 | 26 | 6.9 | -- | 16.0 | -- |
| 09... | 0920 | 9 | 80513 | 80010 | 46.5 | 58.0 | 26 | 6.9 | -- | 15.5 | -- |
| 09... | 0922 | 9 | 80513 | 80513 | 50.0 | 58.0 | 26 | 6.9 | -- | 15.0 | -- |
| 09... | 0925 | 9 | 80513 | 80513 | 58.0 | 58.0 | 28 | 7.0 | -- | 15.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 09... | 0900 | 1.70 | 8.0 | 87 | 764 | -- | -- | -- | 0 | -- | -- |
| 09... | 0901 | -- | -- | -- | 764 | -- | -- | -- | -- | -- | -- |
| 09... | 0903 | -- | 8.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 0905 | -- | 8.0 | 87 | 764 | 10 | 16 | 2.1 | -- | 8 | 0 |
| 09... | 0907 | -- | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 0914 | -- | 7.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 0916 | -- | 7.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 0920 | -- | 7.5 | 75 | 764 | 25 | 14 | 3.8 | -- | 7 | 0 |
| 09... | 0922 | -- | 7.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 0925 | -- | 7.2 | -- | -- | -- | -- | -- | -- | -- | -- |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 0905 | 0 | 1.8 | 5.0 | .80 | .7 | 8 | 3.4 | 1.5 | <.100 |
| 09... | 0920 | 0 | 1.6 | 4.0 | .80 | .7 | 8 | 3.5 | 1.5 | .100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 0905 | .050 | .35 | .40 | -- | .030 | <.010 | 30 | <1 | 20 |
| 09... | 0920 | .040 | .26 | .30 | .40 | .020 | <.010 | 290 | <1 | 20 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 0901 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 0905 | 1 | 140 | <1 | <10 | <.1 | 2 | 10 | -- | -- |
| 09... | 0920 | 3 | 430 | 1 | 10 | <.1 | 3 | 20 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 19... | 1030 | 9 | 80513 | 80513 | .00 | 47.0 | 30 | 7.0 |
| 19... | 1032 | 9 | 80513 | 80513 | 10.0 | 47.0 | 32 | 7.0 |
| 19... | 1034 | 9 | 80513 | 80513 | 11.0 | 47.0 | 32 | 6.7 |
| 19... | 1036 | 9 | 80513 | 80513 | 12.0 | 47.0 | 32 | 6.7 |
| 19... | 1038 | 9 | 80513 | 80513 | 15.0 | 47.0 | 32 | 6.4 |
| 19... | 1040 | 9 | 80513 | 80513 | 16.0 | 47.0 | 34 | 6.0 |
| 19... | 1042 | 9 | 80513 | 80513 | 18.0 | 47.0 | 34 | 6.0 |
| 19... | 1044 | 9 | 80513 | 80513 | 20.0 | 47.0 | 36 | 5.9 |
| 19... | 1046 | 9 | 80513 | 80513 | 22.0 | 47.0 | 36 | 5.9 |
| 19... | 1048 | 9 | 80513 | 80513 | 25.0 | 47.0 | 36 | 5.9 |
| 19... | 1050 | 9 | 80513 | 80513 | 30.0 | 47.0 | 36 | 5.8 |
| 19... | 1052 | 9 | 80513 | 80513 | 35.0 | 47.0 | 36 | 5.8 |
| 19... | 1054 | 9 | 80513 | 80513 | 40.0 | 47.0 | 38 | 5.8 |
| 19... | 1055 | 9 | 80513 | 80513 | 47.0 | 47.0 | 44 | 5.9 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 19... | 1030 | 29.5 | 107 | 2.70 | 7.2 | 95 | 760 |
| 19... | 1032 | 29.0 | -- | -- | 7.2 | -- | -- |
| 19... | 1034 | 28.0 | -- | -- | 7.5 | -- | -- |
| 19... | 1036 | 27.0 | -- | -- | 7.1 | -- | -- |
| 19... | 1038 | 26.0 | -- | -- | 7.7 | -- | -- |
| 19... | 1040 | 25.0 | -- | -- | 3.2 | -- | -- |
| 19... | 1042 | 24.0 | -- | -- | 2.8 | -- | -- |
| 19... | 1044 | 23.0 | -- | -- | 2.6 | -- | -- |
| 19... | 1046 | 22.0 | -- | -- | 2.4 | -- | -- |
| 19... | 1048 | 21.0 | -- | -- | 2.6 | -- | -- |
| 19... | 1050 | 20.0 | -- | -- | 2.8 | -- | -- |
| 19... | 1052 | 19.0 | -- | -- | 2.8 | -- | -- |
| 19... | 1054 | 18.5 | -- | -- | 3.0 | -- | -- |
| 19... | 1055 | 17.5 | -- | -- | 2.0 | -- | -- |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 1130 | 9 | 80513 | 80513 | .00 | 45.0 | 30 | 6.9 | 28.5 | 86.4 |
| 24... | 1132 | 9 | 80513 | 80010 | 3.00 | 45.0 | 30 | 6.9 | 28.5 | -- |
| 24... | 1134 | 9 | 80513 | 80513 | 10.0 | 45.0 | 30 | 6.7 | 28.0 | -- |
| 24... | 1136 | 9 | 80513 | 80513 | 17.0 | 45.0 | 30 | 6.2 | 27.0 | -- |
| 24... | 1138 | 9 | 80513 | 80513 | 18.0 | 45.0 | 30 | 6.0 | 26.0 | -- |
| 24... | 1140 | 9 | 80513 | 80513 | 19.0 | 45.0 | 30 | 5.9 | 25.0 | -- |
| 24... | 1142 | 9 | 80513 | 80513 | 20.0 | 45.0 | 30 | 5.9 | 24.0 | -- |
| 24... | 1144 | 9 | 80513 | 80513 | 21.0 | 45.0 | 30 | 5.9 | 23.0 | -- |
| 24... | 1146 | 9 | 80513 | 80513 | 22.0 | 45.0 | 30 | 5.9 | 22.0 | -- |
| 24... | 1148 | 9 | 80513 | 80513 | 24.0 | 45.0 | 30 | 5.9 | 21.0 | -- |
| 24... | 1150 | 9 | 80513 | 80513 | 26.0 | 45.0 | 30 | 5.9 | 20.0 | -- |
| 24... | 1152 | 9 | 80513 | 80513 | 30.0 | 45.0 | 30 | 5.9 | 19.0 | -- |
| 24... | 1154 | 9 | 80513 | 80513 | 35.0 | 45.0 | 32 | 5.9 | 18.0 | -- |
| 24... | 1156 | 9 | 80513 | 80513 | 40.0 | 45.0 | 34 | 5.9 | 18.0 | -- |
| 24... | 1200 | 9 | 80513 | 80513 | 45.0 | 45.0 | 38 | 6.0 | 17.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 1130 | 2.20 | 7.0 | 90 | 764 | -- | -- | -- | -- | -- |
| 24... | 1132 | -- | 7.0 | 90 | 764 | <.100 | <.010 | <.010 | 1.30 | <.100 |
| 24... | 1134 | -- | 6.9 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1136 | -- | 3.7 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1138 | -- | 1.0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1140 | -- | .5 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1142 | -- | .3 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1144 | -- | .2 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1146 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1148 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1150 | -- | .4 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1152 | -- | .2 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1154 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1156 | -- | .1 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1200 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 0800 | 9 | 80513 | 80513 | .00 | 56.0 | 32 | 7.0 | 24.0 | 26.0 |
| 29... | 0801 | 9 | 80513 | 80010 | 3.00 | 56.0 | 30 | 7.0 | -- | 26.0 |
| 29... | 0803 | 9 | 80513 | 80513 | 10.0 | 56.0 | 30 | 7.0 | -- | 26.0 |
| 29... | 0805 | 9 | 80513 | 80010 | 11.0 | 56.0 | 30 | 7.0 | -- | 26.0 |
| 29... | 0806 | 9 | 80513 | 80513 | 17.0 | 56.0 | 34 | 6.2 | -- | 25.0 |
| 29... | 0808 | 9 | 80513 | 80513 | 20.0 | 56.0 | 34 | 6.1 | -- | 24.0 |
| 29... | 0809 | 9 | 80513 | 80513 | 21.0 | 56.0 | 38 | 6.0 | -- | 23.0 |
| 29... | 0810 | 9 | 80513 | 80513 | 22.0 | 56.0 | 36 | 6.0 | -- | 22.0 |
| 29... | 0812 | 9 | 80513 | 80513 | 23.0 | 56.0 | 32 | 6.0 | -- | 21.0 |
| 29... | 0814 | 9 | 80513 | 80513 | 25.0 | 56.0 | 30 | 5.9 | -- | 20.0 |
| 29... | 0815 | 9 | 80513 | 80513 | 27.0 | 56.0 | 30 | 5.9 | -- | 19.0 |
| 29... | 0816 | 9 | 80513 | 80513 | 30.0 | 56.0 | 32 | 5.9 | -- | 18.0 |
| 29... | 0818 | 9 | 80513 | 80513 | 35.0 | 56.0 | 36 | 6.0 | -- | 17.0 |
| 29... | 0819 | 9 | 80513 | 80513 | 40.0 | 56.0 | 38 | 6.0 | -- | 16.0 |
| 29... | 0820 | 9 | 80513 | 80010 | 45.0 | 56.0 | 40 | 6.1 | -- | 15.0 |
| 29... | 0822 | 9 | 80513 | 80513 | 50.0 | 56.0 | 48 | 6.2 | -- | 14.5 |
| 29... | 0825 | 9 | 80513 | 80513 | 56.0 | 56.0 | 50 | 6.3 | -- | 14.0 |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 0800 | 98.4 | 2.50 | 7.0 | 87 | 759 | -- | -- | -- | 0 |
| 29... | 0801 | -- | -- | 7.0 | 87 | 759 | -- | -- | -- | -- |
| 29... | 0803 | -- | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 29... | 0805 | -- | -- | 6.8 | 84 | 760 | <1 | 1.2 | 1.0 | -- |
| 29... | 0806 | -- | -- | 1.5 | -- | -- | -- | -- | -- | -- |
| 29... | 0808 | -- | -- | .6 | -- | -- | -- | -- | -- | -- |
| 29... | 0809 | -- | -- | .3 | -- | -- | -- | -- | -- | -- |
| 29... | 0810 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0812 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0814 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0815 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0816 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0818 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 0819 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 0820 | -- | -- | .1 | 0 | 760 | 2 | 6.0 | .6 | -- |
| 29... | 0822 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 0825 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 0805 | 16 | 2.9 | 1.9 | <.100 | <.010 | <.010 | 90 | <1 | <10 |
| 29... | 0820 | 12 | 2.8 | 1.6 | <.100 | .010 | <.100 | 110 | 2 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 0801 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 29... | 0805 | 1 | 130 | 2 | 20 | <.1 | 2 | 10 | -- | -- |
| 29... | 0820 | 1 | 2300 | 1 | 1500 | <.1 | 1 | <10 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 25... | 1030 | 9 | 80513 | 80513 | .00 | 67.0 | 30 | 7.0 | 25.0 | 74.4 |
| 25... | 1031 | 9 | 80513 | 80010 | 3.00 | 67.0 | 30 | 7.0 | 25.0 | -- |
| 25... | 1032 | 9 | 80513 | 80513 | 10.0 | 67.0 | 30 | 6.9 | 25.0 | -- |
| 25... | 1034 | 9 | 80513 | 80513 | 20.0 | 67.0 | 34 | 6.3 | 24.5 | -- |
| 25... | 1036 | 9 | 80513 | 80513 | 23.0 | 67.0 | 38 | 6.0 | 23.5 | -- |
| 25... | 1038 | 9 | 80513 | 80513 | 27.0 | 67.0 | 40 | 5.9 | 22.5 | -- |
| 25... | 1040 | 9 | 80513 | 80513 | 30.0 | 67.0 | 36 | 5.9 | 21.5 | -- |
| 25... | 1042 | 9 | 80513 | 80513 | 32.0 | 67.0 | 38 | 5.9 | 20.5 | -- |
| 25... | 1044 | 9 | 80513 | 80513 | 33.0 | 67.0 | 38 | 6.0 | 19.5 | -- |
| 25... | 1046 | 9 | 80513 | 80513 | 40.0 | 67.0 | 44 | 6.1 | 18.5 | -- |
| 25... | 1047 | 9 | 80513 | 80513 | 45.0 | 67.0 | 46 | 6.1 | 17.5 | -- |
| 25... | 1048 | 9 | 80513 | 80513 | 50.0 | 67.0 | 50 | 6.2 | 16.5 | -- |
| 25... | 1049 | 9 | 80513 | 80513 | 60.0 | 67.0 | 68 | 6.4 | 15.5 | -- |
| 25... | 1050 | 9 | 80513 | 80513 | 67.0 | 67.0 | 82 | 6.5 | 14.5 | -- |

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 25... | 1030 | 1.90 | 7.9 | 96 | 762 | -- | -- | -- | -- |
| 25... | 1031 | -- | 7.9 | 96 | 762 | .010 | <.010 | 3.60 | <.100 |
| 25... | 1032 | -- | 7.7 | -- | -- | -- | -- | -- | -- |
| 25... | 1034 | -- | 3.6 | -- | -- | -- | -- | -- | -- |
| 25... | 1036 | -- | .7 | -- | -- | -- | -- | -- | -- |
| 25... | 1038 | -- | .5 | -- | -- | -- | -- | -- | -- |
| 25... | 1040 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1042 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1044 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1046 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1047 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1048 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1049 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1050 | -- | .1 | -- | -- | -- | -- | -- | -- |

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, AR

LOCATION.--Lat 34°12'32", long 94°13'40", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109 at Gillham Dam, 6.0 mi northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 11... | 1200 | 9 | 80513 | 80513 | .00 | 48 | 9.5 | 23.5 | 9.0 |
| NOV 02... | 1400 | 9 | 80513 | 80513 | .00 | 50 | 6.8 | 19.0 | 9.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1425 | 9 | 80513 | 80010 | .00 | 40 | 6.8 | 10.5 | 11.0 | 10.7 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1425 | 98 | 752 | 25 | 10 | .7 | 8 | 9 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1425 | 2.0 | 5.0 | .90 | .8 | 10 | 3.0 | 4.6 | .700 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1425 | .040 | .36 | .40 | 1.1 | .030 | .030 | 370 | 1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1425 | <10 | 1 | 560 | 5 | 30 | <.1 | <1 | 10 |

07340452 COSSATOT RIVER BELOW GILLHAM DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 09... | 1230 | 9 | 80513 | 80513 | 67 | 34 | 7.2 | 7.0 | 9.6 |
| FEB 07... | 1230 | 9 | 80513 | 80513 | 164 | 48 | 6.8 | 5.0 | 12.8 |
| MAR 20... | 1100 | 9 | 80513 | 80513 | 1960 | 28 | 6.5 | 10.5 | 11.2 |
| APR 10... | 0900 | 9 | 80513 | 80513 | 1160 | 28 | 6.7 | 12.0 | 10.6 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 0800 | 9 | 80513 | 80010 | 2310 | 28 | 6.9 | 15.0 | 15.5 | 10.0 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 0800 | 100 | 764 | 20 | 11 | 1.6 | 44 | 7 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 0800 | 1.6 | 4.0 | .70 | .7 | 8 | 3.4 | 1.5 | .100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 0800 | .050 | .15 | .20 | .30 | .010 | <.010 | 230 | <1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 0800 | 20 | 1 | 370 | <1 | <10 | <.1 | 4 | 10 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 19... | 1000 | 9 | 80513 | 80513 | 54 | 36 | 6.6 | 19.0 | 6.8 |
| JUL 24... | 1030 | 9 | 80513 | 80513 | 54 | 28 | 7.0 | 27.5 | 7.6 |

07340452 COSSATOT RIVER BELOW GILLHAM DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 0700 | 9 | 80513 | 80010 | 54 | 32 | 6.7 | 24.0 | 24.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 0700 | 6.4 | 76 | 759 | 1 | 1.6 | 1.2 | 61 | 12 |

| DATE | TIME | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 0700 | 2.8 | 1.9 | <.100 | <.010 | <.010 | 90 | 1 | <10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|
| AUG 29... | 0700 | 1 | 370 | 1 | 170 | <.1 | 1 | 10 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 25... | 1000 | 9 | 80513 | 80513 | 308 | 42 | 6.5 | 20.5 | 8.2 |

## 07340945 SALINE RIVER NEAR BURG, AR

LOCATION.--Lat 34°12'39", long 94°03'02", in NW 1/4 SE 1/4 sec.25, T.6 S., R.29 W., Howard County, Hydrologic Unit 1114010 2.6 mi southeast of Burg, Ark., and 8.0 mi north of Dierks, Ark., and 4.0 mi upstream from entry to Dierks Lake.

DRAINAGE AREA.--47.4 $mi^2$

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1100 | 9 | 9827 | 9827 | 6.7 | 17.0 | 14.0 | 4.0 | 8.6 | 1.2 |
| DEC | | | | | | | | | | |
| 13... | 1630 | 9 | 9827 | 9827 | 6.8 | 9.0 | 9.0 | 15 | 10.9 | .9 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1015 | 9 | 9827 | 9827 | 6.7 | 7.0 | 2.0 | -- | 13.6 | 1.1 |
| FEB | | | | | | | | | | |
| 14... | 1010 | 9 | 9827 | 9827 | 6.5 | 13.0 | 8.0 | 20 | 11.4 | .6 |
| MAR | | | | | | | | | | |
| 13... | 1030 | 9 | 9827 | 9827 | 6.5 | 12.0 | 9.0 | 25 | 11.1 | .3 |
| APR | | | | | | | | | | |
| 10... | 1030 | 9 | 9827 | 9827 | 6.7 | 18.0 | 13.0 | 20 | 10.0 | 1.2 |
| MAY | | | | | | | | | | |
| 15... | 1105 | 9 | 9827 | 9827 | 6.9 | 21.0 | 20.0 | 7.5 | 8.7 | 1.3 |
| JUN | | | | | | | | | | |
| 12... | 1030 | 9 | 9827 | 9827 | 6.8 | 24.0 | 24.0 | 5.2 | -- | 1.5 |
| JUL | | | | | | | | | | |
| 17... | 1040 | 9 | 9827 | 9827 | 7.0 | 25.0 | 26.0 | 7.5 | 6.6 | 1.4 |
| AUG | | | | | | | | | | |
| 14... | 0815 | 9 | 9827 | 9827 | 6.9 | 18.0 | 24.0 | 20 | 6.7 | 1.4 |
| SEP | | | | | | | | | | |
| 11... | 0800 | 9 | 9827 | 9827 | 7.0 | 18.0 | 22.0 | -- | 7.2 | 1.6 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1100 | 32 | 1.0 | 5.0 | 90 | .12 | 4 | .03 | .020 | -- |
| DEC | | | | | | | | | | |
| 13... | 1630 | 44 | 1.0 | 4.0 | 44 | .06 | 9 | .66 | .040 | .020 |
| JAN, 1984 | | | | | | | | | | |
| 17... | 1015 | 20 | 3.0 | 5.0 | 35 | .05 | 7 | .45 | -- | .010 |
| FEB | | | | | | | | | | |
| 14... | 1010 | 150 | 5.0 | 4.0 | 41 | .06 | 8 | .72 | .010 | .020 |
| MAR | | | | | | | | | | |
| 13... | 1030 | 210 | 3.0 | 2.5 | 48 | .07 | 14 | .59 | <.010 | .070 |
| APR | | | | | | | | | | |
| 10... | 1030 | 30 | 1.0 | 2.0 | 40 | .05 | 7 | .30 | .010 | .060 |
| MAY | | | | | | | | | | |
| 15... | 1105 | 110 | 3.0 | 2.0 | 42 | .06 | 14 | .27 | <.010 | .030 |
| JUN | | | | | | | | | | |
| 12... | 1030 | 32 | 5.0 | 5.5 | 43 | .06 | 40 | .11 | .040 | .030 |
| JUL | | | | | | | | | | |
| 17... | 1040 | 88 | 5.0 | 3.5 | 44 | .06 | 6 | .12 | .030 | .040 |
| AUG | | | | | | | | | | |
| 14... | 0815 | 50 | 3.0 | 4.0 | 50 | .07 | 10 | -- | .050 | .040 |
| SEP | | | | | | | | | | |
| 11... | 0800 | 150 | 1.0 | 3.5 | 53 | .07 | 11 | .41 | .050 | .090 |

07340945 SALINE RIVER NEAR BURG, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | 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) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1100 | .060 | <5 | 0 | <1 | -- | 12 | <5 | 20 |
| DEC | | | | | | | | | |
| 13... | 1630 | -- | -- | 0 | 1 | 19 | 36 | -- | 30 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1015 | .010 | -- | 0 | 2 | 14 | -- | -- | -- |
| FEB | | | | | | | | | |
| 14... | 1010 | .010 | <5 | 0 | 1 | 17 | 7 | <5 | 40 |
| MAR | | | | | | | | | |
| 13... | 1030 | .010 | -- | 0 | -- | 20 | 11 | -- | 20 |
| APR | | | | | | | | | |
| 10... | 1030 | .010 | <5 | 0 | 2 | <10 | 5 | <5 | 40 |
| MAY | | | | | | | | | |
| 15... | 1105 | <.010 | -- | 0 | <1 | 28 | 18 | -- | 70 |
| JUN | | | | | | | | | |
| 12... | 1030 | .010 | -- | 0 | <1 | -- | -- | -- | -- |
| JUL | | | | | | | | | |
| 17... | 1040 | .020 | -- | 0 | <1 | 11 | -- | -- | -- |
| AUG | | | | | | | | | |
| 14... | 0815 | .020 | <5 | 0 | 1 | 18 | 6 | <5 | 40 |
| SEP | | | | | | | | | |
| 11... | 0800 | .050 | -- | 0 | 2 | 10 | 6 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 13... | 1630 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 17... | 1015 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 10... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| AUG | | | | | | | | | |
| 14... | 0815 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07340990 DIERKS LAKE NEAR DIERKS, AR

LOCATION.--Lat 34°08'39", long 94°05'53", in NE 1/4 NW 1/4 sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam on Saline River, 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 11... | 1030 | 9 | 80513 | 80513 | .00 | 61.0 | 40 | 8.7 |
| 11... | 1032 | 9 | 80513 | 80513 | 10.0 | 61.0 | 40 | 8.6 |
| 11... | 1034 | 9 | 80513 | 80513 | 20.0 | 61.0 | 40 | 8.5 |
| 11... | 1036 | 9 | 80513 | 80513 | 30.0 | 61.0 | 40 | 8.4 |
| 11... | 1038 | 9 | 80513 | 80513 | 35.0 | 61.0 | 58 | 8.3 |
| 11... | 1040 | 9 | 80513 | 80513 | 40.0 | 61.0 | 64 | 8.3 |
| 11... | 1042 | 9 | 80513 | 80513 | 50.0 | 61.0 | 82 | 8.3 |
| 11... | 1044 | 9 | 80513 | 80513 | 60.0 | 61.0 | 100 | 8.3 |
| 11... | 1045 | 9 | 80513 | 80513 | 61.0 | 61.0 | 104 | 8.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 11... | 1030 | 21.5 | 48.0 | 1.20 | 4.8 | 55 | 750 |
| 11... | 1032 | 21.5 | -- | -- | 4.5 | -- | -- |
| 11... | 1034 | 21.5 | -- | -- | 4.8 | -- | -- |
| 11... | 1036 | 21.5 | -- | -- | 4.8 | -- | -- |
| 11... | 1038 | 20.5 | -- | -- | .2 | -- | -- |
| 11... | 1040 | 20.0 | -- | -- | .1 | -- | -- |
| 11... | 1042 | 19.0 | -- | -- | .1 | -- | -- |
| 11... | 1044 | 18.5 | -- | -- | .1 | -- | -- |
| 11... | 1045 | 18.5 | -- | -- | .1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 03... | 0945 | 9 | 80513 | 80513 | .00 | 64.0 | 46 | 6.5 |
| 03... | 0946 | 9 | 80513 | 80513 | 10.0 | 64.0 | 46 | 6.4 |
| 03... | 0948 | 9 | 80513 | 80513 | 20.0 | 64.0 | 46 | 6.3 |
| 03... | 0950 | 9 | 80513 | 80513 | 30.0 | 64.0 | 48 | 6.2 |
| 03... | 0952 | 9 | 80513 | 80513 | 40.0 | 64.0 | 48 | 6.2 |
| 03... | 0953 | 9 | 80513 | 80513 | 50.0 | 64.0 | 56 | 6.2 |
| 03... | 0954 | 9 | 80513 | 80513 | 60.0 | 64.0 | 50 | 6.2 |
| 03... | 0955 | 9 | 80513 | 80513 | 64.0 | 64.0 | 52 | 6.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 03... | 0945 | 19.0 | 55.2 | 1.40 | 4.4 | 48 | 755 |
| 03... | 0946 | 18.5 | -- | -- | 4.0 | -- | -- |
| 03... | 0948 | 18.0 | -- | -- | .5 | -- | -- |
| 03... | 0950 | 18.0 | -- | -- | .1 | -- | -- |
| 03... | 0952 | 18.0 | -- | -- | 1.0 | -- | -- |
| 03... | 0953 | 17.5 | -- | -- | .1 | -- | -- |
| 03... | 0954 | 17.5 | -- | -- | .1 | -- | -- |
| 03... | 0955 | 17.5 | -- | -- | .1 | -- | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1200 | 9 | 80513 | 80513 | .00 | 66.0 | 43 | 6.7 | 13.5 | 10.5 |
| 12... | 1201 | 9 | 80513 | 80010 | 3.00 | 66.0 | -- | -- | -- | -- |
| 12... | 1202 | 9 | 80513 | 80513 | 10.0 | 66.0 | 43 | 6.8 | -- | 11.0 |
| 12... | 1205 | 9 | 80513 | 80010 | 13.0 | 66.0 | 43 | 6.9 | -- | 11.0 |
| 12... | 1206 | 9 | 80513 | 80513 | 20.0 | 66.0 | 43 | 6.9 | -- | 11.0 |
| 12... | 1208 | 9 | 80513 | 80513 | 30.0 | 66.0 | 43 | 6.9 | -- | 11.0 |
| 12... | 1210 | 9 | 80513 | 80513 | 40.0 | 66.0 | 43 | 6.9 | -- | 10.5 |
| 12... | 1212 | 9 | 80513 | 80513 | 50.0 | 66.0 | 42 | 6.9 | -- | 9.5 |
| 12... | 1215 | 9 | 80513 | 80010 | 53.0 | 66.0 | 42 | 6.9 | -- | 9.5 |
| 12... | 1218 | 9 | 80513 | 80513 | 60.0 | 66.0 | 42 | 6.9 | -- | 9.0 |
| 12... | 1220 | 9 | 80513 | 80513 | 66.0 | 66.0 | 43 | 6.9 | -- | 9.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1200 | 50.4 | 1.30 | 8.8 | 80 | 752 | -- | -- | -- | 6 |
| 12... | 1201 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 12... | 1202 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 12... | 1205 | -- | -- | 8.8 | 81 | 752 | 8 | 36 | 1.0 | 6 |
| 12... | 1206 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 12... | 1208 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 12... | 1210 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 12... | 1212 | -- | -- | 7.8 | -- | -- | -- | -- | -- | -- |
| 12... | 1215 | -- | -- | 7.8 | 69 | 752 | 25 | 11 | 1.1 | -- |
| 12... | 1218 | -- | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 12... | 1220 | -- | -- | 8.1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1205 | 10 | 0 | 0 | 2.2 | 6.0 | 1.1 | 1.4 | 12 | 3.0 |
| 12... | 1215 | 10 | 0 | 0 | 2.1 | 5.0 | 1.1 | 1.4 | 11 | 3.0 |

| DATE | TIME | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1205 | 4.3 | .400 | .160 | <.10 | .030 | .020 | 130 | 1 | 10 |
| 12... | 1215 | 4.1 | .200 | .190 | <.10 | .030 | .020 | 290 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1201 | -- | -- | -- | -- | -- | -- | -- | 6.10 | .800 |
| 12... | 1205 | 1 | 360 | 4 | 40 | <.1 | <1 | 10 | -- | -- |
| 12... | 1215 | -- | 590 | -- | 50 | <.1 | -- | 10 | -- | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 09... | 1100 | 9 | 80513 | 80513 | .00 | 65.0 | 38 | 7.5 |
| 09... | 1103 | 9 | 80513 | 80513 | 10.0 | 65.0 | 38 | 7.3 |
| 09... | 1105 | 9 | 80513 | 80513 | 20.0 | 65.0 | 38 | 7.3 |
| 09... | 1108 | 9 | 80513 | 80513 | 30.0 | 65.0 | 38 | 7.2 |
| 09... | 1110 | 9 | 80513 | 80513 | 40.0 | 65.0 | 38 | 7.2 |
| 09... | 1113 | 9 | 80513 | 80513 | 50.0 | 65.0 | 38 | 7.1 |
| 09... | 1117 | 9 | 80513 | 80513 | 60.0 | 65.0 | 38 | 7.1 |
| 09... | 1120 | 9 | 80513 | 80513 | 65.0 | 65.0 | 38 | 7.1 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 09... | 1100 | 6.5 | 66.0 | 1.70 | 11.0 | 91 | 753 |
| 09... | 1103 | 6.0 | -- | -- | 10.8 | -- | -- |
| 09... | 1105 | 6.0 | -- | -- | 10.8 | -- | -- |
| 09... | 1108 | 5.5 | -- | -- | 10.6 | -- | -- |
| 09... | 1110 | 5.5 | -- | -- | 10.6 | -- | -- |
| 09... | 1113 | 5.0 | -- | -- | 10.6 | -- | -- |
| 09... | 1117 | 5.0 | -- | -- | 10.6 | -- | -- |
| 09... | 1120 | 5.0 | -- | -- | 10.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 07... | 1415 | 9 | 80513 | 80513 | .00 | 66.0 | 54 | 7.0 |
| 07... | 1416 | 9 | 80513 | 80513 | 10.0 | 66.0 | 54 | 7.0 |
| 07... | 1418 | 9 | 80513 | 80513 | 20.0 | 66.0 | 54 | 7.0 |
| 07... | 1420 | 9 | 80513 | 80513 | 30.0 | 66.0 | 54 | 7.0 |
| 07... | 1422 | 9 | 80513 | 80513 | 40.0 | 66.0 | 54 | 6.9 |
| 07... | 1423 | 9 | 80513 | 80513 | 50.0 | 66.0 | 54 | 6.9 |
| 07... | 1424 | 9 | 80513 | 80513 | 60.0 | 66.0 | 54 | 6.8 |
| 07... | 1425 | 9 | 80513 | 80513 | 66.0 | 66.0 | 54 | 6.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 07... | 1415 | 5.5 | 43.2 | 1.10 | 10.8 | 86 | 758 |
| 07... | 1416 | 5.0 | -- | -- | 10.6 | -- | -- |
| 07... | 1418 | 5.0 | -- | -- | 10.6 | -- | -- |
| 07... | 1420 | 5.0 | -- | -- | 10.6 | -- | -- |
| 07... | 1422 | 5.0 | -- | -- | 10.4 | -- | -- |
| 07... | 1423 | 5.0 | -- | -- | 10.4 | -- | -- |
| 07... | 1424 | 5.0 | -- | -- | 10.4 | -- | -- |
| 07... | 1425 | 5.0 | -- | -- | 10.2 | -- | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 20... | 1500 | 9 | 80513 | 80513 | .00 | 76.0 | 40 | 6.9 |
| 20... | 1502 | 9 | 80513 | 80513 | 10.0 | 76.0 | 40 | 6.8 |
| 20... | 1504 | 9 | 80513 | 80513 | 20.0 | 76.0 | 40 | 6.8 |
| 20... | 1506 | 9 | 80513 | 80513 | 30.0 | 76.0 | 40 | 6.8 |
| 20... | 1508 | 9 | 80513 | 80513 | 40.0 | 76.0 | 40 | 6.8 |
| 20... | 1510 | 9 | 80513 | 80513 | 50.0 | 76.0 | 40 | 6.8 |
| 20... | 1512 | 9 | 80513 | 80513 | 60.0 | 76.0 | 40 | 6.7 |
| 20... | 1514 | 9 | 80513 | 80513 | 70.0 | 76.0 | 40 | 6.7 |
| 20... | 1515 | 9 | 80513 | 80513 | 76.0 | 76.0 | 40 | 6.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 20... | 1500 | 12.0 | 36.0 | .90 | 9.8 | 92 | 753 |
| 20... | 1502 | 11.5 | -- | -- | 9.8 | -- | -- |
| 20... | 1504 | 11.5 | -- | -- | 9.8 | -- | -- |
| 20... | 1506 | 10.5 | -- | -- | 9.3 | -- | -- |
| 20... | 1508 | 9.5 | -- | -- | 7.7 | -- | -- |
| 20... | 1510 | 9.0 | -- | -- | 6.4 | -- | -- |
| 20... | 1512 | 8.5 | -- | -- | 6.4 | -- | -- |
| 20... | 1514 | 8.5 | -- | -- | 6.1 | -- | -- |
| 20... | 1515 | 8.5 | -- | -- | 6.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 10... | 1400 | 9 | 80513 | 80513 | .00 | 68.0 | 40 | 7.1 |
| 10... | 1402 | 9 | 80513 | 80513 | 10.0 | 68.0 | 40 | 7.0 |
| 10... | 1404 | 9 | 80513 | 80513 | 20.0 | 68.0 | 40 | 6.9 |
| 10... | 1406 | 9 | 80513 | 80513 | 30.0 | 68.0 | 40 | 6.8 |
| 10... | 1408 | 9 | 80513 | 80513 | 40.0 | 68.0 | 40 | 6.7 |
| 10... | 1411 | 9 | 80513 | 80513 | 50.0 | 68.0 | 40 | 6.6 |
| 10... | 1412 | 9 | 80513 | 80513 | 60.0 | 68.0 | 40 | 6.4 |
| 10... | 1415 | 9 | 80513 | 80513 | 68.0 | 68.0 | 40 | 6.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 10... | 1400 | 15.5 | 40.8 | 1.00 | 9.2 | 93 | 753 |
| 10... | 1402 | 14.5 | -- | -- | 9.2 | -- | -- |
| 10... | 1404 | 13.5 | -- | -- | 8.7 | -- | -- |
| 10... | 1406 | 12.5 | -- | -- | 8.6 | -- | -- |
| 10... | 1408 | 12.0 | -- | -- | 8.3 | -- | -- |
| 10... | 1411 | 12.0 | -- | -- | 7.9 | -- | -- |
| 10... | 1412 | 11.5 | -- | -- | 7.0 | -- | -- |
| 10... | 1415 | 11.5 | -- | -- | 6.7 | -- | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 09... | 1400 | 9 | 80513 | 80513 | .00 | 82.0 | 33 | 7.6 | 31.0 | 20.0 | 50.4 |
| 09... | 1401 | 9 | 80513 | 80010 | 3.00 | 82.0 | -- | -- | -- | -- | -- |
| 09... | 1402 | 9 | 80513 | 80513 | 10.0 | 82.0 | 33 | 7.5 | -- | 20.0 | -- |
| 09... | 1403 | 9 | 80513 | 80513 | 13.0 | 82.0 | 33 | 7.0 | -- | 19.0 | -- |
| 09... | 1404 | 9 | 80513 | 80513 | 15.0 | 82.0 | 33 | 6.8 | -- | 18.0 | -- |
| 09... | 1405 | 9 | 80513 | 80010 | 16.5 | 82.0 | 33 | 6.7 | -- | 17.0 | -- |
| 09... | 1413 | 9 | 80513 | 80513 | 18.0 | 82.0 | 34 | 6.7 | -- | 16.0 | -- |
| 09... | 1416 | 9 | 80513 | 80513 | 20.0 | 82.0 | 34 | 6.6 | -- | 16.0 | -- |
| 09... | 1420 | 9 | 80513 | 80513 | 30.0 | 82.0 | 34 | 6.5 | -- | 15.5 | -- |
| 09... | 1422 | 9 | 80513 | 80513 | 40.0 | 82.0 | 34 | 6.5 | -- | 14.5 | -- |
| 09... | 1424 | 9 | 80513 | 80513 | 50.0 | 82.0 | 36 | 6.5 | -- | 14.5 | -- |
| 09... | 1426 | 9 | 80513 | 80513 | 60.0 | 82.0 | 36 | 6.4 | -- | 14.0 | -- |
| 09... | 1430 | 9 | 80513 | 80010 | 65.5 | 82.0 | 36 | 6.2 | -- | 13.5 | -- |
| 09... | 1432 | 9 | 80513 | 80513 | 70.0 | 82.0 | 36 | 6.1 | -- | 13.0 | -- |
| 09... | 1436 | 9 | 80513 | 80513 | 80.0 | 82.0 | 38 | 6.1 | -- | 13.0 | -- |
| 09... | 1440 | 9 | 80513 | 80513 | 82.0 | 82.0 | 38 | 6.1 | -- | 13.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 09... | 1400 | 1.30 | 8.4 | 92 | 762 | -- | -- | -- | 4 | -- | -- |
| 09... | 1401 | -- | -- | -- | 762 | -- | -- | -- | -- | -- | -- |
| 09... | 1402 | -- | 8.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1403 | -- | 7.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1404 | -- | 6.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1405 | -- | 6.0 | 62 | 762 | 28 | 7.4 | 2.1 | -- | 9 | 0 |
| 09... | 1413 | -- | 5.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1416 | -- | 5.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1420 | -- | 5.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1422 | -- | 5.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1424 | -- | 4.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1426 | -- | 3.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1430 | -- | 3.0 | 29 | 762 | 40 | 24 | 3.3 | -- | 10 | 0 |
| 09... | 1432 | -- | 2.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1436 | -- | 2.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09... | 1440 | -- | 2.1 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 1405 | 0 | 1.9 | 5.0 | 1.0 | 1.0 | 10 | 3.9 | 2.0 | .400 |
| 09... | 1430 | 0 | 2.2 | 6.0 | 1.1 | 1.0 | 12 | 3.8 | 2.0 | .400 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 1405 | .140 | .16 | .30 | .70 | .020 | .010 | 220 | <1 | 10 |
| 09... | 1430 | .180 | .42 | .60 | 1.0 | .070 | .020 | 560 | <1 | 10 |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 09... | 1401 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 1405 | 1 | 370 | 1 | 20 | <.1 | 3 | <10 | -- | -- |
| 09... | 1430 | 3 | 1800 | 2 | 530 | <.1 | 2 | 20 | -- | -- |

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 19... | 1330 | 9 | 80513 | 80513 | .00 | 77.0 | 36 | 7.1 |
| 19... | 1332 | 9 | 80513 | 80513 | 8.00 | 77.0 | 36 | 7.2 |
| 19... | 1334 | 9 | 80513 | 80513 | 10.0 | 77.0 | 36 | 7.6 |
| 19... | 1336 | 9 | 80513 | 80513 | 11.0 | 77.0 | 36 | 7.8 |
| 19... | 1338 | 9 | 80513 | 80513 | 12.0 | 77.0 | 36 | 7.2 |
| 19... | 1340 | 9 | 80513 | 80513 | 13.0 | 77.0 | 36 | 6.9 |
| 19... | 1342 | 9 | 80513 | 80513 | 15.0 | 77.0 | 36 | 6.4 |
| 19... | 1344 | 9 | 80513 | 80513 | 16.0 | 77.0 | 36 | 6.1 |
| 19... | 1346 | 9 | 80513 | 80513 | 17.0 | 77.0 | 36 | 6.0 |
| 19... | 1348 | 9 | 80513 | 80513 | 18.0 | 77.0 | 36 | 5.9 |
| 19... | 1350 | 9 | 80513 | 80513 | 20.0 | 77.0 | 36 | 5.8 |
| 19... | 1352 | 9 | 80513 | 80513 | 22.0 | 77.0 | 36 | 5.8 |
| 19... | 1354 | 9 | 80513 | 80513 | 25.0 | 77.0 | 36 | 5.8 |
| 19... | 1356 | 9 | 80513 | 80513 | 27.0 | 77.0 | 36 | 5.8 |
| 19... | 1358 | 9 | 80513 | 80513 | 30.0 | 77.0 | 36 | 5.8 |
| 19... | 1400 | 9 | 80513 | 80513 | 40.0 | 77.0 | 36 | 5.8 |
| 19... | 1402 | 9 | 80513 | 80513 | 50.0 | 77.0 | 36 | 5.8 |
| 19... | 1404 | 9 | 80513 | 80513 | 60.0 | 77.0 | 36 | 5.8 |
| 19... | 1406 | 9 | 80513 | 80513 | 70.0 | 77.0 | 36 | 5.9 |
| 19... | 1410 | 9 | 80513 | 80513 | 77.0 | 77.0 | 36 | 5.9 |

| DATE | TIME | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 19... | 1330 | 30.5 | 54.0 | 1.40 | 7.2 | 96 | 760 |
| 19... | 1332 | 29.5 | -- | -- | 7.3 | -- | -- |
| 19... | 1334 | 28.5 | -- | -- | 7.9 | -- | -- |
| 19... | 1336 | 27.5 | -- | -- | 7.8 | -- | -- |
| 19... | 1338 | 26.5 | -- | -- | 7.2 | -- | -- |
| 19... | 1340 | 25.5 | -- | -- | 6.8 | -- | -- |
| 19... | 1342 | 24.5 | -- | -- | 2.6 | -- | -- |
| 19... | 1344 | 23.5 | -- | -- | 1.3 | -- | -- |
| 19... | 1346 | 22.5 | -- | -- | .3 | -- | -- |
| 19... | 1348 | 21.5 | -- | -- | .1 | -- | -- |
| 19... | 1350 | 20.5 | -- | -- | .2 | -- | -- |
| 19... | 1352 | 19.5 | -- | -- | .8 | -- | -- |
| 19... | 1354 | 18.5 | -- | -- | 1.5 | -- | -- |
| 19... | 1356 | 17.5 | -- | -- | 2.1 | -- | -- |
| 19... | 1358 | 17.0 | -- | -- | 2.2 | -- | -- |
| 19... | 1400 | 16.0 | -- | -- | 1.5 | -- | -- |
| 19... | 1402 | 15.5 | -- | -- | .2 | -- | -- |
| 19... | 1404 | 15.0 | -- | -- | .1 | -- | -- |
| 19... | 1406 | 15.0 | -- | -- | .1 | -- | -- |
| 19... | 1410 | 14.5 | -- | -- | .1 | -- | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 1330 | 9 | 80513 | 80513 | .00 | 68.0 | 36 | 7.5 | 28.5 | 62.4 |
| 24... | 1332 | 9 | 80513 | 80010 | 3.00 | 68.0 | 36 | 7.5 | 28.5 | -- |
| 24... | 1334 | 9 | 80513 | 80513 | 10.0 | 68.0 | 36 | 7.4 | 28.0 | -- |
| 24... | 1336 | 9 | 80513 | 80513 | 14.0 | 68.0 | 36 | 6.8 | 27.0 | -- |
| 24... | 1338 | 9 | 80513 | 80513 | 16.0 | 68.0 | 36 | 6.1 | 26.0 | -- |
| 24... | 1340 | 9 | 80513 | 80513 | 17.0 | 68.0 | 38 | 6.0 | 25.0 | -- |
| 24... | 1342 | 9 | 80513 | 80513 | 18.0 | 68.0 | 38 | 6.0 | 24.0 | -- |
| 24... | 1344 | 9 | 80513 | 80513 | 19.0 | 68.0 | 38 | 6.0 | 23.0 | -- |
| 24... | 1346 | 9 | 80513 | 80513 | 20.0 | 68.0 | 38 | 6.0 | 22.0 | -- |
| 24... | 1348 | 9 | 80513 | 80513 | 21.0 | 68.0 | 38 | 6.0 | 21.0 | -- |
| 24... | 1350 | 9 | 80513 | 80513 | 22.0 | 68.0 | 36 | 5.9 | 20.0 | -- |
| 24... | 1352 | 9 | 80513 | 80513 | 23.0 | 68.0 | 36 | 5.9 | 19.0 | -- |
| 24... | 1354 | 9 | 80513 | 80513 | 24.0 | 68.0 | 36 | 5.9 | 18.0 | -- |
| 24... | 1356 | 9 | 80513 | 80513 | 27.0 | 68.0 | 34 | 5.9 | 17.0 | -- |
| 24... | 1358 | 9 | 80513 | 80513 | 30.0 | 68.0 | 34 | 5.8 | 16.5 | -- |
| 24... | 1400 | 9 | 80513 | 80513 | 40.0 | 68.0 | 36 | 5.9 | 15.5 | -- |
| 24... | 1402 | 9 | 80513 | 80513 | 50.0 | 68.0 | 40 | 5.9 | 15.0 | -- |
| 24... | 1404 | 9 | 80513 | 80513 | 60.0 | 68.0 | 50 | 6.0 | 14.5 | -- |
| 24... | 1405 | 9 | 80513 | 80513 | 68.0 | 68.0 | 66 | 6.2 | 14.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 24... | 1330 | 1.60 | 7.0 | 90 | 762 | -- | -- | -- | -- | -- |
| 24... | 1332 | -- | 7.0 | 90 | 762 | <.100 | <.010 | <.010 | 3.90 | <.100 |
| 24... | 1334 | -- | 6.9 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1336 | -- | 5.7 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1338 | -- | .7 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1340 | -- | .2 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1342 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1344 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1346 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1348 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1350 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1352 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1354 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1356 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1358 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1400 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1402 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1404 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |
| 24... | 1405 | -- | .0 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 1230 | 9 | 80513 | 80513 | .00 | 72.0 | 36 | 7.5 | 35.0 | 26.0 |
| 29... | 1232 | 9 | 80513 | 80010 | 3.00 | 72.0 | 36 | 7.5 | -- | 25.5 |
| 29... | 1234 | 9 | 80513 | 80513 | 10.0 | 72.0 | 36 | 7.2 | -- | 25.0 |
| 29... | 1235 | 9 | 80513 | 80010 | 14.0 | 72.0 | 36 | 6.8 | -- | 24.0 |
| 29... | 1237 | 9 | 80513 | 80513 | 15.0 | 72.0 | 36 | 6.2 | -- | 23.0 |
| 29... | 1239 | 9 | 80513 | 80513 | 17.0 | 72.0 | 38 | 6.0 | -- | 22.0 |
| 29... | 1241 | 9 | 80513 | 80513 | 18.0 | 72.0 | 38 | 5.9 | -- | 21.0 |
| 29... | 1243 | 9 | 80513 | 80513 | 20.0 | 72.0 | 40 | 5.9 | -- | 20.5 |
| 29... | 1244 | 9 | 80513 | 80513 | 22.0 | 72.0 | 40 | 5.9 | -- | 19.5 |
| 29... | 1246 | 9 | 80513 | 80513 | 24.0 | 72.0 | 38 | 5.9 | -- | 18.5 |
| 29... | 1247 | 9 | 80513 | 80513 | 25.0 | 72.0 | 38 | 5.8 | -- | 17.5 |
| 29... | 1248 | 9 | 80513 | 80513 | 26.0 | 72.0 | 38 | 5.8 | -- | 16.5 |
| 29... | 1249 | 9 | 80513 | 80513 | 27.0 | 72.0 | 36 | 5.8 | -- | 15.5 |
| 29... | 1250 | 9 | 80513 | 80513 | 30.0 | 72.0 | 36 | 5.8 | -- | 14.5 |
| 29... | 1252 | 9 | 80513 | 80513 | 40.0 | 72.0 | 40 | 5.8 | -- | 13.5 |
| 29... | 1254 | 9 | 80513 | 80513 | 50.0 | 72.0 | 62 | 6.1 | -- | 13.0 |
| 29... | 1255 | 9 | 80513 | 80010 | 58.0 | 72.0 | 70 | 6.3 | -- | 12.5 |
| 29... | 1257 | 9 | 80513 | 80513 | 60.0 | 72.0 | 70 | 6.3 | -- | 12.5 |
| 29... | 1259 | 9 | 80513 | 80513 | 70.0 | 72.0 | 70 | 6.3 | -- | 12.5 |
| 29... | 1300 | 9 | 80513 | 80513 | 72.0 | 72.0 | 74 | 6.3 | -- | 12.5 |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PARENCY (SECCHI DISK) (IN) (00077) | TRANS-PARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 1230 | 88.8 | 2.30 | 7.4 | 92 | 758 | -- | -- | -- | 0 |
| 29... | 1232 | -- | -- | 7.4 | 91 | 758 | -- | -- | -- | -- |
| 29... | 1234 | -- | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 29... | 1235 | -- | -- | 3.5 | 42 | 758 | 2 | 1.2 | 1.2 | -- |
| 29... | 1237 | -- | -- | 2.8 | -- | -- | -- | -- | -- | -- |
| 29... | 1239 | -- | -- | 1.2 | -- | -- | -- | -- | -- | -- |
| 29... | 1241 | -- | -- | .5 | -- | -- | -- | -- | -- | -- |
| 29... | 1243 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 1244 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 1246 | -- | -- | .2 | -- | -- | -- | -- | -- | -- |
| 29... | 1247 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1248 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1249 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1250 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1252 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1254 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1255 | -- | -- | .1 | 0 | 758 | 120 | 5.0 | 1.4 | -- |
| 29... | 1257 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1259 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |
| 29... | 1300 | -- | -- | .1 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 1235 | 13 | 3.1 | 2.1 | <.100 | <.010 | <.010 | 80 | <1 | 10 |
| 29... | 1255 | 20 | 3.2 | 2.3 | <.100 | .130 | .110 | 90 | 5 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 29... | 1232 | -- | -- | -- | -- | -- | -- | -- | 1.90 | <.100 |
| 29... | 1235 | 2 | 180 | 1 | 50 | <.1 | 1 | <10 | -- | -- |
| 29... | 1255 | 1 | 6800 | 3 | 1600 | <.1 | 1 | 10 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANS-PARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 25... | 1230 | 9 | 80513 | 80513 | .00 | 68.0 | 32 | 7.0 | 25.0 | 84.0 |
| 25... | 1231 | 9 | 80513 | 80010 | 3.00 | 68.0 | 32 | 7.0 | 25.0 | -- |
| 25... | 1232 | 9 | 80513 | 80513 | 10.0 | 68.0 | 32 | 6.8 | 24.5 | -- |
| 25... | 1234 | 9 | 80513 | 80513 | 20.0 | 68.0 | 34 | 6.4 | 23.5 | -- |
| 25... | 1236 | 9 | 80513 | 80513 | 22.0 | 68.0 | 34 | 6.0 | 22.5 | -- |
| 25... | 1238 | 9 | 80513 | 80513 | 25.0 | 68.0 | 42 | 6.0 | 21.5 | -- |
| 25... | 1240 | 9 | 80513 | 80513 | 26.0 | 68.0 | 42 | 6.0 | 20.5 | -- |
| 25... | 1242 | 9 | 80513 | 80513 | 27.0 | 68.0 | 40 | 6.0 | 19.5 | -- |
| 25... | 1244 | 9 | 80513 | 80513 | 28.0 | 68.0 | 40 | 6.0 | 18.5 | -- |
| 25... | 1246 | 9 | 80513 | 80513 | 29.0 | 68.0 | 40 | 6.0 | 17.5 | -- |
| 25... | 1248 | 9 | 80513 | 80513 | 30.0 | 68.0 | 42 | 6.1 | 17.0 | -- |
| 25... | 1250 | 9 | 80513 | 80513 | 35.0 | 68.0 | 44 | 6.1 | 16.0 | -- |
| 25... | 1252 | 9 | 80513 | 80513 | 40.0 | 68.0 | 48 | 6.2 | 15.5 | -- |
| 25... | 1253 | 9 | 80513 | 80513 | 50.0 | 68.0 | 62 | 6.3 | 15.0 | -- |
| 25... | 1254 | 9 | 80513 | 80513 | 60.0 | 68.0 | 74 | 6.4 | 15.0 | -- |
| 25... | 1255 | 9 | 80513 | 80513 | 68.0 | 68.0 | 82 | 6.5 | 14.5 | -- |

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 25... | 1230 | 2.10 | 7.6 | 92 | 762 | -- | -- | -- | -- |
| 25... | 1231 | -- | 7.6 | 92 | 762 | .020 | <.010 | 3.00 | <.100 |
| 25... | 1232 | -- | 6.9 | -- | -- | -- | -- | -- | -- |
| 25... | 1234 | -- | 3.6 | -- | -- | -- | -- | -- | -- |
| 25... | 1236 | -- | 1.0 | -- | -- | -- | -- | -- | -- |
| 25... | 1238 | -- | .2 | -- | -- | -- | -- | -- | -- |
| 25... | 1240 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1242 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1244 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1246 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1248 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1250 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1252 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1253 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1254 | -- | .1 | -- | -- | -- | -- | -- | -- |
| 25... | 1255 | -- | .1 | -- | -- | -- | -- | -- | -- |

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, AR

LOCATION.--Lat 34°08'37", long 94°05'53", in sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam, 3.1 mi upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 11... | 1000 | 9 | 80513 | 80513 | 6.0 | 42 | 6.6 | 21.0 | 8.0 |
| NOV 03... | 0930 | 9 | 80513 | 80513 | 6.0 | 52 | 8.5 | 18.5 | 8.2 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1010 | 9 | 80513 | 80010 | 612 | 43 | 6.7 | 8.5 | 10.0 | 12.0 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1010 | 107 | 754 | 18 | 9.3 | 1.5 | 11 | 10 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1010 | 2.0 | 5.0 | 1.1 | 1.4 | 12 | 3.0 | 4.6 | 1.70 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1010 | .080 | .22 | .30 | 2.0 | .050 | .010 | 220 | 1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 12... | 1010 | 10 | 2 | 510 | 1 | 50 | <.1 | <1 | 10 |

07340992 SALINE RIVER BELOW DIERKS DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JAN 09... | 1030 | 9 | 80513 | 80010 | 17 | 38 | 7.7 | 6.0 | 13.2 |
| FEB 07... | 1400 | 9 | 80513 | 80513 | 17 | 44 | 7.1 | 6.0 | 11.6 |
| MAR 20... | 1430 | 9 | 80513 | 80513 | 722 | 40 | 6.8 | 9.0 | 11.6 |
| APR 10... | 1330 | 9 | 80513 | 80513 | 415 | 40 | 6.7 | 11.5 | 10.4 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 1315 | 9 | 80513 | 80010 | 699 | 37 | 6.7 | 28.0 | 14.0 | 10.0 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 1315 | 97 | 762 | 30 | 13 | 3.3 | 52 | 9 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 1315 | 2.1 | 5.0 | 1.0 | 1.0 | 10 | 3.9 | 2.0 | .400 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 1315 | .140 | .46 | .60 | 1.0 | .030 | .020 | 290 | <1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 09... | 1315 | 10 | 2 | 750 | 1 | 170 | <.1 | 3 | 10 |

07340992 SALINE RIVER BELOW DIERKS DAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 19... | 1300 | 9 | 80513 | 80513 | 15 | 38 | 6.9 | 26.5 | 6.8 |
| JUL 24... | 1300 | 9 | 80513 | 80513 | 15 | 38 | 6.9 | 27.0 | 7.2 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 1200 | 9 | 80513 | 80010 | 15 | 38 | 6.9 | 35.0 | 24.5 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 1200 | 7.0 | 84 | 758 | 2 | 1.5 | .7 | 2 | 13 |

| DATE | TIME | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 29... | 1200 | 3.8 | 2.2 | <.100 | .010 | <.010 | 70 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|
| AUG 29... | 1200 | 1 | 630 | 1 | 130 | .1 | 2 | 10 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 25... | 1200 | 9 | 80513 | 80513 | 12 | 38 | 6.8 | 24.5 | 8.3 |

## 07341200 SALINE RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°57'43", long 94°03'40", in NW 1/4 SE 1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on State Highway 24, 2.0 mi downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 $mi^2$.

### WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Some regulation since May 1975 by Dierks Lake (station 07340990), 26.6 mi upstream.

AVERAGE DISCHARGE.--21 years, 397 $ft^3/s$, 287,600 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, 6,650 $ft^3/s$ May 3, gage height, 16.11 ft, from rating curve extended as explained above; minimum daily, 5.7 ft3/s Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | 32 | 463 | 50 | 63 | 884 | 852 | 70 | 152 | 32 | 24 | 32 |
| 2 | 11 | 32 | 281 | 51 | 61 | 794 | 828 | 2340 | 148 | 31 | 28 | 26 |
| 3 | 11 | 31 | 1490 | 54 | 66 | 336 | 893 | 6250 | 145 | 29 | 84 | 25 |
| 4 | 11 | 16 | 1120 | 57 | 76 | 281 | 884 | 2990 | 143 | 28 | 40 | 25 |
| 5 | 11 | 9.0 | 308 | 58 | 70 | 314 | 1060 | 557 | 88 | 92 | 30 | 23 |
| 6 | 10 | 6.5 | 889 | 61 | 61 | 382 | 1040 | 1150 | 47 | 67 | 26 | 21 |
| 7 | 10 | 6.3 | 1110 | 58 | 57 | 198 | 1020 | 1080 | 46 | 39 | 34 | 18 |
| 8 | 10 | 6.1 | 1080 | 55 | 55 | 494 | 1000 | 916 | 49 | 31 | 36 | 17 |
| 9 | 10 | 6.7 | 1060 | 54 | 67 | 700 | 925 | 966 | 69 | 29 | 38 | 77 |
| 10 | 10 | 6.5 | 1060 | 265 | 103 | 210 | 736 | 919 | 41 | 27 | 88 | 153 |
| 11 | 10 | 6.7 | 1400 | 384 | 121 | 171 | 1110 | 889 | 37 | 26 | 67 | 51 |
| 12 | 13 | 7.1 | 950 | 433 | 2370 | 1170 | 614 | 870 | 36 | 30 | 43 | 28 |
| 13 | 13 | 7.4 | 831 | 407 | 2290 | 1540 | 1030 | 855 | 34 | 32 | 32 | 23 |
| 14 | 9.4 | 8.3 | 798 | 192 | 473 | 519 | 992 | 843 | 32 | 28 | 34 | 21 |
| 15 | 7.5 | 8.8 | 770 | 166 | 639 | 872 | 930 | 830 | 30 | 27 | 27 | 21 |
| 16 | 5.9 | 9.1 | 729 | 161 | 532 | 888 | 907 | 797 | 423 | 26 | 16 | 38 |
| 17 | 5.7 | 8.8 | 468 | 157 | 801 | 1420 | 874 | 369 | 649 | 26 | 13 | 30 |
| 18 | 100 | 8.0 | 451 | 110 | 797 | 1220 | 552 | 311 | 416 | 26 | 13 | 21 |
| 19 | 34 | 24 | 435 | 79 | 816 | 526 | 197 | 131 | 83 | 25 | 11 | 19 |
| 20 | 19 | 165 | 122 | 74 | 761 | 700 | 139 | 236 | 32 | 25 | 11 | 18 |
| 21 | 15 | 84 | 85 | 70 | 734 | 949 | 227 | 820 | 30 | 25 | 18 | 18 |
| 22 | 25 | 178 | 108 | 69 | 708 | 927 | 243 | 622 | 29 | 24 | 18 | 23 |
| 23 | 25 | 265 | 103 | 81 | 695 | 896 | 136 | 702 | 28 | 24 | 26 | 28 |
| 24 | 18 | 329 | 82 | 167 | 686 | 1190 | 547 | 820 | 33 | 24 | 47 | 25 |
| 25 | 15 | 264 | 70 | 290 | 676 | 488 | 323 | 596 | 36 | 24 | 27 | 20 |
| 26 | 50 | 245 | 60 | 275 | 752 | 310 | 249 | 193 | 36 | 47 | 23 | 21 |
| 27 | 149 | 252 | 59 | 256 | 1610 | 2770 | 118 | 107 | 41 | 35 | 22 | 24 |
| 28 | 150 | 288 | 61 | 245 | 506 | 5540 | 82 | 121 | 36 | 27 | 22 | 24 |
| 29 | 95 | 480 | 62 | 238 | 755 | 1560 | 76 | 174 | 31 | 25 | 22 | 22 |
| 30 | 34 | 482 | 58 | 227 | --- | 807 | 72 | 141 | 32 | 23 | 90 | 22 |
| 31 | 32 | --- | 50 | 94 | --- | 902 | --- | 157 | --- | 22 | 67 | --- |
| TOTAL | 930.5 | 3272.3 | 16613 | 4938 | 17401 | 29958 | 18656 | 27822 | 3032 | 976 | 1077 | 914 |
| MEAN | 30.0 | 109 | 536 | 159 | 600 | 966 | 622 | 897 | 101 | 31.5 | 34.7 | 30.5 |
| MAX | 150 | 482 | 1490 | 433 | 2370 | 5540 | 1110 | 6250 | 649 | 92 | 90 | 153 |
| MIN | 5.7 | 6.1 | 50 | 50 | 55 | 171 | 72 | 70 | 28 | 22 | 11 | 17 |
| AC-FT | 1850 | 6490 | 32950 | 9790 | 34510 | 59420 | 37000 | 55180 | 6010 | 1940 | 2140 | 1810 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 191409.8 | MEAN | 524 | MAX | 17700 | MIN | 5.7 | AC-FT | 379700 |
| WTR YR 1984 | TOTAL | 125589.8 | MEAN | 343 | MAX | 6250 | MIN | 5.7 | AC-FT | 249100 |

## 07341300 MILLWOOD LAKE NEAR ASHDOWN, AR

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwod Dam on Little River, 9.2 mi east of Ashdown, 9.6 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 $mi^2$.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 12... | 0930 | 9 | 80513 | 80513 | .00 | 30.0 | 41 | 7.0 |
| 12... | 0932 | 9 | 80513 | 80513 | 10.0 | 30.0 | 41 | 6.9 |
| 12... | 0934 | 9 | 80513 | 80513 | 20.0 | 30.0 | 41 | 6.9 |
| 12... | 0935 | 9 | 80513 | 80513 | 30.0 | 30.0 | 41 | 6.8 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| OCT | | | | | | | |
| 12... | 0930 | 27.0 | 26.4 | .70 | 7.6 | 96 | 755 |
| 12... | 0932 | 27.0 | -- | -- | 6.9 | -- | -- |
| 12... | 0934 | 26.5 | -- | -- | 2.3 | -- | -- |
| 12... | 0935 | 26.5 | -- | -- | 1.1 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| NOV | | | | | | | | |
| 02... | 1100 | 9 | 80513 | 80513 | .00 | 33.0 | 67 | 7.0 |
| 02... | 1102 | 9 | 80513 | 80513 | 10.0 | 33.0 | 67 | 7.0 |
| 02... | 1103 | 9 | 80513 | 80513 | 20.0 | 33.0 | 68 | 6.8 |
| 02... | 1104 | 9 | 80513 | 80513 | 30.0 | 33.0 | 68 | 6.8 |
| 02... | 1105 | 9 | 80513 | 80513 | 33.0 | 33.0 | 68 | 6.7 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| NOV | | | | | | | |
| 02... | 1100 | 18.0 | 61.2 | 1.60 | 8.4 | 88 | 765 |
| 02... | 1102 | 17.5 | -- | -- | 7.3 | -- | -- |
| 02... | 1103 | 17.5 | -- | -- | 7.0 | -- | -- |
| 02... | 1104 | 17.5 | -- | -- | 6.7 | -- | -- |
| 02... | 1105 | 17.0 | -- | -- | 6.7 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1250 | 9 | 80513 | 80513 | .00 | 34.0 | 66 | 7.4 | 6.0 | 9.5 | 31.2 |
| 13... | 1254 | 9 | 80513 | 80010 | 3.00 | 34.0 | -- | -- | -- | -- | -- |
| 13... | 1255 | 9 | 80513 | 80010 | 7.00 | 34.0 | 67 | 7.4 | -- | 9.5 | -- |
| 13... | 1256 | 9 | 80513 | 80513 | 10.0 | 34.0 | 67 | 7.4 | -- | 9.5 | -- |
| 13... | 1258 | 9 | 80513 | 80513 | 20.0 | 34.0 | 67 | 7.4 | -- | 9.5 | -- |
| 13... | 1300 | 9 | 80513 | 80010 | 27.0 | 34.0 | 69 | 7.4 | -- | 9.5 | -- |
| 13... | 1303 | 9 | 80513 | 80513 | 30.0 | 34.0 | 70 | 7.4 | -- | 9.5 | -- |
| 13... | 1305 | 9 | 80513 | 80513 | 34.0 | 34.0 | 73 | 7.4 | -- | 9.5 | -- |

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1250 | .80 | 10.2 | 91 | 748 | -- | -- | -- | 6 | -- | -- |
| 13... | 1254 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 13... | 1255 | -- | 10.2 | 91 | 748 | 38 | 16 | 1.1 | -- | 15 | 0 |
| 13... | 1256 | -- | 10.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 1258 | -- | 10.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 1300 | -- | 10.2 | 91 | 748 | 35 | 17 | .7 | -- | 15 | 0 |
| 13... | 1303 | -- | 10.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 13... | 1305 | -- | 10.0 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1255 | 0 | 4.0 | 10 | 1.2 | 1.4 | 15 | 4.0 | 8.1 | .300 |
| 13... | 1300 | 0 | 3.9 | 10 | 1.2 | 1.3 | 16 | 4.0 | 8.3 | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1255 | .110 | .19 | .30 | .60 | .050 | .020 | 430 | 1 | 20 |
| 13... | 1300 | .220 | .18 | .40 | .70 | .050 | .020 | 410 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1254 | -- | -- | -- | -- | -- | -- | -- | 2.10 | .600 |
| 13... | 1255 | 5 | 740 | 7 | 40 | <.1 | 1 | 40 | -- | -- |
| 13... | 1300 | 8 | 830 | 5 | 30 | <.1 | 1 | 50 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | |
| 10... | 1100 | 9 | 80513 | 80513 | .00 | 32.0 | 40 | 7.4 |
| 10... | 1102 | 9 | 80513 | 80513 | 10.0 | 32.0 | 40 | 7.4 |
| 10... | 1105 | 9 | 80513 | 80513 | 20.0 | 32.0 | 40 | 7.4 |
| 10... | 1107 | 9 | 80513 | 80513 | 30.0 | 32.0 | 40 | 7.5 |
| 10... | 1110 | 9 | 80513 | 80513 | 32.0 | 32.0 | 40 | 7.5 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JAN | | | | | | | |
| 10... | 1100 | 4.0 | 40.8 | 1.00 | 10.6 | 81 | 762 |
| 10... | 1102 | 4.0 | -- | -- | 10.4 | -- | -- |
| 10... | 1105 | 4.0 | -- | -- | 10.4 | -- | -- |
| 10... | 1107 | 4.0 | -- | -- | 10.0 | -- | -- |
| 10... | 1110 | 4.0 | -- | -- | 10.0 | -- | -- |

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | |
| 08... | 1000 | 9 | 80513 | 80513 | .00 | 32.0 | 66 | 7.3 |
| 08... | 1002 | 9 | 80513 | 80513 | 10.0 | 32.0 | 66 | 7.3 |
| 08... | 1003 | 9 | 80513 | 80513 | 20.0 | 32.0 | 66 | 7.3 |
| 08... | 1004 | 9 | 80513 | 80513 | 30.0 | 32.0 | 66 | 7.3 |
| 08... | 1005 | 9 | 80513 | 80513 | 32.0 | 32.0 | 66 | 7.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| FEB | | | | | | | |
| 08... | 1000 | 6.0 | 21.6 | .60 | 12.0 | 95 | 769 |
| 08... | 1002 | 6.0 | -- | -- | 12.0 | -- | -- |
| 08... | 1003 | 6.0 | -- | -- | 12.0 | -- | -- |
| 08... | 1004 | 6.0 | -- | -- | 12.0 | -- | -- |
| 08... | 1005 | 6.0 | -- | -- | 12.0 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| MAR | | | | | | | | |
| 21... | 1000 | 9 | 80513 | 80513 | .00 | 35.0 | 48 | 7.3 |
| 21... | 1002 | 9 | 80513 | 80513 | 10.0 | 35.0 | 48 | 7.2 |
| 21... | 1003 | 9 | 80513 | 80513 | 20.0 | 35.0 | 48 | 7.2 |
| 21... | 1004 | 9 | 80513 | 80513 | 30.0 | 35.0 | 48 | 7.2 |
| 21... | 1005 | 9 | 80513 | 80513 | 35.0 | 35.0 | 48 | 7.2 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| MAR | | | | | | | |
| 21... | 1000 | 12.0 | 9.6 | .20 | 9.6 | 90 | 754 |
| 21... | 1002 | 11.5 | -- | -- | 9.8 | -- | -- |
| 21... | 1003 | 11.5 | -- | -- | 10.2 | -- | -- |
| 21... | 1004 | 11.5 | -- | -- | 10.2 | -- | -- |
| 21... | 1005 | 11.5 | -- | -- | 10.2 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | |
| 11... | 0730 | 9 | 80513 | 80513 | .00 | 35.0 | 30 | 6.4 |
| 11... | 0732 | 9 | 80513 | 80513 | 10.0 | 35.0 | 42 | 6.5 |
| 11... | 0734 | 9 | 80513 | 80513 | 20.0 | 35.0 | 44 | 6.5 |
| 11... | 0737 | 9 | 80513 | 80513 | 30.0 | 35.0 | 46 | 6.5 |
| 11... | 0740 | 9 | 80513 | 80513 | 35.0 | 35.0 | 38 | 6.5 |

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| APR | | | | | | | |
| 11... | 0730 | 15.0 | 19.2 | .50 | 8.8 | 88 | 757 |
| 11... | 0732 | 15.0 | -- | -- | 8.6 | -- | -- |
| 11... | 0734 | 15.0 | -- | -- | 8.6 | -- | -- |
| 11... | 0737 | 15.0 | -- | -- | 8.6 | -- | -- |
| 11... | 0740 | 15.0 | -- | -- | 8.6 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 10... | 1030 | 9 | 80513 | 80513 | .00 | 38.0 | 48 | 6.6 | 26.0 | 20.0 | 26.4 |
| 10... | 1031 | 9 | 80513 | 80010 | 3.00 | 38.0 | -- | -- | -- | -- | -- |
| 10... | 1035 | 9 | 80513 | 80010 | 7.50 | 38.0 | 48 | 6.5 | -- | 20.0 | -- |
| 10... | 1036 | 9 | 80513 | 80513 | 10.0 | 38.0 | 48 | 6.5 | -- | 20.0 | -- |
| 10... | 1037 | 9 | 80513 | 80513 | 20.0 | 38.0 | 46 | 6.5 | -- | 19.5 | -- |
| 10... | 1040 | 9 | 80513 | 80010 | 30.0 | 38.0 | 46 | 6.6 | -- | 19.5 | -- |
| 10... | 1045 | 9 | 80513 | 80513 | 38.0 | 38.0 | 46 | 6.8 | -- | 19.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 10... | 1030 | .70 | 6.8 | 74 | 766 | -- | -- | -- | 7 | -- | -- |
| 10... | 1031 | -- | -- | -- | 766 | -- | -- | -- | -- | -- | -- |
| 10... | 1035 | -- | 6.6 | 72 | 766 | 65 | 23 | 2.1 | -- | 16 | 2 |
| 10... | 1036 | -- | 6.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10... | 1037 | -- | 6.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10... | 1040 | -- | 6.4 | 69 | 766 | 70 | 21 | 1.5 | -- | 17 | 1 |
| 10... | 1045 | -- | 6.4 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 10... | 1035 | 2 | 4.9 | 12 | .90 | 1.5 | 14 | 5.6 | 2.3 | .100 |
| 10... | 1040 | 1 | 5.4 | 14 | .90 | 1.5 | 16 | 5.9 | 2.5 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 10... | 1035 | .060 | .54 | .60 | .70 | .060 | .020 | 550 | 1 | 20 |
| 10... | 1040 | .050 | .45 | .50 | -- | .060 | .010 | 470 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 10... | 1031 | -- | -- | -- | -- | -- | -- | -- | 2.20 | <.100 |
| 10... | 1035 | 1 | 870 | 1 | 60 | <.1 | 4 | 20 | -- | -- |
| 10... | 1040 | 3 | 890 | 1 | 70 | .1 | 4 | <10 | -- | -- |

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) |
|---|---|---|---|---|---|---|---|---|
| JUN | | | | | | | | |
| 20... | 1400 | 9 | 80513 | 80513 | .00 | 35.0 | 60 | 7.4 |
| 20... | 1402 | 9 | 80513 | 80513 | 10.0 | 35.0 | 60 | 7.4 |
| 20... | 1404 | 9 | 80513 | 80513 | 13.0 | 35.0 | 60 | 6.6 |
| 20... | 1406 | 9 | 80513 | 80513 | 14.0 | 35.0 | 60 | 6.6 |
| 20... | 1408 | 9 | 80513 | 80513 | 15.0 | 35.0 | 60 | 6.6 |
| 20... | 1410 | 9 | 80513 | 80513 | 18.0 | 35.0 | 60 | 6.5 |
| 20... | 1412 | 9 | 80513 | 80513 | 20.0 | 35.0 | 60 | 6.4 |
| 20... | 1414 | 9 | 80513 | 80513 | 30.0 | 35.0 | 60 | 6.3 |
| 20... | 1415 | 9 | 80513 | 80513 | 35.0 | 35.0 | 62 | 6.3 |

| DATE | TIME | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|
| JUN | | | | | | | |
| 20... | 1400 | 31.0 | 40.8 | 1.00 | 6.8 | 91 | 768 |
| 20... | 1402 | 30.0 | -- | -- | 7.1 | -- | -- |
| 20... | 1404 | 29.0 | -- | -- | 4.1 | -- | -- |
| 20... | 1406 | 28.0 | -- | -- | 3.5 | -- | -- |
| 20... | 1408 | 27.0 | -- | -- | 3.0 | -- | -- |
| 20... | 1410 | 26.0 | -- | -- | 1.6 | -- | -- |
| 20... | 1412 | 25.0 | -- | -- | 1.1 | -- | -- |
| 20... | 1414 | 25.0 | -- | -- | 1.0 | -- | -- |
| 20... | 1415 | 24.5 | -- | -- | .7 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 25... | 1200 | 9 | 80513 | 80513 | .00 | 35.0 | 72 | 7.4 | 30.0 | 36.0 |
| 25... | 1202 | 9 | 80513 | 80010 | 3.00 | 35.0 | 72 | 7.4 | 30.0 | -- |
| 25... | 1204 | 9 | 80513 | 80513 | 10.0 | 35.0 | 72 | 7.1 | 29.0 | -- |
| 25... | 1206 | 9 | 80513 | 80513 | 18.0 | 35.0 | 72 | 6.7 | 28.0 | -- |
| 25... | 1208 | 9 | 80513 | 80513 | 20.0 | 35.0 | 72 | 6.5 | 27.5 | -- |
| 25... | 1210 | 9 | 80513 | 80513 | 30.0 | 35.0 | 72 | 6.5 | 27.5 | -- |
| 25... | 1215 | 9 | 80513 | 80513 | 35.0 | 35.0 | 72 | 6.5 | 27.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 25... | 1200 | .90 | 6.8 | 90 | 760 | -- | -- | -- | -- | -- |
| 25... | 1202 | -- | 6.7 | 89 | 760 | <.100 | .030 | <.010 | 3.30 | <.100 |
| 25... | 1204 | -- | 6.4 | -- | -- | -- | -- | -- | -- | -- |
| 25... | 1206 | -- | 4.4 | -- | -- | -- | -- | -- | -- | -- |
| 25... | 1208 | -- | 4.1 | -- | -- | -- | -- | -- | -- | -- |
| 25... | 1210 | -- | 4.1 | -- | -- | -- | -- | -- | -- | -- |
| 25... | 1215 | -- | 4.2 | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 30... | 1330 | 9 | 80513 | 80513 | .00 | 35.0 | 64 | 7.9 | 36.0 | 26.0 |
| 30... | 1331 | 9 | 80513 | 80010 | 3.00 | 35.0 | 64 | 7.9 | -- | 25.5 |
| 30... | 1335 | 9 | 80513 | 80010 | 35.0 | 7.0 | 64 | 7.4 | -- | 25.0 |
| 30... | 1337 | 9 | 80513 | 80513 | 10.0 | 35.0 | 64 | 7.1 | -- | 24.5 |
| 30... | 1339 | 9 | 80513 | 80513 | 20.0 | 35.0 | 64 | 7.0 | -- | 24.0 |
| 30... | 1340 | 9 | 80513 | 80010 | 35.0 | 28.0 | 64 | 7.0 | -- | 24.0 |
| 30... | 1342 | 9 | 80513 | 80513 | 30.0 | 35.0 | 64 | 7.0 | -- | 24.0 |
| 30... | 1345 | 9 | 80513 | 80513 | 35.0 | 35.0 | 64 | 7.0 | -- | 24.0 |

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 30... | 1330 | 21.6 | .60 | 7.0 | 86 | 767 | -- | -- | -- | 5 |
| 30... | 1331 | -- | -- | 7.0 | 85 | 767 | -- | -- | -- | -- |
| 30... | 1335 | -- | -- | 5.5 | 66 | 767 | 7 | 5.5 | 2.0 | -- |
| 30... | 1337 | -- | -- | 5.2 | -- | -- | -- | -- | -- | -- |
| 30... | 1339 | -- | -- | 5.2 | -- | -- | -- | -- | -- | -- |
| 30... | 1340 | -- | -- | 5.1 | 60 | 767 | 5 | 3.5 | 1.7 | -- |
| 30... | 1342 | -- | -- | 5.0 | -- | -- | -- | -- | -- | -- |
| 30... | 1345 | -- | -- | 5.0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 30... | 1335 | 19 | 3.8 | 6.4 | <.100 | .030 | <.010 | 190 | 2 | 10 |
| 30... | 1340 | 20 | 3.8 | 6.4 | <.100 | .020 | .010 | 260 | 2 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 30... | 1331 | -- | -- | -- | -- | -- | -- | -- | 4.00 | <.100 |
| 30... | 1335 | 1 | 680 | 1 | 300 | <.1 | 6 | 10 | -- | -- |
| 30... | 1340 | 1 | 860 | 1 | 240 | <.1 | 5 | <10 | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | |
| 26... | 0800 | 9 | 80513 | 80513 | .00 | 35.0 | 62 | 7.0 | 25.0 | 26.4 |
| 26... | 0801 | 9 | 80513 | 80010 | 3.00 | 35.0 | 62 | 7.0 | 25.0 | -- |
| 26... | 0802 | 9 | 80513 | 80513 | 10.0 | 35.0 | 62 | 6.9 | 24.5 | -- |
| 26... | 0804 | 9 | 80513 | 80513 | 20.0 | 35.0 | 62 | 6.8 | 24.0 | -- |
| 26... | 0806 | 9 | 80513 | 80513 | 25.0 | 35.0 | 62 | 6.8 | 23.0 | -- |
| 26... | 0808 | 9 | 80513 | 80513 | 30.0 | 35.0 | 62 | 6.7 | 23.0 | -- |
| 26... | 0810 | 9 | 80513 | 80513 | 35.0 | 35.0 | 62 | 6.7 | 23.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | |
| 26... | 0800 | .70 | 7.2 | 86 | 771 | -- | -- | -- | -- |
| 26... | 0801 | -- | 7.2 | 86 | 771 | .170 | .040 | 7.70 | <.100 |
| 26... | 0802 | -- | 6.8 | -- | -- | -- | -- | -- | -- |
| 26... | 0804 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 26... | 0806 | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 26... | 0808 | -- | 6.2 | -- | -- | -- | -- | -- | -- |
| 26... | 0810 | -- | 6.0 | -- | -- | -- | -- | -- | -- |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam, 9.2 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 $mi^2$.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1980.
WATER TEMPERATURES: October 1979 to September 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 0900 | 9 | 80513 | 80010 | 200 | 59 | 7.2 | 20.0 | 7.6 | 84 | 755 |

| DATE | TIME | TURBIDITY (NTU) (00076) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 0900 | 22 | K8 | 52 | 18 | 0 | 0 | 4.8 | 1.4 | 4.4 | 33 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 0900 | .5 | 1.4 | 18 | 5.3 | 5.3 | <.10 | 9.8 | 48 | 44 | .07 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 0900 | <.100 | .120 | .50 | .050 | .010 | .030 | <10 | 1 | 35 | <.5 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 0900 | <1 | 1 | <3 | <1 | 42 | 2 | <4 | <1 | <.1 |

| 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) | 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 12... | 0900 | <10 | <1 | <1 | <1 | 48 | 7 | 55 | 30 | 88 |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV 02... | 1030 | 9 | 80513 | 80513 | 197 | 65 | 6.8 | 19.0 | 8.8 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 1200 | 9 | 80513 | 80010 | 10800 | 66 | 7.3 | 6.5 | 9.5 | 12.0 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 1200 | 107 | 749 | 42 | 20 | 1.2 | 2 | 15 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 1200 | 4.0 | 10 | 1.2 | 1.4 | 15 | 5.0 | 7.1 | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 1200 | .360 | -.06 | .30 | .60 | .080 | .110 | 550 | 1 |

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 13... | 1200 | 10 | 4 | 1000 | 5 | 40 | <.1 | 1 | 20 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | 9 | 80513 | 80010 | 1660 | 40 | 7.5 | 4.0 | 13.6 | 104 | 762 |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TURBIDITY (NTU) (00076) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | 75 | 8 | 140 | 13 | 0 | 0 | 3.2 | 1.1 | 2.9 | 31 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | .4 | 1.1 | 14 | 5.5 | .60 | .10 | 6.5 | 46 | 30 | .06 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | .170 | .090 | .50 | .070 | .020 | .010 | <10 | 1 | 14 | <.5 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | <1 | <1 | <3 | 1 | 160 | 1 | <4 | 12 | <.1 |

| 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) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | SEDIMENT, SUSPENDED (MG/L) (80154) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 10... | 0930 | <10 | 1 | <1 | <1 | 23 | <3 | 126 | 565 | 97 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| FEB 08... | 0930 | 9 | 80513 | 80513 | 2400 | 64 | 7.4 | 6.0 | 13.8 |
| MAR 21... | 0930 | 9 | 80513 | 80513 | 15600 | 48 | 7.2 | 11.5 | 12.0 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 11... | 0700 | 9 | 80513 | 80010 | 13400 | 40 | 6.8 | 15.0 | 10.0 | 100 | 759 |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | TURBIDITY (NTU) (00076) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 11... | 0700 | 14 | 10 | 21 | 13 | 2 | 2 | 3.6 | .98 | 3.0 | 31 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 11... | 0700 | .4 | 1.0 | 11 | 4.9 | 3.7 | <.10 | 6.9 | 30 | 31 | .04 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 11... | 0700 | .170 | .100 | 1.2 | .410 | .030 | <.010 | 40 | 1 | 15 | <.5 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR 11... | 0700 | <1 | <1 | <3 | 6 | 180 | 2 | <4 | 24 | <.1 |

| 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) | 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 11... | 0700 | <10 | 1 | <1 | <1 | 26 | 10 | 21 | 761 | 60 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 10... | 0945 | 9 | 80513 | 80010 | 24200 | 48 | 6.8 | 21.0 | 19.0 | 7.7 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 10... | 0945 | 83 | 766 | 55 | 21 | 2.0 | 23 | 16 | 2 | 2 |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937) | ALKA-LINITY 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, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 10... | 0945 | 4.9 | 12 | 1.0 | 1.5 | 14 | 5.6 | 2.6 | .100 |

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 10... | 0945 | .100 | .50 | .60 | .70 | .060 | .040 | 580 | 1 |

| DATE | TIME | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| MAY 10... | 0945 | 20 | 3 | 1000 | <1 | 80 | <.1 | 5 | 10 |

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| JUN 20... | 1300 | 9 | 80513 | 80513 | 808 | 64 | 7.1 | 29.5 | 8.0 |

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | 9 | 80513 | 80010 | 1200 | 79 | 7.3 | 28.5 | 7.7 | 100 | 760 |

| DATE | TIME | 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 (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | 1.0 | 9 | 210 | 20 | 2 | 2 | 5.8 | 1.4 | 4.5 | 31 |

| DATE | TIME | SODIUM AD-SORP-TION RATIO (00931) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | .5 | 1.3 | 18 | 9.3 | 6.7 | <.10 | 4.2 | 50 | 44 | .07 |

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | <.100 | <.010 | .50 | .030 | <.010 | .010 | 10 | 1 | 13 | 1 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | <1 | 1 | <3 | 5 | 25 | 2 | <4 | 2 | <.1 |

| 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) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 25... | 0900 | <10 | 3 | <1 | <1 | 56 | 13 | 2 | 6.5 | 50 |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 30... | 1300 | 9 | 80513 | 80010 | 405 | 64 | 7.3 | 36.0 | 26.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 30... | 1300 | 8.0 | 98 | 767 | 3 | 4.2 | 2.6 | 47 | 20 |

| DATE | TIME | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 30... | 1300 | 4.0 | 6.8 | <.100 | .020 | .010 | 220 | 2 | <10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|
| AUG 30... | 1300 | 1 | 730 | 4 | 220 | <.1 | 5 | 10 |

RED RIVER BASIN

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| SEP 26... | 0730 | 9 | 80513 | 80513 | 6660 | 64 | 7.1 | 23.5 | 8.2 |

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°14'32", long 93°59'58", in SE 1/4 SE 1/4 sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi south of Texarkana.

DRAINAGE AREA.--3,540 $mi^2$.

PERIOD OF RECORD.--October 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1981.
WATER TEMPERATURES: July 1979 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | TEMPERATURE (DEG C) (00010) | BAROMETRIC PRESSURE (MM OF HG) (00025) | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | TURBIDITY (NTU) (00076) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1230 | 9 | 21.5 | 760 | 80513 | 80010 | 184 | 38 | 353 | 6.7 | 76 |
| JAN 10... | 1130 | 9 | 7.5 | 760 | 80513 | 80010 | 358 | 17 | 160 | 12.2 | 102 |
| APR 11... | 1130 | 9 | 15.0 | 758 | 80513 | 80010 | 6270 | 37 | 284 | 8.5 | 85 |
| JUL 25... | 1400 | 9 | 30.0 | 760 | 80513 | 80010 | 291 | 27 | 225 | 8.1 | 108 |

| DATE | TIME | PH (STANDARD UNITS) (00400) | PH LAB (STANDARD UNITS) (00403) | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1230 | 7.7 | 7.4 | 3.5 | .160 | .70 | .20 | .09 | .110 | .040 | .030 |
| JAN 10... | 1130 | 7.5 | 7.1 | 4.0 | .070 | 1.4 | .20 | .06 | .070 | .030 | .020 |
| APR 11... | 1130 | 7.8 | 7.5 | 2.3 | .180 | 1.4 | .22 | .15 | 1.70 | .080 | .050 |
| JUL 25... | 1400 | 7.4 | 7.4 | 5.7 | .060 | 1.2 | <.10 | .06 | .130 | .020 | .020 |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | SODIUM ADSORPTION RATIO (00931) | PERCENT SODIUM (00932) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SULFATE DISSOLVED (MG/L AS SO4) (00945) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1230 | 96 | 6 | 32 | 3.9 | 19 | .9 | 29 | 3.6 | 21 | 19 |
| JAN 10... | 1130 | 84 | 18 | 28 | 3.4 | 23 | 1 | 36 | 3.0 | 23 | 24 |
| APR 11... | 1130 | 86 | 11 | 30 | 2.7 | 21 | 1 | 33 | 4.3 | 21 | 25 |
| JUL 25... | 1400 | 76 | 2 | 25 | 3.1 | 13 | .7 | 26 | 3.6 | 12 | 18 |

| DATE | TIME | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 12... | 1230 | .20 | 9.5 | 1 | 85 | <.5 | <1 | <1 | <3 | <1 | 15 |
| JAN 10... | 1130 | .10 | 7.1 | 1 | 59 | <.5 | <1 | <1 | <3 | 1 | 58 |
| APR 11... | 1130 | .20 | 8.3 | 1 | 59 | <.5 | <1 | <1 | <3 | 6 | 180 |
| JUL 25... | 1400 | .30 | .2 | 2 | 54 | 1.0 | <1 | 1 | <3 | 3 | 7 |

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | LEAD, DIS-SOLVED (UG/L AS PB) (01049) | 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) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106) | LITHIUM DIS-SOLVED (UG/L AS LI) (01130) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | |
| 12... | 1230 | 1 | 2 | <10 | <1 | <1 | 270 | <6 | 5 | <10 | 6 |
| JAN | | | | | | | | | | | |
| 10... | 1130 | 1 | 24 | <10 | 1 | <1 | 230 | <6 | <3 | 20 | <4 |
| APR | | | | | | | | | | | |
| 11... | 1130 | 2 | 40 | <10 | 1 | <1 | 240 | <6 | 38 | 50 | 5 |
| JUL | | | | | | | | | | | |
| 25... | 1400 | 1 | 4 | <10 | 2 | <1 | 250 | <6 | <3 | 10 | 4 |

| DATE | TIME | SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673) | 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) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 12... | 1230 | <1 | 61 | 98 | 175 | 160 | 87 | .24 | 90 | .21 |
| JAN | | | | | | | | | | |
| 10... | 1130 | <1 | 41 | 280 | 235 | 150 | 227 | .32 | 80 | .09 |
| APR | | | | | | | | | | |
| 11... | 1130 | <1 | 49 | 320 | 158 | 160 | 2670 | .21 | 88 | .23 |
| JUL | | | | | | | | | | |
| 25... | 1400 | <1 | 12 | 38 | 154 | 120 | 121 | .21 | 80 | .08 |

| DATE | TIME | PHOS-PHORUS TOTAL (MG/L AS PO4) (71886) | MERCURY DIS-SOLVED (UG/L AS HG) (71890) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155) | DRAIN-AGE AREA (SQ. MI.) (81024) | SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | LAB ID NUMBER (UNITS) (99998) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 12... | 1230 | .34 | <.1 | 81 | 40 | 3540 | 282 | 90 | 6 | 3290053 |
| JAN | | | | | | | | | | |
| 10... | 1130 | .21 | <.1 | 23 | 22 | 3540 | 276 | 66 | 18 | 4013025 |
| APR | | | | | | | | | | |
| 11... | 1130 | 5.2 | <.1 | 52 | 880 | 3540 | 274 | 75 | 11 | 4107036 |
| JUL | | | | | | | | | | |
| 25... | 1400 | -- | .1 | 69 | 54 | 3540 | 225 | 74 | 2 | 4215023 |

## 07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1110 | 9 | 9827 | 9827 | 27 | 7.6 | 25.0 | 21.0 | 7.5 | .9 | 68 |
| NOV | | | | | | | | | | | |
| 08... | 1430 | 9 | 9827 | 9827 | 25 | 7.6 | 20.0 | 16.0 | 6.0 | 3.2 | 63 |
| DEC | | | | | | | | | | | |
| 13... | 1230 | 9 | 9827 | 9827 | 56 | 7.0 | 8.0 | 9.0 | 30 | 6.2 | 43 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1220 | 9 | 9827 | 9827 | 36 | 7.1 | 10.0 | 4.0 | -- | 6.7 | 45 |
| FEB | | | | | | | | | | | |
| 14... | 1230 | 9 | 9827 | 9827 | 133 | 6.8 | 24.0 | 11.0 | 110 | 6.5 | 57 |
| MAR | | | | | | | | | | | |
| 13... | 1215 | 9 | 9827 | 9827 | 520 | 6.4 | 20.0 | 12.0 | 50 | 7.2 | 38 |
| APR | | | | | | | | | | | |
| 10... | 1230 | 9 | 9827 | 9827 | 56 | 7.0 | 22.0 | 18.0 | 20 | 4.6 | 47 |
| MAY | | | | | | | | | | | |
| 15... | 1215 | 9 | 9827 | 9827 | 31 | 7.4 | 27.0 | 25.0 | 9.0 | 6.2 | -- |
| JUN | | | | | | | | | | | |
| 12... | 1210 | 9 | 9827 | 9827 | 28 | 7.4 | 29.0 | 28.0 | 20 | -- | 54 |
| JUL | | | | | | | | | | | |
| 17... | 1240 | 9 | 9827 | 9827 | 27 | 7.6 | 30.0 | 29.0 | 20 | 3.1 | 61 |
| AUG | | | | | | | | | | | |
| 14... | 1230 | 9 | 9827 | 9827 | 27 | 7.5 | 30.0 | 26.0 | 8.0 | 1.3 | 63 |
| SEP | | | | | | | | | | | |
| 11... | 1200 | 9 | 9827 | 9827 | 30 | 7.2 | 30.0 | 26.0 | -- | 2.1 | 60 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1110 | 14 | -- | 48 | 150 | 464 | .63 | 8 | .03 | -- | -- |
| NOV | | | | | | | | | | | |
| 08... | 1430 | -- | 1900 | 39 | 130 | 437 | .59 | 6 | .05 | -- | -- |
| DEC | | | | | | | | | | | |
| 13... | 1230 | 7.6 | 670 | 23 | 58 | 213 | .29 | 18 | .56 | 2.90 | -1.9 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1220 | 10 | 28 | 33 | 61 | 239 | .33 | 8 | .39 | -- | -- |
| FEB | | | | | | | | | | | |
| 14... | 1230 | 6.0 | 1800 | 19 | 28 | 151 | .21 | 41 | .75 | 1.10 | -- |
| MAR | | | | | | | | | | | |
| 13... | 1215 | 5.7 | 630 | 10 | 17 | 121 | .16 | 41 | .64 | .640 | 1.7 |
| APR | | | | | | | | | | | |
| 10... | 1230 | 6.4 | 2000 | 18 | 34 | 171 | .23 | 17 | .39 | 3.10 | 1.7 |
| MAY | | | | | | | | | | | |
| 15... | 1215 | 13 | 3200 | 46 | 150 | 432 | .59 | 23 | .13 | 9.40 | 5.6 |
| JUN | | | | | | | | | | | |
| 12... | 1210 | 11 | -- | 55 | 230 | 587 | .80 | 38 | .06 | 12.3 | -6.3 |
| JUL | | | | | | | | | | | |
| 17... | 1240 | -- | 5800 | 45 | 110 | 395 | .54 | 19 | .11 | 8.90 | 3.1 |
| AUG | | | | | | | | | | | |
| 14... | 1230 | 19 | 600 | 38 | 96 | 362 | .49 | 20 | -- | 14.2 | .80 |
| SEP | | | | | | | | | | | |
| 11... | 1200 | 6.0 | 1000 | 30 | 67 | 258 | .35 | 13 | .16 | 5.70 | 1.3 |

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1110 | -- | -- | -- | 3.75 | 2.95 | -- | 0 | 3 | 36 | 27 |
| NOV | | | | | | | | | | | |
| 08... | 1430 | 17 | 17 | 75 | -- | 2.70 | <5 | 0 | 7 | -- | 17 |
| DEC | | | | | | | | | | | |
| 13... | 1230 | 1.0 | 1.6 | 6.9 | .700 | -- | -- | 0 | 5 | 22 | 19 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1220 | 12 | 12 | 55 | 1.50 | .560 | -- | 0 | 5 | 23 | -- |
| FEB | | | | | | | | | | | |
| 14... | 1230 | -- | -- | -- | .510 | .230 | 5 | 0 | 3 | 34 | 16 |
| MAR | | | | | | | | | | | |
| 13... | 1215 | 2.3 | 2.9 | 13 | .370 | .150 | -- | 0 | -- | 22 | 12 |
| APR | | | | | | | | | | | |
| 10... | 1230 | 4.8 | 5.2 | 23 | .700 | .360 | <5 | 0 | 4 | 25 | 21 |
| MAY | | | | | | | | | | | |
| 15... | 1215 | 15 | 15 | 67 | 1.50 | 1.00 | -- | 0 | 6 | 53 | 17 |
| JUN | | | | | | | | | | | |
| 12... | 1210 | 6.0 | 6.1 | 27 | 1.92 | 1.05 | -- | 0 | 2 | -- | -- |
| JUL | | | | | | | | | | | |
| 17... | 1240 | 12 | 12 | 54 | 2.30 | 1.80 | -- | 0 | 5 | 49 | -- |
| AUG | | | | | | | | | | | |
| 14... | 1230 | 15 | -- | -- | 3.00 | 2.30 | 5 | 0 | 4 | 27 | 23 |
| SEP | | | | | | | | | | | |
| 11... | 1200 | 7.0 | 7.2 | 32 | 1.15 | 1.05 | -- | 0 | 1 | 55 | 27 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 08... | 1430 | <5 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC, 1983 | | | | | | | | | | | |
| 13... | 1230 | -- | 100 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1220 | -- | -- | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| FEB | | | | | | | | | | | |
| 14... | 1230 | <5 | 120 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | | |
| 13... | 1215 | -- | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 10... | 1230 | <5 | 120 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAY | | | | | | | | | | | |
| 15... | 1215 | -- | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 1230 | <5 | 80 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | | |
| 11... | 1200 | -- | 60 | -- | -- | -- | -- | -- | -- | -- | -- |

## 07344350 RED RIVER NEAR SPRING BANK, AR

LOCATION.--Lat 33°05'29", long 93°51'38", in NW 1/4 sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi west of Spring Bank.

DRAINAGE AREA.--56,909 $mi^2$.

PERIOD OF RECORD.--October 1968 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1200 | 9 | 9827 | 9827 | 2500 | 7.9 | 23.0 | 21.0 | 35 | 8.0 | 23 |
| NOV | | | | | | | | | | | |
| 08... | 1300 | 9 | 9827 | 9827 | 25000 | 7.9 | 22.0 | 17.0 | 180 | 7.9 | 38 |
| DEC | | | | | | | | | | | |
| 13... | 1330 | 9 | 9827 | 9827 | 12000 | 7.4 | 8.0 | 10.0 | 80 | 9.0 | 36 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | 9 | 9827 | 9827 | 9800 | 7.7 | 10.0 | 4.0 | -- | 12.7 | 27 |
| FEB | | | | | | | | | | | |
| 14... | 1320 | 9 | 9827 | 9827 | 8700 | 7.5 | 24.0 | 12.0 | 190 | 8.7 | 43 |
| MAR | | | | | | | | | | | |
| 13... | 1300 | 9 | 9827 | 9827 | 19000 | 7.5 | 20.0 | 12.0 | 85 | 9.5 | 39 |
| APR | | | | | | | | | | | |
| 10... | 1315 | 9 | 9827 | 9827 | 33000 | 7.5 | 20.0 | 16.0 | 85 | 7.1 | 34 |
| MAY | | | | | | | | | | | |
| 15... | 1330 | 9 | 9827 | 9827 | 35000 | 7.7 | 32.0 | 25.0 | 85 | 8.2 | 27 |
| JUN | | | | | | | | | | | |
| 12... | 1310 | 9 | 9827 | 9827 | 4900 | 7.9 | 29.0 | 29.0 | 30 | -- | 23 |
| JUL | | | | | | | | | | | |
| 17... | 1400 | 9 | 9827 | 9827 | 5600 | 8.1 | 32.0 | 30.0 | 30 | 7.6 | 29 |
| AUG | | | | | | | | | | | |
| 14... | 1310 | 9 | 9827 | 9827 | 4200 | 7.8 | 30.0 | 28.0 | 35 | 6.1 | 28 |
| SEP | | | | | | | | | | | |
| 11... | 1300 | 9 | 9827 | 9827 | 2700 | 7.9 | 30.0 | 28.0 | -- | 8.2 | 34 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1200 | 3.9 | -- | 84 | 110 | 467 | .64 | 40 | .28 | -- | -- |
| NOV | | | | | | | | | | | |
| 08... | 1300 | 1.9 | 16 | 88 | 200 | 730 | .99 | 265 | .34 | .330 | .17 |
| DEC | | | | | | | | | | | |
| 13... | 1330 | 2.6 | 520 | 37 | 52 | 244 | .33 | 108 | .27 | .170 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | 2.1 | 4 | 42 | 57 | 254 | .35 | 62 | .30 | -- | -- |
| FEB | | | | | | | | | | | |
| 14... | 1320 | 3.8 | 860 | 33 | 46 | 248 | .34 | 239 | .28 | .150 | -- |
| MAR | | | | | | | | | | | |
| 13... | 1300 | 2.1 | 370 | 37 | 52 | 277 | .38 | 95 | .36 | .170 | 1.0 |
| APR .. | 1315 | 1.4 | 40 | 28 | 35 | 238 | .32 | 117 | .23 | .100 | 1.0 |
| MAY. | | | | | | | | | | | |
| 15... | 1330 | 2.5 | 10 | 31 | 34 | 188 | .26 | 174 | .15 | .040 | .26 |
| JUN | 1310 | 3.0 | <10 | 89 | 110 | 472 | .64 | 68 | .10 | .070 | 1.0 |
| JUL... | | | | | | | | | | | |
| 17... | 1400 | 3.9 | 20 | 100 | 140 | 516 | .70 | 41 | .12 | .030 | .77 |
| AUG | | | | | | | | | | | |
| 14... | 1310 | 5.0 | 110 | 31 | 47 | 241 | .33 | 42 | -- | .160 | .94 |
| SEP | | | | | | | | | | | |
| 11... | 1300 | 4.7 | 10 | 120 | 190 | 669 | .91 | 33 | .28 | <.010 | -- |

07344350 RED RIVER NEAR SPRING BANK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 1200 | .30 | .58 | 2.6 | .160 | .030 | -- | 0 | 2 | 37 | 23 |
| NOV | | | | | | | | | | | |
| 08... | 1300 | .50 | .84 | 3.7 | -- | .070 | 5 | 0 | 15 | -- | 14 |
| DEC | | | | | | | | | | | |
| 13... | 1330 | <.10 | -- | -- | .190 | -- | -- | 0 | 7 | 39 | 17 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | <.10 | -- | -- | .110 | .050 | -- | 0 | 4 | 12 | -- |
| FEB | | | | | | | | | | | |
| 14... | 1320 | -- | -- | -- | .270 | .070 | 15 | 0 | 10 | 10 | 18 |
| MAR | | | | | | | | | | | |
| 13... | 1300 | 1.2 | 1.6 | 6.9 | .210 | .100 | -- | 0 | -- | 21 | 13 |
| APR | | | | | | | | | | | |
| 10... | 1315 | 1.1 | 1.3 | 5.9 | .140 | .100 | <5 | 0 | 6 | 32 | 23 |
| MAY | | | | | | | | | | | |
| 15... | 1330 | .30 | .45 | 2.0 | .160 | .040 | -- | 0 | 5 | <10 | 46 |
| JUN | | | | | | | | | | | |
| 12... | 1310 | 1.1 | 1.2 | 5.3 | .180 | .020 | -- | 0 | 1 | -- | -- |
| JUL | | | | | | | | | | | |
| 17... | 1400 | .80 | .92 | 4.1 | .110 | .030 | -- | 0 | 1 | 33 | -- |
| AUG | | | | | | | | | | | |
| 14... | 1310 | 1.1 | -- | -- | .190 | .080 | <5 | 0 | 4 | 19 | 17 |
| SEP | | | | | | | | | | | |
| 11... | 1300 | .90 | 1.2 | 5.2 | .110 | .030 | -- | 0 | <1 | 10 | 41 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 08... | 1300 | <5 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC, 1983 | | | | | | | | | | | |
| 13... | 1330 | -- | 70 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | | | |
| 17... | 1330 | -- | -- | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| FEB | | | | | | | | | | | |
| 14... | 1320 | <5 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | | |
| 13... | 1300 | -- | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 10... | 1315 | <5 | 90 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAY | | | | | | | | | | | |
| 15... | 1330 | -- | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 1310 | <5 | 30 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | | |
| 11... | 1300 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- |

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR

LOCATION.--Lat 33°05'53", long 93°22'53", in SE 1/4 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 $mi^2$.

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, DECEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | | |
| 06... | 1200 | 9 | 9827 | 9827 | 146 | 5.3 | 9.0 | 11.0 | 9.0 | 7.3 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1300 | 9 | 9827 | 9827 | 235 | 5.4 | 6.0 | 3.0 | 7.8 | 11.7 |
| FEB | | | | | | | | | | |
| 21... | 1252 | 9 | 9827 | 9827 | 1210 | 5.2 | 17.0 | 10.0 | 5.8 | 8.6 |
| APR | | | | | | | | | | |
| 24... | 1227 | 9 | 9827 | 9827 | 626 | 5.6 | 31.0 | 19.0 | 9.2 | 7.5 |
| MAY | | | | | | | | | | |
| 22... | 1235 | 9 | 9827 | 9827 | 37 | -- | 26.0 | 21.0 | 15 | 3.7 |
| JUN | | | | | | | | | | |
| 19... | 1300 | 9 | 9827 | 9827 | 5.8 | 6.4 | 34.0 | 26.0 | 8.4 | 2.5 |
| AUG | | | | | | | | | | |
| 28... | 1315 | 9 | 9827 | 9827 | 71 | -- | 29.0 | 25.0 | 7.0 | 5.9 |
| SEP | | | | | | | | | | |
| 25... | 1322 | 9 | 9827 | 9827 | 1.4 | 6.5 | 32.0 | 28.0 | 4.5 | .9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| DEC, 1983 | | | | | | | | | |
| 06... | 1200 | 2.5 | 340 | 8.0 | 39 | 131 | .18 | 10 | .02 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1300 | 1.7 | 44 | 8.0 | 42 | 135 | .18 | 5 | .05 |
| FEB | | | | | | | | | |
| 21... | 1252 | -- | 20 | 6.0 | 42 | 129 | .18 | 4 | .02 |
| APR | | | | | | | | | |
| 24... | 1227 | 2.5 | 50 | 6.0 | 35 | 127 | .17 | 10 | .04 |
| MAY | | | | | | | | | |
| 22... | 1235 | 1.3 | 70 | 6.0 | 39 | -- | -- | 12 | .06 |
| JUN | | | | | | | | | |
| 19... | 1300 | 2.1 | 10 | 8.0 | 45 | 151 | .21 | 6 | .16 |
| AUG | | | | | | | | | |
| 28... | 1315 | 1.2 | 30 | 6.0 | 59 | 168 | .23 | 8 | <.01 |
| SEP | | | | | | | | | |
| 25... | 1322 | -- | -- | 8.0 | 53 | 141 | .19 | 2 | .03 |

RED RIVER BASIN

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR--CONTINUED

WATER QUALITY DATA, DECEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| DEC , 1983 | | | | | | | | | |
| 06... | 1200 | .040 | .040 | <.010 | 0 | 2 | 29 | -- | 40 |
| JAN , 1984 | | | | | | | | | |
| 24... | 1300 | .040 | .020 | <.010 | 0 | 11 | -- | -- | -- |
| FEB | | | | | | | | | |
| 21... | 1252 | .010 | .040 | .020 | -- | 4 | 24 | 28 | 40 |
| APR | | | | | | | | | |
| 24... | 1227 | .020 | .110 | .020 | 1 | <1 | 37 | 15 | 50 |
| MAY | | | | | | | | | |
| 22... | 1235 | .230 | .080 | .030 | 0 | 2 | 39 | -- | -- |
| JUN | | | | | | | | | |
| 19... | 1300 | .130 | -- | .040 | 0 | <1 | 38 | -- | 40 |
| AUG | | | | | | | | | |
| 28... | 1315 | <.010 | .050 | .020 | 0 | -- | -- | -- | 60 |
| SEP | | | | | | | | | |
| 25... | 1322 | .100 | .080 | .020 | 0 | <1 | 32 | 50 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 28... | 1315 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07349440 BODCAU CREEK NEAR LEWISVILLE, AR

LOCATION.--Lat 33°15'42", long 93°33'05", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1300 | 9 | 9827 | 9827 | 6.6 | 25.0 | 22.0 | 20 | 6.9 | 2.3 |
| NOV | | | | | | | | | | |
| 15... | 1145 | 9 | 9827 | 9827 | 6.7 | 20.0 | 16.0 | 8.0 | 3.1 | 1.4 |
| DEC | | | | | | | | | | |
| 06... | 1308 | 9 | 9827 | 9827 | 5.6 | 9.0 | 11.0 | 15 | 5.7 | 2.1 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1332 | 9 | 9827 | 9827 | 5.6 | 7.0 | 3.0 | 4.8 | 11.8 | 1.6 |
| FEB | | | | | | | | | | |
| 21... | 1336 | 9 | 9827 | 9827 | 5.5 | 17.0 | 12.0 | 8.5 | 8.6 | -- |
| MAR | | | | | | | | | | |
| 20... | 1300 | 9 | 9827 | 9827 | 5.7 | 15.0 | 16.0 | 7.4 | 5.0 | 1.3 |
| APR | | | | | | | | | | |
| 24... | 1300 | 9 | 9827 | 9827 | 6.0 | 31.0 | 20.0 | 9.2 | 6.0 | 2.3 |
| MAY | | | | | | | | | | |
| 22... | 1300 | 9 | 9827 | 9827 | -- | 27.0 | 23.0 | 20 | 4.6 | .6 |
| JUN | | | | | | | | | | |
| 19... | 1337 | 9 | 9827 | 9827 | 6.3 | 30.0 | 28.0 | 6.8 | 5.6 | 2.5 |
| JUL | | | | | | | | | | |
| 31... | 1430 | 9 | 9827 | 9827 | 6.4 | 30.0 | 25.0 | 8.5 | 5.9 | 2.3 |
| AUG | | | | | | | | | | |
| 28... | 1345 | 9 | 9827 | 9827 | -- | 28.0 | 25.0 | 8.0 | 4.1 | 1.4 |
| SEP | | | | | | | | | | |
| 25... | 1350 | 9 | 9827 | 9827 | 6.6 | 33.0 | 25.0 | 8.0 | 4.3 | 1.6 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, 1983 | | | | | | | | | | |
| 18... | 1300 | -- | 7.0 | 96 | 222 | .30 | 22 | .03 | -- | .090 |
| NOV | | | | | | | | | | |
| 15... | 1145 | 44 | 2.0 | 78 | 196 | .27 | 6 | .01 | <.010 | .050 |
| DEC | | | | | | | | | | |
| 06... | 1308 | 170 | 9.0 | 66 | 182 | .25 | 8 | .03 | .040 | .070 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1332 | 20 | 9.0 | 57 | 157 | .21 | 4 | .10 | .020 | .040 |
| FEB | | | | | | | | | | |
| 21... | 1336 | 4 | 7.0 | 25 | 103 | .14 | 3 | .05 | .010 | .070 |
| MAR | | | | | | | | | | |
| 20... | 1300 | 660 | 6.0 | 20 | 87 | .12 | 6 | .02 | .010 | .050 |
| APR | | | | | | | | | | |
| 24... | 1300 | 40 | 5.0 | 24 | 103 | .14 | 7 | .08 | .050 | .150 |
| MAY | | | | | | | | | | |
| 22... | 1300 | 45 | 4.0 | 38 | -- | -- | 18 | .23 | .120 | .150 |
| JUN | | | | | | | | | | |
| 19... | 1337 | 4 | 4.0 | 98 | 247 | .34 | <1 | .15 | .050 | -- |
| JUL | | | | | | | | | | |
| 31... | 1430 | 28 | -- | 55 | 158 | .21 | 10 | -- | -- | .120 |
| AUG | | | | | | | | | | |
| 28... | 1345 | 60 | 6.0 | 55 | 166 | .23 | 10 | .12 | .090 | .190 |
| SEP | | | | | | | | | | |
| 25... | 1350 | 48 | 6.0 | 38 | 114 | .16 | 9 | .07 | .030 | .150 |

07349440 BODCAU CREEK NEAR LEWISVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1300 | .010 | -- | 0 | <1 | 30 | 20 | -- | -- |
| NOV | | | | | | | | | |
| 15... | 1145 | .030 | <5 | 0 | <1 | 16 | 15 | <5 | 10 |
| DEC | | | | | | | | | |
| 06... | 1308 | .010 | -- | 0 | <1 | 31 | -- | -- | 40 |
| JAN, 1984 | | | | | | | | | |
| 24... | 1332 | .010 | -- | 0 | 2 | -- | -- | -- | -- |
| FEB | | | | | | | | | |
| 21... | 1336 | .030 | <5 | 0 | 1 | 34 | 29 | <5 | 40 |
| MAR | | | | | | | | | |
| 20... | 1300 | .040 | -- | 0 | <1 | 37 | 25 | -- | 40 |
| APR | | | | | | | | | |
| 24... | 1300 | .060 | <5 | 0 | 1 | 30 | 15 | <5 | 40 |
| MAY | | | | | | | | | |
| 22... | 1300 | .100 | -- | 0 | 2 | 42 | -- | -- | -- |
| JUN | | | | | | | | | |
| 19... | 1337 | .040 | -- | 0 | <1 | 24 | -- | -- | 40 |
| JUL | | | | | | | | | |
| 31... | 1430 | -- | <5 | 1 | <1 | 47 | 43 | <5 | 60 |
| AUG | | | | | | | | | |
| 28... | 1345 | .140 | -- | 0 | -- | -- | -- | -- | 60 |
| SEP | | | | | | | | | |
| 25... | 1350 | .090 | -- | 0 | 2 | 32 | 35 | -- | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1430 | .000 | .000 | <.010 | .000 | .000 | .00 | .00 | .0 |

## 07355825 PRAIRIE CREEK NEAR MENA, AR

LOCATION.--Lat 34°34'14" long 94°11'16", in NW 1/4 NE 1/4 sec.22, T.2 S., R.30 W., Polk County, Hydrologic Unit 08040101, on county road running between State Highways 8 and 88. 2 mi east of junction of county road and State Highway 8.

PERIOD OF RECORD.--November 1983 to August 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1045 | 9 | 9827 | 9827 | 7.2 | 12.0 | 10.0 | 30 | 8.8 |
| DEC | | | | | | | | | |
| 06... | 0930 | 9 | 9827 | 9827 | 6.8 | .0 | 7.0 | 25 | 10.6 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1040 | 9 | 9827 | 9827 | 6.9 | .0 | 4.0 | 40 | 11.9 |
| FEB | | | | | | | | | |
| 07... | 1020 | 9 | 9827 | 9827 | 7.1 | 13.0 | 4.0 | 9.0 | 12.6 |
| MAR | | | | | | | | | |
| 06... | 0940 | 9 | 9827 | 9827 | 6.9 | 10.0 | 8.0 | 20 | 12.0 |
| APR | | | | | | | | | |
| 17... | 1015 | 9 | 9827 | 9827 | 7.4 | 18.0 | 15.0 | 25 | 10.0 |
| MAY | | | | | | | | | |
| 15... | 0940 | 9 | 9827 | 9827 | 7.0 | 21.0 | 22.0 | 25 | 7.5 |
| JUN | | | | | | | | | |
| 12... | 0940 | 9 | 9827 | 9827 | 6.9 | 30.0 | 27.0 | 20 | 5.4 |
| JUL | | | | | | | | | |
| 24... | 0925 | 9 | 9827 | 9827 | 7.1 | 21.0 | 24.0 | 35 | 5.6 |
| AUG | | | | | | | | | |
| 28... | 1240 | 9 | 9827 | 9827 | 7.2 | 31.0 | 29.0 | 25 | 4.8 |
| SEP | | | | | | | | | |
| 25... | 1045 | 9 | 9827 | 9827 | -- | 26.0 | 24.0 | -- | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 1045 | 11 | 1500 | 28 | 21 | 173 | .24 | 47 | 1.3 |
| DEC | | | | | | | | | |
| 06... | 0930 | 3.1 | 1200 | 9.0 | 9.5 | 80 | .11 | 12 | .77 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1040 | 5.0 | 1000 | 11 | 9.5 | 93 | .13 | 22 | .55 |
| FEB | | | | | | | | | |
| 07... | 1020 | 12 | 56 | 15 | 11 | 95 | .13 | 19 | .66 |
| MAR | | | | | | | | | |
| 06... | 0940 | 8.7 | 70 | -- | 7.5 | 59 | .08 | 22 | -- |
| APR | | | | | | | | | |
| 17... | 1015 | 4.8 | 160 | 8.0 | 7.5 | 76 | .10 | 35 | .56 |
| MAY | | | | | | | | | |
| 15... | 0940 | 4.6 | 440 | 12 | 6.0 | 83 | .11 | 25 | .45 |
| JUN | | | | | | | | | |
| 12... | 0940 | -- | 130 | 9.0 | -- | 106 | .14 | -- | .56 |
| JUL | | | | | | | | | |
| 24... | 0925 | -- | 340 | -- | 11 | 96 | .13 | 58 | .16 |
| AUG | | | | | | | | | |
| 28... | 1240 | -- | 170 | 9.0 | 13 | 160 | .22 | 32 | .35 |
| SEP | | | | | | | | | |
| 25... | 1045 | -- | 260 | -- | -- | -- | -- | -- | -- |

07355825 PRAIRIE CREEK NEAR MENA, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV , 1983 | | | | | | | | | |
| 15... | 1045 | 1.10 | 2.55 | 1.60 | 0 | 1 | <10 | <1 | 0 |
| DEC | | | | | | | | | |
| 06... | 0930 | .820 | .500 | .420 | 0 | 2 | <10 | 2 | 0 |
| JAN , 1984 | | | | | | | | | |
| 10... | 1040 | .870 | .540 | .340 | 0 | -- | <10 | 1 | 0 |
| FEB | | | | | | | | | |
| 07... | 1020 | 1.35 | 1.26 | .900 | 0 | 1 | -- | 2 | -- |
| MAR | | | | | | | | | |
| 06... | 0940 | -- | -- | .490 | 0 | <1 | <10 | -- | 0 |
| APR | | | | | | | | | |
| 17... | 1015 | .070 | 1.40 | 1.00 | 0 | 1 | <10 | -- | 0 |
| MAY | | | | | | | | | |
| 15... | 0940 | .130 | 1.58 | 1.18 | 0 | 2 | -- | -- | 0 |
| JUN | | | | | | | | | |
| 12... | 0940 | .490 | 3.64 | 1.05 | 0 | <1 | <10 | 0 | 0 |
| JUL | | | | | | | | | |
| 24... | 0925 | .630 | 2.45 | 1.50 | 0 | 2 | <10 | 2 | 0 |
| AUG | | | | | | | | | |
| 28... | 1240 | 2.00 | 4.10 | 3.70 | 0 | <1 | <10 | 7 | 10 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 24... | 0925 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07356000 OUACHITA RIVER NEAR MOUNT IDA, AR

LOCATION.--Lat 34°36'36", long 93°41'50", in SE 1/4 SW 1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 $mi^2$.

### 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 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.--Records good except those for period of no gage-height record, Mar. 7 to Apr. 17, which are fair. As of August 1977, flow from 34.3 $mi^2$ upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,335 acre-ft is sediment storage.

AVERAGE DISCHARGE.--43 years, 714 $ft^3/s$, 23.42 in/yr, 517,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 $ft^3/s$ Dec. 3, 1982, gage height, 39.78 ft, from floodmarks; minimum, 2.3 $ft^3/s$ 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.--Maximum discharge, 10,400 $ft^3/s$ Dec. 3, at 1400 hours, gage height, 13.17 ft, no peak above base of 11,000 $ft^3/s$; minimum, 15 $ft^3/s$ Oct. 5-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18 | 41 | 468 | 164 | 307 | 1250 | 1150 | 290 | 219 | 41 | 142 | 28 |
| 2 | 18 | 40 | 1250 | 160 | 286 | 1020 | 940 | 2040 | 190 | 38 | 128 | 28 |
| 3 | 17 | 40 | 8560 | 162 | 271 | 865 | 1000 | 6900 | 169 | 40 | 272 | 32 |
| 4 | 16 | 38 | 3950 | 168 | 267 | 799 | 980 | 4390 | 154 | 36 | 195 | 25 |
| 5 | 16 | 37 | 1820 | 177 | 248 | 1160 | 880 | 2450 | 141 | 35 | 150 | 24 |
| 6 | 15 | 37 | 1300 | 185 | 222 | 964 | 700 | 2030 | 131 | 34 | 234 | 22 |
| 7 | 15 | 37 | 971 | 187 | 206 | 803 | 600 | 1510 | 123 | 34 | 131 | 20 |
| 8 | 15 | 37 | 789 | 176 | 196 | 750 | 650 | 1490 | 116 | 46 | 104 | 20 |
| 9 | 15 | 39 | 666 | 198 | 196 | 670 | 1600 | 1100 | 110 | 62 | 101 | 37 |
| 10 | 17 | 40 | 644 | 657 | 206 | 610 | 1300 | 881 | 103 | 54 | 132 | 61 |
| 11 | 20 | 39 | 2700 | 805 | 231 | 600 | 980 | 713 | 95 | 63 | 303 | 118 |
| 12 | 24 | 39 | 2280 | 658 | 5680 | 2700 | 820 | 587 | 87 | 101 | 230 | 104 |
| 13 | 24 | 39 | 1490 | 566 | 3880 | 3300 | 720 | 496 | 81 | 200 | 159 | 72 |
| 14 | 27 | 39 | 1010 | 487 | 1850 | 2400 | 600 | 420 | 74 | 157 | 126 | 56 |
| 15 | 26 | 39 | 785 | 432 | 1320 | 1500 | 520 | 362 | 70 | 108 | 104 | 55 |
| 16 | 25 | 39 | 651 | 397 | 1310 | 1100 | 440 | 324 | 65 | 85 | 89 | 44 |
| 17 | 32 | 37 | 563 | 365 | 1040 | 1300 | 400 | 294 | 62 | 111 | 78 | 38 |
| 18 | 70 | 37 | 494 | 339 | 891 | 1400 | 370 | 243 | 59 | 298 | 71 | 34 |
| 19 | 118 | 78 | 439 | 315 | 823 | 1400 | 351 | 218 | 58 | 298 | 62 | 32 |
| 20 | 102 | 815 | 395 | 271 | 700 | 1400 | 329 | 550 | 63 | 178 | 59 | 30 |
| 21 | 92 | 504 | 372 | 244 | 618 | 1200 | 757 | 831 | 60 | 131 | 53 | 29 |
| 22 | 86 | 289 | 352 | 224 | 554 | 980 | 1080 | 676 | 56 | 103 | 50 | 53 |
| 23 | 93 | 964 | 319 | 253 | 497 | 820 | 751 | 569 | 57 | 85 | 46 | 1030 |
| 24 | 94 | 1490 | 273 | 444 | 446 | 2400 | 620 | 482 | 66 | 92 | 43 | 606 |
| 25 | 75 | 806 | 252 | 508 | 399 | 2100 | 524 | 385 | 70 | 197 | 39 | 352 |
| 26 | 63 | 557 | 252 | 462 | 733 | 1500 | 447 | 324 | 54 | 366 | 36 | 890 |
| 27 | 56 | 564 | 208 | 429 | 5140 | 1600 | 402 | 291 | 50 | 338 | 34 | 844 |
| 28 | 51 | 920 | 202 | 399 | 2870 | 4000 | 359 | 319 | 51 | 426 | 33 | 589 |
| 29 | 47 | 729 | 203 | 374 | 1690 | 2900 | 331 | 417 | 49 | 509 | 32 | 434 |
| 30 | 44 | 552 | 196 | 347 | --- | 1900 | 318 | 320 | 45 | 270 | 38 | 342 |
| 31 | 42 | --- | 180 | 322 | --- | 1400 | --- | 255 | --- | 181 | 33 | --- |
| TOTAL | 1373 | 8962 | 34034 | 10875 | 33077 | 46791 | 20919 | 32157 | 2728 | 4717 | 3307 | 6049 |
| MEAN | 44.3 | 299 | 1098 | 351 | 1141 | 1509 | 697 | 1037 | 90.9 | 152 | 107 | 202 |
| MAX | 118 | 1490 | 8560 | 805 | 5680 | 4000 | 1600 | 6900 | 219 | 509 | 303 | 1030 |
| MIN | 15 | 37 | 180 | 160 | 196 | 600 | 318 | 218 | 45 | 34 | 32 | 20 |
| CFSM | .11 | .72 | 2.65 | .85 | 2.76 | 3.64 | 1.68 | 2.50 | .22 | .37 | .26 | .49 |
| IN. | .12 | .81 | 3.06 | .98 | 2.97 | 4.20 | 1.88 | 2.89 | .25 | .42 | .30 | .54 |
| AC-FT | 2720 | 17780 | 67510 | 21570 | 65610 | 92810 | 41490 | 63780 | 5410 | 9360 | 6560 | 12000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 260845 | MEAN | 715 | MAX | 15500 | MIN | 15 | CFSM | 1.73 | IN. | 23.44 | AC-FT | 517400 |
| WTR YR 1984 | TOTAL | 204989 | MEAN | 560 | MAX | 8560 | MIN | 15 | CFSM | 1.35 | IN. | 18.42 | AC-FT | 406600 |

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 0930 | 9 | 9827 | 9827 | -- | 16 | 81 | 7.2 | 25.0 | 23.0 | 3.2 |
| NOV | | | | | | | | | | | |
| 01... | 0900 | 9 | 9827 | 9827 | -- | 41 | 93 | 7.3 | 21.0 | 17.0 | 1.8 |
| 21... | 0900 | 9 | 9827 | 9827 | -- | 528 | -- | 7.0 | 19.0 | 13.0 | 25 |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 0900 | 9 | 9827 | 9827 | -- | 163 | 134 | 6.8 | .0 | .0 | 3.0 |
| 31... | 0910 | 9 | 9827 | 9827 | -- | 322 | 52 | 7.1 | 7.0 | 4.0 | 6.0 |
| FEB | | | | | | | | | | | |
| 28... | 0915 | 9 | 9827 | 9827 | -- | 2950 | 37 | 6.4 | 5.0 | 7.0 | 30 |
| APR | | | | | | | | | | | |
| 03... | 0855 | 9 | 9827 | 9827 | 1000 | -- | 39 | 6.6 | 11.0 | 12.0 | 8.0 |
| MAY | | | | | | | | | | | |
| 01... | 0920 | 9 | 9827 | 9827 | -- | 301 | 46 | 6.9 | 24.0 | 19.0 | 3.1 |
| 29... | 0922 | 9 | 9827 | 9827 | -- | 461 | 44 | 6.9 | 21.0 | 21.0 | 4.8 |
| JUL | | | | | | | | | | | |
| 10... | 0950 | 9 | 9827 | 9827 | -- | 52 | 61 | 7.1 | 38.0 | 30.0 | 3.0 |
| 12... | 1520 | 9 | 80513 | 80010 | -- | 124 | 71 | 7.0 | -- | 27.0 | -- |
| AUG | | | | | | | | | | | |
| 08... | 0915 | 9 | 9827 | 9827 | -- | 106 | 50 | 6.6 | 25.0 | 21.0 | 20 |
| SEP | | | | | | | | | | | |
| 04... | 0900 | 9 | 9827 | 9827 | -- | 26 | 66 | 7.2 | 26.0 | 25.0 | 3.0 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 0930 | 8.1 | -- | 6 | -- | 8 | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | | |
| 01... | 0900 | 9.2 | -- | 5 | 1.1 | 20 | -- | -- | -- | -- | -- |
| 21... | 0900 | 9.2 | -- | 14 | 2.6 | 1000 | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 0900 | 14.1 | -- | 2 | .6 | 8 | -- | -- | -- | -- | -- |
| 31... | 0910 | 12.6 | -- | 5 | .9 | 12 | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 28... | 0915 | 11.8 | -- | 9 | 1.6 | 1000 | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 03... | 0855 | 10.9 | -- | 3 | 1.2 | 140 | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 01... | 0920 | 9.3 | -- | 3 | 1.5 | <10 | -- | -- | -- | -- | -- |
| 29... | 0922 | 8.2 | -- | 5 | 1.3 | 140 | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 10... | 0950 | -- | -- | -- | -- | 44 | -- | -- | -- | -- | -- |
| 12... | 1520 | 7.2 | 763 | -- | -- | -- | 23 | 6 | 6 | 6.5 | 1.7 |
| AUG | | | | | | | | | | | |
| 08... | 0915 | 6.5 | -- | 11 | 1.4 | 56 | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | | |
| 04... | 0900 | 7.4 | -- | 4 | 1.9 | 20 | -- | -- | -- | -- | -- |

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | 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, DIS-SOLVED (TONS PER AC-FT) (70303) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 0930 | -- | -- | -- | -- | <1.0 | 4.0 | -- | -- | .06 | -- |
| NOV | | | | | | | | | | | |
| 01... | 0900 | -- | -- | -- | -- | 3.0 | 5.0 | -- | -- | .09 | -- |
| 21... | 0900 | -- | -- | -- | -- | 4.0 | 5.5 | -- | -- | .08 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 0900 | -- | -- | -- | -- | -- | 4.5 | -- | -- | .07 | -- |
| 31... | 0910 | -- | -- | -- | -- | 1.0 | 5.0 | -- | -- | .06 | -- |
| FEB | | | | | | | | | | | |
| 28... | 0915 | -- | -- | -- | -- | 5.0 | 3.5 | -- | -- | .07 | -- |
| APR | | | | | | | | | | | |
| 03... | 0855 | -- | -- | -- | -- | 3.0 | 1.5 | -- | -- | .03 | -- |
| MAY | | | | | | | | | | | |
| 01... | 0920 | -- | -- | -- | -- | 3.0 | 2.0 | -- | -- | .05 | -- |
| 29... | 0922 | -- | -- | -- | -- | 6.0 | 2.0 | -- | -- | .06 | -- |
| JUL | | | | | | | | | | | |
| 10... | 0950 | -- | -- | -- | -- | 4.0 | 5.5 | -- | -- | .07 | -- |
| 12... | 1520 | 2.0 | 15 | .2 | 1.2 | 10 | 2.6 | <.10 | 5.6 | .07 | 40 |
| AUG | | | | | | | | | | | |
| 08... | 0915 | -- | -- | -- | -- | <1.0 | 5.0 | -- | -- | .07 | -- |
| SEP | | | | | | | | | | | |
| 04... | 0900 | -- | -- | -- | -- | 3.0 | 5.5 | -- | -- | .06 | -- |

| DATE | TIME | SOLIDS, DIS-SOLVED (TONS PER DAY) (70302) | SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | 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, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | NITRO-GEN, TOTAL (MG/L AS NO3) (71887) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 0930 | 2.0 | 6 | .02 | -- | .030 | -- | <.10 | -- | -- | .020 |
| NOV | | | | | | | | | | | |
| 01... | 0900 | 7.1 | 1 | .01 | -- | .010 | -- | <.10 | -- | -- | .010 |
| 21... | 0900 | 86 | 18 | .29 | -- | -- | -- | .40 | .69 | 3.1 | .060 |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 0900 | 23 | 1 | .43 | -- | .020 | -- | <.10 | -- | -- | -- |
| 31... | 0910 | 36 | 1 | .23 | -- | .010 | 1.7 | 1.7 | 1.9 | 8.5 | .010 |
| FEB | | | | | | | | | | | |
| 28... | 0915 | 390 | 25 | .38 | -- | .090 | .71 | .80 | 1.2 | 5.2 | .080 |
| APR | | | | | | | | | | | |
| 03... | 0855 | 59 | 6 | .34 | -- | .020 | -- | <.10 | -- | -- | .040 |
| MAY | | | | | | | | | | | |
| 01... | 0920 | 32 | 4 | <.01 | -- | .020 | -- | -- | -- | -- | .020 |
| 29... | 0922 | 57 | 5 | .16 | -- | .080 | 1.0 | 1.1 | 1.3 | 5.6 | .040 |
| JUL | | | | | | | | | | | |
| 10... | 0950 | 6.9 | <1 | .03 | -- | .010 | -- | <.10 | -- | -- | -- |
| 12... | 1520 | 16 | -- | -- | .26 | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 08... | 0915 | 14 | 6 | .36 | -- | .040 | .26 | .30 | .66 | 2.9 | .070 |
| SEP | | | | | | | | | | | |
| 04... | 0900 | 3.1 | <1 | -- | -- | <.010 | -- | .20 | -- | -- | .020 |

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0930 | <.010 | -- | -- | -- | -- | -- | -- | 1 | <1 |
| NOV | | | | | | | | | | |
| 01... | 0900 | <.010 | -- | -- | <5 | -- | -- | -- | 0 | 2 |
| 21... | 0900 | .010 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0900 | .010 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| 31... | 0910 | <.010 | -- | -- | <5 | -- | -- | -- | -- | <1 |
| FEB | | | | | | | | | | |
| 28... | 0915 | .060 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| APR | | | | | | | | | | |
| 03... | 0855 | .010 | -- | -- | <5 | -- | -- | -- | 0 | <1 |
| MAY | | | | | | | | | | |
| 01... | 0920 | .010 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| 29... | 0922 | .020 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| JUL | | | | | | | | | | |
| 10... | 0950 | <.010 | -- | -- | -- | -- | -- | -- | 0 | <1 |
| 12... | 1520 | -- | 70 | <1 | 1 | <100 | <10 | <20 | 1 | 10 |
| AUG | | | | | | | | | | |
| 08... | 0915 | .030 | -- | -- | <5 | -- | -- | -- | 0 | 2 |
| SEP | | | | | | | | | | |
| 04... | 0900 | .010 | -- | -- | -- | -- | -- | -- | 0 | <1 |

| DATE | TIME | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 0930 | -- | -- | -- | -- | <1 | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 01... | 0900 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| 21... | 0900 | -- | <10 | -- | -- | 1 | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0900 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| 31... | 0910 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 28... | 0915 | -- | 13 | -- | -- | 1 | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 03... | 0855 | -- | 13 | -- | -- | <1 | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 01... | 0920 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| 29... | 0922 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 10... | 0950 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| 12... | 1520 | 2 | 6 | 300 | 120 | 1 | <10 | 40 | <.1 | <1 |
| AUG | | | | | | | | | | |
| 08... | 0915 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 04... | 0900 | -- | <10 | -- | -- | <1 | -- | -- | -- | -- |

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 0900 | -- | <5 | -- | -- | 0 | -- | -- | -- | -- |
| 21... | 0900 | -- | -- | -- | -- | 0 | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 03... | 0900 | -- | -- | -- | -- | 0 | -- | -- | -- | -- |
| 31... | 0910 | -- | <5 | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 28... | 0915 | -- | -- | -- | -- | 80 | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 03... | 0855 | -- | <5 | -- | -- | 0 | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 01... | 0920 | -- | -- | -- | -- | 0 | -- | -- | -- | -- |
| 29... | 0922 | -- | -- | -- | -- | 10 | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 10... | 0950 | -- | -- | -- | -- | 20 | -- | -- | -- | -- |
| 12... | 1520 | <1 | <1 | <1 | 90 | 10 | .0 | 2.6 | -- | -- |
| AUG | | | | | | | | | | |
| 08... | 0915 | -- | -- | -- | -- | 130 | -- | -- | .000 | .000 |
| SEP | | | | | | | | | | |
| 04... | 0900 | -- | -- | -- | -- | 0 | -- | -- | -- | -- |

| DATE | TIME | DDT, TOTAL (UG/L) (39370) | DI-ELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARA-THION, TOTAL (UG/L) (39600) | TOX-APHENE, TOTAL (UG/L) (39400) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | | |
| 12... | 1520 | -- | -- | -- | -- | -- | -- | 7 | 2.3 | 49 |
| AUG, 1984 | | | | | | | | | | |
| 08... | 0915 | .000 | .000 | .000 | .00 | <.01 | .0 | -- | -- | -- |

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°26'36", long 93°01'29", in sec.27, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at dam, 1.5 mi downstream from Hot Springs Creek, and 4.5 mi southeast of Hot Springs.

DRAINAGE AREA.--1,459 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1530 | 9 | 9827 | 9827 | 3560 | 6.4 | 27.0 | 19.0 | 2.8 | 4.0 |
| NOV | | | | | | | | | | |
| 01... | 1525 | 9 | 9827 | 9827 | .00 | 6.5 | 21.0 | 20.0 | 2.4 | 4.4 |
| 21... | 1545 | 9 | 9827 | 9827 | .00 | 6.7 | 25.0 | 16.0 | 3.0 | 9.3 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1430 | 9 | 9827 | 9827 | .00 | 6.9 | 15.0 | 7.0 | 3.0 | 11.9 |
| 31... | 1445 | 9 | 9827 | 9827 | 3220 | 7.1 | 20.0 | 7.0 | 2.0 | 12.3 |
| FEB | | | | | | | | | | |
| 28... | 1515 | 9 | 9827 | 9827 | 2710 | 6.9 | 18.0 | 9.0 | 4.0 | 11.5 |
| APR | | | | | | | | | | |
| 03... | 1500 | 9 | 9827 | 9827 | 9320 | 7.0 | 27.0 | 12.0 | 5.5 | 10.6 |
| MAY | | | | | | | | | | |
| 01... | 1530 | 9 | 9827 | 9827 | 4070 | 6.9 | 30.0 | 15.0 | 2.4 | 10.1 |
| 29... | 1530 | 9 | 9827 | 9827 | 2540 | 6.8 | 25.0 | 16.0 | 4.0 | 9.6 |
| JUL | | | | | | | | | | |
| 10... | 1620 | 9 | 9827 | 9827 | 3390 | 6.7 | 35.0 | 17.0 | 2.0 | -- |
| AUG | | | | | | | | | | |
| 07... | 1545 | 9 | 9827 | 9827 | 3730 | 6.6 | 35.0 | 19.0 | 2.0 | 3.9 |
| SEP | | | | | | | | | | |
| 04... | 1530 | 9 | 9827 | 9827 | 3390 | 7.1 | 30.0 | 25.0 | 4.5 | 8.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1530 | -- | 1400 | <1.0 | 3.0 | 36 | .05 | 3 | .10 |
| NOV | | | | | | | | | |
| 01... | 1525 | 2.0 | <4 | 3.0 | 5.5 | 52 | .07 | 2 | .29 |
| 21... | 1545 | 1.7 | 16 | 2.0 | 4.0 | 45 | .06 | 4 | .05 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1430 | .8 | <4 | -- | 4.0 | 46 | .06 | 1 | .15 |
| 31... | 1445 | .7 | <4 | 1.0 | 4.0 | 37 | .05 | 2 | .13 |
| FEB | | | | | | | | | |
| 28... | 1515 | 1.6 | 4 | 4.0 | 3.0 | 43 | .06 | 6 | .13 |
| APR | | | | | | | | | |
| 03... | 1500 | 1.1 | 40 | 4.0 | 1.5 | 26 | .04 | 5 | .13 |
| MAY | | | | | | | | | |
| 01... | 1530 | .6 | 10 | 4.0 | 2.5 | 45 | .06 | 3 | .11 |
| 29... | 1530 | 3.2 | 10 | 5.0 | 2.0 | 47 | .06 | 12 | .14 |
| JUL | | | | | | | | | |
| 10... | 1620 | -- | 44 | 5.0 | 5.5 | 40 | .05 | <1 | .14 |
| AUG | | | | | | | | | |
| 07... | 1545 | 1.1 | 24 | 6.0 | 4.0 | 39 | .05 | <1 | .15 |
| SEP | | | | | | | | | |
| 04... | 1530 | 4.7 | 48 | 7.0 | 6.5 | 49 | .07 | 5 | -- |

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1530 | .080 | .010 | <.010 | 0 | <1 | -- | <1 | -- |
| NOV | | | | | | | | | |
| 01... | 1525 | .280 | .230 | .200 | 0 | <1 | <10 | <1 | 10 |
| 21... | 1545 | -- | .010 | <.010 | 0 | <1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1430 | .040 | -- | <.010 | 0 | <1 | <10 | <1 | 10 |
| 31... | 1445 | <.010 | .010 | <.010 | -- | <1 | 11 | <1 | -- |
| FEB | | | | | | | | | |
| 28... | 1515 | .010 | .030 | .030 | -- | <1 | 14 | 1 | -- |
| APR | | | | | | | | | |
| 03... | 1500 | .060 | .040 | .010 | 0 | <1 | 16 | <1 | 0 |
| MAY | | | | | | | | | |
| 01... | 1530 | .050 | .020 | .010 | 0 | <1 | <10 | <1 | 0 |
| 29... | 1530 | .090 | .050 | .010 | 0 | <1 | <10 | 9 | 20 |
| JUL | | | | | | | | | |
| 10... | 1620 | .030 | -- | <.010 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 07... | 1545 | <.010 | <.010 | <.010 | 0 | <1 | <10 | <1 | 30 |
| SEP | | | | | | | | | |
| 04... | 1530 | .010 | .050 | <.010 | 0 | <1 | <10 | <1 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 04... | 1530 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07359500 OUACHITA RIVER NEAR MALVERN, AR

LOCATION.--Lat 34°23'10", long 92°50'20", in NW 1/4 sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84, 2.0 mi northwest of Malvern, 5.8 mi downstream from Remmel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft 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.

REMARKS.--Records good. 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.

AVERAGE DISCHARGE.--57 years (1925-26, 1928-84), 2,376 $ft^3/s$, 1,721,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 $ft^3/s$ May 15, 1923, gage height, 30.3 ft; minimum, 34 $ft^3/s$ May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 $ft^3/s$ Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,300 $ft^3/s$ May 2, gage height, 13.15 ft; minimum, 50 $ft^3/s$ Nov. 7, 11, gage height, 0.54 ft; minimum daily, 375 $ft^3/s$ Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 610 | 384 | 3240 | 3350 | 2310 | 2950 | 6830 | 3110 | 1570 | 452 | 461 | 466 |
| 2 | 415 | 375 | 4290 | 2510 | 2320 | 1470 | 7060 | 6100 | 1420 | 768 | 1180 | 439 |
| 3 | 1270 | 555 | 13300 | 1850 | 2320 | 2280 | 8520 | 12700 | 1600 | 456 | 2370 | 473 |
| 4 | 2010 | 686 | 9100 | 2130 | 2320 | 2060 | 7260 | 7690 | 1880 | 475 | 426 | 450 |
| 5 | 1300 | 439 | 5280 | 2310 | 2300 | 3580 | 4090 | 6800 | 2360 | 506 | 460 | 444 |
| 6 | 955 | 1120 | 2700 | 2340 | 2320 | 2380 | 5820 | 5180 | 2870 | 509 | 468 | 432 |
| 7 | 400 | 379 | 3280 | 2680 | 2340 | 1660 | 6870 | 6840 | 2270 | 569 | 516 | 456 |
| 8 | 465 | 490 | 3000 | 2540 | 2330 | 1350 | 7330 | 6080 | 1730 | 417 | 519 | 462 |
| 9 | 440 | 478 | 3380 | 1460 | 2330 | 1680 | 4940 | 5960 | 2440 | 600 | 448 | 628 |
| 10 | 605 | 589 | 3740 | 2370 | 2330 | 2660 | 3480 | 6130 | 2110 | 449 | 2710 | 1080 |
| 11 | 580 | 402 | 4530 | 2560 | 945 | 2270 | 3420 | 2480 | 1950 | 514 | 1040 | 792 |
| 12 | 815 | 405 | 3460 | 2520 | 7010 | 3080 | 3030 | 2790 | 3060 | 801 | 464 | 1200 |
| 13 | 425 | 425 | 4000 | 2130 | 4780 | 3440 | 3400 | 2180 | 2450 | 482 | 684 | 701 |
| 14 | 930 | 819 | 4210 | 2230 | 2370 | 3410 | 2920 | 3690 | 2420 | 658 | 566 | 511 |
| 15 | 410 | 414 | 4030 | 1390 | 2630 | 3410 | 1750 | 3260 | 3200 | 433 | 567 | 473 |
| 16 | 510 | 1630 | 3860 | 531 | 2840 | 3450 | 2690 | 3340 | 2630 | 534 | 435 | 438 |
| 17 | 1710 | 736 | 2910 | 1350 | 2750 | 3430 | 3010 | 2360 | 2320 | 594 | 452 | 443 |
| 18 | 1030 | 405 | 2840 | 1780 | 1830 | 3410 | 3060 | 3060 | 2130 | 498 | 449 | 586 |
| 19 | 677 | 1400 | 3380 | 1580 | 819 | 3410 | 3320 | 1730 | 2410 | 484 | 435 | 554 |
| 20 | 417 | 459 | 3380 | 2090 | 2200 | 3390 | 3360 | 1280 | 2830 | 581 | 459 | 464 |
| 21 | 519 | 651 | 2620 | 2300 | 2340 | 3380 | 2690 | 1820 | 2830 | 531 | 456 | 445 |
| 22 | 401 | 696 | 3390 | 1460 | 1830 | 3350 | 2890 | 2350 | 3150 | 483 | 450 | 453 |
| 23 | 781 | 2670 | 3380 | 1370 | 2120 | 3380 | 2940 | 3170 | 3020 | 770 | 465 | 448 |
| 24 | 1720 | 1280 | 3390 | 1610 | 820 | 3410 | 3040 | 3080 | 3090 | 571 | 474 | 1770 |
| 25 | 1830 | 1510 | 4170 | 2360 | 2430 | 3400 | 2760 | 2530 | 2470 | 538 | 505 | 2470 |
| 26 | 2840 | 1240 | 3460 | 2330 | 2490 | 3390 | 3010 | 2340 | 2300 | 712 | 490 | 474 |
| 27 | 2810 | 3980 | 3410 | 2120 | 6230 | 8970 | 3250 | 1900 | 1730 | 472 | 450 | 540 |
| 28 | 2120 | 3300 | 2910 | 2280 | 3390 | 10900 | 3330 | 2820 | 453 | 514 | 791 | 485 |
| 29 | 2190 | 2620 | 3360 | 2300 | 2760 | 8510 | 2230 | 2180 | 457 | 471 | 606 | 462 |
| 30 | 2020 | 2610 | 2870 | 1760 | --- | 8470 | 2750 | 397 | 469 | 526 | 557 | 583 |
| 31 | 594 | --- | 3070 | 2280 | --- | 7440 | --- | 1770 | --- | 503 | 470 | --- |
| TOTAL | 33799 | 33147 | 123940 | 63871 | 75804 | 119370 | 121050 | 117117 | 65619 | 16871 | 20823 | 19622 |
| MEAN | 1090 | 1105 | 3998 | 2060 | 2614 | 3851 | 4035 | 3778 | 2187 | 544 | 672 | 654 |
| MAX | 2840 | 3980 | 13300 | 3350 | 7010 | 10900 | 8520 | 12700 | 3200 | 801 | 2710 | 2470 |
| MIN | 400 | 375 | 2620 | 531 | 819 | 1350 | 1750 | 397 | 453 | 417 | 426 | 432 |
| AC-FT | 67040 | 65750 | 245800 | 126700 | 150400 | 236800 | 240100 | 232300 | 130200 | 33460 | 41300 | 38920 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 1010606 | MEAN | 2769 | MAX | 16200 | MIN | 300 | AC-FT | 2005000 |
| WTR YR 1984 | TOTAL | 811033 | MEAN | 2216 | MAX | 13300 | MIN | 375 | AC-FT | 1609000 |

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, October 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1440 | 9 | 9827 | 9827 | 3380 | 6.6 | 28.0 | 23.0 | 2.6 | 7.6 | 13 |
| NOV | | | | | | | | | | | |
| 01... | 1450 | 9 | 9827 | 9827 | 64 | 6.7 | 23.0 | 20.0 | 2.0 | 8.9 | 11 |
| 21... | 1510 | 9 | 9827 | 9827 | 470 | 6.9 | 25.0 | 16.0 | 2.0 | 9.8 | 13 |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1400 | 9 | 9827 | 9827 | 2850 | 6.6 | 15.0 | 8.0 | 4.0 | 12.3 | 9 |
| 31... | 1415 | 9 | 9827 | 9827 | 2280 | 7.3 | 20.0 | 5.0 | 3.0 | 13.6 | 9 |
| FEB | | | | | | | | | | | |
| 28... | 1440 | 9 | 9827 | 9827 | 3230 | 7.0 | 16.0 | 9.0 | 5.0 | 12.3 | 5 |
| APR | | | | | | | | | | | |
| 03... | 1425 | 9 | 9827 | 9827 | 7550 | 6.8 | 27.0 | 19.0 | 6.4 | 10.7 | 6 |
| MAY | | | | | | | | | | | |
| 01... | 1505 | 9 | 9827 | 9827 | 3060 | 7.2 | 30.0 | 16.0 | 3.8 | 11.2 | 11 |
| 29... | 1500 | 9 | 9827 | 9827 | 2440 | 7.2 | 25.0 | 18.0 | 30 | 10.8 | 10 |
| JUL | | | | | | | | | | | |
| 10... | 1600 | 9 | 9827 | 9827 | 64 | 6.9 | 35.0 | 30.0 | 2.0 | -- | -- |
| AUG | | | | | | | | | | | |
| 07... | 1520 | 9 | 9827 | 9827 | 67 | 6.7 | 35.0 | 27.0 | 3.0 | 8.2 | 13 |
| SEP | | | | | | | | | | | |
| 04... | 1500 | 9 | 9827 | 9827 | 58 | 7.0 | 33.0 | 20.0 | 3.0 | 8.4 | 10 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1440 | -- | 20 | <1.0 | 4.0 | 37 | .05 | 7 | .09 | .040 | .56 |
| NOV | | | | | | | | | | | |
| 01... | 1450 | 2.3 | <4 | 3.0 | 4.5 | 49 | .07 | 1 | .12 | .040 | .56 |
| 21... | 1510 | 1.6 | 4 | 4.0 | 5.0 | 49 | .07 | 1 | .15 | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1400 | 1.2 | 24 | -- | 4.5 | 51 | .07 | 3 | .20 | .060 | -- |
| 31... | 1415 | 1.6 | <4 | 7.0 | 6.0 | 47 | .06 | 4 | .17 | .050 | 2.5 |
| FEB | | | | | | | | | | | |
| 28... | 1440 | 1.7 | 12 | 8.0 | 6.0 | 50 | .07 | 8 | .20 | .110 | .59 |
| APR | | | | | | | | | | | |
| 03... | 1425 | 1.5 | 56 | 5.0 | 2.0 | 31 | .04 | 6 | .15 | .060 | .24 |
| MAY | | | | | | | | | | | |
| 01... | 1505 | 2.8 | <10 | 7.0 | 3.5 | 55 | .07 | 6 | .13 | .050 | -- |
| 29... | 1500 | 2.6 | 20 | 8.0 | 3.5 | 49 | .07 | 6 | .10 | .070 | 1.0 |
| JUL | | | | | | | | | | | |
| 10... | 1600 | -- | 24 | 7.0 | 5.5 | 45 | .06 | 1 | .10 | .010 | -- |
| AUG | | | | | | | | | | | |
| 07... | 1520 | 3.7 | 4 | 2.0 | 5.5 | 46 | .06 | 2 | .16 | .010 | .39 |
| SEP | | | | | | | | | | | |
| 04... | 1500 | 4.4 | 8 | 6.0 | 6.0 | 44 | .06 | 3 | -- | <.010 | -- |

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 04... | 1440 | .60 | .69 | 3.1 | .010 | .010 | -- | 59 | <1 | -- | <1 |
| NOV | | | | | | | | | | | |
| 01... | 1450 | .60 | .72 | 3.2 | .020 | .040 | <5 | 0 | 3 | <10 | 1 |
| 21... | 1510 | <.10 | -- | -- | .030 | .010 | -- | 0 | <1 | <10 | 1 |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1400 | <.10 | -- | -- | -- | .010 | -- | 0 | 1 | <10 | <1 |
| 31... | 1415 | 2.5 | 2.7 | 12 | .020 | .010 | <5 | -- | <1 | 10 | 2 |
| FEB | | | | | | | | | | | |
| 28... | 1440 | .70 | .90 | 4.0 | .070 | .060 | -- | 0 | <1 | <10 | 3 |
| APR | | | | | | | | | | | |
| 03... | 1425 | .30 | .45 | 2.0 | .040 | .020 | <5 | 0 | <1 | 10 | <1 |
| MAY | | | | | | | | | | | |
| 01... | 1505 | -- | -- | -- | .040 | .020 | -- | 0 | <1 | <10 | <1 |
| 29... | 1500 | 1.1 | 1.2 | 5.3 | .040 | .030 | -- | 0 | <1 | <10 | 1 |
| JUL | | | | | | | | | | | |
| 10... | 1600 | <.10 | -- | -- | -- | .010 | -- | 0 | <1 | <10 | 2 |
| AUG | | | | | | | | | | | |
| 07... | 1520 | .40 | .56 | 2.5 | .020 | <.010 | <5 | 0 | 3 | <10 | 2 |
| SEP | | | | | | | | | | | |
| 04... | 1500 | .40 | -- | -- | .040 | .010 | -- | 0 | <1 | <10 | 1 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1450 | <5 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1510 | -- | 30 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | | | |
| 03... | 1400 | -- | 60 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| 31... | 1415 | <5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 28... | 1440 | -- | 230 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 03... | 1425 | <5 | 60 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| MAY | | | | | | | | | | | |
| 01... | 1505 | -- | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| 29... | 1500 | -- | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 10... | 1600 | -- | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 07... | 1520 | <5 | 280 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | | |
| 04... | 1500 | -- | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07359580 OUACHITA RIVER NEAR DONALDSON, AR

LOCATION.--Lat 34°14'16", long 92°57'32", in NE 1/4 sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi west of Donaldson, 3.6 mi downstream from Black Branch.

DRAINAGE AREA.--1,732 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1400 | 9 | 9827 | 9827 | 1250 | 6.7 | 27.0 | 23.0 | 4.6 | 7.4 |
| NOV | | | | | | | | | | |
| 01... | 1420 | 9 | 9827 | 9827 | 482 | 6.8 | 23.0 | 20.0 | 3.8 | 9.1 |
| 21... | 1445 | 9 | 9827 | 9827 | 572 | 6.7 | 25.0 | 15.0 | 7.0 | 9.1 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1330 | 9 | 9827 | 9827 | 2460 | 6.8 | 12.0 | 6.0 | 4.0 | 12.3 |
| 31... | 1340 | 9 | 9827 | 9827 | 2480 | 6.9 | 15.0 | 6.0 | 3.0 | 12.9 |
| APR | | | | | | | | | | |
| 03... | 1400 | 9 | 9827 | 9827 | 11100 | 6.7 | 25.0 | 13.0 | 20 | 11.2 |
| MAY | | | | | | | | | | |
| 01... | 1435 | 9 | 9827 | 9827 | 3020 | 6.8 | 31.0 | 18.0 | 5.0 | 9.8 |
| 29... | 1430 | 9 | 9827 | 9827 | 2380 | 6.9 | 25.0 | 19.0 | 5.5 | 9.3 |
| JUL | | | | | | | | | | |
| 10... | 1510 | 9 | 9827 | 9827 | 414 | 6.8 | 35.0 | 31.0 | 3.0 | -- |
| AUG | | | | | | | | | | |
| 07... | 1450 | 9 | 9827 | 9827 | 412 | 6.9 | 32.0 | 28.0 | 5.0 | 7.3 |
| SEP | | | | | | | | | | |
| 04... | 1430 | 9 | 9827 | 9827 | 378 | 7.1 | 33.0 | 26.0 | 4.5 | 7.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1400 | -- | 160 | <1.0 | 3.5 | 41 | .06 | 8 | .11 |
| NOV | | | | | | | | | |
| 01... | 1420 | 1.5 | 16 | 2.0 | 5.0 | 49 | .07 | 5 | .11 |
| 21... | 1445 | 2.5 | 180 | 5.0 | 5.0 | 55 | .07 | 7 | .15 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1330 | 1.1 | 26 | -- | 4.0 | 51 | .07 | 4 | .20 |
| 31... | 1340 | 1.3 | 4 | 5.0 | 6.5 | 51 | .07 | 6 | .19 |
| APR | | | | | | | | | |
| 03... | 1400 | 1.8 | 310 | 5.0 | 1.5 | 36 | .05 | 16 | .14 |
| MAY | | | | | | | | | |
| 01... | 1435 | 2.5 | 110 | 6.0 | 3.5 | 47 | .06 | 8 | .13 |
| 29... | 1430 | 2.5 | 20 | 7.0 | 5.5 | 53 | .07 | 8 | .10 |
| JUL | | | | | | | | | |
| 10... | 1510 | -- | 44 | 23 | -- | -- | -- | <1 | .27 |
| AUG | | | | | | | | | |
| 07... | 1450 | 1.7 | 84 | 6.0 | 6.0 | 48 | .07 | 5 | .19 |
| SEP | | | | | | | | | |
| 04... | 1430 | 2.7 | 28 | 6.0 | 7.0 | 46 | .06 | 5 | -- |

07359580 OUACHITA RIVER NEAR DONALDSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1400 | .030 | .020 | <.010 | 0 | <1 | -- | <1 | -- |
| NOV | | | | | | | | | |
| 01... | 1420 | .010 | .020 | <.010 | 0 | 1 | <10 | 3 | 0 |
| 21... | 1445 | -- | .040 | .010 | 0 | <1 | <10 | <1 | 10 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1330 | .050 | -- | <.010 | 0 | 1 | <10 | <1 | 0 |
| 31... | 1340 | <.010 | .020 | <.010 | -- | 1 | 12 | 1 | -- |
| APR | | | | | | | | | |
| 03... | 1400 | .060 | .070 | .010 | 0 | <1 | 16 | <1 | 30 |
| MAY | | | | | | | | | |
| 01... | 1435 | .020 | .040 | .010 | 0 | <1 | <10 | <1 | 0 |
| 29... | 1430 | .070 | .040 | .010 | 0 | <1 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 10... | 1510 | 2.00 | -- | <.010 | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | |
| 07... | 1450 | <.010 | .030 | .020 | 0 | <1 | <10 | 1 | 50 |
| SEP | | | | | | | | | |
| 04... | 1430 | <.010 | .050 | .010 | 0 | <1 | <10 | <1 | 70 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | | |
| 04... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, AR

LOCATION.--Lat 34°22'00", long 93°46"08", in NE 1/4 SE 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1005 | 9 | 9827 | 9827 | 6.5 | 21.0 | 20.0 | 1.4 | 9.9 |
| 21... | 1025 | 9 | 9827 | 9827 | 6.5 | 19.0 | 13.0 | 5.0 | 10.1 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1005 | 9 | 9827 | 9827 | 6.4 | 10.0 | 5.0 | 3.0 | 12.8 |
| FEB | | | | | | | | | |
| 28... | 1015 | 9 | 9827 | 9827 | 5.5 | 7.0 | 7.0 | 6.0 | 11.9 |
| MAY | | | | | | | | | |
| 01... | 1015 | 9 | 9827 | 9827 | 6.9 | 30.0 | 16.0 | 2.2 | 9.9 |
| 29... | 1020 | 9 | 9827 | 9827 | 6.7 | 21.0 | 18.0 | 2.7 | 9.7 |
| JUL | | | | | | | | | |
| 10... | 1100 | 9 | 9827 | 9827 | 6.9 | 38.0 | 28.0 | 2.0 | -- |
| AUG | | | | | | | | | |
| 07... | 1030 | 9 | 9827 | 9827 | 6.4 | 27.0 | 23.0 | 3.0 | 8.0 |
| SEP | | | | | | | | | |
| 04... | 1000 | 9 | 9827 | 9827 | 7.0 | 27.0 | 21.0 | 1.0 | 8.6 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1005 | .9 | 12 | 12 | 3.0 | 51 | .07 | 1 | .06 |
| 21... | 1025 | .9 | 50 | 30 | 4.0 | 74 | .10 | 1 | .12 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1005 | .5 | <4 | 22 | 3.5 | 52 | .07 | 3 | .07 |
| FEB | | | | | | | | | |
| 28... | 1015 | .9 | <4 | 21 | 3.0 | 50 | .07 | 5 | .14 |
| MAY | | | | | | | | | |
| 01... | 1015 | .6 | 120 | 41 | 2.0 | 81 | .11 | 1 | .03 |
| 29... | 1020 | .9 | 60 | 39 | 1.5 | 74 | .10 | <1 | .06 |
| JUL | | | | | | | | | |
| 10... | 1100 | -- | 68 | 38 | 5.5 | 76 | .10 | <1 | .06 |
| AUG | | | | | | | | | |
| 07... | 1030 | 1.5 | 4 | 58 | 4.0 | 102 | .14 | <1 | .10 |
| SEP | | | | | | | | | |
| 04... | 1000 | 1.1 | 36 | 31 | 4.5 | 68 | .09 | <1 | -- |

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1005 | .050 | .010 | .010 | 0 | <1 | <10 | <1 | 10 |
| 21... | 1025 | -- | .020 | .010 | 0 | <1 | 11 | <1 | 50 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1005 | <.010 | <.010 | <.010 | -- | <1 | 17 | 1 | -- |
| FEB | | | | | | | | | |
| '28... | 1015 | .010 | .010 | .030 | 3 | <1 | 39 | <1 | 110 |
| MAY | | | | | | | | | |
| 01... | 1015 | .040 | .010 | <.010 | 0 | <1 | <10 | <1 | 20 |
| 29... | 1020 | .070 | .020 | .010 | 0 | <1 | <10 | <1 | 40 |
| JUL | | | | | | | | | |
| 10... | 1100 | <.010 | .010 | <.010 | 0 | <1 | <10 | 1 | 0 |
| AUG | | | | | | | | | |
| 07... | 1030 | <.010 | <.010 | .010 | 2 | <1 | 13 | <1 | 80 |
| SEP | | | | | | | | | |
| 04... | 1000 | <.010 | .010 | .010 | 0 | 1 | <10 | <1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 07... | 1030 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07359770 CADDO RIVER NEAR AMITY, AR

LOCATION.--Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1245 | 9 | 9827 | 9827 | 50 | 7.4 | 27.0 | 24.0 | 2.8 | 7.7 |
| NOV | | | | | | | | | | |
| 01... | 1320 | 9 | 9827 | 9827 | -- | 7.4 | 23.0 | 18.0 | 5.5 | 9.6 |
| 21... | 1345 | 9 | 9827 | 9827 | -- | 7.1 | 25.0 | 14.0 | 15 | 9.9 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1220 | 9 | 9827 | 9827 | 200 | 7.1 | 11.0 | 3.0 | 5.0 | 14.1 |
| 31... | 1245 | 9 | 9827 | 9827 | 260 | 7.6 | 15.0 | 7.0 | 4.0 | 13.7 |
| FEB | | | | | | | | | | |
| 28... | 1340 | 9 | 9827 | 9827 | 1600 | 6.7 | 15.0 | 9.0 | 20 | 11.9 |
| APR | | | | | | | | | | |
| 03... | 1240 | 9 | 9827 | 9827 | 1040 | 7.0 | 25.0 | 15.0 | 20 | 10.3 |
| MAY | | | | | | | | | | |
| 01... | 1345 | 9 | 9827 | 9827 | 200 | 7.6 | 30.0 | 19.0 | 3.0 | 10.7 |
| 29... | 1330 | 9 | 9827 | 9827 | 430 | 7.2 | 23.0 | 21.0 | 20 | 9.0 |
| JUL | | | | | | | | | | |
| 10... | 1405 | 9 | 9827 | 9827 | 1360 | 7.6 | 42.0 | 31.0 | 3.0 | -- |
| AUG | | | | | | | | | | |
| 07... | 1400 | 9 | 9827 | 9827 | 100 | 7.4 | 34.0 | 28.0 | 4.0 | 8.1 |
| SEP | | | | | | | | | | |
| 04... | 1330 | 9 | 9827 | 9827 | 60 | 7.6 | 33.0 | 26.0 | 6.0 | 8.5 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1245 | -- | 8 | 3.0 | 3.5 | 69 | .09 | 5 | .02 |
| NOV | | | | | | | | | |
| 01... | 1320 | 2.3 | 24 | 7.0 | 3.5 | 77 | .10 | 6 | .01 |
| 21... | 1345 | 2.4 | 470 | 8.0 | 4.0 | 80 | .11 | 10 | .32 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1220 | .9 | <4 | -- | 4.5 | 73 | .10 | 3 | .32 |
| 31... | 1245 | 1.2 | <4 | 4.0 | 4.0 | 59 | .08 | 4 | .07 |
| FEB | | | | | | | | | |
| 28... | 1340 | 1.3 | 120 | 6.0 | 3.5 | 56 | .08 | 12 | .34 |
| APR | | | | | | | | | |
| 03... | 1240 | 1.3 | 340 | 5.0 | 2.0 | 45 | .06 | 10 | .29 |
| MAY | | | | | | | | | |
| 01... | 1345 | 1.4 | <10 | 7.0 | 2.5 | 64 | .09 | 5 | .05 |
| 29... | 1330 | 1.9 | 330 | 8.0 | 2.0 | 67 | .09 | 16 | .19 |
| JUL | | | | | | | | | |
| 10... | 1405 | -- | 14 | 9.0 | 5.0 | 75 | .10 | <1 | .03 |
| AUG | | | | | | | | | |
| 07... | 1400 | 1.8 | 12 | 11 | 4.5 | 76 | .10 | 3 | .07 |
| SEP | | | | | | | | | |
| 04... | 1330 | 1.9 | 12 | 8.0 | 5.0 | 120 | .16 | 9 | -- |

07359770 CADDO RIVER NEAR AMITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1245 | .030 | .020 | <.010 | 0 | <1 | -- | <1 | -- |
| NOV | | | | | | | | | |
| 01... | 1320 | <.010 | .010 | .010 | 0 | <1 | <10 | 2 | 130 |
| 21... | 1345 | -- | .040 | .010 | 0 | 1 | <10 | 1 | 40 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1220 | .020 | -- | <.010 | 0 | 1 | 12 | <1 | 710 |
| 31... | 1245 | .020 | .010 | <.010 | -- | 1 | <10 | 2 | -- |
| FEB | | | | | | | | | |
| 28... | 1340 | .040 | .030 | .050 | 0 | <1 | <10 | 2 | 140 |
| APR | | | | | | | | | |
| 03... | 1240 | .050 | .070 | .020 | 0 | <1 | 21 | 1 | 80 |
| MAY | | | | | | | | | |
| 01... | 1345 | .030 | .020 | .010 | 0 | <1 | <10 | <1 | 70 |
| 29... | 1330 | .070 | .060 | .020 | 0 | <1 | <10 | 1 | 70 |
| JUL | | | | | | | | | |
| 10... | 1405 | <.010 | -- | <.010 | 0 | <1 | <10 | 1 | 40 |
| AUG | | | | | | | | | |
| 07... | 1400 | <.010 | .010 | .010 | 0 | <1 | <10 | <1 | 70 |
| SEP | | | | | | | | | |
| 04... | 1330 | <.010 | .030 | .010 | 0 | <1 | <10 | 1 | 120 |

## 07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR

LOCATION.--Lat 34°18'41", long 93°53'58", in SW 1/4 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 $mi^2$.

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 04... | 1145 | 9 | 9827 | 9827 | 108 | 7.1 | 27.0 | 22.0 | 2.0 | 8.4 |
| NOV | | | | | | | | | | |
| 01... | 1120 | 9 | 9827 | 9827 | 18 | 6.9 | 21.0 | 17.0 | 1.4 | 10.2 |
| 21... | 1130 | 9 | 9827 | 9827 | 37 | 6.6 | 29.0 | 13.0 | 6.0 | 10.6 |
| JAN, 1984 | | | | | | | | | | |
| 03... | 1100 | 9 | 9827 | 9827 | 8.6 | 6.9 | 11.0 | 2.0 | 2.0 | 14.3 |
| 31... | 1100 | 9 | 9827 | 9827 | 13 | 7.0 | 10.0 | 5.0 | 2.0 | 13.3 |
| FEB | | | | | | | | | | |
| 28... | 1138 | 9 | 9827 | 9827 | 96 | 6.3 | 9.0 | 7.0 | 4.6 | 12.5 |
| MAR | | | | | | | | | | |
| 31... | 1100 | 9 | 9827 | 9827 | 13 | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 03... | 1045 | 9 | 9827 | 9827 | 290 | 6.6 | 15.0 | 13.0 | 3.8 | 10.8 |
| MAY | | | | | | | | | | |
| 01... | 1145 | 9 | 9827 | 9827 | 57 | 6.7 | 30.0 | 18.0 | 1.6 | 9.7 |
| 29... | 1128 | 9 | 9827 | 9827 | 640 | 6.8 | 22.0 | 18.0 | 3.5 | 9.8 |
| JUL | | | | | | | | | | |
| 10... | 1145 | 9 | 9827 | 9827 | 16 | 7.2 | 40.0 | 28.0 | 2.0 | -- |
| AUG | | | | | | | | | | |
| 07... | 1200 | 9 | 9827 | 9827 | 23 | 7.1 | 29.0 | 27.0 | 20 | 8.2 |
| SEP | | | | | | | | | | |
| 04... | 1115 | 9 | 9827 | 9827 | 13 | 7.3 | 30.0 | 23.0 | 2.0 | 8.1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1145 | -- | <4 | <1.0 | 4.0 | 41 | .06 | 3 | .02 |
| NOV | | | | | | | | | |
| 01... | 1120 | 1.3 | 76 | 2.0 | 3.0 | 42 | .06 | 2 | .06 |
| 21... | 1130 | 1.9 | 76 | 1.0 | 4.5 | 44 | .06 | 1 | .09 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1100 | .3 | <4 | -- | 3.5 | 40 | .05 | <1 | .06 |
| 31... | 1100 | .7 | <4 | 1.0 | 3.5 | 33 | .04 | <1 | .05 |
| FEB | | | | | | | | | |
| 28... | 1138 | .9 | 8 | 4.0 | 3.5 | 34 | .05 | 2 | .12 |
| APR | | | | | | | | | |
| 03... | 1045 | .7 | 8 | 3.0 | 1.0 | 20 | .03 | 2 | .09 |
| MAY | | | | | | | | | |
| 01... | 1145 | .8 | <10 | 3.0 | 1.5 | 37 | .05 | 1 | .02 |
| 29... | 1128 | 1.3 | <10 | 5.0 | 2.0 | 41 | .06 | 2 | .05 |
| JUL | | | | | | | | | |
| 10... | 1145 | -- | 12 | 4.0 | 5.0 | 38 | .05 | <1 | .04 |
| AUG | | | | | | | | | |
| 07... | 1200 | 1.1 | 60 | <1.0 | 4.5 | 40 | .05 | <1 | .07 |
| SEP | | | | | | | | | |
| 04... | 1115 | 1.1 | 230 | 4.0 | 5.0 | 45 | .06 | <1 | -- |

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 04... | 1145 | .030 | <.010 | <.010 | 0 | <1 | -- | <1 | -- |
| NOV | | | | | | | | | |
| 01... | 1120 | .020 | <.010 | <.010 | 0 | <1 | <10 | <1 | 10 |
| 21... | 1130 | -- | <.010 | .010 | 0 | <1 | <10 | <1 | 0 |
| JAN, 1984 | | | | | | | | | |
| 03... | 1100 | .040 | -- | <.010 | 0 | <1 | <10 | <1 | 0 |
| 31... | 1100 | <.010 | <.010 | <.010 | -- | <1 | <10 | <1 | -- |
| FEB | | | | | | | | | |
| 28... | 1138 | .010 | .020 | .030 | 0 | <1 | <10 | <1 | 0 |
| APR | | | | | | | | | |
| 03... | 1045 | .030 | .030 | .030 | 0 | <1 | 26 | 2 | 0 |
| MAY | | | | | | | | | |
| 01... | 1145 | .020 | .010 | <.010 | 0 | <1 | <10 | <1 | 0 |
| 29... | 1128 | .070 | .030 | .010 | 0 | 1 | <10 | <1 | 0 |
| JUL | | | | | | | | | |
| 10... | 1145 | <.010 | -- | <.010 | 0 | <1 | <10 | <1 | 0 |
| AUG | | | | | | | | | |
| 07... | 1200 | <.010 | <.010 | .010 | 0 | <1 | <10 | <1 | 50 |
| SEP | | | | | | | | | |
| 04... | 1115 | .020 | .010 | <.010 | 0 | <1 | <10 | <1 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 07... | 1200 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07361022 PRAIRIE CREEK AT MURPHREESBORO, AR

LOCATION.--Lat 34°04'02 long 93°40'58", in NE 1/4 SE 1/4 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 from confluence with Spring Creek.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1215 | 9 | 9827 | 9827 | 6.3 | 23.0 | 18.0 | 5.2 | 6.4 |
| 21... | 1240 | 9 | 9827 | 9827 | 6.3 | 25.0 | 15.0 | 2.0 | 8.5 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1145 | 9 | 9827 | 9827 | 6.7 | 15.0 | 6.0 | 5.0 | 13.0 |
| FEB | | | | | | | | | |
| 28... | 1235 | 9 | 9827 | 9827 | 6.1 | 15.0 | 9.0 | 15 | 11.8 |
| APR | | | | | | | | | |
| 03... | 1130 | 9 | 9827 | 9827 | 6.4 | 20.0 | 15.0 | 25 | 10.1 |
| MAY | | | | | | | | | |
| 01... | 1245 | 9 | 9827 | 9827 | 6.3 | 29.0 | 19.0 | 4.2 | 9.0 |
| 29... | 1225 | 9 | 9827 | 9827 | 6.4 | 23.0 | 19.0 | 20 | 8.8 |
| JUL | | | | | | | | | |
| 10... | 1245 | 9 | 9827 | 9827 | 6.3 | 42.0 | 28.0 | 3.0 | -- |
| AUG | | | | | | | | | |
| 07... | 1255 | 9 | 9827 | 9827 | 6.5 | 32.0 | 26.0 | 3.5 | 7.1 |
| SEP | | | | | | | | | |
| 04... | 1230 | 9 | 9827 | 9827 | 6.6 | 31.0 | 24.0 | 8.0 | 7.1 |

| DATE | TIME | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1215 | 12 | 2.5 | 170 | 2.0 | 6.0 | 51 | .07 | 7 |
| 21... | 1240 | 12 | 2.0 | 130 | 3.0 | 11 | 44 | .06 | 1 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1145 | 7 | .9 | <4 | 2.0 | 6.5 | 35 | .05 | 2 |
| FEB | | | | | | | | | |
| 28... | 1235 | 8 | 1.5 | 68 | 5.0 | 5.0 | 47 | .06 | 6 |
| APR | | | | | | | | | |
| 03... | 1130 | 9 | 2.2 | 310 | 4.0 | 2.5 | 30 | .04 | 13 |
| MAY | | | | | | | | | |
| 01... | 1245 | 4 | 1.9 | 110 | 3.0 | 4.0 | 30 | .04 | 4 |
| 29... | 1225 | 13 | 1.4 | 1300 | 7.0 | 2.0 | 55 | .07 | 5 |
| JUL | | | | | | | | | |
| 10... | 1245 | -- | -- | 120 | 4.0 | 7.0 | 44 | .06 | <1 |
| AUG | | | | | | | | | |
| 07... | 1255 | 7 | 2.0 | 380 | 2.0 | 7.0 | 41 | .06 | 2 |
| SEP | | | | | | | | | |
| 04... | 1230 | 10 | 1.4 | 68 | 4.0 | 8.5 | 44 | .06 | 3 |

07361022 PRAIRIE CREEK AT MURPHREESBORO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | NITRO-GEN, TOTAL (MG/L AS NO3) (71887) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 01... | 1215 | .16 | .070 | .03 | .10 | .26 | 1.2 | .010 | <.010 |
| 21... | 1240 | .08 | -- | -- | .10 | .18 | .80 | <.010 | <.010 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1145 | .21 | <.010 | -- | .50 | .71 | 3.1 | .010 | <.010 |
| FEB | | | | | | | | | |
| 28... | 1235 | .38 | .040 | .56 | .60 | .98 | 4.3 | .030 | .040 |
| APR | | | | | | | | | |
| 03... | 1130 | .35 | .040 | -- | <.10 | -- | -- | .070 | .020 |
| MAY | | | | | | | | | |
| 01... | 1245 | .42 | <.010 | -- | -- | -- | -- | .030 | <.010 |
| 29... | 1225 | .17 | .080 | .92 | 1.0 | 1.2 | 5.2 | .050 | .020 |
| JUL | | | | | | | | | |
| 10... | 1245 | .40 | .010 | -- | <.10 | -- | -- | -- | <.010 |
| AUG | | | | | | | | | |
| 07... | 1255 | .15 | <.010 | -- | .20 | .35 | 1.5 | .010 | <.010 |
| SEP | | | | | | | | | |
| 04... | 1230 | -- | <.010 | -- | .10 | -- | -- | .040 | .010 |

| DATE | TIME | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | |
| 01... | 1215 | <5 | 0 | 1 | 10 | 2 | <5 | 110 |
| 21... | 1240 | -- | 0 | <1 | <10 | <1 | -- | 80 |
| JAN, 1984 | | | | | | | | |
| 31... | 1145 | <5 | -- | 2 | 13 | 8 | <5 | -- |
| FEB | | | | | | | | |
| 28... | 1235 | -- | 8 | <1 | <10 | 3 | -- | 170 |
| APR | | | | | | | | |
| 03... | 1130 | <5 | 0 | <1 | 18 | 2 | <5 | 240 |
| MAY | | | | | | | | |
| 01... | 1245 | -- | 0 | <1 | <10 | 2 | -- | 150 |
| 29... | 1225 | -- | 0 | <1 | <10 | <1 | -- | 150 |
| JUL | | | | | | | | |
| 10... | 1245 | -- | 0 | <1 | <10 | <1 | -- | -- |
| AUG | | | | | | | | |
| 07... | 1255 | <5 | 0 | <1 | <10 | 5 | <5 | 110 |
| SEP | | | | | | | | |
| 04... | 1230 | -- | 0 | <1 | <10 | <1 | -- | 130 |

07361025 PRAIRIE CREEK NEAR MURPHREESBORO, AR

LOCATION.--Lat 34°02'34", long 93°41'02", in SE 1/4 NE 1/4 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 September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1235 | 9 | 9827 | 9827 | 6.9 | 23.0 | 18.0 | 3.4 | 5.4 | 15 | 4.0 |
| 21... | 1255 | 9 | 9827 | 9827 | 6.7 | 27.0 | 13.0 | 5.0 | 6.9 | 18 | 4.2 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1200 | 9 | 9827 | 9827 | 6.7 | 15.0 | 5.0 | 6.0 | 12.4 | 6 | .9 |
| FEB | | | | | | | | | | | |
| 28... | 1255 | 9 | 9827 | 9827 | 6.4 | 15.0 | 10.0 | 20 | 11.8 | 8 | 1.4 |
| APR | | | | | | | | | | | |
| 03... | 1145 | 9 | 9827 | 9827 | 7.0 | 22.0 | 15.0 | 30 | 9.9 | 7 | 2.3 |
| MAY | | | | | | | | | | | |
| 01... | 1300 | 9 | 9827 | 9827 | 6.7 | 29.0 | 19.0 | 5.4 | 7.7 | 3 | 4.3 |
| 29... | 1240 | 9 | 9827 | 9827 | 6.5 | 23.0 | 19.0 | 25 | 8.7 | 12 | 1.6 |
| JUL | | | | | | | | | | | |
| 10... | 1310 | 9 | 9827 | 9827 | 7.3 | 42.0 | 30.0 | 4.0 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 07... | 1315 | 9 | 9827 | 9827 | 7.3 | 32.0 | 27.0 | 9.5 | 7.9 | 25 | 5.6 |
| SEP | | | | | | | | | | | |
| 04... | 1245 | 9 | 9827 | 9827 | 7.1 | 31.0 | 24.0 | 20 | 6.6 | 23 | 2.5 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 01... | 1235 | 16 | 6.0 | 12 | 101 | .14 | 4 | .70 | .840 | -.24 | .60 |
| 21... | 1255 | 88 | 6.0 | 11 | 76 | .10 | 4 | .43 | -- | -- | .30 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1200 | 4 | 3.0 | 6.5 | 45 | .06 | 2 | .26 | <.010 | -- | 5.4 |
| FEB | | | | | | | | | | | |
| 28... | 1255 | 88 | 5.0 | 4.5 | 52 | .07 | 10 | .38 | .040 | .56 | .60 |
| APR | | | | | | | | | | | |
| 03... | 1145 | 230 | 5.0 | 3.5 | 43 | .06 | 14 | .29 | .100 | .50 | .60 |
| MAY | | | | | | | | | | | |
| 01... | 1300 | 90 | 5.0 | 4.0 | 45 | .06 | 4 | .38 | .040 | -- | -- |
| 29... | 1240 | 1100 | 7.0 | 2.0 | 52 | .07 | 7 | .17 | .080 | 1.1 | 1.2 |
| JUL | | | | | | | | | | | |
| 10... | 1310 | 60 | 6.0 | 8.0 | 74 | .10 | 2 | .01 | <.010 | -- | <.10 |
| AUG | | | | | | | | | | | |
| 07... | 1315 | 4 | 6.0 | 11 | 91 | .12 | 10 | .02 | <.010 | -- | 1.1 |
| SEP | | | | | | | | | | | |
| 04... | 1245 | 190 | 7.0 | 7.5 | 62 | .08 | 9 | -- | .120 | .78 | .90 |

07361025 PRAIRIE CREEK NEAR MURPHREESBORO, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITRO-GEN, TOTAL (MG/L AS N) (00600) | NITRO-GEN, TOTAL (MG/L AS NO3) (71887) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 01... | 1235 | 1.3 | 5.8 | .810 | .670 | 0 | 1 | 15 | 1 | 70 |
| 21... | 1255 | .73 | 3.2 | .430 | .250 | 0 | <1 | <10 | <1 | 90 |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1200 | 5.7 | 25 | .030 | .010 | -- | 1 | <10 | 2 | -- |
| FEB | | | | | | | | | | |
| 28... | 1255 | .98 | 4.3 | .040 | .050 | 0 | 2 | <10 | 4 | 200 |
| APR | | | | | | | | | | |
| 03... | 1145 | .89 | 3.9 | .120 | .070 | 0 | <1 | 19 | <1 | 90 |
| MAY | | | | | | | | | | |
| 01... | 1300 | -- | -- | .090 | .060 | 0 | <1 | <10 | 2 | 70 |
| 29... | 1240 | 1.4 | 6.1 | .070 | .030 | -- | 13 | <10 | 2 | 70 |
| JUL | | | | | | | | | | |
| 10... | 1310 | -- | -- | -- | .040 | 0 | <1 | <10 | <1 | 10 |
| AUG | | | | | | | | | | |
| 07... | 1315 | 1.1 | 5.0 | .720 | .550 | 0 | <1 | <10 | <1 | 70 |
| SEP | | | | | | | | | | |
| 04... | 1245 | -- | -- | .550 | .450 | 0 | <1 | <10 | <1 | 90 |

## 07361500 ANTOINE RIVER AT ANTOINE, AR

LOCATION.--Lat 34°02'20", long 93°25'05", in NW 1/4 NW 1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi downstream from Brushy Creek, 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 $mi^2$.

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of 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 National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--30 years, 273 $ft^3/s$, 20.83 in/yr, 197,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 $ft^3/s$ 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 $ft^3/s$.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge (ft3/s) | Gage height (ft) |
|---|---|---|---|
| Mar. 27 | 2230 | 8,930 | 20.75 |
| May 2 | 2200 | *13,800 | 22.96 |

Minimum discharge, 2.6 $ft^3/s$ July 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.6 | 12 | 170 | 140 | 136 | 473 | 469 | 56 | 242 | 4.0 | 21 | 41 |
| 2 | 8.1 | 3.4 | 150 | 130 | 128 | 368 | 467 | 3450 | 207 | 4.0 | 18 | 30 |
| 3 | 7.4 | 6.0 | 2000 | 122 | 138 | 296 | 790 | 7120 | 176 | 3.6 | 17 | 25 |
| 4 | 8.5 | 11 | 3000 | 116 | 144 | 385 | 494 | 1620 | 142 | 3.5 | 19 | 20 |
| 5 | 8.1 | 13 | 1500 | 118 | 118 | 887 | 389 | 1210 | 116 | 5.6 | 25 | 15 |
| 6 | 8.0 | 16 | 595 | 113 | 94 | 492 | 323 | 998 | 99 | 4.6 | 24 | 13 |
| 7 | 8.2 | 18 | 407 | 106 | 87 | 353 | 279 | 695 | 95 | 4.2 | 22 | 12 |
| 8 | 8.7 | 17 | 303 | 94 | 81 | 278 | 615 | 585 | 86 | 4.1 | 23 | 10 |
| 9 | 8.8 | 16 | 247 | 96 | 87 | 232 | 940 | 379 | 73 | 6.5 | 24 | 381 |
| 10 | 8.9 | 10 | 277 | 406 | 106 | 214 | 591 | 285 | 62 | 6.8 | 25 | 350 |
| 11 | 9.1 | 9.0 | 1210 | 371 | 104 | 207 | 468 | 234 | 52 | 5.7 | 92 | 171 |
| 12 | 15 | 8.0 | 633 | 298 | 2100 | 1670 | 381 | 199 | 43 | 5.2 | 83 | 102 |
| 13 | 15 | 7.2 | 448 | 259 | 1310 | 1210 | 307 | 168 | 36 | 5.0 | 51 | 66 |
| 14 | 16 | 6.6 | 437 | 227 | 786 | 731 | 262 | 138 | 31 | 3.7 | 37 | 48 |
| 15 | 16 | 6.0 | 303 | 204 | 546 | 525 | 236 | 112 | 27 | 3.1 | 34 | 55 |
| 16 | 16 | 5.8 | 257 | 193 | 541 | 677 | 219 | 92 | 23 | 2.8 | 28 | 52 |
| 17 | 19 | 5.6 | 239 | 178 | 391 | 984 | 199 | 80 | 21 | 7.3 | 24 | 43 |
| 18 | 20 | 5.2 | 229 | 162 | 324 | 792 | 179 | 71 | 18 | 94 | 20 | 32 |
| 19 | 42 | 20 | 217 | 144 | 291 | 608 | 186 | 66 | 16 | 35 | 17 | 25 |
| 20 | 37 | 200 | 199 | 122 | 241 | 441 | 188 | 82 | 14 | 18 | 125 | 20 |
| 21 | 31 | 180 | 238 | 103 | 215 | 342 | 159 | 212 | 12 | 12 | 48 | 17 |
| 22 | 25 | 150 | 333 | 101 | 198 | 275 | 144 | 174 | 9.9 | 12 | 36 | 18 |
| 23 | 24 | 200 | 260 | 164 | 181 | 241 | 114 | 229 | 8.5 | 21 | 30 | 26 |
| 24 | 21 | 220 | 240 | 355 | 152 | 526 | 97 | 258 | 9.5 | 21 | 59 | 66 |
| 25 | 22 | 200 | 230 | 273 | 124 | 371 | 86 | 184 | 7.1 | 20 | 40 | 50 |
| 26 | 21 | 180 | 220 | 246 | 549 | 296 | 77 | 146 | 6.2 | 18 | 26 | 35 |
| 27 | 20 | 400 | 200 | 227 | 2300 | 4420 | 71 | 124 | 5.7 | 30 | 20 | 29 |
| 28 | 22 | 330 | 190 | 208 | 1010 | 4490 | 64 | 2310 | 5.2 | 149 | 16 | 25 |
| 29 | 23 | 250 | 180 | 196 | 654 | 1380 | 58 | 747 | 4.6 | 56 | 15 | 21 |
| 30 | 23 | 200 | 170 | 178 | --- | 865 | 53 | 400 | 4.1 | 35 | 50 | 18 |
| 31 | 23 | --- | 150 | 150 | --- | 617 | --- | 291 | --- | 26 | 46 | --- |
| TOTAL | 542.4 | 2705.8 | 15232 | 5800 | 13136 | 25646 | 8905 | 22715 | 1651.8 | 626.7 | 1115 | 1816 |
| MEAN | 17.5 | 90.2 | 491 | 187 | 453 | 827 | 297 | 733 | 55.1 | 20.2 | 36.0 | 60.5 |
| MAX | 42 | 400 | 3000 | 406 | 2300 | 4490 | 940 | 7120 | 242 | 149 | 125 | 381 |
| MIN | 7.4 | 3.4 | 150 | 94 | 81 | 207 | 53 | 56 | 4.1 | 2.8 | 15 | 10 |
| CFSM | .10 | .51 | 2.76 | 1.05 | 2.54 | 4.65 | 1.67 | 4.12 | .31 | .11 | .20 | .34 |
| IN. | .11 | .57 | 3.18 | 1.21 | 2.75 | 5.36 | 1.86 | 4.75 | .35 | .13 | .23 | .38 |
| AC-FT | 1080 | 5370 | 30210 | 11500 | 26060 | 50870 | 17660 | 45060 | 3280 | 1240 | 2210 | 3600 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 131016.65 | MEAN | 359 | MAX | 16400 | MIN | .95 | CFSM | 2.02 | IN. | 27.38 | AC-FT 259900 |
| WTR YR 1984 | TOTAL | 99891.7 | MEAN | 273 | MAX | 7120 | MIN | 2.8 | CFSM | 1.53 | IN. | 20.88 | AC-FT 198100 |

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR

LOCATION.--Lat 33°52'32", long 93°18'16", in NE 1/4 sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi 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 $mi^2$.

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 19... | 0500 | 9 | 9827 | 9827 | 755 | 6.7 | 20.0 | 19.0 | 20 | 8.1 |
| NOV | | | | | | | | | | |
| 09... | 0500 | 9 | 9827 | 9827 | 83 | 6.9 | 14.0 | 14.0 | 6.0 | 8.9 |
| DEC | | | | | | | | | | |
| 14... | 0500 | 9 | 9827 | 9827 | 2670 | 6.6 | 5.0 | 8.0 | 25 | 10.1 |
| JAN, 1984 | | | | | | | | | | |
| 18... | 0500 | 9 | 9827 | 9827 | 660 | 7.0 | 2.0 | 2.0 | -- | 12.9 |
| FEB | | | | | | | | | | |
| 15... | 0530 | 9 | 9827 | 9827 | 2900 | 7.2 | 12.0 | 10.0 | 45 | 10.2 |
| MAR | | | | | | | | | | |
| 14... | 0530 | 9 | 9827 | 9827 | 7180 | 6.6 | 10.0 | 11.0 | 55 | 9.7 |
| APR | | | | | | | | | | |
| 11... | 0515 | 9 | 9827 | 9827 | 2750 | 7.1 | 15.0 | 15.0 | 30 | 8.9 |
| MAY | | | | | | | | | | |
| 16... | 0500 | 9 | 9827 | 9827 | 2900 | 6.7 | 16.0 | 18.0 | 10 | 8.4 |
| JUN | | | | | | | | | | |
| 13... | 0500 | 9 | 9827 | 9827 | 137 | 6.8 | 21.0 | 26.0 | 8.2 | -- |
| JUL | | | | | | | | | | |
| 17... | 0500 | 9 | 9827 | 9827 | 440 | 7.0 | 22.0 | 28.0 | 30 | 6.6 |
| AUG | | | | | | | | | | |
| 15... | 0530 | 9 | 9827 | 9827 | 660 | 6.9 | 22.0 | 24.0 | 25 | 7.3 |
| SEP | | | | | | | | | | |
| 12... | 0530 | 9 | 9827 | 9827 | 803 | 6.9 | 23.0 | 23.0 | -- | 7.3 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 19... | 0500 | 1.3 | -- | 4.0 | 4.0 | 37 | .05 | 18 | .12 |
| NOV | | | | | | | | | |
| 09... | 0500 | 1.2 | 32 | 1.0 | 4.0 | 48 | .07 | 2 | .09 |
| DEC | | | | | | | | | |
| 14... | 0500 | 1.6 | 120 | 7.0 | 5.0 | 50 | .07 | 16 | .24 |
| JAN, 1984 | | | | | | | | | |
| 18... | 0500 | 1.5 | 16 | 12 | 7.0 | 70 | .10 | 11 | .32 |
| FEB | | | | | | | | | |
| 15... | 0530 | 1.4 | 440 | 10 | 5.5 | 76 | .10 | 40 | .26 |
| MAR | | | | | | | | | |
| 14... | 0530 | 1.8 | 540 | 9.0 | 4.0 | 89 | .12 | 43 | .18 |
| APR | | | | | | | | | |
| 11... | 0515 | 1.3 | 160 | 5.0 | 3.5 | 71 | .10 | 24 | .15 |
| MAY | | | | | | | | | |
| 16... | 0500 | 1.0 | 50 | 7.0 | 2.0 | 52 | .07 | 12 | .20 |
| JUN | | | | | | | | | |
| 13... | 0500 | .7 | 20 | 7.0 | 4.5 | 67 | .09 | 13 | .17 |
| JUL | | | | | | | | | |
| 17... | 0500 | 1.0 | 260 | 8.0 | 4.0 | 45 | .06 | 16 | .23 |
| AUG | | | | | | | | | |
| 15... | 0530 | 1.0 | 1300 | 14 | 4.5 | 70 | .10 | 18 | -- |
| SEP | | | | | | | | | |
| 12... | 0530 | 1.5 | 210 | 30 | 5.0 | 113 | .15 | 26 | .22 |

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 19... | 0500 | -- | .050 | .010 | 0 | <1 | 20 | 37 | -- |
| NOV | | | | | | | | | |
| 09... | 0500 | .280 | -- | .060 | 0 | 2 | -- | 31 | 50 |
| DEC | | | | | | | | | |
| 14... | 0500 | .050 | .040 | -- | 0 | 5 | 22 | 32 | 70 |
| JAN, 1984 | | | | | | | | | |
| 18... | 0500 | -- | .050 | .030 | 0 | 2 | 47 | -- | -- |
| FEB | | | | | | | | | |
| 15... | 0530 | .060 | .080 | .040 | 0 | 2 | 30 | 27 | 110 |
| MAR | | | | | | | | | |
| 14... | 0530 | .030 | .120 | .060 | 0 | -- | 23 | 18 | 70 |
| APR | | | | | | | | | |
| 11... | 0515 | .040 | .120 | .040 | 0 | 2 | 29 | 22 | 90 |
| MAY | | | | | | | | | |
| 16... | 0500 | .040 | .030 | <.010 | 0 | 2 | 19 | 27 | 100 |
| JUN | | | | | | | | | |
| 13... | 0500 | .070 | .030 | .020 | 0 | 2 | -- | -- | -- |
| JUL | | | | | | | | | |
| 17... | 0500 | .050 | .060 | .040 | 0 | 1 | 31 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 0530 | .040 | .090 | .050 | 0 | 15 | 33 | 27 | 100 |
| SEP | | | | | | | | | |
| 12... | 0530 | .060 | .090 | .060 | 0 | 2 | 31 | 36 | 80 |

## 07362000 OUACHITA RIVER AT CAMDEN, AR

LOCATION.--Lat 33°35'47", long 92°49'05", in SE 1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of 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 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, 1928, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder 3.2 mi downstream.

REMARKS.--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.

AVERAGE DISCHARGE.--56 years, 7,486 $ft^3/s$, 5,424,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 $ft^3/s$ Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 $ft^3/s$ Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 64,600 $ft^3/s$ May 7; maximum gage height, 35.43 ft May 8; minimum daily, 550 $ft^3/s$ July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1700 | 2390 | 8010 | 6490 | 5800 | 22400 | 26000 | 4600 | 4140 | 1400 | 1300 | 2460 |
| 2 | 1560 | 1420 | 7490 | 6490 | 5500 | 20200 | 27000 | 6060 | 2930 | 1400 | 850 | 1860 |
| 3 | 1460 | 1440 | 6790 | 6180 | 5240 | 16300 | 25000 | 13000 | 2560 | 1600 | 700 | 1490 |
| 4 | 1170 | 1310 | 19000 | 5830 | 4990 | 11400 | 24000 | 21000 | 2390 | 1600 | 1800 | 1320 |
| 5 | 1020 | 1140 | 23300 | 5570 | 4980 | 9560 | 24000 | 27000 | 2640 | 1300 | 2600 | 1140 |
| 6 | 1890 | 993 | 27700 | 4860 | 5010 | 13600 | 23000 | 34000 | 3240 | 2100 | 1900 | 958 |
| 7 | 1840 | 921 | 24000 | 6120 | 4900 | 17000 | 21000 | 46000 | 4800 | 2500 | 1600 | 923 |
| 8 | 1680 | 1110 | 20000 | 6100 | 4780 | 15800 | 19000 | 57400 | 4300 | 2600 | 1500 | 851 |
| 9 | 1620 | 1000 | 14800 | 6020 | 4640 | 14000 | 18000 | 47100 | 3720 | 2200 | 1700 | 853 |
| 10 | 1280 | 948 | 12300 | 6470 | 4580 | 12000 | 19000 | 35800 | 3320 | 1700 | 1400 | 1460 |
| 11 | 992 | 1260 | 13700 | 8660 | 4700 | 9500 | 19000 | 28100 | 3270 | 1300 | 4100 | 3190 |
| 12 | 1050 | 1400 | 18200 | 11200 | 5120 | 8700 | 17000 | 22000 | 3600 | 897 | 7900 | 3460 |
| 13 | 1250 | 1780 | 20700 | 11000 | 11900 | 11000 | 16000 | 16400 | 3200 | 700 | 6300 | 3020 |
| 14 | 1350 | 1540 | 20700 | 9760 | 20300 | 15000 | 14000 | 12900 | 3400 | 900 | 5400 | 3190 |
| 15 | 996 | 1210 | 19900 | 8360 | 22300 | 17000 | 12000 | 11000 | 3600 | 1200 | 4300 | 2550 |
| 16 | 1030 | 1160 | 18100 | 6860 | 21100 | 18000 | 10000 | 10500 | 3500 | 1300 | 3600 | 2310 |
| 17 | 1070 | 1160 | 15300 | 5470 | 19200 | 19000 | 8000 | 8270 | 4200 | 1300 | 3000 | 2040 |
| 18 | 1640 | 2330 | 11700 | 4360 | 15900 | 18000 | 7000 | 6110 | 4000 | 1500 | 2500 | 1390 |
| 19 | 3250 | 2220 | 9740 | 4610 | 13200 | 18000 | 6180 | 4990 | 3200 | 1800 | 2300 | 1110 |
| 20 | 2750 | 2000 | 9970 | 4690 | 10600 | 18000 | 7370 | 4780 | 3300 | 1400 | 2300 | 1610 |
| 21 | 2430 | 2060 | 10800 | 4600 | 7790 | 17000 | 7600 | 3600 | 4000 | 1000 | 2100 | 1200 |
| 22 | 2060 | 2240 | 11100 | 4650 | 7620 | 16000 | 7060 | 3240 | 4400 | 900 | 2700 | 907 |
| 23 | 1930 | 1970 | 10200 | 4620 | 8040 | 13000 | 6510 | 4310 | 4600 | 700 | 2980 | 1040 |
| 24 | 1230 | 2520 | 8210 | 4550 | 7380 | 12000 | 5770 | 5410 | 4700 | 550 | 3310 | 1060 |
| 25 | 1290 | 5940 | 8840 | 6830 | 6790 | 12000 | 5180 | 5900 | 5000 | 800 | 3280 | 1420 |
| 26 | 1840 | 4970 | 10600 | 8100 | 5480 | 13000 | 4800 | 5610 | 4200 | 800 | 2970 | 4580 |
| 27 | 2270 | 4440 | 10000 | 8260 | 7190 | 13000 | 4830 | 5150 | 3900 | 600 | 2640 | 4130 |
| 28 | 3260 | 4050 | 9690 | 7570 | 14800 | 15000 | 5350 | 3790 | 3000 | 850 | 2130 | 2130 |
| 29 | 3270 | 7540 | 8250 | 6780 | 21100 | 19000 | 5940 | 4750 | 2500 | 1800 | 1660 | 1280 |
| 30 | 2870 | 8710 | 7830 | 6340 | --- | 23000 | 5530 | 6740 | 1600 | 2300 | 2000 | 992 |
| 31 | 2640 | --- | 7220 | 5760 | --- | 21900 | --- | 5560 | --- | 1900 | 2460 | --- |
| TOTAL | 55688 | 73172 | 424140 | 203160 | 280930 | 479360 | 401120 | 471070 | 107210 | 42897 | 85280 | 55924 |
| MEAN | 1796 | 2439 | 13680 | 6554 | 9687 | 15460 | 13370 | 15200 | 3574 | 1384 | 2751 | 1864 |
| MAX | 3270 | 8710 | 27700 | 11200 | 22300 | 23000 | 27000 | 57400 | 5000 | 2600 | 7900 | 4580 |
| MIN | 992 | 921 | 6790 | 4360 | 4580 | 8700 | 4800 | 3240 | 1600 | 550 | 700 | 851 |
| AC-FT | 110500 | 145100 | 841300 | 403000 | 557200 | 950800 | 795600 | 934400 | 212700 | 85090 | 169200 | 110900 |

CAL YR 1983 TOTAL 3218757 MEAN 8819 MAX 47900 MIN 755 AC-FT 6384000
WTR YR 1984 TOTAL 2679951 MEAN 7322 MAX 57400 MIN 550 AC-FT 5316000

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED
(National stream-quality accounting network)

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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 13... | 0830 | 9 | 80513 | 80010 | 1180 | 64 | 7.2 | 19.5 | 4.5 | 8.5 | 92 |
| JAN 11... | 0900 | 9 | 80513 | 80010 | 9070 | 75 | 7.0 | 5.0 | 25 | 10.8 | 84 |
| APR 12... | 0705 | 9 | 80513 | 80010 | 18100 | 72 | 7.4 | 15.0 | 24 | 9.0 | 89 |
| JUL 26... | 0800 | 9 | 80513 | 80010 | 849 | 146 | 7.1 | 23.5 | 6.5 | 7.1 | 83 |

| 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 (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 13... | 0830 | 766 | 14 | 78 | 21 | 0 | 0 | 5.7 | 1.6 | 3.5 | 25 |
| JAN 11... | 0900 | 765 | 88 | 500 | 20 | 4 | 4 | 5.7 | 1.4 | 4.8 | 33 |
| APR 12... | 0705 | 762 | 66 | 110 | 23 | 5 | 5 | 7.1 | 1.3 | 3.5 | 24 |
| JUL 26... | 0800 | 764 | 5 | 72 | 20 | 3 | 3 | 5.5 | 1.5 | 4.5 | 31 |

| DATE | TIME | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 13... | 0830 | .3 | 1.2 | 21 | 6.3 | 4.2 | .10 | 4.0 | 43 | 40 | .06 |
| JAN 11... | 0900 | .5 | 1.2 | 16 | 11 | 3.9 | <.10 | 6.9 | 64 | 45 | .09 |
| APR 12... | 0705 | .3 | 1.1 | 18 | 8.1 | 4.4 | <.10 | 6.7 | 38 | 44 | .05 |
| JUL 26... | 0800 | .5 | 1.2 | 17 | 9.4 | 6.8 | .20 | 5.1 | 52 | 45 | .07 |

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, DISSOLVED (MG/L AS P) (00666) | 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) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 13... | 0830 | <.100 | .080 | .20 | .040 | .010 | .020 | 10 | <1 | 54 | <.5 |
| JAN 11... | 0900 | .230 | .090 | .60 | .050 | .030 | .020 | 20 | <1 | 27 | <.5 |
| APR 12... | 0705 | .190 | .110 | .60 | .070 | .010 | <.010 | 40 | 1 | 31 | <.5 |
| JUL 26... | 0800 | .130 | .060 | .70 | .030 | <.010 | <.010 | 30 | 1 | 34 | 1 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 13... | 0830 | <1 | 2 | <3 | <1 | 130 | 1 | 5 | 56 | <.1 |
| JAN 11... | 0900 | <1 | <1 | <3 | 2 | 71 | 1 | <4 | 8 | <.1 |
| APR 12... | 0705 | <1 | <1 | <3 | 4 | 340 | 1 | <4 | 53 | .1 |
| JUL 26... | 0800 | <1 | <1 | <3 | 2 | 210 | 2 | 4 | 40 | <.1 |

| 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) | 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 13... | 0830 | <10 | <1 | <1 | <1 | 42 | 5 | 13 | 41 | 83 |
| JAN 11... | 0900 | <10 | 1 | <1 | <1 | 46 | <3 | 38 | 931 | 94 |
| APR 12... | 0705 | <10 | 3 | <1 | <1 | 59 | 16 | 31 | 1510 | 89 |
| JUL 26... | 0800 | <10 | 3 | <1 | <1 | 52 | 10 | 12 | 28 | 91 |

## 07362065 OUACHITA RIVER BELOW CAMDEN, AR

LOCATION.--Lat 33°29'03", long 92°45'11", in NE 1/4 SE 1/4 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 $mi^2$.

PERIOD OF RECORD.--July 1969 to September 1972, November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1010 | 9 | 9827 | 9827 | 1210 | -- | 6.9 | 12.0 | 11.0 | 20 |
| DEC | | | | | | | | | | |
| 06... | 1030 | 9 | 9827 | 9827 | 27700 | -- | 6.4 | 8.0 | 11.0 | 70 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1056 | 9 | 9827 | 9827 | -- | 4430 | 6.4 | 6.0 | 4.0 | 15 |
| FEB | | | | | | | | | | |
| 21... | 1120 | 9 | 9827 | 9827 | -- | 7710 | 6.5 | 15.0 | 11.0 | 30 |
| MAR | | | | | | | | | | |
| 20... | 1044 | 9 | 9827 | 9827 | 18000 | -- | 6.7 | 11.0 | 14.0 | 35 |
| APR | | | | | | | | | | |
| 24... | 1058 | 9 | 9827 | 9827 | -- | 5770 | 6.6 | 25.0 | 18.0 | 20 |
| MAY | | | | | | | | | | |
| 22... | 1045 | 9 | 9827 | 9827 | -- | 3300 | -- | 26.0 | 20.0 | 30 |
| JUN | | | | | | | | | | |
| 19... | 1101 | 9 | 9827 | 9827 | 3200 | -- | 6.9 | 32.0 | 28.0 | 20 |
| JUL | | | | | | | | | | |
| 31... | 1103 | 9 | 9827 | 9827 | -- | -- | 6.9 | 24.0 | 22.0 | 35 |
| AUG | | | | | | | | | | |
| 28... | 1130 | 9 | 9827 | 9827 | -- | 2130 | -- | 27.0 | 25.0 | 30 |
| SEP | | | | | | | | | | |
| 25... | 1100 | 9 | 9827 | 9827 | -- | 858 | 7.0 | 29.0 | 27.0 | 25 |

| DATE | TIME | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1010 | 8.7 | 1.1 | 32 | 2.0 | 11 | 72 | .10 | 16 | .08 |
| DEC | | | | | | | | | | |
| 06... | 1030 | 9.2 | 2.4 | 640 | 7.0 | 7.0 | 75 | .10 | 94 | .19 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1056 | 12.2 | 2.6 | 24 | 9.0 | 9.5 | 72 | .10 | 16 | .18 |
| FEB | | | | | | | | | | |
| 21... | 1120 | 9.5 | 1.8 | 44 | 8.0 | 8.5 | 73 | .10 | 26 | .15 |
| MAR | | | | | | | | | | |
| 20... | 1044 | 8.4 | 1.5 | 190 | 7.0 | 5.5 | 67 | .09 | 30 | .13 |
| APR | | | | | | | | | | |
| 24... | 1058 | 8.8 | 2.1 | 40 | 9.0 | 8.5 | 71 | .10 | 20 | .18 |
| MAY | | | | | | | | | | |
| 22... | 1045 | 7.4 | 1.8 | 130 | 8.0 | 6.5 | -- | -- | 44 | .19 |
| JUN | | | | | | | | | | |
| 19... | 1101 | 8.6 | 2.5 | 24 | 6.0 | 7.5 | 51 | .07 | 20 | .13 |
| JUL | | | | | | | | | | |
| 31... | 1103 | 7.9 | 2.1 | -- | -- | 9.5 | 72 | .10 | 26 | -- |
| AUG | | | | | | | | | | |
| 28... | 1130 | 7.6 | 2.7 | 240 | 6.0 | 11 | 82 | .11 | 30 | .16 |
| SEP | | | | | | | | | | |
| 25... | 1100 | 8.5 | 2.7 | 12 | 10 | 9.5 | 62 | .08 | 15 | .12 |

07362065 OUACHITA RIVER BELOW CAMDEN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1010 | <.010 | .040 | .050 | <5 | 0 | <1 | 16 | 16 | <5 |
| DEC | | | | | | | | | | |
| 06... | 1030 | .070 | .130 | .010 | -- | 0 | 4 | 20 | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1056 | .050 | .050 | <.010 | -- | 0 | 1 | -- | -- | -- |
| FEB | | | | | | | | | | |
| 21... | 1120 | .040 | .080 | .030 | <5 | 0 | 2 | 26 | 29 | <5 |
| MAR | | | | | | | | | | |
| 20... | 1044 | .040 | .020 | .030 | -- | 0 | <1 | 25 | 17 | -- |
| APR | | | | | | | | | | |
| 24... | 1058 | .010 | .120 | .030 | <5 | 0 | <1 | 24 | 18 | <5 |
| MAY | | | | | | | | | | |
| 22... | 1045 | .110 | .100 | .010 | -- | 0 | 2 | 14 | -- | -- |
| JUN | | | | | | | | | | |
| 19... | 1101 | .030 | -- | .020 | -- | 0 | <1 | 22 | -- | -- |
| JUL | | | | | | | | | | |
| 31... | 1103 | -- | .100 | -- | -- | 0 | <1 | 23 | 20 | -- |
| AUG | | | | | | | | | | |
| 28... | 1130 | .020 | .090 | .050 | <5 | 0 | -- | -- | -- | <5 |
| SEP | | | | | | | | | | |
| 25... | 1100 | .080 | .110 | .070 | -- | 0 | 1 | 19 | 15 | -- |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 1010 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 06... | 1030 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB, 1984 | | | | | | | | | | |
| 21... | 1120 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 20... | 1044 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 24... | 1058 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 19... | 1101 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 31... | 1103 | 70 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| AUG | | | | | | | | | | |
| 28... | 1130 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 25... | 1100 | 10 | -- | -- | -- | -- | -- | -- | -- | -- |

## 07362100 SMACKOVER CREEK NEAR SMACKOVER, AR

LOCATION.--Lat 33°22'33", long 92°46'37", in NW 1/4 SE 1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi 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 Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 376 $ft^3/s$, 13.26 in/yr, 272,400 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 discharge above base of 2,400 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage Height (ft) |
|---|---|---|---|
| Feb. 14 | 2200 | 2,570 | 13.47 |
| Mar. 7 | 0100 | 3,000 | 13.62 |
| Mar. 18 | 2400 | *3,010 | 13.63 |

Minimum discharge, 0.55 $ft^3/s$ Oct. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.4 | 1.0 | 85 | 200 | 182 | 1670 | 1230 | 214 | 32 | 425 | 23 | 61 |
| 2 | 2.3 | 1.0 | 80 | 170 | 167 | 1460 | 989 | 488 | 29 | 135 | 22 | 66 |
| 3 | 1.5 | 1.7 | 609 | 150 | 165 | 1160 | 1220 | 1130 | 27 | 75 | 25 | 54 |
| 4 | 1.1 | 2.2 | 1150 | 120 | 170 | 1400 | 1490 | 1570 | 25 | 54 | 49 | 56 |
| 5 | .83 | 3.0 | 1370 | 100 | 178 | 2230 | 1460 | 1650 | 24 | 53 | 75 | 74 |
| 6 | 1.1 | 4.6 | 1190 | 100 | 167 | 2860 | 1180 | 1440 | 28 | 84 | 171 | 64 |
| 7 | 1.7 | 6.5 | 867 | 95 | 148 | 2940 | 903 | 1210 | 53 | 119 | 73 | 51 |
| 8 | 1.2 | 8.2 | 741 | 90 | 135 | 2560 | 598 | 860 | 53 | 96 | 53 | 41 |
| 9 | .96 | 9.5 | 407 | 160 | 137 | 2050 | 649 | 416 | 55 | 69 | 233 | 42 |
| 10 | .84 | 11 | 244 | 292 | 183 | 1560 | 755 | 255 | 44 | 63 | 855 | 71 |
| 11 | .96 | 11 | 1020 | 534 | 286 | 1020 | 769 | 182 | 34 | 45 | 1200 | 97 |
| 12 | 1.5 | 11 | 1700 | 622 | 835 | 748 | 769 | 145 | 28 | 33 | 1380 | 89 |
| 13 | 1.9 | 11 | 2100 | 591 | 2080 | 928 | 704 | 122 | 24 | 29 | 967 | 61 |
| 14 | 2.8 | 11 | 2060 | 492 | 2460 | 1060 | 559 | 107 | 25 | 27 | 322 | 44 |
| 15 | 2.9 | 12 | 1770 | 326 | 2430 | 1010 | 395 | 95 | 23 | 24 | 249 | 35 |
| 16 | 2.1 | 12 | 1370 | 246 | 2140 | 924 | 293 | 85 | 22 | 23 | 185 | 30 |
| 17 | 1.5 | 12 | 803 | 216 | 1940 | 1540 | 254 | 76 | 21 | 81 | 138 | 26 |
| 18 | 1.1 | 13 | 421 | 207 | 1610 | 2590 | 235 | 68 | 27 | 281 | 133 | 25 |
| 19 | 1.4 | 16 | 347 | 204 | 1180 | 2770 | 484 | 63 | 25 | 260 | 104 | 23 |
| 20 | 2.0 | 40 | 331 | 197 | 829 | 2120 | 1000 | 71 | 24 | 108 | 95 | 22 |
| 21 | 1.7 | 54 | 339 | 190 | 575 | 1520 | 1490 | 89 | 21 | 59 | 109 | 21 |
| 22 | 1.7 | 58 | 618 | 177 | 422 | 935 | 1300 | 102 | 19 | 41 | 127 | 20 |
| 23 | 1.8 | 78 | 726 | 198 | 344 | 534 | 779 | 99 | 18 | 32 | 173 | 43 |
| 24 | 1.9 | 84 | 660 | 483 | 302 | 787 | 358 | 84 | 17 | 28 | 437 | 43 |
| 25 | 1.8 | 82 | 600 | 679 | 270 | 957 | 237 | 70 | 16 | 25 | 540 | 36 |
| 26 | 1.9 | 76 | 640 | 657 | 307 | 1010 | 195 | 59 | 15 | 24 | 416 | 30 |
| 27 | 1.8 | 78 | 500 | 530 | 1120 | 998 | 175 | 50 | 23 | 24 | 179 | 26 |
| 28 | 1.6 | 111 | 200 | 363 | 1650 | 1280 | 175 | 44 | 331 | 26 | 104 | 24 |
| 29 | 1.7 | 116 | 210 | 275 | 1860 | 1480 | 168 | 46 | 646 | 27 | 79 | 22 |
| 30 | 1.3 | 100 | 210 | 231 | --- | 1490 | 175 | 43 | 661 | 25 | 63 | 20 |
| 31 | 1.1 | --- | 220 | 204 | --- | 1310 | --- | 38 | --- | 24 | 53 | --- |
| TOTAL | 51.39 | 1034.7 | 23588 | 9099 | 24272 | 46901 | 20988 | 10971 | 2390 | 2419 | 8632 | 1317 |
| MEAN | 1.66 | 34.5 | 761 | 294 | 837 | 1513 | 700 | 354 | 79.7 | 78.0 | 278 | 43.9 |
| MAX | 3.4 | 116 | 2100 | 679 | 2460 | 2940 | 1490 | 1650 | 661 | 425 | 1380 | 97 |
| MIN | .83 | 1.0 | 80 | 90 | 135 | 534 | 168 | 38 | 15 | 23 | 22 | 20 |
| CFSM | .00 | .09 | 1.98 | .76 | 2.17 | 3.93 | 1.82 | .92 | .21 | .20 | .72 | .11 |
| IN. | .00 | .10 | 2.28 | .88 | 2.35 | 4.53 | 2.03 | 1.06 | .23 | .23 | .83 | .13 |
| AC-FT | 102 | 2050 | 46790 | 18050 | 48140 | 93030 | 41630 | 21760 | 4740 | 4800 | 17120 | 2610 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 135054.86 | MEAN | 370 | MAX | 3670 | MIN | .44 | CFSM | .96 | IN. | 13.05 | AC-FT | 267900 |
| WTR YR 1984 | TOTAL | 151663.09 | MEAN | 414 | MAX | 2940 | MIN | .83 | CFSM | 1.08 | IN. | 14.65 | AC-FT | 300800 |

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR

LOCATION.--33°22'46", long 92°43'09", in NE 1/4 sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi north of Smackover.

DRAINAGE AREA.--411 $mi^2$.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1030 | 9 | 9827 | 9827 | 1.0 | 6.2 | 24.0 | 20.0 | 5.6 | 4.5 | 44 |
| NOV | | | | | | | | | | | |
| 15... | 0938 | 9 | 9827 | 9827 | 13 | 6.3 | 13.0 | 12.0 | 5.4 | 9.6 | 33 |
| DEC | | | | | | | | | | | |
| 06... | 1000 | 9 | 9827 | 9827 | 1290 | 5.6 | 9.0 | 11.0 | 25 | 7.2 | 49 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1023 | 9 | 9827 | 9827 | 522 | 4.9 | 7.0 | 3.0 | 40 | 12.6 | 32 |
| FEB | | | | | | | | | | | |
| 21... | 1128 | 9 | 9827 | 9827 | 621 | 5.3 | 15.0 | 10.0 | 15 | -- | 30 |
| MAR | | | | | | | | | | | |
| 20... | 1023 | 9 | 9827 | 9827 | 2290 | 5.6 | 10.0 | 14.0 | 20 | 6.1 | 30 |
| APR | | | | | | | | | | | |
| 24... | 1028 | 9 | 9827 | 9827 | 387 | 5.9 | 26.0 | 18.0 | 20 | 6.6 | 33 |
| MAY | | | | | | | | | | | |
| 22... | 1030 | 9 | 9827 | 9827 | 110 | -- | 25.0 | 22.0 | 25 | 5.9 | 38 |
| JUN | | | | | | | | | | | |
| 19... | 1040 | 9 | 9827 | 9827 | 27 | 6.1 | 32.0 | 28.0 | 20 | 8.0 | 43 |
| JUL | | | | | | | | | | | |
| 31... | 1030 | 9 | 9827 | 9827 | 26 | 6.1 | 26.0 | 25.0 | 40 | 6.4 | -- |
| AUG | | | | | | | | | | | |
| 28... | 1100 | 9 | 9827 | 9827 | 112 | -- | 28.0 | 25.0 | 25 | 5.6 | -- |
| SEP | | | | | | | | | | | |
| 25... | 1030 | 9 | 9827 | 9827 | 39 | 6.5 | 27.0 | 24.0 | 25 | 10.9 | 68 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 1030 | .7 | 8 | 6.0 | 660 | 1350 | 1.8 | 6 | .03 | .010 | .19 |
| NOV | | | | | | | | | | | |
| 15... | 0938 | 3.9 | 80 | 2.0 | 750 | 1570 | 2.1 | 6 | .05 | <.010 | -- |
| DEC | | | | | | | | | | | |
| 06... | 1000 | 2.3 | 590 | 9.0 | 90 | 325 | .44 | 18 | .13 | .070 | .33 |
| JAN, 1984 | | | | | | | | | | | |
| 24... | 1023 | 2.0 | 46 | 11 | 390 | 762 | 1.0 | 54 | .13 | .160 | -- |
| FEB | | | | | | | | | | | |
| 21... | 1128 | -- | 4 | 8.0 | 190 | 377 | .51 | 12 | .02 | .040 | .86 |
| MAR | | | | | | | | | | | |
| 20... | 1023 | 1.2 | 140 | 6.0 | 58 | 160 | .22 | 8 | .02 | .020 | -- |
| APR | | | | | | | | | | | |
| 24... | 1028 | 1.6 | 110 | 7.0 | 200 | 400 | .54 | 18 | .06 | .070 | -- |
| MAY | | | | | | | | | | | |
| 22... | 1030 | 3.5 | 70 | 5.0 | 250 | -- | -- | 15 | .03 | .100 | 1.2 |
| JUN | | | | | | | | | | | |
| 19... | 1040 | 5.1 | 20 | 5.0 | 300 | 622 | .85 | 17 | .02 | .040 | .66 |
| JUL | | | | | | | | | | | |
| 31... | 1030 | -- | 16 | -- | 220 | 431 | .59 | 22 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 28... | 1100 | 1.6 | 10 | 7.0 | 220 | 445 | .61 | 22 | .04 | .040 | .56 |
| SEP | | | | | | | | | | | |
| 25... | 1030 | -- | 8 | 3.0 | 200 | 382 | .52 | 24 | .01 | .010 | 1.9 |

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1030 | .20 | .23 | 1.0 | .010 | <.010 | 0 | -- | 17 | 23 |
| NOV | | | | | | | | | | |
| 15... | 0938 | <.10 | -- | -- | .010 | <.010 | 0 | 1 | 21 | 15 |
| DEC | | | | | | | | | | |
| 06... | 1000 | .40 | .53 | 2.3 | .060 | .010 | 0 | 2 | 30 | -- |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1023 | <.10 | -- | -- | .050 | <.010 | 1 | 2 | -- | -- |
| FEB | | | | | | | | | | |
| 21... | 1128 | .90 | .92 | 4.1 | .040 | .030 | 5 | 1 | 34 | 41 |
| MAR | | | | | | | | | | |
| 20... | 1023 | -- | -- | -- | .140 | .010 | 1 | <1 | 34 | 35 |
| APR | | | | | | | | | | |
| 24... | 1028 | -- | -- | -- | .110 | .020 | 0 | 1 | 43 | 21 |
| MAY | | | | | | | | | | |
| 22... | 1030 | 1.3 | 1.3 | 5.9 | .080 | .010 | 1 | 2 | 30 | -- |
| JUN | | | | | | | | | | |
| 19... | 1040 | .70 | .72 | 3.2 | -- | .020 | 0 | 1 | 22 | -- |
| JUL | | | | | | | | | | |
| 31... | 1030 | -- | -- | -- | .110 | -- | 0 | 2 | 28 | 42 |
| AUG | | | | | | | | | | |
| 28... | 1100 | .60 | .64 | 2.8 | .060 | .040 | 1 | -- | -- | -- |
| SEP | | | | | | | | | | |
| 25... | 1030 | 1.9 | 1.9 | 8.5 | .190 | .020 | 0 | 1 | 24 | 44 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1030 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| NOV | | | | | | | | | | |
| 15... | 0938 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| DEC | | | | | | | | | | |
| 06... | 1000 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB, 1984 | | | | | | | | | | |
| 21... | 1128 | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 20... | 1023 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 24... | 1028 | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 19... | 1040 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 31... | 1030 | 60 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| AUG | | | | | | | | | | |
| 28... | 1100 | 120 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 25... | 1030 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |

07362550 MORO CREEK NEAR BANKS, AR

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi 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 RECORDS, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 15... | 0830 | 9 | 9827 | 9827 | -- | 6.6 | 10.0 | 13.0 | 7.5 | 6.4 |
| DEC | | | | | | | | | | |
| 06... | 0900 | 9 | 9827 | 9827 | 1840 | 5.4 | 15.0 | 10.0 | 20 | 7.4 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 0921 | 9 | 9827 | 9827 | 600 | 5.6 | 7.0 | 3.0 | 30 | 12.0 |
| FEB | | | | | | | | | | |
| 21... | 1000 | 9 | 9827 | 9827 | 760 | 5.6 | 12.0 | 10.0 | 20 | -- |
| MAR | | | | | | | | | | |
| 20... | 0920 | 9 | 9827 | 9827 | 890 | 5.9 | 7.0 | 13.0 | 20 | 6.9 |
| APR | | | | | | | | | | |
| 24... | 0915 | 9 | 9827 | 9827 | 300 | 6.4 | 27.0 | 17.0 | 25 | 7.3 |
| MAY | | | | | | | | | | |
| 22... | 0930 | 9 | 9827 | 9827 | 175 | -- | 26.0 | 21.0 | 45 | 6.2 |
| JUN | | | | | | | | | | |
| 19... | 0937 | 9 | 9827 | 9827 | 15 | 6.4 | 33.0 | 25.0 | 45 | 4.9 |
| JUL | | | | | | | | | | |
| 31... | 0918 | 9 | 9827 | 9827 | .00 | 6.6 | 28.0 | 23.0 | 40 | 3.6 |
| AUG | | | | | | | | | | |
| 09... | 0920 | 9 | 9827 | 9827 | -- | -- | -- | -- | -- | -- |
| 28... | 1000 | 9 | 9827 | 9827 | 215 | -- | 24.0 | 26.0 | 25 | 5.4 |
| SEP | | | | | | | | | | |
| 25... | 0930 | 9 | 9827 | 9827 | .00 | 6.5 | 28.0 | 23.0 | 40 | 4.9 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 0830 | 3.2 | 48 | 2.0 | 8.5 | 75 | .10 | 8 | <.01 |
| DEC | | | | | | | | | |
| 06... | 0900 | 2.6 | 400 | 7.0 | 5.0 | 68 | .09 | 8 | .02 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0921 | 2.7 | 160 | 9.0 | 7.5 | 80 | .11 | 22 | .10 |
| FEB | | | | | | | | | |
| 21... | 1000 | -- | 40 | 7.0 | 6.0 | 76 | .10 | 6 | .01 |
| MAR | | | | | | | | | |
| 20... | 0920 | 1.5 | 100 | 5.0 | 4.0 | 64 | .09 | 8 | .02 |
| APR | | | | | | | | | |
| 24... | 0915 | 2.5 | 170 | 9.0 | 8.5 | 127 | .17 | 21 | .07 |
| MAY | | | | | | | | | |
| 22... | 0930 | 1.9 | 7300 | 4.0 | 5.0 | -- | -- | 36 | .15 |
| JUN | | | | | | | | | |
| 19... | 0937 | 2.6 | 80 | 6.0 | 11 | 98 | .13 | 30 | .28 |
| JUL | | | | | | | | | |
| 31... | 0918 | 1.6 | 24 | -- | 7.5 | 107 | .15 | 20 | -- |
| AUG | | | | | | | | | |
| 28... | 1000 | 1.1 | 10 | 7.0 | 4.5 | 79 | .11 | 18 | .08 |
| SEP | | | | | | | | | |
| 25... | 0930 | 1.3 | 96 | 7.0 | 7.0 | 89 | .12 | 17 | .19 |

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 15... | 0830 | <.010 | .070 | .020 | 0 | <1 | 12 | 18 | 20 |
| DEC | | | | | | | | | |
| 06... | 0900 | .050 | .110 | .010 | 0 | 1 | 14 | -- | 20 |
| JAN, 1984 | | | | | | | | | |
| 24... | 0921 | .020 | .060 | .010 | 0 | 1 | -- | -- | -- |
| FEB | | | | | | | | | |
| 21... | 1000 | .020 | .060 | .040 | 0 | <1 | 18 | 8 | 20 |
| MAR | | | | | | | | | |
| 20... | 0920 | .030 | .080 | .020 | 0 | <1 | 20 | 10 | 0 |
| APR | | | | | | | | | |
| 24... | 0915 | .070 | .150 | .050 | 0 | 1 | 34 | 15 | 140 |
| MAY | | | | | | | | | |
| 22... | 0930 | .150 | .130 | .050 | 1 | 2 | 22 | -- | -- |
| JUN | | | | | | | | | |
| 19... | 0937 | .120 | -- | .070 | 0 | 2 | 22 | -- | 40 |
| JUL | | | | | | | | | |
| 31... | 0918 | -- | .180 | -- | 0 | 1 | 21 | 28 | 50 |
| AUG | | | | | | | | | |
| 28... | 1000 | .040 | .100 | .060 | 0 | -- | -- | -- | 40 |
| SEP | | | | | | | | | |
| 25... | 0930 | .020 | .160 | .100 | 0 | 3 | 19 | 41 | 0 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 0918 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

## 07363002 SALINE RIVER WEST OF BENTON, AR

LOCATION.--Lat 34°33'46', long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 0945 | 9 | 9827 | 9827 | 134 | 7.1 | 20.0 | 19.0 | 20 | 7.8 | -- |
| NOV | | | | | | | | | | | |
| 08... | 0930 | 9 | 9827 | 9827 | 30 | 7.1 | 13.0 | 14.0 | 3.0 | -- | 7 |
| DEC | | | | | | | | | | | |
| 13... | 0925 | 9 | 9827 | 9827 | 1350 | 6.7 | 7.0 | 9.0 | 10 | 10.1 | 11 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1015 | 9 | 9827 | 9827 | 280 | 7.1 | 12.0 | 6.0 | -- | 12.3 | 6 |
| FEB | | | | | | | | | | | |
| 14... | 0950 | 9 | 9827 | 9827 | 2690 | 6.6 | -- | 9.0 | 30 | 10.6 | 17 |
| MAR | | | | | | | | | | | |
| 13... | 0930 | 9 | 9827 | 9827 | 3500 | 6.7 | 9.0 | 9.0 | 35 | 11.0 | 11 |
| APR | | | | | | | | | | | |
| 10... | 0925 | 9 | 9827 | 9827 | 2060 | 6.9 | 18.0 | 14.0 | 20 | 9.2 | 12 |
| MAY | | | | | | | | | | | |
| 22... | 0845 | 9 | 9827 | 9827 | 377 | 7.3 | 20.0 | 21.0 | 4.6 | 7.7 | 9 |
| JUN | | | | | | | | | | | |
| 05... | 0930 | 9 | 9827 | 9827 | 147 | 6.8 | 25.0 | 23.0 | 5.6 | 7.7 | 6 |
| JUL | | | | | | | | | | | |
| 17... | 0945 | 9 | 9827 | 9827 | 59 | 6.9 | 22.0 | 27.0 | 8.0 | 6.8 | 13 |
| AUG | | | | | | | | | | | |
| 14... | 0935 | 9 | 9827 | 9827 | 27 | 7.3 | 24.0 | 25.0 | 6.2 | 7.6 | 5 |
| SEP | | | | | | | | | | | |
| 11... | 0940 | 9 | 9827 | 9827 | 14 | 7.4 | 25.0 | 25.0 | -- | 8.0 | 2 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 0945 | 1.1 | 1200 | 6.0 | 4.0 | 74 | .10 | 22 | .07 | .050 | -- |
| NOV | | | | | | | | | | | |
| 08... | 0930 | -- | 80 | 5.0 | 4.5 | 91 | .12 | 4 | .02 | .060 | .04 |
| DEC | | | | | | | | | | | |
| 13... | 0925 | 1.1 | 180 | 8.0 | 3.5 | 50 | .07 | 7 | .20 | .050 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1015 | .6 | <4 | 12 | 5.0 | 75 | .10 | 2 | .04 | .060 | 2.5 |
| FEB | | | | | | | | | | | |
| 14... | 0950 | .4 | 180 | 8.0 | 4.5 | 58 | .08 | 26 | .25 | .040 | .96 |
| MAR | | | | | | | | | | | |
| 13... | 0930 | .7 | 310 | 6.0 | 3.5 | 66 | .09 | 29 | .16 | .040 | .66 |
| APR | | | | | | | | | | | |
| 10... | 0925 | .7 | 130 | 7.0 | 2.5 | 58 | .08 | 16 | .10 | .040 | .36 |
| MAY | | | | | | | | | | | |
| 22... | 0845 | .6 | 140 | 4.0 | 3.0 | 64 | .09 | 6 | -- | .070 | .93 |
| JUN | | | | | | | | | | | |
| 05... | 0930 | 1.5 | 44 | 11 | 4.5 | 66 | .09 | 6 | .04 | .070 | -- |
| JUL | | | | | | | | | | | |
| 17... | 0945 | 1.3 | 170 | 8.0 | 3.5 | 62 | .08 | 11 | .19 | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 0935 | 1.5 | 180 | 7.0 | 4.5 | 80 | .11 | 10 | .11 | <.010 | -- |
| SEP | | | | | | | | | | | |
| 11... | 0940 | 2.0 | 140 | 4.0 | 3.0 | 91 | .12 | 8 | -- | .010 | .09 |

07363002 SALINE RIVER WEST OF BENTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 0945 | -- | -- | -- | .050 | <.010 | -- | 0 | <1 | 10 | 15 |
| NOV | | | | | | | | | | | |
| 08... | 0930 | .10 | .12 | .53 | .050 | .010 | <5 | 0 | 2 | 12 | -- |
| DEC | | | | | | | | | | | |
| 13... | 0925 | <.10 | -- | -- | .020 | -- | -- | 0 | 5 | 13 | 16 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1015 | 2.6 | 2.6 | 12 | .010 | <.010 | <5 | 1 | <1 | <10 | 13 |
| FEB | | | | | | | | | | | |
| 14... | 0950 | 1.0 | 1.3 | 5.5 | -- | .020 | -- | 0 | 2 | 20 | 10 |
| MAR | | | | | | | | | | | |
| 13... | 0930 | .70 | .86 | 3.8 | .070 | .020 | -- | 0 | 2 | 12 | -- |
| APR | | | | | | | | | | | |
| 10... | 0925 | .40 | .50 | 2.2 | .050 | .010 | <5 | 0 | <1 | 18 | 11 |
| MAY | | | | | | | | | | | |
| 22... | 0845 | 1.0 | -- | -- | .020 | <.010 | -- | 0 | <1 | 11 | 8 |
| JUN | | | | | | | | | | | |
| 05... | 0930 | -- | -- | -- | -- | .010 | -- | 0 | <1 | <10 | 16 |
| JUL | | | | | | | | | | | |
| 17... | 0945 | <.10 | -- | -- | .040 | .010 | -- | 0 | <1 | <10 | 12 |
| AUG | | | | | | | | | | | |
| 14... | 0935 | .30 | .41 | 1.8 | .040 | .010 | <5 | 0 | 2 | 19 | 3 |
| SEP | | | | | | | | | | | |
| 11... | 0940 | .10 | -- | -- | .050 | .020 | -- | 0 | 1 | <10 | 8 |

| DATE | TIME | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 08... | 0930 | <5 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1015 | <5 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | | |
| 14... | 0950 | -- | 390 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | | |
| 10... | 0925 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 22... | 0845 | -- | 270 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | |
| 05... | 0930 | -- | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | |
| 17... | 0945 | -- | 100 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| AUG | | | | | | | | | | | |
| 14... | 0935 | <5 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | | |
| 11... | 0940 | -- | 30 | -- | -- | -- | -- | -- | -- | -- | -- |

07363054 SALINE RIVER NEAR SHAW, AR

LOCATION.--Lat 34°29'56" long 92°33'46", in NW 1/4 NW 1/4 sec.1, T.3 S., R.15 W., Saline County, Hydrologic Unit 08040203, at Shaw Bridge 2.0 mi west of Shaw, Ark., and 2.0 mi east of Dotted Lake.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | | |
| 08... | 1000 | 9 | 9827 | 9827 | 7.2 | 13.0 | 15.0 | 5.5 | 7.4 | 10 | 1.4 |
| DEC | | | | | | | | | | | |
| 13... | 0956 | 9 | 9827 | 9827 | 6.9 | 5.0 | 9.0 | 20 | 9.8 | 14 | 1.4 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 1045 | 9 | 9827 | 9827 | 7.1 | 10.0 | 6.0 | -- | 12.2 | 7 | .8 |
| FEB | | | | | | | | | | | |
| 14... | 1020 | 9 | 9827 | 9827 | 6.6 | 12.0 | 9.0 | 40 | 10.2 | 15 | .9 |
| MAR | | | | | | | | | | | |
| 13... | 1000 | 9 | 9827 | 9827 | 6.9 | 9.0 | 9.0 | 40 | 11.0 | 11 | .6 |
| APR | | | | | | | | | | | |
| 10... | 1000 | 9 | 9827 | 9827 | 7.2 | 15.0 | 13.0 | 30 | 9.3 | 13 | 1.1 |
| MAY | | | | | | | | | | | |
| 22... | 0920 | 9 | 9827 | 9827 | 7.2 | 20.0 | 21.0 | 7.5 | 7.6 | 11 | 1.1 |
| JUN | | | | | | | | | | | |
| 05... | 1000 | 9 | 9827 | 9827 | 7.6 | 25.0 | 23.0 | 6.4 | 6.9 | 15 | 1.5 |
| JUL | | | | | | | | | | | |
| 16... | 1025 | 9 | 9827 | 9827 | 7.1 | 22.0 | 27.0 | 20 | 5.7 | 9 | 1.5 |
| AUG | | | | | | | | | | | |
| 14... | 1005 | 9 | 9827 | 9827 | 7.3 | 24.0 | 25.0 | 9.5 | 6.5 | 8 | 1.8 |
| SEP | | | | | | | | | | | |
| 11... | 1010 | 9 | 9827 | 9827 | 7.2 | 25.0 | 25.0 | -- | 6.2 | 8 | 3.4 |

| DATE | TIME | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1000 | 40 | 9.0 | 6.0 | 96 | .13 | 8 | .48 | .170 | -- |
| DEC | | | | | | | | | | |
| 13... | 0956 | 270 | 8.0 | 4.0 | 51 | .07 | 16 | .20 | .040 | -- |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1045 | 12 | 14 | 5.5 | 76 | .10 | 6 | .07 | .110 | -- |
| FEB | | | | | | | | | | |
| 14... | 1020 | 280 | 7.0 | 4.0 | 58 | .08 | 42 | .25 | .060 | 1.0 |
| MAR | | | | | | | | | | |
| 13... | 1000 | 710 | 6.0 | 3.0 | 67 | .09 | 40 | .15 | .040 | .56 |
| APR | | | | | | | | | | |
| 10... | 1000 | 280 | 5.0 | 2.0 | 57 | .08 | 23 | .11 | .060 | .64 |
| MAY | | | | | | | | | | |
| 22... | 0920 | 310 | 8.0 | 2.5 | 73 | .10 | 12 | -- | .120 | .88 |
| JUN | | | | | | | | | | |
| 05... | 1000 | 52 | 6.0 | 5.0 | 57 | .08 | 11 | .15 | .140 | 1.1 |
| JUL | | | | | | | | | | |
| 16... | 1025 | 110 | 11 | 4.0 | 68 | .09 | 8 | .32 | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1005 | 70 | 7.0 | 4.5 | 85 | .12 | 16 | .28 | .070 | .23 |
| SEP | | | | | | | | | | |
| 11... | 1010 | 40 | 15 | 6.5 | 108 | .15 | 8 | -- | .230 | .17 |

07363054 SALINE RIVER NEAR SHAW, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1000 | <.10 | -- | -- | .310 | .230 | 0 | 2 | <10 | -- |
| DEC | | | | | | | | | | |
| 13... | 0956 | <.10 | -- | -- | .040 | -- | 0 | 1 | 16 | 37 |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1045 | -- | -- | -- | .050 | .010 | 0 | <1 | <10 | 5 |
| FEB | | | | | | | | | | |
| 14... | 1020 | 1.1 | 1.4 | 6.0 | -- | .020 | <5 | 2 | 14 | 5 |
| MAR | | | | | | | | | | |
| 13... | 1000 | .60 | .75 | 3.3 | .090 | .020 | 0 | <1 | 15 | -- |
| APR | | | | | | | | | | |
| 10... | 1000 | .70 | .81 | 3.6 | .110 | .020 | 0 | <1 | 13 | 6 |
| MAY | | | | | | | | | | |
| 22... | 0920 | 1.0 | -- | -- | .070 | .010 | 0 | 1 | <10 | 10 |
| JUN | | | | | | | | | | |
| 05... | 1000 | 1.2 | 1.4 | 6.0 | -- | .040 | 0 | <1 | 10 | 10 |
| JUL | | | | | | | | | | |
| 16... | 1025 | <.10 | -- | -- | .150 | .090 | 0 | <1 | <10 | 8 |
| AUG | | | | | | | | | | |
| 14... | 1005 | .30 | .58 | 2.6 | .150 | .100 | 0 | <1 | <10 | 7 |
| SEP | | | | | | | | | | |
| 11... | 1010 | .40 | -- | -- | .470 | .370 | 0 | <1 | <10 | 8 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1000 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1045 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 1020 | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 0920 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 05... | 1000 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 16... | 1025 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1005 | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | |
| 11... | 1010 | 20 | -- | -- | -- | -- | -- | -- | -- | -- |

07363200 SALINE RIVER NEAR SHERIDAN, AR

LOCATION.--Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grand 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 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 1058 | 9 | 9827 | 9827 | 108 | 7.2 | 15.0 | 14.0 | 8.0 | 9.1 |
| DEC | | | | | | | | | | |
| 13... | 1056 | 9 | 9827 | 9827 | 3500 | 6.5 | 6.0 | 9.0 | 25 | 8.5 |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1140 | 9 | 9827 | 9827 | 890 | 6.9 | 10.0 | 7.0 | -- | 11.8 |
| FEB | | | | | | | | | | |
| 14... | 1110 | 9 | 9827 | 9827 | 2250 | 6.6 | 19.0 | 12.0 | 75 | 8.9 |
| MAR | | | | | | | | | | |
| 13... | 1055 | 9 | 9827 | 9827 | 2900 | 6.5 | 14.0 | 10.0 | 20 | 9.8 |
| APR | | | | | | | | | | |
| 10... | 1058 | 9 | 9827 | 9827 | 4200 | 6.7 | 22.0 | 15.0 | 15 | 7.7 |
| MAY | | | | | | | | | | |
| 22... | 1100 | 9 | 9827 | 9827 | 510 | 6.9 | 25.0 | 23.0 | 25 | 6.9 |
| JUN | | | | | | | | | | |
| 05... | 1105 | 9 | 9827 | 9827 | 385 | 6.9 | 30.0 | 24.0 | 25 | 6.8 |
| JUL | | | | | | | | | | |
| 17... | 1115 | 9 | 9827 | 9827 | 200 | 7.2 | 25.0 | 28.0 | 30 | 6.5 |
| AUG | | | | | | | | | | |
| 14... | 1100 | 9 | 9827 | 9827 | 395 | 6.8 | 28.0 | 25.0 | 30 | 6.5 |
| SEP | | | | | | | | | | |
| 11... | 1100 | 9 | 9827 | 9827 | 120 | 7.1 | 30.0 | 25.0 | -- | 7.1 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1058 | 1.2 | 68 | 21 | 5.0 | 97 | .13 | 8 | .14 |
| DEC | | | | | | | | | |
| 13... | 1056 | 1.8 | 190 | 9.0 | 4.0 | 59 | .08 | 18 | .13 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1140 | .8 | 16 | 17 | 7.0 | 80 | .11 | 14 | .10 |
| FEB | | | | | | | | | |
| 14... | 1110 | 1.8 | 230 | 15 | 6.5 | 85 | .12 | 100 | .10 |
| MAR | | | | | | | | | |
| 13... | 1055 | 1.1 | 60 | 7.0 | 3.0 | 58 | .08 | 13 | .11 |
| APR | | | | | | | | | |
| 10... | 1058 | .9 | 70 | 6.0 | 3.0 | 52 | .07 | 11 | .06 |
| MAY | | | | | | | | | |
| 22... | 1100 | 1.4 | 240 | 9.0 | 4.5 | 67 | .09 | 27 | -- |
| JUN | | | | | | | | | |
| 05... | 1105 | 1.3 | 22 | 7.0 | 5.0 | 51 | .07 | 30 | .18 |
| JUL | | | | | | | | | |
| 17... | 1115 | 1.2 | 80 | 9.0 | 5.0 | 73 | .10 | 26 | .12 |
| AUG | | | | | | | | | |
| 14... | 1100 | 1.9 | 100 | 6.0 | 4.5 | 72 | .10 | 28 | .17 |
| SEP | | | | | | | | | |
| 11... | 1100 | 1.7 | 95 | 4.0 | 5.5 | 78 | .11 | 24 | -- |

07363200 SALINE RIVER NEAR SHERIDAN, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1058 | .040 | .070 | .030 | 0 | 2 | 10 | -- | 50 |
| DEC | | | | | | | | | |
| 13... | 1056 | .030 | .050 | -- | 0 | 1 | 13 | 31 | -- |
| JAN, 1984 | | | | | | | | | |
| 31... | 1140 | .060 | .040 | <.010 | 0 | <1 | 20 | 8 | 70 |
| FEB | | | | | | | | | |
| 14... | 1110 | .100 | -- | .020 | 0 | 3 | 16 | 6 | 80 |
| MAR | | | | | | | | | |
| 13... | 1055 | .010 | .070 | .010 | 0 | <1 | 18 | -- | -- |
| APR | | | | | | | | | |
| 10... | 1058 | .050 | .100 | .010 | <5 | <1 | 19 | 7 | -- |
| MAY | | | | | | | | | |
| 22... | 1100 | .130 | .060 | .020 | 0 | 2 | <10 | <1 | 0 |
| JUN | | | | | | | | | |
| 05... | 1105 | .180 | -- | .030 | 0 | <1 | 10 | <1 | 20 |
| JUL | | | | | | | | | |
| 17... | 1115 | -- | .070 | .030 | 0 | <1 | 10 | 13 | 40 |
| AUG | | | | | | | | | |
| 14... | 1100 | .060 | .080 | .050 | 0 | <1 | 15 | 8 | -- |
| SEP | | | | | | | | | |
| 11... | 1100 | .010 | .090 | .030 | 0 | <1 | 24 | 16 | 50 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| AUG, 1984 | | | | | | | | | |
| 14... | 1100 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07363270 HURRICANE CREEK NEAR SARDIS, AR

LOCATION.--Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.

DRAINAGE AREA.--66.0 $mi^2$.

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 0855 | 9 | 9827 | 9827 | 34 | 7.4 | 22.0 | 18.0 | 800 | 7.6 | 29 |
| NOV | | | | | | | | | | | |
| 08... | 0856 | 9 | 9827 | 9827 | 23 | 9.1 | 15.0 | 13.0 | 7.0 | 8.6 | 23 |
| DEC | | | | | | | | | | | |
| 13... | 0845 | 9 | 9827 | 9827 | 112 | 8.8 | 7.0 | 9.0 | 20 | 10.0 | 20 |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 0925 | 9 | 9827 | 9827 | 26 | 7.5 | 9.0 | 5.0 | -- | 12.0 | 16 |
| FEB | | | | | | | | | | | |
| 14... | 0915 | 9 | 9827 | 9827 | 124 | 8.5 | 11.0 | 9.0 | 15 | 10.1 | 23 |
| MAR | | | | | | | | | | | |
| 13... | 0850 | 9 | 9827 | 9827 | 460 | 8.8 | 9.0 | 9.0 | 25 | 10.2 | 16 |
| APR | | | | | | | | | | | |
| 10... | 0845 | 9 | 9827 | 9827 | 220 | 7.8 | 18.0 | 14.0 | 20 | 8.9 | 17 |
| MAY | | | | | | | | | | | |
| 22... | 1440 | 9 | 9827 | 9827 | 20 | 8.3 | 29.0 | 23.0 | 9.0 | 8.0 | 22 |
| JUN | | | | | | | | | | | |
| 05... | 0850 | 9 | 9827 | 9827 | 4.0 | 8.6 | 25.0 | 22.0 | 7.5 | 7.5 | -- |
| JUL | | | | | | | | | | | |
| 17... | 0900 | 9 | 9827 | 9827 | -- | 7.1 | 22.0 | 25.0 | 20 | 6.5 | 30 |
| AUG | | | | | | | | | | | |
| 14... | 0855 | 9 | 9827 | 9827 | 106 | 7.5 | 26.0 | 23.0 | 4.0 | 7.6 | 13 |
| SEP | | | | | | | | | | | |
| 11... | 0857 | 9 | 9827 | 9827 | 128 | 7.4 | 26.0 | 24.0 | -- | 6.1 | 19 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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, ORGANIC TOTAL (MG/L AS N) (00605) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 18... | 0855 | 2.2 | 2300 | 140 | 8.0 | 344 | .47 | 516 | .27 | .180 | .22 |
| NOV | | | | | | | | | | | |
| 08... | 0856 | 1.0 | 52 | 250 | 22 | 748 | 1.0 | 9 | .35 | .020 | -- |
| DEC | | | | | | | | | | | |
| 13... | 0845 | 1.8 | 52 | 79 | 7.0 | 205 | .28 | 21 | .41 | .110 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 31... | 0925 | 1.4 | 8 | 250 | 8.0 | 471 | .64 | 24 | .29 | .260 | 1.4 |
| FEB | | | | | | | | | | | |
| 14... | 0915 | 1.6 | 72 | 41 | 7.5 | 149 | .20 | 21 | .30 | .080 | 1.1 |
| MAR | | | | | | | | | | | |
| 13... | 0850 | .9 | 85 | 45 | 6.0 | 152 | .21 | 21 | .23 | .110 | .69 |
| APR | | | | | | | | | | | |
| 10... | 0845 | 1.8 | 140 | 200 | 6.5 | 417 | .57 | 30 | .16 | .120 | .58 |
| MAY | | | | | | | | | | | |
| 22... | 1440 | 1.2 | 2900 | 160 | 8.5 | 538 | .73 | 10 | -- | .080 | 1.1 |
| JUN | | | | | | | | | | | |
| 05... | 0850 | 2.0 | 160 | 390 | 21 | 912 | 1.2 | 13 | .17 | .100 | 1.2 |
| JUL | | | | | | | | | | | |
| 17... | 0900 | 2.2 | 380 | 81 | 6.5 | 180 | .24 | 18 | .20 | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 0855 | 1.2 | 96 | 330 | 7.5 | 571 | .78 | 8 | .23 | .010 | .29 |
| SEP | | | | | | | | | | | |
| 11... | 0857 | 1.2 | 460 | 250 | 6.0 | 566 | .77 | 6 | -- | <.010 | -- |

07363270 HURRICANE CREEK NEAR SARDIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | NITROGEN, TOTAL (MG/L AS NO3) (71887) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 0855 | .40 | .67 | 3.0 | .220 | .020 | 0 | 15 | 20 | 33 |
| NOV | | | | | | | | | | |
| 08... | 0856 | <.10 | -- | -- | .060 | .010 | 0 | 7 | 11 | -- |
| DEC | | | | | | | | | | |
| 13... | 0845 | <.10 | -- | -- | .060 | -- | 0 | 4 | <10 | 12 |
| JAN, 1984 | | | | | | | | | | |
| 31... | 0925 | 1.7 | 2.0 | 8.8 | .030 | <.010 | 1 | 3 | 12 | 13 |
| FEB | | | | | | | | | | |
| 14... | 0915 | 1.2 | 1.5 | 6.6 | -- | .010 | 0 | 1 | 11 | 8 |
| MAR | | | | | | | | | | |
| 13... | 0850 | .80 | 1.0 | 4.6 | .090 | .040 | 0 | 1 | 13 | -- |
| APR | | | | | | | | | | |
| 10... | 0845 | .70 | .86 | 3.8 | .080 | .010 | 0 | 2 | 16 | 23 |
| MAY | | | | | | | | | | |
| 22... | 1440 | 1.2 | -- | -- | .050 | .010 | 0 | 4 | 22 | 23 |
| JUN | | | | | | | | | | |
| 05... | 0850 | 1.3 | 1.5 | 6.5 | -- | .020 | 0 | 6 | <10 | 23 |
| JUL | | | | | | | | | | |
| 17... | 0900 | .70 | .90 | 4.0 | .050 | .010 | 0 | 1 | 14 | 11 |
| AUG | | | | | | | | | | |
| 14... | 0855 | .30 | .53 | 2.3 | .020 | .010 | 0 | <1 | 16 | 7 |
| SEP | | | | | | | | | | |
| 11... | 0857 | .30 | -- | -- | .040 | .010 | 0 | <1 | <10 | 16 |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | | |
| 08... | 0856 | 40 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 31... | 0925 | 90 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 14... | 0915 | 140 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1440 | 350 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 05... | 0850 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 17... | 0900 | 70 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| SEP | | | | | | | | | | |
| 11... | 0857 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |

## 07363300 HURRICANE CREEK NEAR SHERIDAN, AR

LOCATION.--Lat 34°19'10", long 92°20'40", in NW 1/4 NE 1/4 sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi 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 Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--23 years, 230 $ft^3/s$, 15.31 in/yr, 166,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 $ft^3/s$ Apr. 24, 1964, gage height, 15.93 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.--Maximum discharge, 12,200 $ft^3/s$ May 3, at 1300 hours, gage height, 16.12 ft, no other peak above base of 5,000 $ft^3/s$; minimum discharge, 0.24 $ft^3/s$ Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.7 | 8.1 | 33 | 100 | 106 | 1050 | 827 | 67 | 64 | 9.9 | 4.6 | 15 |
| 2 | 1.3 | 9.5 | 39 | 90 | 87 | 518 | 420 | 642 | 58 | 9.2 | 3.4 | 14 |
| 3 | .76 | 11 | 165 | 80 | 88 | 307 | 839 | 8480 | 46 | 9.3 | 12 | 17 |
| 4 | .65 | 13 | 517 | 70 | 100 | 252 | 1700 | 4100 | 38 | 9.1 | 24 | 13 |
| 5 | .60 | 16 | 882 | 60 | 110 | 761 | 1470 | 2260 | 35 | 10 | 27 | 8.7 |
| 6 | .47 | 16 | 533 | 60 | 95 | 1560 | 1030 | 1570 | 34 | 11 | 17 | 5.9 |
| 7 | .61 | 20 | 323 | 50 | 75 | 1380 | 453 | 1200 | 37 | 11 | 11 | 3.8 |
| 8 | .49 | 21 | 194 | 50 | 60 | 1100 | 347 | 1150 | 31 | 11 | 7.7 | 3.0 |
| 9 | .48 | 20 | 121 | 40 | 50 | 536 | 656 | 1200 | 28 | 12 | 5.1 | 2.4 |
| 10 | .41 | 21 | 113 | 60 | 130 | 302 | 1120 | 933 | 25 | 9.6 | 6.9 | 2.0 |
| 11 | .38 | 22 | 399 | 131 | 100 | 264 | 939 | 570 | 18 | 8.7 | 9.9 | 2.2 |
| 12 | .63 | 23 | 999 | 136 | 150 | 357 | 507 | 287 | 15 | 8.1 | 18 | 2.9 |
| 13 | 1.0 | 25 | 1060 | 119 | 450 | 821 | 328 | 171 | 16 | 8.3 | 16 | 7.4 |
| 14 | 2.5 | 24 | 752 | 111 | 420 | 1090 | 233 | 127 | 21 | 8.4 | 12 | 8.5 |
| 15 | 5.1 | 24 | 593 | 102 | 320 | 744 | 167 | 102 | 21 | 9.0 | 11 | 9.2 |
| 16 | 4.4 | 24 | 394 | 96 | 250 | 404 | 135 | 80 | 19 | 8.4 | 11 | 59 |
| 17 | 4.6 | 23 | 229 | 92 | 350 | 323 | 116 | 71 | 13 | 12 | 13 | 40 |
| 18 | 6.9 | 21 | 162 | 90 | 300 | 324 | 110 | 65 | 11 | 23 | 11 | 24 |
| 19 | 16 | 22 | 139 | 85 | 220 | 311 | 103 | 59 | 9.9 | 19 | 11 | 23 |
| 20 | 7.1 | 26 | 131 | 90 | 300 | 261 | 103 | 54 | 12 | 14 | 12 | 22 |
| 21 | 3.6 | 45 | 131 | 82 | 240 | 207 | 97 | 55 | 21 | 10 | 9.9 | 22 |
| 22 | 2.8 | 28 | 349 | 74 | 190 | 164 | 85 | 62 | 22 | 7.4 | 8.5 | 22 |
| 23 | 6.9 | 29 | 518 | 76 | 130 | 132 | 74 | 84 | 20 | 5.2 | 16 | 25 |
| 24 | 7.3 | 69 | 520 | 297 | 96 | 152 | 62 | 310 | 19 | 4.0 | 13 | 69 |
| 25 | 5.1 | 58 | 370 | 511 | 86 | 343 | 57 | 307 | 12 | 3.8 | 17 | 68 |
| 26 | 3.6 | 27 | 290 | 398 | 92 | 324 | 50 | 132 | 10 | 4.1 | 19 | 31 |
| 27 | 10 | 20 | 230 | 263 | 646 | 322 | 51 | 80 | 9.8 | 3.0 | 15 | 23 |
| 28 | 14 | 25 | 190 | 188 | 1630 | 2300 | 58 | 96 | 9.7 | 2.8 | 11 | 21 |
| 29 | 13 | 51 | 160 | 154 | 1520 | 3810 | 50 | 272 | 9.9 | 6.9 | 8.9 | 19 |
| 30 | 10 | 38 | 140 | 132 | --- | 2420 | 45 | 178 | 10 | 5.6 | 17 | 16 |
| 31 | 9.4 | --- | 120 | 114 | --- | 1550 | --- | 94 | --- | 4.8 | 20 | --- |
| TOTAL | 141.78 | 779.6 | 10796 | 4001 | 8391 | 24389 | 12232 | 24858 | 695.3 | 278.6 | 398.9 | 599.0 |
| MEAN | 4.57 | 26.0 | 348 | 129 | 289 | 787 | 408 | 802 | 23.2 | 8.99 | 12.9 | 20.0 |
| MAX | 16 | 69 | 1060 | 511 | 1630 | 3810 | 1700 | 8480 | 64 | 23 | 27 | 69 |
| MIN | .38 | 8.1 | 33 | 40 | 50 | 132 | 45 | 54 | 9.7 | 2.8 | 3.4 | 2.0 |
| CFSM | .02 | .13 | 1.71 | .63 | 1.42 | 3.86 | 2.00 | 3.93 | .11 | .04 | .06 | .10 |
| IN. | .03 | .14 | 1.97 | .73 | 1.53 | 4.45 | 2.23 | 4.53 | .13 | .05 | .07 | .11 |
| AC-FT | 281 | 1550 | 21410 | 7940 | 16640 | 48380 | 24260 | 49310 | 1380 | 553 | 791 | 1190 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 95373.78 | MEAN | 261 | MAX | 7110 | MIN | .00 | CFSM | 1.28 | IN. | 17.39 | AC-FT | 189200 |
| WTR YR 1984 | TOTAL | 87560.18 | MEAN | 239 | MAX | 8480 | MIN | .38 | CFSM | 1.17 | IN. | 15.97 | AC-FT | 173700 |

07363465 BIG CREEK NEAR PANSY, AR

LOCATION.--Lat 33°49'44", long 92°04'58", in NE 1/4 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 Pansey.

DRAINAGE AREA.--157 $mi^2$.

PERIOD OF RECORD.--November 1983 to September 1984.

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

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1208 | 9 | 9827 | 9827 | 6.4 | 17.0 | 15.0 | 38 | 6.1 |
| DEC | | | | | | | | | |
| 13... | 1216 | 9 | 9827 | 9827 | 5.6 | 10.0 | 10.0 | 27 | 8.3 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1320 | 9 | 9827 | 9827 | 5.4 | 21.0 | 7.0 | -- | 11.6 |
| FEB | | | | | | | | | |
| 14... | 1215 | 9 | 9827 | 9827 | 5.4 | 22.0 | 12.0 | 35 | 7.9 |
| MAR | | | | | | | | | |
| 13... | 1230 | 9 | 9827 | 9827 | 5.3 | 23.0 | 13.0 | 25 | 9.7 |
| APR | | | | | | | | | |
| 10... | 1225 | 9 | 9827 | 9827 | 5.9 | 24.0 | 15.0 | 22 | 8.7 |
| MAY | | | | | | | | | |
| 22... | 1235 | 9 | 9827 | 9827 | 6.2 | 30.0 | 22.0 | 32 | 6.5 |
| JUN | | | | | | | | | |
| 05... | 1245 | 9 | 9827 | 9827 | 6.2 | 32.0 | 23.0 | 38 | 6.0 |
| JUL | | | | | | | | | |
| 17... | 1250 | 9 | 9827 | 9827 | 6.5 | 26.0 | 26.0 | 25 | 2.5 |
| AUG | | | | | | | | | |
| 14... | 1240 | 9 | 9827 | 9827 | 5.6 | 32.0 | 23.0 | 40 | 6.2 |
| SEP | | | | | | | | | |
| 11... | 1236 | 9 | 9827 | 9827 | 6.1 | 32.0 | 25.0 | -- | 5.7 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1208 | 4.2 | 180 | 14 | 6.0 | 77 | .10 | 38 | .01 |
| DEC | | | | | | | | | |
| 13... | 1216 | 2.1 | 290 | 13 | 4.0 | 67 | .09 | 24 | .02 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1320 | .4 | K6 | 41 | 9.0 | 102 | .14 | 6 | .06 |
| FEB | | | | | | | | | |
| 14... | 1215 | 1.6 | 440 | 22 | 6.0 | 90 | .12 | 50 | .05 |
| MAR | | | | | | | | | |
| 13... | 1230 | 1.1 | 160 | 29 | 6.0 | 93 | .13 | 28 | .11 |
| APR | | | | | | | | | |
| 10... | 1225 | 1.0 | K10 | 25 | 5.0 | 80 | .11 | 21 | .04 |
| MAY | | | | | | | | | |
| 22... | 1235 | 1.4 | 320 | 18 | 5.0 | 88 | .12 | 22 | -- |
| JUN | | | | | | | | | |
| 05... | 1245 | 1.2 | 88 | 20 | 7.0 | 95 | .13 | 23 | .10 |
| JUL | | | | | | | | | |
| 17... | 1250 | 4.8 | 160 | 12 | 4.0 | 72 | .10 | 22 | .04 |
| AUG | | | | | | | | | |
| 14... | 1240 | 2.4 | 2100 | 13 | 5.0 | 87 | .12 | 64 | .15 |
| SEP | | | | | | | | | |
| 11... | 1236 | 1.7 | K340 | 18 | 6.0 | 92 | .13 | 20 | .07 |

07363465 BIG CREEK NEAR PANSY, AR--CONTINUED

WATER QUALITY DATA, NOVEMBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1208 | .030 | .130 | .010 | 0 | 3 | <10 | -- | 50 |
| DEC | | | | | | | | | |
| 13... | 1216 | .030 | .050 | -- | 0 | 1 | 18 | 27 | -- |
| JAN, 1984 | | | | | | | | | |
| 31... | 1320 | .050 | .010 | <.010 | 0 | <1 | 11 | 3 | 60 |
| FEB | | | | | | | | | |
| 14... | 1215 | .050 | -- | .020 | 0 | <1 | 17 | 3 | 80 |
| MAR | | | | | | | | | |
| 13... | 1230 | <.010 | .090 | .010 | 0 | <1 | <10 | -- | -- |
| APR | | | | | | | | | |
| 10... | 1225 | .040 | .100 | .010 | 0 | <1 | <10 | 2 | -- |
| MAY | | | | | | | | | |
| 22... | 1235 | .110 | .080 | .030 | 0 | 2 | 11 | 8 | 60 |
| JUN | | | | | | | | | |
| 05... | 1245 | .170 | -- | .050 | 0 | 1 | 11 | 5 | 50 |
| JUL | | | | | | | | | |
| 17... | 1250 | -- | .110 | .020 | 0 | <2 | <10 | 11 | 30 |
| AUG | | | | | | | | | |
| 14... | 1240 | .030 | .110 | .040 | 0 | <1 | 11 | 15 | -- |
| SEP | | | | | | | | | |
| 11... | 1236 | -- | .090 | .040 | 0 | <1 | 10 | 8 | 30 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|
| SEP, 1984 | | | | | | | | |
| 11... | 1236 | <.002 | <.002 | <.004 | <.002 | .00 | .00 | .0 |

## 07363500 SALINE RIVER NEAR RYE, AR

LOCATION.--Lat 33°42'03", long 92°01'33", in SW 1/4 NW 1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 $mi^2$.

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--47 years, 2,591 $ft^3/s$, 16.74 in/yr, 1,877,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 $ft^3/s$ May 18, 1968, gage height, 31.40 ft; minimum, 3.5 $ft^3/s$ 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 $ft^3/s$.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage Height (ft) |
|---|---|---|---|
| Apr. 7 | 2300 | 12,500 | 22.32 |
| May 8 | 2200 | *28,800 | 25.91 |

Minimum discharge, 19 $ft^3/s$ Oct. 14, 15, 16, gage height, 4.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23 | 80 | 758 | 2800 | 1990 | 5130 | 6110 | 990 | 1630 | 159 | 111 | 166 |
| 2 | 23 | 76 | 1200 | 2600 | 1600 | 5230 | 6470 | 1800 | 1620 | 166 | 114 | 181 |
| 3 | 22 | 78 | 3210 | 2500 | 1370 | 5220 | 7330 | 4860 | 1430 | 157 | 145 | 169 |
| 4 | 22 | 84 | 5730 | 2300 | 1250 | 5200 | 8550 | 7330 | 1080 | 152 | 199 | 165 |
| 5 | 25 | 79 | 5280 | 2100 | 1170 | 5650 | 9850 | 9570 | 841 | 135 | 235 | 161 |
| 6 | 24 | 68 | 4530 | 1900 | 1110 | 6630 | 11300 | 11800 | 713 | 128 | 421 | 155 |
| 7 | 23 | 67 | 3930 | 1800 | 1070 | 7300 | 12400 | 18500 | 664 | 120 | 1350 | 130 |
| 8 | 22 | 64 | 3550 | 1700 | 1030 | 7730 | 12200 | 27300 | 574 | 112 | 1830 | 113 |
| 9 | 21 | 62 | 3290 | 1600 | 981 | 7950 | 11200 | 28000 | 493 | 109 | 1820 | 118 |
| 10 | 21 | 63 | 3300 | 1540 | 985 | 7880 | 10200 | 24900 | 435 | 117 | 1490 | 160 |
| 11 | 21 | 63 | 4640 | 1540 | 1030 | 7580 | 9520 | 21400 | 397 | 151 | 4100 | 180 |
| 12 | 22 | 65 | 6050 | 1490 | 1790 | 7330 | 9030 | 18400 | 364 | 149 | 4700 | 163 |
| 13 | 21 | 65 | 6680 | 1460 | 4770 | 7430 | 8570 | 15800 | 334 | 143 | 4230 | 168 |
| 14 | 20 | 63 | 7280 | 1430 | 5610 | 7610 | 8020 | 13500 | 309 | 130 | 2770 | 168 |
| 15 | 19 | 65 | 7670 | 1430 | 5600 | 7700 | 7340 | 11600 | 277 | 100 | 1360 | 136 |
| 16 | 21 | 72 | 8000 | 1410 | 5460 | 7640 | 6570 | 10100 | 253 | 96 | 687 | 120 |
| 17 | 30 | 77 | 7300 | 1320 | 5330 | 7420 | 5900 | 8800 | 237 | 133 | 471 | 118 |
| 18 | 43 | 78 | 6800 | 1220 | 5100 | 7140 | 5370 | 7360 | 226 | 205 | 387 | 129 |
| 19 | 39 | 94 | 6100 | 1130 | 4920 | 6800 | 4950 | 4790 | 211 | 229 | 345 | 179 |
| 20 | 40 | 117 | 5700 | 1040 | 4930 | 6500 | 4270 | 1990 | 194 | 233 | 297 | 251 |
| 21 | 49 | 121 | 5600 | 977 | 5230 | 6300 | 3170 | 1310 | 177 | 247 | 311 | 239 |
| 22 | 120 | 123 | 6300 | 921 | 5650 | 6140 | 2640 | 1220 | 162 | 220 | 319 | 219 |
| 23 | 150 | 199 | 6400 | 971 | 5910 | 5860 | 2180 | 1080 | 161 | 188 | 278 | 207 |
| 24 | 161 | 312 | 6000 | 1890 | 5820 | 5420 | 1750 | 1000 | 178 | 180 | 245 | 228 |
| 25 | 154 | 279 | 5500 | 2360 | 5070 | 4840 | 1440 | 1040 | 171 | 176 | 216 | 930 |
| 26 | 147 | 291 | 5100 | 2680 | 3320 | 4260 | 1230 | 1100 | 184 | 160 | 186 | 1240 |
| 27 | 131 | 437 | 4600 | 2860 | 3510 | 3840 | 1110 | 1200 | 177 | 146 | 167 | 1090 |
| 28 | 116 | 873 | 4100 | 2880 | 4500 | 4020 | 1050 | 1340 | 162 | 138 | 169 | 837 |
| 29 | 103 | 996 | 3800 | 2880 | 4920 | 4840 | 1060 | 1410 | 162 | 134 | 173 | 637 |
| 30 | 94 | 772 | 3400 | 2770 | --- | 5410 | 1040 | 1610 | 161 | 121 | 187 | 485 |
| 31 | 86 | --- | 3100 | 2460 | --- | 5800 | --- | 1640 | --- | 110 | 190 | --- |
| TOTAL | 1813 | 5883 | 154898 | 57959 | 101026 | 193800 | 181820 | 262740 | 13977 | 4744 | 29503 | 9242 |
| MEAN | 58.5 | 196 | 4997 | 1870 | 3484 | 6252 | 6061 | 8475 | 466 | 153 | 952 | 308 |
| MAX | 161 | 996 | 8000 | 2880 | 5910 | 7950 | 12400 | 28000 | 1630 | 247 | 4700 | 1240 |
| MIN | 19 | 62 | 758 | 921 | 981 | 3840 | 1040 | 990 | 161 | 96 | 111 | 113 |
| CFSM | .03 | .09 | 2.38 | .89 | 1.66 | 2.97 | 2.88 | 4.03 | .22 | .07 | .45 | .15 |
| IN. | .03 | .10 | 2.74 | 1.03 | 1.79 | 3.43 | 3.22 | 4.65 | .25 | .08 | .52 | .16 |
| AC-FT | 3600 | 11670 | 307200 | 115000 | 200400 | 384400 | 360600 | 521100 | 27720 | 9410 | 58520 | 18330 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 1144549 | MEAN | 3136 | MAX | 37200 | MIN | 19 | CFSM | 1.49 | IN. | 20.26 | AC-FT 2270000 |
| WTR YR 1984 | TOTAL | 1017405 | MEAN | 2780 | MAX | 28000 | MIN | 19 | CFSM | 1.32 | IN. | 18.01 | AC-FT 2018000 |

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR

LOCATION.--Lat 33°22'42", long 91°57'35", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | DISCHARGE, IN CUBIC FEET PER SECOND (00060) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 25... | 1400 | 9 | 9827 | 9827 | 200 | 7.0 | 19.0 | 20.0 | 5.0 | 6.8 |
| NOV | | | | | | | | | | |
| 21... | 1241 | 9 | 9827 | 9827 | 157 | 7.0 | 24.0 | 11.0 | 5.0 | 9.0 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 1353 | 9 | 9827 | 9827 | 2000 | 6.7 | 5.0 | 6.0 | 15 | 12.1 |
| 17... | 1345 | 9 | 9827 | 9827 | 1720 | 6.7 | 5.0 | 4.0 | 8.0 | 12.6 |
| FEB | | | | | | | | | | |
| 07... | 1321 | 9 | 9827 | 9827 | 1390 | 6.6 | 15.0 | 9.0 | 9.0 | 11.5 |
| MAR | | | | | | | | | | |
| 06... | 1428 | 9 | 9827 | 9827 | 8620 | 6.1 | 11.0 | 10.0 | 30 | 8.9 |
| APR | | | | | | | | | | |
| 10... | 1346 | 9 | 9827 | 9827 | 13300 | 6.3 | 21.0 | 16.0 | 20 | 6.8 |
| MAY | | | | | | | | | | |
| 08... | 1425 | 9 | 9827 | 9827 | 35500 | 5.9 | 24.0 | 20.0 | 20 | 6.3 |
| JUN | | | | | | | | | | |
| 05... | 1455 | 9 | 9827 | 9827 | 1090 | 7.0 | 30.0 | 27.0 | 20 | 8.6 |
| JUL | | | | | | | | | | |
| 17... | 1438 | 9 | 9827 | 9827 | 173 | -- | 30.0 | 30.0 | 7.5 | 7.0 |
| AUG | | | | | | | | | | |
| 14... | 1520 | 9 | 9827 | 9827 | 3600 | 6.2 | 25.0 | 25.0 | 20 | 6.1 |
| SEP | | | | | | | | | | |
| 11... | 1530 | 9 | 9827 | 9827 | 234 | 8.1 | 28.0 | 28.0 | -- | 8.2 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 25... | 1400 | 1.4 | 24 | 29 | 7.5 | 97 | .13 | 8 | .02 |
| NOV | | | | | | | | | |
| 21... | 1241 | 2.2 | 72 | 15 | 8.0 | 79 | .11 | 10 | .03 |
| JAN, 1984 | | | | | | | | | |
| 10... | 1353 | <1.0 | 32 | 23 | 7.5 | 87 | .12 | 16 | .18 |
| 17... | 1345 | 1.4 | 8 | 23 | -- | 84 | .11 | 8 | -- |
| FEB | | | | | | | | | |
| 07... | 1321 | 1.3 | 12 | -- | 6.5 | 96 | .13 | 7 | .10 |
| MAR | | | | | | | | | |
| 06... | 1428 | 1.3 | 110 | 11 | 3.0 | 72 | .10 | 18 | -- |
| APR | | | | | | | | | |
| 10... | 1346 | 1.7 | 60 | 8.0 | 3.5 | 73 | .10 | 13 | .03 |
| MAY | | | | | | | | | |
| 08... | 1425 | 2.2 | 80 | 9.0 | 2.5 | 67 | .09 | 18 | .04 |
| JUN | | | | | | | | | |
| 05... | 1455 | 2.5 | 100 | 18 | 4.0 | -- | -- | 14 | .21 |
| JUL | | | | | | | | | |
| 17... | 1438 | 1.9 | 160 | 57 | -- | 145 | .20 | 10 | .05 |
| AUG | | | | | | | | | |
| 14... | 1520 | 1.9 | 110 | -- | 4.5 | 63 | .09 | 18 | -- |
| SEP | | | | | | | | | |
| 11... | 1530 | 2.4 | 20 | 9.0 | 5.5 | 89 | .12 | 11 | .08 |

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 25... | 1400 | .130 | .040 | .010 | 0 | <1 | 30 | 16 | 20 |
| NOV | | | | | | | | | |
| 21... | 1241 | <.010 | .060 | .010 | 0 | -- | 22 | 18 | -- |
| JAN, 1984 | | | | | | | | | |
| 10... | 1353 | -- | .050 | .010 | -- | 1 | 21 | 26 | 40 |
| 17... | 1345 | -- | .040 | -- | 0 | 1 | 17 | -- | 20 |
| FEB | | | | | | | | | |
| 07... | 1321 | .050 | .030 | <.010 | 0 | <1 | 21 | 10 | 30 |
| MAR | | | | | | | | | |
| 06... | 1428 | .070 | .120 | .020 | 0 | <1 | 47 | 23 | 40 |
| APR | | | | | | | | | |
| 10... | 1346 | <.010 | .070 | -- | 1 | <1 | 26 | -- | 30 |
| MAY | | | | | | | | | |
| 08... | 1425 | .030 | .110 | .040 | 0 | | | | |
| JUN | | | | | | | | | |
| 05... | 1455 | .010 | -- | <.010 | 0 | <1 | 28 | 28 | -- |
| JUL | | | | | | | | | |
| 17... | 1438 | <.010 | -- | .020 | 0 | <1 | 42 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1520 | <.010 | .070 | .040 | 0 | <1 | 24 | -- | 20 |
| SEP | | | | | | | | | |
| 11... | 1530 | .030 | .120 | .050 | 0 | 2 | 57 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 17... | 1438 | .000 | .000 | <.010 | .000 | .000 | .00 | <.01 | .0 |

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR

LOCATION.--Lat 34°06'24", long 91°54'06", in NW 1/2 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 18... | 1115 | 9 | 9827 | 9827 | 26 | 6.7 | 25.0 | 20.0 | 80 | 4.5 |
| NOV | | | | | | | | | | |
| 08... | 1315 | 9 | 9827 | 9827 | 35 | 7.2 | 20.0 | 16.0 | 25 | 7.9 |
| DEC | | | | | | | | | | |
| 13... | 1305 | 9 | 9827 | 9827 | 880 | 6.4 | 7.0 | 10.0 | 65 | 6.8 |
| JAN, 1984 | | | | | | | | | | |
| 31... | 1430 | 9 | 9827 | 9827 | 222 | 6.4 | 14.0 | 9.0 | -- | 10.4 |
| FEB | | | | | | | | | | |
| 14... | 1310 | 9 | 9827 | 9827 | 760 | 6.0 | 22.0 | 15.0 | 100 | 6.6 |
| MAR | | | | | | | | | | |
| 13... | 1315 | 9 | 9827 | 9827 | 510 | 6.1 | 18.0 | 15.0 | 45 | 9.0 |
| APR | | | | | | | | | | |
| 10... | 1312 | 9 | 9827 | 9827 | 440 | 6.7 | 16.0 | 16.0 | 35 | 6.7 |
| MAY | | | | | | | | | | |
| 22... | 1325 | 9 | 9827 | 9827 | -- | 6.6 | 28.0 | 25.0 | 70 | 3.4 |
| JUN | | | | | | | | | | |
| 05... | 1336 | 9 | 9827 | 9827 | 74 | 6.8 | 31.0 | 27.0 | 35 | 6.1 |
| JUL | | | | | | | | | | |
| 17... | 1345 | 9 | 9827 | 9827 | 59 | 7.2 | 28.0 | 29.0 | 40 | 6.1 |
| AUG | | | | | | | | | | |
| 14... | 1326 | 9 | 9827 | 9827 | 126 | 7.0 | 31.0 | 27.0 | 45 | 4.0 |
| SEP | | | | | | | | | | |
| 11... | 1326 | 9 | 9827 | 9827 | 108 | 7.3 | 30.0 | 28.0 | -- | 8.4 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1115 | -- | 760 | 8.0 | 6.5 | 105 | .14 | 56 | .18 |
| NOV | | | | | | | | | |
| 08... | 1315 | 2.3 | 200 | 9.0 | 14 | 108 | .15 | 38 | .01 |
| DEC | | | | | | | | | |
| 13... | 1305 | 1.8 | 300 | 7.0 | 4.0 | 84 | .11 | 30 | .11 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1430 | 2.6 | -- | 16 | 7.5 | 82 | .11 | 20 | .22 |
| FEB | | | | | | | | | |
| 14... | 1310 | 3.1 | 490 | 8.0 | 6.0 | 131 | .18 | 57 | .17 |
| MAR | | | | | | | | | |
| 13... | 1315 | 1.7 | 230 | 8.0 | 4.5 | 86 | .12 | 28 | .11 |
| APR | | | | | | | | | |
| 10... | 1312 | 2.0 | 100 | 11 | 5.5 | 82 | .11 | 30 | .17 |
| MAY | | | | | | | | | |
| 22... | 1325 | 1.9 | 300 | 13 | 4.5 | 121 | .16 | 51 | -- |
| JUN | | | | | | | | | |
| 05... | 1336 | 3.9 | 10 | 17 | 12 | 101 | .14 | 50 | .05 |
| JUL | | | | | | | | | |
| 17... | 1345 | 3.6 | -- | 9.0 | 20 | 145 | .20 | 61 | .07 |
| AUG | | | | | | | | | |
| 14... | 1326 | 2.1 | 70 | 7.0 | 7.0 | 98 | .13 | 52 | .26 |
| SEP | | | | | | | | | |
| 11... | 1326 | 2.4 | 45 | 5.0 | 8.0 | 114 | .16 | 23 | -- |

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | |
| 18... | 1115 | .290 | .240 | .070 | 0 | 3 | 17 | 13 | -- |
| NOV | | | | | | | | | |
| 08... | 1315 | .030 | .110 | .020 | 0 | 3 | 10 | -- | 50 |
| DEC | | | | | | | | | |
| 13... | 1305 | .090 | .230 | -- | 0 | 6 | 13 | 32 | -- |
| JAN, 1984 | | | | | | | | | |
| 31... | 1430 | .060 | .130 | .050 | 2 | 1 | 10 | 6 | 60 |
| FEB | | | | | | | | | |
| 14... | 1310 | .230 | -- | .140 | 0 | 4 | 22 | 11 | 90 |
| MAR | | | | | | | | | |
| 13... | 1315 | .070 | .150 | .070 | 0 | <1 | 13 | -- | -- |
| APR | | | | | | | | | |
| 10... | 1312 | .110 | .230 | .110 | 0 | 2 | 19 | 3 | -- |
| MAY | | | | | | | | | |
| 22... | 1325 | .310 | .450 | .340 | 0 | 10 | 15 | 20 | 140 |
| JUN | | | | | | | | | |
| 05... | 1336 | .110 | -- | .120 | 0 | 1 | 15 | 24 | 70 |
| JUL | | | | | | | | | |
| 17... | 1345 | -- | .180 | .040 | 0 | <1 | 13 | 16 | 60 |
| AUG | | | | | | | | | |
| 14... | 1326 | .100 | .270 | .140 | 0 | <1 | 21 | 16 | -- |
| SEP | | | | | | | | | |
| 11... | 1326 | .040 | .150 | .070 | 0 | 1 | 16 | 9 | 40 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| NOV, 1983 | | | | | | | | | |
| 08... | 1315 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| JAN, 1984 | | | | | | | | | |
| 31... | 1430 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| APR | | | | | | | | | |
| 10... | 1312 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |
| SEP | | | | | | | | | |
| 11... | 1326 | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, AR

LOCATION.--Lat 33°37'40", long 91°26'45", in NE 1/4 SW 1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi west of McGehee, 17.5 mi downstream from Ables Creek, and 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 Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft 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.--Records good except those for the period of no gage-height record, Nov. 28 to Jan. 9, which are fair.

AVERAGE DISCHARGE.--43 years (1939-42, 1946-84), 679 $ft^3/s$, 16.01 in/yr, 491,900 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 daily discharge, 3,500 $ft^3/s$ Dec. 14; maximum gage height, 18.80 ft Dec. 14; minimum discharge, 20 $ft^3/s$ Nov. 2, 3, 4, 10, 11, 12, July 17, 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 198 | 21 | 870 | 1600 | 937 | 1300 | 830 | 730 | 496 | 129 | 60 | 190 |
| 2 | 167 | 21 | 930 | 1400 | 893 | 1300 | 830 | 727 | 380 | 109 | 45 | 172 |
| 3 | 131 | 20 | 1400 | 1300 | 851 | 1300 | 890 | 879 | 299 | 87 | 75 | 150 |
| 4 | 101 | 21 | 1900 | 1200 | 801 | 1300 | 960 | 1010 | 278 | 70 | 299 | 128 |
| 5 | 75 | 21 | 2200 | 1000 | 750 | 1400 | 1010 | 1120 | 235 | 57 | 642 | 114 |
| 6 | 58 | 21 | 2400 | 970 | 704 | 1600 | 1050 | 1290 | 222 | 48 | 718 | 109 |
| 7 | 45 | 22 | 2500 | 900 | 659 | 1600 | 1090 | 1570 | 317 | 41 | 682 | 85 |
| 8 | 37 | 21 | 2700 | 830 | 609 | 1600 | 1210 | 1990 | 326 | 38 | 618 | 80 |
| 9 | 31 | 21 | 2800 | 770 | 563 | 1500 | 1360 | 2320 | 315 | 38 | 612 | 82 |
| 10 | 27 | 21 | 2900 | 745 | 553 | 1500 | 1460 | 2580 | 291 | 37 | 654 | 86 |
| 11 | 24 | 20 | 3200 | 700 | 551 | 1500 | 1520 | 2790 | 298 | 35 | 711 | 88 |
| 12 | 23 | 21 | 3400 | 680 | 747 | 1400 | 1530 | 2980 | 316 | 32 | 706 | 87 |
| 13 | 22 | 21 | 3400 | 640 | 1120 | 1400 | 1500 | 3110 | 327 | 30 | 674 | 83 |
| 14 | 21 | 21 | 3500 | 600 | 1310 | 1300 | 1440 | 3190 | 332 | 27 | 652 | 77 |
| 15 | 21 | 21 | 3400 | 560 | 1420 | 1300 | 1360 | 3210 | 320 | 25 | 650 | 78 |
| 16 | 21 | 21 | 3400 | 520 | 1520 | 1300 | 1270 | 3190 | 285 | 22 | 647 | 86 |
| 17 | 22 | 21 | 3400 | 480 | 1620 | 1400 | 1180 | 3130 | 240 | 23 | 621 | 94 |
| 18 | 23 | 21 | 3300 | 430 | 1710 | 1400 | 1090 | 3030 | 191 | 30 | 586 | 92 |
| 19 | 26 | 22 | 3200 | 378 | 1750 | 1400 | 1010 | 2900 | 144 | 35 | 551 | 80 |
| 20 | 29 | 30 | 3100 | 335 | 1750 | 1400 | 918 | 2740 | 108 | 33 | 505 | 77 |
| 21 | 32 | 31 | 3000 | 318 | 1700 | 1300 | 842 | 2550 | 83 | 28 | 456 | 69 |
| 22 | 33 | 30 | 3000 | 289 | 1620 | 1300 | 786 | 2340 | 68 | 26 | 410 | 62 |
| 23 | 32 | 98 | 2900 | 270 | 1500 | 1200 | 747 | 2110 | 57 | 23 | 352 | 57 |
| 24 | 30 | 272 | 2700 | 401 | 1400 | 1200 | 743 | 1870 | 50 | 22 | 301 | 54 |
| 25 | 28 | 480 | 2600 | 627 | 1400 | 1100 | 767 | 1650 | 45 | 20 | 258 | 51 |
| 26 | 26 | 571 | 2400 | 707 | 1300 | 1000 | 791 | 1440 | 50 | 22 | 234 | 49 |
| 27 | 25 | 638 | 2300 | 795 | 1300 | 980 | 808 | 1240 | 77 | 28 | 224 | 47 |
| 28 | 24 | 710 | 2200 | 870 | 1300 | 940 | 805 | 1090 | 102 | 57 | 221 | 46 |
| 29 | 23 | 730 | 2000 | 929 | 1300 | 870 | 790 | 920 | 142 | 82 | 221 | 46 |
| 30 | 22 | 820 | 1800 | 960 | --- | 850 | 766 | 752 | 145 | 86 | 218 | 46 |
| 31 | 21 | --- | 1700 | 963 | --- | 840 | --- | 613 | --- | 76 | 208 | --- |
| TOTAL | 1398 | 4809 | 80500 | 23167 | 33638 | 39780 | 31353 | 61061 | 6539 | 1416 | 13811 | 2565 |
| MEAN | 45.1 | 160 | 2597 | 747 | 1160 | 1283 | 1045 | 1970 | 218 | 45.7 | 446 | 85.5 |
| MAX | 198 | 820 | 3500 | 1600 | 1750 | 1600 | 1530 | 3210 | 496 | 129 | 718 | 190 |
| MIN | 21 | 20 | 870 | 270 | 551 | 840 | 743 | 613 | 45 | 20 | 45 | 46 |
| CFSM | .08 | .28 | 4.51 | 1.30 | 2.01 | 2.23 | 1.81 | 3.42 | .38 | .08 | .77 | .15 |
| IN. | .09 | .31 | 5.20 | 1.50 | 2.17 | 2.57 | 2.02 | 3.94 | .42 | .09 | .89 | .17 |
| AC-FT | 2770 | 9540 | 159700 | 45950 | 66720 | 78900 | 62190 | 121100 | 12970 | 2810 | 27390 | 5090 |

CAL YR 1983 TOTAL 334300.7 MEAN 916 MAX 4450 MIN 8.8 CFSM 1.59 IN 21.59 AC-FT 663100
WTR YR 1984 TOTAL 300037.0 MEAN 820 MAX 3500 MIN 20 CFSM 1.42 IN 19.38 AC-FT 595100

## 07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR

LOCATION.--Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | | |
| 11... | 0835 | 9 | 9827 | 9827 | -- | 7.5 | 20.0 | 19.0 | 4.4 | 3.7 | -- |
| NOV | | | | | | | | | | | |
| 21... | 0924 | 9 | 9827 | 9827 | -- | 6.6 | 17.0 | 12.0 | 45 | 5.2 | -- |
| JAN, 1984 | | | | | | | | | | | |
| 10... | 0840 | 9 | 9827 | 9827 | -- | 6.7 | 4.0 | 8.0 | 4.0 | 7.9 | -- |
| 17... | 0915 | 9 | 9827 | 9827 | 37 | 6.8 | 1.0 | 2.0 | 5.0 | 11.3 | 39 |
| FEB | | | | | | | | | | | |
| 07... | 0849 | 9 | 9827 | 9827 | -- | 6.6 | 3.0 | 4.0 | 5.0 | 10.5 | -- |
| MAR | | | | | | | | | | | |
| 06... | 0900 | 9 | 9827 | 9827 | -- | 6.0 | 6.0 | 9.0 | 25 | 7.9 | -- |
| APR | | | | | | | | | | | |
| 10... | 0900 | 9 | 9827 | 9827 | -- | 6.6 | 22.0 | 11.0 | 20 | 5.0 | -- |
| MAY | | | | | | | | | | | |
| 08... | 0914 | 9 | 9827 | 9827 | -- | 6.8 | 17.0 | 20.0 | 25 | 3.6 | -- |
| JUN | | | | | | | | | | | |
| 05... | 0915 | 9 | 9827 | 9827 | -- | 7.5 | 28.0 | 24.0 | 25 | 3.6 | -- |
| JUL | | | | | | | | | | | |
| 17... | 0932 | 9 | 9827 | 9827 | -- | -- | 26.0 | 26.0 | 20 | 4.0 | -- |
| AUG | | | | | | | | | | | |
| 14... | 0945 | 9 | 9827 | 9827 | -- | 7.2 | 24.0 | 24.0 | 20 | 4.2 | -- |
| SEP | | | | | | | | | | | |
| 11... | 0900 | 9 | 9827 | 9827 | -- | 7.0 | 28.0 | 26.0 | -- | 3.6 | -- |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0835 | .8 | 350 | 110 | 2600 | 5210 | 7.1 | 14 | .95 | .110 |
| NOV | | | | | | | | | | |
| 21... | 0924 | 1.0 | 950 | 64 | 1200 | 2110 | 2.9 | 10 | 1.2 | .130 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0840 | 1.7 | 64 | 60 | 740 | 1350 | 1.8 | 6 | .38 | -- |
| 17... | 0915 | 1.4 | 44 | 57 | -- | 1250 | 1.7 | 8 | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 0849 | 1.8 | 60 | -- | 720 | 1520 | 2.1 | 6 | .87 | .300 |
| MAR | | | | | | | | | | |
| 06... | 0900 | 1.0 | 190 | 13 | 68 | 195 | .27 | 12 | -- | .070 |
| APR | | | | | | | | | | |
| 10... | 0900 | 2.3 | 400 | 19 | 30 | 601 | .82 | 16 | .30 | .100 |
| MAY | | | | | | | | | | |
| 08... | 0914 | 2.7 | 570 | 30 | 290 | 626 | .85 | 21 | .44 | .430 |
| JUN | | | | | | | | | | |
| 05... | 0915 | 5.8 | 70 | 85 | 300 | -- | -- | 32 | .08 | .050 |
| JUL | | | | | | | | | | |
| 17... | 0932 | -- | 3400 | 62 | -- | 1040 | 1.4 | 22 | .28 | .230 |
| AUG | | | | | | | | | | |
| 14... | 0945 | 4.6 | 210 | -- | 850 | 1630 | 2.2 | 26 | -- | .090 |
| SEP | | | | | | | | | | |
| 11... | 0900 | 1.8 | 760 | 100 | 570 | 1230 | 1.7 | 23 | 1.1 | .320 |

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0835 | -- | .130 | .050 | -- | 0 | -- | 41 | 19 | -- |
| NOV | | | | | | | | | | |
| 21... | 0924 | -- | -- | .050 | <5 | 0 | -- | 17 | 20 | <5 |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0840 | -- | .080 | .020 | -- | -- | 3 | <10 | 29 | -- |
| 17... | 0915 | .50 | .070 | -- | -- | 0 | 4 | 20 | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 0849 | -- | .100 | .020 | <5 | 2 | <1 | 23 | 41 | <5 |
| MAR | | | | | | | | | | |
| 06... | 0900 | -- | .180 | .070 | -- | 0 | 2 | 20 | 16 | -- |
| APR | | | | | | | | | | |
| 10... | 0900 | -- | .220 | -- | <5 | 1 | 2 | 35 | -- | <5 |
| MAY | | | | | | | | | | |
| 08... | 0914 | -- | .330 | .260 | -- | 0 | -- | -- | -- | -- |
| JUN | | | | | | | | | | |
| 05... | 0915 | -- | -- | .160 | -- | 0 | <1 | 28 | 77 | -- |
| JUL | | | | | | | | | | |
| 17... | 0932 | -- | -- | .100 | -- | 0 | 3 | 31 | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 0945 | -- | .230 | .080 | <5 | 0 | 3 | 22 | -- | <5 |
| SEP | | | | | | | | | | |
| 11... | 0900 | -- | .240 | .120 | -- | 0 | 3 | 30 | -- | -- |

| DATE | TIME | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 0835 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN, 1984 | | | | | | | | | | |
| 10... | 0840 | 70 | -- | -- | -- | -- | -- | -- | -- | -- |
| 17... | 0915 | 80 | -- | -- | -- | -- | -- | -- | -- | -- |
| FEB | | | | | | | | | | |
| 07... | 0849 | 100 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 06... | 0900 | 50 | -- | -- | -- | -- | -- | -- | -- | -- |
| APR | | | | | | | | | | |
| 10... | 0900 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | |
| 17... | 0932 | -- | .000 | .000 | .000 | .000 | .000 | .00 | <.01 | .0 |
| AUG | | | | | | | | | | |
| 14... | 0945 | 30 | -- | -- | -- | -- | -- | -- | -- | -- |
| SEP | | | | | | | | | | |
| 11... | 0900 | 60 | -- | -- | -- | -- | -- | -- | -- | -- |

## 07365800 CORNIE BAYOU NEAR THREE CREEKS, AR

LOCATION.--Lat 33°02'21", long 92°56'15", in SW 1/4 NW 1/4 sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi downstream from Pidgeon Roost Creek, and 6.0 mi southwest of town of Three Creeks.

DRAINAGE AREA.--180 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1956 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 174 $ft^3/s$, 13.13 in/yr, 126,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 $ft^3/s$ June 8, 1974, gage height, 17.50 ft, from rating curve extended above 11,000 $ft^3/s$ on basis of contracted-opening measurement at 35,800 $ft^3/s$; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1880, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,400 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage Height (ft) |
|---|---|---|---|
| Dec. 5 | 0500 | 1,440 | 10.30 |
| Feb. 14 | 0200 | *2,740 | 10.86 |
| June 29 | 0400 | 2,300 | 10.50 |

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .45 | .00 | 12 | 31 | 56 | 798 | 472 | 89 | 5.9 | 641 | .37 | .00 |
| 2 | .32 | .00 | 7.2 | 30 | 45 | 570 | 263 | 193 | 5.3 | 345 | .74 | .00 |
| 3 | .22 | .00 | 141 | 40 | 46 | 536 | 270 | 389 | 6.4 | 123 | 2.3 | .00 |
| 4 | .14 | .00 | 649 | 51 | 54 | 833 | 416 | 568 | 7.6 | 30 | 3.9 | .02 |
| 5 | .05 | .00 | 1330 | 55 | 54 | 1100 | 525 | 637 | 7.6 | 12 | 5.1 | 1.4 |
| 6 | .00 | .00 | 978 | 52 | 44 | 1300 | 513 | 444 | 9.7 | 18 | 2.1 | 2.8 |
| 7 | .00 | .38 | 623 | 45 | 33 | 1150 | 319 | 174 | 42 | 52 | 1.4 | 1.0 |
| 8 | .00 | 1.9 | 272 | 35 | 27 | 862 | 173 | 93 | 53 | 26 | 4.2 | .12 |
| 9 | .00 | 3.6 | 86 | 28 | 28 | 625 | 131 | 53 | 41 | 6.4 | 3.5 | .00 |
| 10 | .00 | 3.2 | 64 | 45 | 107 | 441 | 175 | 44 | 21 | 27 | 10 | .00 |
| 11 | .00 | 3.5 | 490 | 126 | 324 | 256 | 199 | 33 | 11 | 40 | 61 | .00 |
| 12 | .00 | 3.6 | 985 | 195 | 770 | 195 | 200 | 22 | 7.3 | 6.8 | 30 | .07 |
| 13 | .00 | 3.3 | 1000 | 196 | 2060 | 263 | 215 | 16 | 5.3 | 1.6 | 9.8 | .74 |
| 14 | .00 | 2.7 | 924 | 129 | 2280 | 322 | 175 | 15 | 5.3 | .68 | 1.6 | .66 |
| 15 | .00 | 2.1 | 667 | 81 | 1270 | 377 | 102 | 351 | 5.5 | .19 | 1.6 | .06 |
| 16 | .00 | 3.0 | 444 | 61 | 865 | 339 | 58 | 361 | 5.5 | .31 | 3.4 | .00 |
| 17 | .00 | 4.0 | 250 | 56 | 620 | 308 | 40 | 78 | 25 | 7.8 | 1.4 | .36 |
| 18 | .00 | 4.3 | 163 | 63 | 526 | 440 | 34 | 27 | 66 | 12 | .56 | .42 |
| 19 | .00 | 5.7 | 157 | 80 | 482 | 625 | 52 | 17 | 24 | 2.6 | .09 | .00 |
| 20 | .00 | 15 | 167 | 74 | 355 | 690 | 234 | 34 | 14 | .28 | .10 | .00 |
| 21 | .00 | 21 | 179 | 51 | 224 | 568 | 448 | 77 | 5.4 | .04 | .21 | .00 |
| 22 | .00 | 16 | 341 | 30 | 151 | 359 | 565 | 53 | 3.2 | .00 | .66 | .00 |
| 23 | .00 | 11 | 448 | 67 | 111 | 180 | 466 | 41 | 2.7 | .00 | 2.6 | .00 |
| 24 | .00 | 10 | 350 | 259 | 92 | 113 | 225 | 34 | 2.3 | .00 | 27 | .00 |
| 25 | .00 | 25 | 250 | 358 | 75 | 133 | 81 | 26 | 1.9 | .00 | 61 | .00 |
| 26 | .00 | 13 | 150 | 374 | 90 | 223 | 43 | 21 | 1.5 | .00 | 16 | .20 |
| 27 | .00 | 12 | 66 | 314 | 419 | 244 | 27 | 16 | 80 | .00 | 2.4 | .34 |
| 28 | .00 | 64 | 55 | 204 | 688 | 275 | 23 | 13 | 666 | .00 | .38 | .38 |
| 29 | .00 | 56 | 55 | 128 | 957 | 703 | 25 | 10 | 2030 | .00 | .01 | .31 |
| 30 | .00 | 30 | 65 | 92 | --- | 969 | 38 | 8.4 | 1180 | .00 | .06 | .23 |
| 31 | .00 | --- | 54 | 74 | --- | 689 | --- | 7.3 | --- | .00 | .00 | --- |
| TOTAL | 1.18 | 314.28 | 11422.2 | 3424 | 12853 | 16486 | 6507 | 3944.7 | 4341.4 | 1352.70 | 253.48 | 9.11 |
| MEAN | .04 | 10.5 | 368 | 110 | 443 | 532 | 217 | 127 | 145 | 43.6 | 8.18 | .30 |
| MAX | .45 | 64 | 1330 | 374 | 2280 | 1300 | 565 | 637 | 2030 | 641 | 61 | 2.8 |
| MIN | .00 | .00 | 7.2 | 28 | 27 | 113 | 23 | 7.3 | 1.5 | .00 | .00 | .00 |
| CFSM | .00 | .06 | 2.04 | .61 | 2.46 | 2.96 | 1.21 | .71 | .81 | .24 | .05 | .00 |
| IN. | .00 | .06 | 2.36 | .71 | 2.66 | 3.41 | 1.34 | .82 | .90 | .28 | .05 | .00 |
| AC-FT | 2.3 | 623 | 22660 | 6790 | 25490 | 32700 | 12910 | 7820 | 8610 | 2680 | 503 | 18 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL YR 1983 | TOTAL | 63463.24 | MEAN | 174 | MAX | 2560 | MIN | .00 | CFSM | .97 | IN. | 13.12 | AC-FT | 125900 |
| WTR YR 1984 | TOTAL | 60909.05 | MEAN | 166 | MAX | 2280 | MIN | .00 | CFSM | .92 | IN. | 12.59 | AC-FT | 120800 |

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to 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 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1344 | 9 | 9827 | 9827 | .00 | 6.7 | 29.0 | 20.0 | 20 | .2 |
| NOV | | | | | | | | | | |
| 15... | 1345 | 9 | 9827 | 9827 | 2.0 | 6.6 | 20.0 | 14.0 | 4.5 | 5.5 |
| DEC | | | | | | | | | | |
| 06... | 1500 | 9 | 9827 | 9827 | 932 | 5.4 | 10.0 | 12.0 | 15 | 7.5 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1500 | 9 | 9827 | 9827 | 299 | 5.5 | 9.0 | 4.0 | 30 | 11.4 |
| MAR | | | | | | | | | | |
| 20... | 1445 | 9 | 9827 | 9827 | 708 | 5.5 | 17.0 | 16.0 | 15 | 6.7 |
| APR | | | | | | | | | | |
| 24... | 1521 | 9 | 9827 | 9827 | 191 | 5.8 | 26.0 | 19.0 | 8.8 | 5.8 |
| MAY | | | | | | | | | | |
| 22... | 1517 | 9 | 9827 | 9827 | 51 | -- | 33.0 | 24.0 | 30 | 5.1 |
| JUN | | | | | | | | | | |
| 19... | 1510 | 9 | 9827 | 9827 | 21 | 6.1 | 34.0 | 28.0 | 40 | 4.4 |
| JUL | | | | | | | | | | |
| 31... | 1602 | 9 | 9827 | 9827 | .00 | 6.1 | 32.0 | 25.0 | 25 | 2.3 |
| AUG | | | | | | | | | | |
| 28... | 1545 | 9 | 9827 | 9827 | .27 | -- | 35.0 | 26.0 | 25 | 4.4 |
| SEP | | | | | | | | | | |
| 25... | 1550 | 9 | 9827 | 9827 | .00 | 6.3 | 35.0 | 26.0 | 9.0 | 5.2 |

| DATE | TIME | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | SOLIDS, RESIDUE 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1344 | 2.3 | 12 | 2.0 | 140 | 309 | .42 | 10 | .04 | .070 |
| NOV | | | | | | | | | | |
| 15... | 1345 | 2.1 | 170 | 2.0 | 28 | 125 | .17 | 2 | .01 | <.010 |
| DEC | | | | | | | | | | |
| 06... | 1500 | 2.0 | 550 | 9.0 | 7.0 | 277 | .38 | 10 | .04 | .070 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1500 | 2.4 | 140 | 12 | 9.0 | 220 | .30 | 29 | .12 | .060 |
| MAR | | | | | | | | | | |
| 20... | 1445 | 1.3 | 310 | 8.0 | 73 | 183 | .25 | 10 | .03 | .010 |
| APR | | | | | | | | | | |
| 24... | 1521 | 1.6 | 70 | 9.0 | 90 | 257 | .35 | 10 | .06 | .050 |
| MAY | | | | | | | | | | |
| 22... | 1517 | 1.2 | 250 | 6.0 | 50 | -- | -- | 21 | .07 | .170 |
| JUN | | | | | | | | | | |
| 19... | 1510 | 2.7 | 290 | 6.0 | 81 | 243 | .33 | 40 | .12 | .100 |
| JUL | | | | | | | | | | |
| 31... | 1602 | 1.4 | 60 | -- | 150 | 315 | .43 | 13 | -- | -- |
| AUG | | | | | | | | | | |
| 28... | 1545 | 1.3 | 70 | 6.0 | 85 | 247 | .34 | 20 | .12 | .060 |
| SEP | | | | | | | | | | |
| 25... | 1550 | 2.7 | 76 | 4.0 | 19 | 181 | .25 | 5 | .07 | .030 |

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | SELENIUM, TOTAL (UG/L AS SE) (01147) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT, 1983 | | | | | | | | | | |
| 11... | 1344 | .040 | <.010 | -- | 0 | -- | 31 | 35 | -- | 20 |
| NOV | | | | | | | | | | |
| 15... | 1345 | .050 | .010 | <5 | 0 | <1 | 17 | 20 | <5 | 0 |
| DEC | | | | | | | | | | |
| 06... | 1500 | .040 | <.010 | -- | 1 | 2 | 41 | -- | -- | 90 |
| JAN, 1984 | | | | | | | | | | |
| 24... | 1500 | .080 | .030 | -- | 0 | 2 | -- | -- | -- | -- |
| MAR | | | | | | | | | | |
| 20... | 1445 | .130 | .010 | -- | 2 | 2 | 58 | 63 | -- | 110 |
| APR | | | | | | | | | | |
| 24... | 1521 | .100 | .020 | <5 | 1 | <1 | 49 | 22 | <5 | 90 |
| MAY | | | | | | | | | | |
| 22... | 1517 | .090 | .040 | -- | 0 | 3 | 50 | -- | -- | -- |
| JUN | | | | | | | | | | |
| 19... | 1510 | -- | .040 | -- | 1 | 2 | 73 | -- | -- | 70 |
| JUL | | | | | | | | | | |
| 31... | 1602 | .090 | -- | <5 | 2 | 1 | 51 | 47 | <5 | 100 |
| AUG | | | | | | | | | | |
| 28... | 1545 | .070 | .070 | -- | 0 | -- | -- | -- | -- | 90 |
| SEP | | | | | | | | | | |
| 25... | 1550 | .080 | .030 | -- | 0 | 2 | 32 | 53 | -- | 20 |

| DATE | TIME | ALDRIN, TOTAL (UG/L) (39330) | DDE, TOTAL (UG/L) (39365) | DDT, TOTAL (UG/L) (39370) | DIELDRIN TOTAL (UG/L) (39380) | ENDRIN, TOTAL (UG/L) (39390) | LINDANE TOTAL (UG/L) (39782) | METHYL PARATHION, TOTAL (UG/L) (39600) | TOXAPHENE, TOTAL (UG/L) (39400) |
|---|---|---|---|---|---|---|---|---|---|
| JUL, 1984 | | | | | | | | | |
| 31... | 1602 | .000 | .000 | .000 | .000 | .000 | .00 | .00 | .0 |

## Crest-Stage Partial-Record Stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | St. Francis River basin | | | | | |
| 07047200 | Ditch No. 45 near Lepanto, Ar. | Lat 35°36'46", long 90°22'30", in SW 1/4 SW 1/4 sec.32, T.12 N., R.7 E., Poinsett County, at culvert on U.S. Highway 14, 2.5 mi west of Lepanto. | 2.16 | 1962-84 | 03-05-84 | 7.90 | 143 |
| 07047820 | Murray Creek near Jonesboro, Ar. | Lat 35°51'52", long 90°38'26", in SW 1/4 SW 1/4 sec.2, T.14 N., R.4 E., Craighead County, at culvert on U.S. Highway 49, 4.0 mi northeast of Jonesboro. | 1.38 | 1960-84 | No Peak 1984 WY | | |
| 07047880 | Pope Creek tributary at Birdeye, Ar. | Lat 35°22'35", long 90°42'02", in NE 1/4 SE 1/4 sec.30, T.9 N., R.4 E., Cross County, at culvert on State Highway 42, 0.9 mi west of Birdeye. | .08 | 1963-84 | 04-08-84 | 4.12 | 48 |
| | | White River basin | | | | | |
| 07047990 | West Fork White River tributary near Greenland, Ar. | Lat 35°58'22", long 94°09'56", in NW 1/4 SE 1/4 sec.16, T.15 N., R.30 W., Washington County, at culvert on U.S. Highway 71, 1.5 mi south of Greenland. | .67 | 1960-84 | 05-07-84 | 5.40 | 135 |
| 07049000 | War Eagle Creek near Hindsville, Ar. | Lat 36°12'02", long 93°51'20", in SE 1/4 NE 1/4 sec.28, T.18 N., R.27 W., Madison County, on left bank about 800 ft above bridge on State Highway 45, 3.9 miles north of Hindsville. | 262 | 1953-70† 1971-77 1984 | 05-08-84 | 13.31 | 7,500 |
| 07050500 | Kings River near Berryville, Ar. | Lat 36°25'36", long 93°37'15", in SE 1/4 NE 1/4 sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 5.3 mi northwest of Berryville. | 527 | 1939-75† 1976-84 | 01-22-84 | 29.23 | 36,800 |
| 07054450 | East Sugarloaf Creek tributary near Lead Hill, Ar. | Lat 36°22'28", long 92°49'52", in NW 1/4 NW 1/4 sec.19, T.20 N., R.17 W., Marion County, at culvert on State Highway 14, 5.0 mi southeast of Lead Hill. | .85 | 1962-84 | 03-04-84 | 7.57 | 227 |
| 07055000 | White River near Flippin, Ar. | Lat 36°18'35", long 92°33'28", in NE 1/4 NW 1/4 sec.10, T.19 N., R.15 W., Marion County, on right bank 1.4 mi upstream from Hightower Creek, 3.2 mi northeast of Flippin. | 6,081 | 1928-80† 1981-84 | 12-25-83 | 12.94 | 26,600 |
| 07055550 | Crooked Creek tributary near Dogpatch, Ar. | Lat 36°09'01", long 93°07'23", in SW 1/4 SW 1/4 sec.4, T.17 N., R.20 W., Boone County, at culvert on State Highway 7, 2.9 mi north of Dogpatch. Prior to 1967 published as Crooked Creek tributary near Marble Falls. | 4.36 | 1961-84 | 03-04-84 | 8.92 | 900 |
| 07057300 | Dodd Creek tributary near Mountain Home, Ar. | Lat 36°19'05", long 92°24'01", in NE 1/4 SW 1/4 sec.17, T.19 N., R.13 W., Baxter County, at culvert on U.S. Highway 62, 1.5 mi southwest of Mountain Home. Prior to 1966 published as Big Creek tributary near Mountain Home. | .76 | 1961-84 | 09-09-84 | 10.00 | 235 |

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | White River basin--Continued | | | | | |
| 07060600 | Band Mill Creek near Brockwell, Ar. | Lat 36°08'02", long 91°58'48", in SE 1/4 SE 1/4 sec.7, T.17 N., R.9 W., Izard County, at culvert on State Highway 56, 3.1 mi west of Brockwell. | 1.25 | 1961-84 | No Peak 1984 WY | | |
| 07061000 | White River at Batesville, Ar. | Lat 35°45'35", long 91°38'28", in NE 1/4 NW 1/4 sec.21, T.13 N., R.6 W., Independence County, at bridge on U.S. Highway 167 in Batesville. | 11,070 | 1978-84 | 05-08-84 | 14.20 | 57,700 |
| 07061100 | Gibbs Creek at Sulphur Rock, Ar. | Lat 35°45'32", long 91°30'52", in SE 1/4 SW 1/4 sec.15, T.13 N., R.5 W., Independence County, at culvert on State Highway 69, 0.9 mi west of Sulphur Rock. | 3.90 | 1962-84 | 10-22-83 | 9.21 | 1,050 |
| 07069000 | Black River at Pocahontas, Ar. | Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, at bridge on U.S. Highway 67 at Pocahontas. | 4,845 | 1937-70†<br>1971-78,<br>1981-84 | 04-03-79<br>04-02-80<br>04-11-84 | 22.42<br>13.07<br>18.34 | [a]35,500<br>[a]10,100<br>15,400 |
| 07069250 | Brush Creek near Mammoth Spring, Ar. | Lat 36°25'36", long 91°29'27", in SE 1/4 SE 1/4 sec.34, T.21 N., R.5 W., Fulton County, 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. | .48 | 1961-84 | No Peak 1984 WY | | |
| 07072200 | Hubble Creek near Pocahontas, Ar. | Lat 36°15'32", long 91°02'02", in SE 1/4 SW 1/4 sec.25, T.19 N., R.1 W., Randolph County, at culvert on U.S. Highway 62, 3.4 mi west of Pocahontas. Prior to published as Eleven Point River tributary near Pocahontas. | 1.33 | 1961-84 | 05-07-84 | 9.24 | 570 |
| 07074420 | Black River at Elgin Ferry, Ar. | Lat 35°45'51", long 91°17'40", in NW 1/4 SE 1/4 sec.15, T.13 N., R.3 W., Jackson County, on left bank 500 ft downstream from State Highway 37 at Elgin Ferry. | 8,418 | 1979-84 | 05-10-84 | 22.58 | 31,000 |
| 07074850 | White River near Augusta, Ar. | Lat 35°18'02", long 91°23'35", in SE 1/4 SE 1/4 sec.22, T.8 N., R.4 W., Woodruff County, on left bank of Taylor Bay 0.5 mi upstream from White River 10.7 mi upstream from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta. | 20,464 | 1983-84 | 05-11-84 | 32.24 | 67,300 |
| 07074900 | Trace Creek tributary near Marshall, Ar. | Lat 35°52'14", long 92°36'08", in NE 1/4 SW 1/4 sec.8, T.14 N., R.15 W., Searcy County, at culvert on U.S. Highway 65, 3.2 mi south of Marshall. | .26 | 1961-84 | 05-10-84 | 8.39 | 107 |
| 07075600 | Choctaw Creek tributary near Choctaw, Ar. | Lat 35°31'36", long 92°25'02", in SE 1/4 SW 1/4 sec.6, T.10 N., R.13 W., Van Buren County, at culvert on State Highway 330, 1.4 mi east of Choctaw. | 1.36 | 1964-84 | 05-08-84 | 8.01 | 130 |
| 07075800 | Dill Branch tributary near Ida, Ar. | Lat 35°32'33", long 91°57'34", in SW 1/4 NE 1/4 sec.33, T.11 N., R.9 W., Cleburne County, at culvert on State Highway 25, 3.5 mi southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida. | .26 | 1964-84 | No Peak 1984 WY | | |
| 07076000 | Little Red River near Heber Springs, Ar. | Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, on right bank 1,600 ft downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs. | 1,153 | 1927-80†<br>1981-84 | 09-11-84 | 16.35 | 8,470 |

† Operated as a continuous-record gaging station.
a Not previously published.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | White River basin--Continued | | | | | |
| 07076750 | White River at Georgetown, Ar. | Lat 35°07'45", long 91°27'00", in SW 1/4 SW 1/4 sec.20, T.6 N., R.4 W., on right bank at Georgetown. | 22,387 | 1978-84 | 05-13-84 | 21.68 | 66,000 |
| 07076870 | Pigeon Roost Creek at Butlerville, Ar. | Lat 34°58'36", long 91°50'38", in NW 1/4 NE 1/4 sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi west of Butlerville. | 23.0 | 1961-84 | 05-03-84 | 10.54 | 1,800 |
| 07077200 | Big Creek tributary near Boydsville, Ar. | Lat 36°22'32", long 90° 19'56", in SE 1/4 SW 1/4 sec.9, T.20 N., R.7 E., Clay County, at culvert on county road, 0.1 mi west of Crockett, and 4.1 mi northeast of Boydsville. | 1.58 | 1962-84 | 05-08-84 | 9.65 | 730 |
| 07077340 | Sugar Creek tributary near Walcott, Ar. | Lat 36°04'26", long 90°36'55", in NW 1/4 SW 1/4 sec.25, T.17 N., R.4 E., Greene County, at culvert on U.S. Highway 412, 3.2 mi east of junction of State Highway 25 and 141, and 3.9 mi northeast of Walcott. | .68 | 1963-84 | 05-07-84 | 7.54 | 290 |
| 07077430 | Willow Ditch near Egypt, Ar. | Lat 35°56'29", long 90°56'33", in SW 1/4 SW 1/4 sec.12, T.15 N., R.1 E., Lawrence County, at culvert on State Highway 91, 5.1 mi north of Egypt. | .48 | 1963-84 | 12-03-84 | 4.61 | 22 |
| 07077920 | Big Creek at Goodwin, Ar. | Lat 34°56'22", long 91°00'55", in NE 1/4 NE 1/4 sec.29, T.4 N., R.1 E., St. Francis County, at bridge on U.S. Highway 70, 0.3 mi east of Goodwin. | 31.1 | 1961-84 | 05-03-84 | 9.63 | 750 |
| 07078210 | Tarleton Creek tributary at Ethel, Ar. | Lat 34°18'02", long 91°09'45", in NW 1/4 SE 1/4 sec.31, T.4 S., R.1 W., Arkansas County, at culvert on State Highway 17, 1.0 mi north of Ethel. | .20 | 1963-84 | 12-03-83 | 4.64 | 53 |
| | | Arkansas River basin | | | | | |
| 07195450 | Ballard Creek at Summers, Ar. | Lat 35°58'42", long 94°29'56", in SW 1/4 SW 1/4 sec.16, T.15 N., R.33 W., Washington County, at bridge on U.S. Highway 62, 0.4 mi west of Summers. | 14.6 | 1963-84 | 04-09-84 | 6.82 | 1,450 |
| 07249447 | Mill Creek at Fort Smith, Ar. | Lat 35°20'34", long 94°25'20", in NW 1/4 NW 1/4 sec.33, T.8 N., R.32 W., Sebastian County, on right bank 30 ft upstream from bridge on Towson Avenue in Fort Smith. | 10 | 1981-84 | 07-11-84 | 32.16 | 900 |
| 07249457 | May Branch at Fort Smith, Ar. | Lat 35°22'30", long 94°23'51", in NE 1/4 SW 1/4 sec.15, T.8 N., R.32 W., Sebastian County, on upstream side of bridge on Free Ferry Road in Fort Smith. | 1.0 | 1981-84 | 11-22-83 | 66.35 | 320 |
| 07249500 | Cove Creek near Lee Creek, Ar. | Lat 35°43'20", long 94°24'28", in SW 1/4 NW 1/4 sec.16, T.12 N., R.32 W., Crawford County, at bridge on U.S. Forest Service road, 4.5 mi northwest of Lee Creek. | 35.3 | 1951-70† 1971-84 | 05-07-84 | [b]8.72 | 4,740 |
| 07250515 | Sunnymede Creek at Fort Smith, Ar. | Lat 35°23'46", long 94°22'23", in NW 1/4 NE 1/4 sec.11, T.8 N., R.32 W., Sebastian County, on left bank 100 ft downstream from bridge on North 52nd Street in Fort Smith. | 1.5 | 1981-84 | 05-06-84 | 4.50 | 70 |

† Operated as a continuous-record gaging station.
b From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | Arkansas River basin--Continued | | | | | |
| 07251500 | Frog Bayou at Rudy, Ar. | Lat 35°31'32", long 94°16'18", in SW 1/4 SW 1/4 sec.23, T.10 N., R.31 W., Crawford County, at bridge on State Highway 282 at Rudy. | 216 | 1951-70†<br>1971-84 | 05-07-84 | 10.90 | 9,500 |
| 07252200 | North Fork White Oak Creek tributary near Watalula, Ar. | Lat 35°35'43", long 93°50'49", in SE 1/4 NE 1/4 sec.27, T.11 N., R.27 W., Franklin County, at culvert on State Highway 23, 2.2 mi northwest of Watalula. | .46 | 1961-84 | No Peak 1984 WY | | |
| 07256500 | Spadra Creek at Clarksville, Ar. | Lat 35°28'06", long 93°27'46", in NW 1/4 NE 1/4 sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mi downstream from bridge on U.S. Highway 64. | 61.1 | 1953-70†<br>1971-84 | 05-07-84 | 8.57 | 3,850 |
| 07257100 | Minnow Creek tributary near Hagarville, Ar. | Lat 35°30'10", long 93°21'56", in SE 1/4 SE 1/4 sec.19, T.10 N., R.22 W., Johnson County, at culvert on State Highway 123, 2.6 mi southwest of Hagarville. | .19 | 1962-84 | 05-08-84 | 3.72 | 34 |
| 07257200 | Little Piney Creek near Lamar, Ar. | Lat 35°26'58", long 93°20'17", in SW 1/4 NE 1/4 sec.9, T.9 N., R.22 W., Johnson County, on left bank 600 ft upstream from State Highway 359 bridge, 3.0 mi east of Lamar. | 154 | 1978-84 | 05-07-84 | 13.33 | 9,740 |
| 07257500 | Illinois Bayou near Scottsville, Ar. | Lat 35°27'58", long 93°02'28", in SE 1/4 SW 1/4 sec.32, T.10 N., R.19 W., Pope County, at bridge on county road, 1.3 mi north of Scottsville. | 241 | 1948-70†<br>1971-84 | 09-19-75<br>05-07-84 | 13.20<br>14.14 | c10,600<br>13,100 |
| 07257700 | McCoy Creek near Dover, Ar. | Lat 35°25'04", long 93°05'09", in SE 1/4 NE 1/4 sec.23, T.9 N., R.20 W., Pope County, at bridge on State Highway 27, 2.0 mi northeast of Dover. | 7.05 | 1961-84 | No Peak 1984 WY | | |
| 07258200 | Pack Saddle Creek tributary near Waldron, Ar. | Lat 34°58'18", long 94°05'42", in SE 1/4 SE 1/4 sec.29, T.4 N., R.29 W., Scott County, at culvert on U.S. Highway 71, 5.2 mi north of Waldron. | .92 | 1961-84 | 05-02-84 | 5.39 | 210 |
| 07259500 | Petit Jean River near Waveland, Ar. | Lat 35°06'17", long 93°37'53", in SE 1/4 SW 1/4 Sec.11, T.5 N., R.25 W., Yell County, on left bank 0.8 mi downstream from Rock Creek, 1.3 mi south of Waveland. | 516 | 1939-80†<br>1981-84 | 03-11-84 | 14.18 | 2,450 |
| 07260000 | Dutch Creek at Waltreak, Ar. | Lat 34°59'15", long 93°36'45", in SE 1/4 NW 1/4 sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mi north of Waltreak. | 81.4 | 1945-75†<br>1976-84 | 05-02-84 | 12.12 | 4,280 |
| 07260673 | West Fork Point Remove Creek near Hattieville, Ar. | Lat 35°19'25", long 92°52'22", in NE 1/4 SE 1/4 sec.23, T.8 N., R.18 W., Pope County, 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. | 222 | 1978-84 | 05-07-84 | 15.02 | 2,550 |
| 07260679 | East Fork Point Remove Creek tributary near Saint Vincent, Ar. | Lat 35°16'10", long 92°43'59", in NE 1/4 NE 1/4 sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi south of Saint Vincent. | .09 | 1967-84 | No Peak 1984 WY | | |

† Operated as a continuous-record gaging station.
c Revised.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Annual maximum Gage height (feet) | Annual maximum Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | Arkansas River basin--Continued | | | | | |
| 07261800 | Brogan Creek near Rover, Ar. | Lat 34°54'28", long 93°24'06", in NW 1/4 SE 1/4 sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover. | 1.40 | 1963-84 | 02-12-84 | 4.48 | 98 |
| 07262500 | Fourche LaFave River near Nimrod, Ar. | Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 mi southwest of Nimrod. | 684 | 1936-80†<br>1981-84 | 12-08-83 | 9.29 | 5,310 |
| 07263012 | Fourche LaFave River near Aplin, Ar. | Lat 34°57'23", long 92°59'04", in E 1/2 NE 1/4 sec.35, T.4 N., R.19 W., Perry County, on right bank 30 ft upstream from bridge on State Highway 155, 1.0 mi south of Aplin. | 957 | 1980-84 | 12-03-83 | 22.98 | 9,460 |
| 07263100 | Fourche LaFave River tributary near Perryville, Ar. | Lat 35°01'14", long 92°46'06", in NW 1/4 SW 1/4 sec.1, T.4 N., R.17 W., Perry County, at culvert on State Highway 60, 2.2 mi northeast of Perryville. | 1.47 | 1962-84 | 05-03-84 | 7.37 | 220 |
| 07263400 | Little Maumelle River at Ferndale, Ar. | Lat 34°46'48", long 92°33'15", in NW 1/4 SE 1/4 sec.25, T.2 N., R.15 W., Pulaski County, at bridge on county road, 0.2 mi northeast of Ferndale. | 15.0 | 1963-84 | 05-03-84 | 8.32 | 750 |
| 07263530 | Fourche Creek at Red Gate, Ar. | Lat 34°38'53", long 92°26'20", in NE 1/4 SE 1/4 sec.7, T.1 S., R.13 W., Pulaski County, 30 ft downstream from bridge on State Highway 5, 0.5 mi east of Red Gate. | 32.4 | 1978-79,<br>1981-84 | 05-03-84 | 11.10 | 2,600 |
| 07263570 | Grassy Flat Creek at Little Rock, Ar. | Lat 34°46'01", long 92°22'33", in SW 1/4 NW 1/4 sec.35, T.2 N., R.13 W., Pulaski County, at left bank on downstream side of bridge on Reservoir Road in Little Rock. | 3.88 | 1978-79,<br>1981-84 | 11-23-83 | 11.82 | 4,200 |
| 07263580 | Rock Creek at Little Rock, Ar. | Lat 34°43'13", long 92°21'32", in NW 1/4 SW 1/4 sec.13, T.1 N., R.13 W., Pulaski County, at west 36th Street bridge in Little Rock. | 20.5 | 1978-84, | 05-02-84 | 8.88 | 2,750 |
| 07263910 | Cypress Branch near Jacksonville, Ar. | Lat 34°54'28", long 92°10'55", in SE 1/4 NE 1/4 sec.9, T.3 N., R.11 W., Pulaski County, at culvert on State Highway 107, 5.0 mi northwest of Jacksonville. | 2.38 | 1961-84 | 04-03-84 | 10.16 | 470 |
| 07264100 | White Oak Branch near Lonoke, Ar. | Lat 34°46'20", long 91°50'34", on west line SW 1/4 NW 1/4 sec.26, T.2 N., R.8 W., Lonoke County, at bridge on county road, 3.3 mi east of Lonoke. | 8.41 | 1961-84 | 05-03-84 | 8.84 | 960 |
| | | Red River basin | | | | | |
| 07339500 | Rolling Fork near DeQueen, Ar. | Lat 34°02'51", long 94°24'47", in SW 1/4 SW 1/4 sec.21, T.8 S., R.32 W., Sevier County, near center of span on downstream side of bridge on U.S. Highway 70, 4.0 mi west of DeQueen. | 182 | 1948-80†<br>1981-84 | 12-06-83 | 9.30 | 2,010 |
| 07339800 | Pepper Creek near DeQueen, Ar. | Lat 34°02'44", long 94°18'13", on north line NW 1/4 NE 1/4 sec.28, T.8 S., R.31 W., Sevier County, at bridge on U.S. Highway 71, 1.5 mi east of junction of U.S. Highways 70 and 71, and 2.3 mi east of DeQueen. | 6.41 | 1961-84 | 12-02-83 | 8.37 | 3,200 |

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | Red River basin--Continued | | | | | |
| 07340500 | Cossatot River near DeQueen, Ar. | Lat 34°02'45", long 94°12'42", in NE 1/4 NE 1/4 sec.29, T.8 S., R.30 W., Sevier County, near right bank on downstream side of bridge on U.S. Highway 71, 7.0 mi east of DeQueen. | 360 | 1938-80† 1981-84 | 05-03-84 | 10.26 | 4,240 |
| 07340530 | Mill Slough tributary near Lockesburg, Ar. | Lat 33°58'04", long 94°11'25", on south line SW 1/4 NW 1/4 sec.22, T.9 S., R.30 W., Sevier County. at culvert on State Highway 24, 1.3 mi west of Lockesburg. | .64 | 1963-84 | 05-03-84 | 6.62 | 310 |
| 07341000 | Saline River near Dierks, Ar. | Lat 34°05'45", long 94°05'04", in NW 1/4 SW 1/4 sec.3, T.8 S., R.29 W., Howard County, near left bank on downstream side of U.S. Highway 70, 4.0 mi southwest of Dierks. | 121 | 1938-80† 1981-84 | 12-06-83 | 8.19 | 1,150 |
| 07355800 | Lewis Creek tributary near Mena, Ar. | Lat 34°37'15", long 94°12'15", in NE 1/4 SW 1/4 sec.33, T.1 S., R.30 W., Polk County, at culvert on U.S. Highway 71, 3.1 mi northeast of Mena. | .65 | 1961-84 | 05-03-84 | 3.31 | 150 |
| 07357700 | Glazypeau Creek at Mountain Valley, Ar. | Lat 34° 37'33", long 93°03'10", in SE 1/4 SE 1/4 sec.20, T.1 S., R.19 W., Garland County, at bridge on State Highway 7, 0.3 mi southeast of Mountain Valley. | 3.84 | 1961-84 | 12-03-83 | 8.69 | 207 |
| 07361020 | Prairie Creek tributary near Kirby, Ar. | Lat 34°09'10", long 93°37'53", in NW 1/4 SE 1/4 sec.11, T.7 S., R.25 W., Pike County, at culvert on State Highway 27, 6.6 mi south of Kirby. | .16 | 1963-84 | 12-03-83 | 3.41 | 32 |
| 07361180 | South Fork Ozan Creek near Ozan, Ar. | Lat 33°49'15", long 93°42'28", in SE 1/4 SW 1/4 sec.5, T.11 S., R.25 W., Hempstead County, at bridge on State Highway 4, 2.0 mi south of Ozan. | 17.7 | 1963-84 | 05-03-84 | 24.00 | 6,200 |
| 07361680 | Middle Caney Creek tributary near Rosston, Ar. | Lat 33°36'19", long 93°17'31", in SW 1/4 SE 1/4 sec.17, T.13 S., R.21 W., Nevada County, at culvert on State Highway 19, 1.0 mi north of junction of State Highway 4 and 19, and 1.3 mi northwest of Rosston. Prior to 1975 published as Little Caney Creek near Rosston. | 1.48 | 1961-84 | No Peak 1984 WY | | |
| 07362330 | Dunn Creek near Hampton, Ar. | Lat 33°32'05", long 92°30'55", in SE 1/4 NW 1/4 sec.2, T.14 S., R.14 W., Calhoun County, at bridge on State Highway 4, 2.8 mi west of Hampton. | 13.6 | 1962-84 | No Peak 1984 WY | | |
| 07362500 | Moro Creek near Fordyce, Ar. | Lat 33°47'32", long 92°19'30, in NW 1/4 NW 1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce. | 240 | 1952-83† 1984 | 05-04-84 | 14.55 | 12,500 |
| 07363000 | Saline River at Benton, Ar. | Lat 34°34'05", long 92°36'40", in SE 1/4 NE 1/4 sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mi west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork. | 550 | 1951-79† 1980-84 | 11-03-83 | 18.34 | 16,600 |
| 07363050 | Holly Creek tributary near Benton, Ar. | Lat 34°32'04", long 92°33'12", in SW 1/4 NW 1/4 sec.19. T.2 S., R.14 W., Saline County, at culvert on State Highway 35, 2.8 mi southeast of Benton. | 1.44 | 1962-84 | 12-03-83 | 5.02 | 150 |

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

| Station no. | Station name | Location | Drainage area ($mi^2$) | Period of record | Annual maximum Date | Gage height (feet) | Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|---|
| | | Red River basin--Continued | | | | | |
| 07363200 | Saline River near Sheridan, Ar. | Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grant County, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan. | 1,123 | 1971-82† 1983-84 | 05-05-84 | 18.08 | 27,000 |
| 07363450 | Varnell Creek near Rison, Ar. | Lat 33°56'12", long 92°10'31", in NW 1/4 NE 1/4 sec.18, T.9 S., R.10 W., Cleveland County, at culvert on State Highway 35, 1.8 mi southeast of Rison. Prior to 1972 published as Saline River tributary near Rison. | .28 | 1964-84 | 05-03-84 | 5.73 | 38 |
| 07364030 | L'Aigle Creek tributary near Hermitage, Ar. | Lat 33°24'48", long 92°12'33", in SE 1/4 NW 1/4 sec.14, T.15 S., R.11 W., Bradley County, at culvert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage. | .36 | 1963-84 | 12-03-83 | 4.53 | 53 |
| 07364110 | Nevins Creek tributary near Pine Bluff, Ar. | Lat 34°10'08", long 92°05'12", in NW 1/4 SE 1/4 sec.26, T.6 S., R.10 W., Jefferson County, 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. | .75 | 1961-84 | 09-24-84 | 10.58 | 600 |
| 07364260 | Hanks Creek near Hamburg, Ar. (Discon.) | Lat 33°10'12", long 91°49'40", in NW 1/4 SE 1/4 sec.4, T.18 S., R.7 W., Ashley County, at bridge on State Highway 52, 4.3 mi southwest of Hamburg. | 20.9 | 1962-84 | No Peak 1984 WY | | |
| 07364550 | Cany Creek tributary near El Dorado, Ar. | Lat 33°11'22", long 92°36'28", in NE 1/4 NW 1/4 sec.1, T.18 S., R.15 W., Union County, at culvert on U.S. Highway 82, 3.5 mi southeast of El Dorado. | .13 | 1961-84 | No Peak 1984 WY | | |
| 07367658 | Cypress Creek Canal No. 19 tributary near Dumas, Ar. | Lat 33°51'47", long 91°28'46", in SE 1/4 NW 1/4 sec.2, T.10 S., R.4 W., Desha County, at culvert on U.S. Highway 65, 1.5 mi south of Dumas. | .94 | 1961-84 | 06-29-84 | 7.46 | 100 |
| 07367740 | Camp Bayou near Parkdale, Ar. | Lat 33°06'55", long 91°31'31", in SE 1/4 SW 1/4 sec.21, T.18 S., R.4 W., Ashley County, at culvert on State Highway 8, 1.3 mi east of Parkdale. | 1.86 | 1963-84 | 12-03-83 | 8.58 | 260 |

† Operated as a continuous-record gaging station.

## Measurements at Miscellaneous Sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984

| Stream | Tributary to | Location | Drainage area ($mi^2$) | Measured previously (water years) | Measurements | |
|---|---|---|---|---|---|---|
| | | | | | Date | Discharge ($ft^3/s$) |
| | | **St. Francis River basin** | | | | |
| Second Creek | L'Anguille River | Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4, sec.17, T.5 N., R.2 E., St. Francis County at bridge on county road 4.0 mi north of Palestine. | (a) | -- | 03-18-84<br>06-04-84<br>09-10-84 | 112<br>4.12<br>101 |
| | | **White River basin** | | | | |
| Spring River | Black River | Lat 36°30'10", long 91°31'31", in SE 1/4 SE 1/4 sec.5, T.21 N., R.5 W., Oregon County, Mo., 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 | 10-07-83 | 34.2 |
| South Fork Spring River | Spring River | Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, at bridge on State Highway 289, 0.2 mi southeast of Saddle. | (a) | 1974-83 | 11-10-83<br>03-25-84<br>06-06-84<br>09-12-84 | 80.9<br>287<br>95.9<br>39.3 |
| Bayou DeView | Cache River | Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, at bridge on State Highway 226, 1.8 mi northwest of Gibson. | (a) | 1974-83 | 10-05-83<br>03-19-84<br>07-24-84 | 19.4<br>146<br>0 |
| Wattensaw Bayou | White River | Lat 34°52'34", long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, at bridge on State Highway 11, 7.0 mi north of Hazen. | (a) | -- | 12-08-83<br>02-28-84<br>05-30-84 | 1,040<br>546<br>54.9 |
| | | **Arkansas River basin** | | | | |
| Little Sugar Creek | Big Sugar Creek | Lat 36°30'10", long 94°16'30", in SW 1/4 NE 1/4 sec.34, T.21 N., R.21 W., McDonald County, at bridge on U.S. Highway 71 at Caverna, Mo., and 0.1 mi downstream from Bear Creek. | 118 | 1971-83 | 10-12-83 | 35.4 |
| Butler Creek | Elk River | Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., 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 | 1971-83 | 10-12-83<br>01-25-84<br>04-09-84<br>06-26-84<br>09-17-84 | 5.66<br>7.42<br>233<br>11.2<br>2.62 |
| Illinois River | Arkansas River | Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, at bridge on State Highway 16 at Savoy. | 167 | 1957-63[b]<br>1974-78<br>1979-81[c]<br>1982-83 | 10-26-83<br>01-25-84<br>04-09-84<br>06-26-84<br>09-18-84 | 7.32<br>18.4<br>1,030<br>14.8<br>5.63 |
| Osage Creek | Illinois River | Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, on left bank, 0.7 mi downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs. | 130 | 1950-75[c]<br>1977,<br>1982-83 | 10-26-83<br>01-25-84<br>04-09-84<br>06-26-84<br>09-17-84 | 46.2<br>49<br>647<br>70.3<br>36.7 |
| Illinois River | Arkansas River | Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs. | 509 | 1979-81[c]<br>1982-83 | 10-26-83<br>01-25-84<br>04-09-84<br>06-27-84<br>09-17-84 | 103<br>138<br>4,000<br>175<br>74.6 |

a Not determined.
b Operated as a low-flow partial-record station.
c Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

| Stream | Tributary to | Location | Drainage area ($mi^2$) | Measured previously (water years) | Measurements Date | Measurements Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|
| | | Arkansas River basin--Continued | | | | |
| Sager Creek | Flint Creek | Lat 36°11'50", long 94°35'00", in SE 1/4 NE 1/4 sec.24, T.20 N., R.25 E., Delaware County, Okla., at bridge on county road, 0.8 mi west of State line and 2.6 mi northwest of Siloam Springs. | (a) | 1971-83 | 10-12-83 | 10.3 |
| Poteau River | Arkansas River | Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4 sec.17, T.3 N., R.29 W., Scott County, at bridge on U.S. Highway 71, 0.9 mi north of Waldron. | (a) | -- | 01-30-84<br>04-19-84<br>07-10-84 | 1.32<br>4.04<br>0 |
| Hurricane Creek | Mulberry River | Lat 35°42'23", long 94°01'37", in SW 1/4 SE 1/4 sec.13, T.12 N., R.29 W., Crawford County, at bridge on Forest Road, 4.8 mi north of Fern. | (a) | -- | 03-13-84<br>04-05-84<br>06-20-84<br>07-25-84<br>08-13-84 | 33.4<br>44.3<br>0.75<br>.001<br>0 |
| Big Shoal Creek | Arkansas River | Lat 35°11'41", long 93°32'37", in NW 1/4 SW 1/4 sec.10, T.6 N., R.24 W., Logan County, at low water crossing on county road 5.9 mi north of Havana. | (a) | -- | 03-13-84<br>03-14-84<br>04-03-84<br>07-25-84<br>08-15-84 | 43.9<br>35.7<br>30.2<br>0.09<br>0.25 |
| Mill Creek | Illinois Bayou | Lat 35°30'19", long 93°00'11", in NE 1/4 NW 1/4 sec.22, T.10 N., R.19 W., Pope County, at bridge on Forest Road 3.2 mi northwest of Hector. | (a) | -- | 03-14-84<br>03-21-84<br>06-20-84<br>07-25-84<br>08-13-84 | 30.6<br>29.2<br>1.40<br>.054<br>0 |
| Chickalah Creek | Petit Jean River | Lat 35°09'36", long 93°17'34", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah. | (a) | 1964-67[b] | 02-01-84<br>04-26-84<br>06-06-84<br>09-05-84 | 16.8<br>31.5<br>21.5<br>0 |
| | | Red River basin | | | | |
| Days Creek d/ | Sulphur River | Lat 33°19'15", long 93°59'53", in NE 1/4 SE 1/4 sec.33, T.16 S., R.28 W., Miller County, at bridge on State Highway 237, 7.0 mi south of Texarkana. | (a) | 1973-83 | 12-06-83<br>03-05-84<br>05-30-84 | 57.7<br>364<br>30.1 |
| Bodcau Creek | Red Chute Bayou | Lat 33°15'36", long 93°33'00", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, at bridge on State Highway 313, 6.7 mi southeast of Lewisville. | (a) | 1974-83 | 11-02-83<br>03-06-84<br>05-30-84 | 0<br>796<br>2.24 |
| Caddo River | Ouachita River | Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S, R.23 W., Clark County, at bridge on State Highway 84, 2.9 mi northeast of Amity. | 291 | -- | 12-14-83<br>03-07-84<br>05-31-84<br>08-22-84 | 741<br>1,190<br>244<br>78.4 |
| Little Missouri River | Ouachita River | Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi west of Langley. | 66.5 | 1958-63[b]<br>1974-83 | 11-01-83<br>01-24-84<br>04-18-84<br>07-11-84 | 16.6<br>116<br>78.4<br>19.1 |
| Moro Creek | Ouachita River | Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, at bridge on State Highway 4, 4.0 mi west of Banks. | 374 | 1958-63[b]<br>1974-83 | 11-21-83<br>02-22-84<br>05-16-84<br>08-09-84 | 3.05<br>625<br>608<br>931 |
| Hurricane Creek | Saline River | Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, at crossing on county road 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis. | (a) | 1974-83 | 12-09-83<br>03-01-84<br>05-30-84 | 45.8<br>106<br>37.5 |

a Not determined.
b Operated as a low-flow partial-record station.
d Operated as a stage station by Corps of Engineers.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

| Stream | Tributary to | Location | Drainage area ($mi^2$) | Measured previously (water years) | Measurements Date | Measurements Discharge ($ft^3/s$) |
|---|---|---|---|---|---|---|
| | | Red River basin--Continued | | | | |
| Bayou Bartholomew | Ouachita River | Lat 34°06'24", long 91°54'06", in NW 1/4 sec.22, T.7,W., R.8,W., Jefferson County at bridge on county road, 2.2 south of Ladd. | (a) | 1968, 1974-83 | 10-25-83 | 4.60 |
| | | | | | 01-19-84 | 22.1 |
| | | | | | 04-19-84 | 81.2 |
| | | | | | 07-12-84 | 4.57 |
| | | | | | 09-28-84 | 543 |
| Bayou DeLoutre | Ouachita River | Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, at bridge on county road, 8.5 mi southeast of El Dorado. | 78.4 | 1959-64[b] 1971-75, 1978-83 | 03-07-84 | 479 |
| | | | | | 04-17-84 | 34.9 |
| | | | | | 07-11-84 | 10.2 |

a Not determined.
b Operated as a low-flow partial-record station.

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than monthly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, AR
(LAT 36 06 10 LONG 094 00 25)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 21... | 1105 | 9 | 80513 | 80513 | .00 | 1.0 | -- | -- | 26.0 | -- | >12.0 |
| 21... | 1110 | 9 | 80513 | 80010 | .50 | 1.0 | 138 | 7.7 | -- | 18.5 | -- |
| AUG | | | | | | | | | | | |
| 13... | 1235 | 9 | 80513 | 80513 | .00 | 1.0 | -- | -- | 32.0 | -- | 12.0 |
| 13... | 1240 | 9 | 80513 | 80010 | .50 | 1.0 | 217 | 8.5 | -- | 28.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 21... | 1105 | >.30 | -- | -- | 728 | -- | -- | -- | K760 | -- |
| 21... | 1110 | -- | 10.4 | 116 | 728 | 8 | 3.4 | 1.0 | -- | 59 |
| AUG | | | | | | | | | | |
| 13... | 1235 | .30 | -- | -- | 736 | -- | -- | -- | 67 | -- |
| 13... | 1240 | -- | 12.0 | 161 | 736 | 2 | 4.1 | 1.6 | -- | 93 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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... | 1110 | .600 | .250 | .45 | .70 | 1.3 | <.010 | .010 | .900 | <.100 |
| AUG | | | | | | | | | | |
| 13... | 1240 | 1.20 | -- | -- | -- | -- | .020 | .020 | 4.60 | <.100 |

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, AR
(LAT 36 06 14 LONG 094 00 26)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 21... | 1215 | 9 | 80513 | 80513 | .00 | 46.0 | -- | -- | 25.0 | -- | 33.6 |
| 21... | 1216 | 9 | 80513 | 80010 | 3.00 | 46.0 | -- | -- | -- | -- | -- |
| 21... | 1220 | 9 | 80513 | 80010 | 23.0 | 46.0 | 104 | 7.5 | -- | 15.5 | -- |
| AUG | | | | | | | | | | | |
| 13... | 1335 | 9 | 80513 | 80513 | .00 | 38.0 | -- | -- | 29.5 | -- | 57.6 |
| 13... | 1336 | 9 | 80513 | 80010 | 3.00 | 38.0 | -- | -- | -- | -- | -- |
| 13... | 1340 | 9 | 80513 | 80010 | 19.0 | 38.0 | 160 | 7.7 | -- | 25.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 21... | 1215 | .90 | -- | -- | 728 | -- | -- | -- | 8 | -- |
| 21... | 1216 | -- | -- | -- | 728 | -- | -- | -- | -- | -- |
| 21... | 1220 | -- | 5.4 | 57 | 728 | 10 | 18 | 1.4 | -- | 49 |
| AUG | | | | | | | | | | |
| 13... | 1335 | 1.50 | -- | -- | 737 | -- | -- | -- | 0 | -- |
| 13... | 1336 | -- | -- | -- | 737 | -- | -- | -- | -- | -- |
| 13... | 1340 | -- | 1.9 | 24 | 737 | 3 | 2.0 | 1.7 | -- | 61 |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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... | 1216 | -- | -- | -- | -- | -- | -- | -- | 15.0 | <.100 |
| 21... | 1220 | .900 | .050 | .35 | .40 | 1.3 | .030 | <.010 | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1336 | -- | -- | -- | -- | -- | -- | -- | 4.40 | <.100 |
| 13... | 1340 | <.100 | -- | -- | -- | -- | .030 | .010 | -- | -- |

07049050 BEAVER LAKE AT WAR EAGLE, AR
(LAT 36 16 03 LONG 093 56 35)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1425 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 3.5 | -- |
| 06... | 1430 | 9 | 80513 | 80010 | 1.00 | 2.0 | 158 | 8.0 | -- | 7.5 |
| MAY | | | | | | | | | | |
| 21... | 1255 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 23.0 | -- |
| 21... | 1300 | 9 | 80513 | 80010 | 1.00 | 2.0 | 168 | 7.9 | -- | 19.5 |
| AUG | | | | | | | | | | |
| 13... | 1425 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 30.0 | -- |
| 13... | 1430 | 9 | 80513 | 80010 | 1.00 | 2.0 | 205 | 8.0 | -- | 25.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1425 | >24.0 | >.60 | -- | -- | 739 | -- | -- | -- | 160 |
| 06... | 1430 | -- | -- | 10.5 | 90 | 739 | 13 | 8.0 | 1.0 | -- |
| MAY | | | | | | | | | | |
| 21... | 1255 | >24.0 | >.60 | -- | -- | 729 | -- | -- | -- | 96 |
| 21... | 1300 | -- | -- | 8.7 | 99 | 729 | 3 | 1.9 | .9 | -- |
| AUG | | | | | | | | | | |
| 13... | 1425 | >24.0 | >.60 | -- | -- | 736 | -- | -- | -- | 97 |
| 13... | 1430 | -- | -- | 7.7 | 97 | 736 | 2 | 4.7 | 2.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, AR--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1430 | 73 | 4 | 4 | 26 | 65 | 1.9 | 69 | 6.8 | -- |
| MAY | | | | | | | | | | |
| 21... | 1300 | -- | -- | -- | -- | -- | -- | 82 | -- | .500 |
| AUG | | | | | | | | | | |
| 13... | 1430 | -- | -- | -- | -- | -- | -- | 93 | -- | 1.10 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 06... | 1430 | -- | -- | -- | -- | -- | -- | .400 | <.100 |
| MAY | | | | | | | | | |
| 21... | 1300 | .060 | 1.9 | 2.0 | 2.5 | .020 | <.010 | .800 | <.100 |
| AUG | | | | | | | | | |
| 13... | 1430 | -- | -- | -- | -- | .060 | .030 | 7.80 | <.100 |

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR
(LAT 36 15 31 LONG 094 04 09)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1525 | 9 | 80513 | 80513 | .00 | 75.0 | -- | -- | 2.5 | -- | 46.8 |
| 06... | 1526 | 9 | 80513 | 80010 | 3.00 | 75.0 | -- | -- | -- | -- | -- |
| 06... | 1530 | 9 | 80513 | 80010 | 15.0 | 75.0 | 154 | 6.7 | -- | 9.5 | -- |
| 06... | 1535 | 9 | 80513 | 80010 | 60.0 | 75.0 | 155 | 7.2 | -- | 9.5 | -- |
| MAY | | | | | | | | | | | |
| 21... | 1500 | 9 | 80513 | 80513 | .00 | 89.0 | -- | -- | 21.0 | -- | 18.0 |
| 21... | 1501 | 9 | 80513 | 80010 | 3.00 | 89.0 | -- | -- | -- | -- | -- |
| 21... | 1505 | 9 | 80513 | 80010 | 18.0 | 89.0 | 110 | 7.7 | -- | 16.5 | -- |
| 21... | 1510 | 9 | 80513 | 80010 | 71.0 | 89.0 | 128 | 7.5 | -- | 9.5 | -- |
| AUG | | | | | | | | | | | |
| 13... | 1520 | 9 | 80513 | 80513 | .00 | 80.0 | -- | -- | 34.0 | -- | 112 |
| 13... | 1521 | 9 | 80513 | 80010 | 3.00 | 80.0 | -- | -- | -- | -- | -- |
| 13... | 1525 | 9 | 80513 | 80010 | 16.0 | 80.0 | 113 | 8.2 | -- | 26.5 | -- |
| 13... | 1530 | 9 | 80513 | 80010 | 64.0 | 80.0 | 121 | 7.4 | -- | 13.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1525 | 1.20 | -- | -- | 739 | -- | -- | -- | 2 | -- | -- |
| 06... | 1526 | -- | -- | -- | 739 | -- | -- | -- | -- | -- | -- |
| 06... | 1530 | -- | 10.4 | 94 | 739 | 4 | 3.6 | 1.1 | -- | 68 | 2 |
| 06... | 1535 | -- | 12.3 | 111 | 739 | 5 | 5.0 | .9 | -- | 68 | 9 |
| MAY | | | | | | | | | | | |
| 21... | 1500 | .50 | -- | -- | 728 | -- | -- | -- | 0 | -- | -- |
| 21... | 1501 | -- | -- | -- | 728 | -- | -- | -- | -- | -- | -- |
| 21... | 1505 | -- | 6.1 | 65 | 728 | 15 | 10 | 1.3 | -- | -- | -- |
| 21... | 1510 | -- | 4.3 | 39 | 728 | 10 | 8.5 | 2.0 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 13... | 1520 | 2.80 | -- | -- | 736 | -- | -- | -- | 0 | -- | -- |
| 13... | 1521 | -- | -- | -- | 736 | -- | -- | -- | -- | -- | -- |
| 13... | 1525 | -- | 7.1 | 92 | 736 | 3 | 1.4 | 1.4 | -- | -- | -- |
| 13... | 1530 | -- | .1 | 0 | 736 | 5 | 21 | 1.4 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1530 | 2 | 24 | 60 | 1.9 | 1.6 | 66 | 6.0 | 7.4 | .300 |
| 06... | 1535 | 9 | 24 | 60 | 1.9 | 1.5 | 59 | 6.0 | 7.4 | .300 |
| MAY | | | | | | | | | | |
| 21... | 1505 | -- | -- | -- | -- | -- | 46 | -- | -- | .600 |
| 21... | 1510 | -- | -- | -- | -- | -- | 56 | -- | -- | .600 |
| AUG | | | | | | | | | | |
| 13... | 1525 | -- | -- | -- | -- | -- | 46 | -- | -- | <.100 |
| 13... | 1530 | -- | -- | -- | -- | -- | 54 | -- | -- | .200 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1530 | .070 | .13 | .20 | .50 | .030 | .010 | 80 | 1 | 10 |
| 06... | 1535 | .040 | .36 | .40 | .70 | .030 | <.010 | 130 | 1 | 10 |
| MAY | | | | | | | | | | |
| 21... | 1505 | .050 | .75 | .80 | 1.4 | .020 | <.010 | 160 | <1 | <10 |
| 21... | 1510 | .110 | .49 | .60 | 1.2 | .020 | <.010 | 130 | <1 | <10 |
| AUG | | | | | | | | | | |
| 13... | 1525 | -- | -- | -- | -- | .030 | .020 | 40 | <1 | <10 |
| 13... | 1530 | -- | -- | -- | -- | .060 | <.010 | 500 | 1 | <10 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1526 | -- | -- | -- | -- | -- | -- | -- | 3.90 | .700 |
| 06... | 1530 | 1 | 320 | 2 | 70 | <.1 | 2 | 10 | -- | -- |
| 06... | 1535 | 1 | 350 | 2 | 90 | .3 | 2 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 21... | 1501 | -- | -- | -- | -- | -- | -- | -- | 10.0 | <.100 |
| 21... | 1505 | 3 | 270 | 2 | 20 | <.1 | 3 | 30 | -- | -- |
| 21... | 1510 | 3 | 270 | 2 | 160 | <.1 | 2 | 50 | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1521 | -- | -- | -- | -- | -- | -- | -- | 1.70 | <.100 |
| 13... | 1525 | 4 | 200 | 4 | 20 | <.1 | 27 | <10 | -- | -- |
| 13... | 1530 | 3 | 2500 | 3 | 1800 | <.1 | 7 | 10 | -- | -- |

07049230 BEAVER LAKE AT MONTE NE, AR
(LAT 36 16 56 LONG 094 04 30)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1545 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 2.5 | -- |
| 06... | 1550 | 9 | 80513 | 80010 | 2.00 | 4.0 | 215 | 7.2 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 21... | 1525 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 21.5 | -- |
| 21... | 1526 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- |
| 21... | 1530 | 9 | 80513 | 80010 | 6.00 | 12.0 | 138 | 8.3 | -- | 23.0 |
| AUG | | | | | | | | | | |
| 13... | 1545 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 31.5 | -- |
| 13... | 1550 | 9 | 80513 | 80010 | 3.00 | 6.0 | 145 | 8.7 | -- | 28.5 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1545 | 48.0 | 1.20 | -- | -- | 739 | -- | -- | -- | 17 |
| 06... | 1550 | -- | -- | 10.2 | 91 | 739 | 3 | 2.5 | 1.1 | -- |
| MAY | | | | | | | | | | |
| 21... | 1525 | 42.0 | 1.10 | -- | -- | 728 | -- | -- | -- | 1 |
| 21... | 1526 | -- | -- | -- | -- | 728 | -- | -- | -- | -- |
| 21... | 1530 | -- | -- | 8.8 | 108 | 728 | 5 | 6.8 | 2.4 | -- |
| AUG | | | | | | | | | | |
| 13... | 1545 | 62.4 | 1.60 | -- | -- | 736 | -- | -- | -- | 0 |
| 13... | 1550 | -- | -- | 7.7 | 103 | 736 | 1 | .90 | 1.9 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049230 BEAVER LAKE AT MONTE NE, AR--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1550 | 100 | 4 | 4 | 38 | 95 | 1.7 | 98 | 9.0 | -- |
| MAY | | | | | | | | | | |
| 21... | 1530 | -- | -- | -- | -- | -- | -- | 56 | -- | .600 |
| AUG | | | | | | | | | | |
| 13... | 1550 | -- | -- | -- | -- | -- | -- | 54 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 06... | 1550 | -- | -- | -- | -- | -- | -- | 3.10 | .400 |
| MAY | | | | | | | | | |
| 21... | 1526 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| 21... | 1530 | .050 | 2.7 | 2.7 | 3.3 | .010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 13... | 1550 | -- | -- | -- | -- | .040 | .020 | 2.70 | <.100 |

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR
(LAT 36 19 57 LONG 094 01 08)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1605 | 9 | 80513 | 80513 | .00 | 105 | -- | -- | 2.0 | -- | 90.0 |
| 06... | 1606 | 9 | 80513 | 80010 | 3.00 | 105 | -- | -- | -- | -- | -- |
| 06... | 1610 | 9 | 80513 | 80010 | 21.0 | 105 | 140 | 8.1 | -- | 10.5 | -- |
| 06... | 1615 | 9 | 80513 | 80010 | 84.0 | 105 | 138 | 6.3 | -- | 10.5 | -- |
| MAY | | | | | | | | | | | |
| 21... | 1600 | 9 | 80513 | 80513 | .00 | 117 | -- | -- | 22.0 | -- | 56.4 |
| 21... | 1601 | 9 | 80513 | 80010 | 3.00 | 117 | -- | -- | -- | -- | -- |
| 21... | 1605 | 9 | 80513 | 80010 | 23.0 | 117 | 117 | 7.9 | -- | 16.5 | -- |
| 21... | 1610 | 9 | 80513 | 80010 | 94.0 | 117 | 134 | 7.7 | -- | 8.5 | -- |
| AUG | | | | | | | | | | | |
| 13... | 1615 | 9 | 80513 | 80513 | .00 | 115 | -- | -- | 31.0 | -- | 121 |
| 13... | 1616 | 9 | 80513 | 80010 | 3.00 | 115 | -- | -- | -- | -- | -- |
| 13... | 1620 | 9 | 80513 | 80010 | 23.0 | 115 | 229 | 8.1 | -- | 25.5 | -- |
| 13... | 1625 | 9 | 80513 | 80010 | 92.0 | 115 | 143 | 7.7 | -- | 10.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

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

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1605 | 2.30 | -- | -- | 739 | -- | -- | -- | 0 | -- | -- |
| 06... | 1606 | -- | -- | -- | 739 | -- | -- | -- | -- | -- | -- |
| 06... | 1610 | -- | 9.8 | 91 | 739 | 5 | 3.7 | 1.3 | -- | 62 | 3 |
| 06... | 1615 | -- | 11.0 | 102 | 739 | 5 | 3.7 | 1.0 | -- | 62 | 6 |
| MAY | | | | | | | | | | | |
| 21... | 1600 | 1.40 | -- | -- | 728 | -- | -- | -- | 0 | -- | -- |
| 21... | 1601 | -- | -- | -- | 728 | -- | -- | -- | -- | -- | -- |
| 21... | 1605 | -- | 7.4 | 79 | 728 | 10 | 5.1 | 1.2 | -- | -- | -- |
| 21... | 1610 | -- | 5.7 | 51 | 728 | 5 | 4.4 | 1.6 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 13... | 1615 | 3.1 | -- | -- | 736 | -- | -- | -- | 0 | -- | -- |
| 13... | 1616 | -- | -- | -- | 736 | -- | -- | -- | -- | -- | -- |
| 13... | 1620 | -- | 5.6 | 71 | 736 | 3 | .70 | 1.3 | -- | -- | -- |
| 13... | 1625 | -- | .1 | 0 | 736 | 2 | 1.0 | 1.2 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1610 | 3 | 22 | 55 | 1.7 | 1.4 | 59 | 6.0 | 5.8 | .100 |
| 06... | 1615 | 6 | 22 | 55 | 1.7 | 1.4 | 56 | 6.0 | 5.4 | .100 |
| MAY | | | | | | | | | | |
| 21... | 1605 | -- | -- | -- | -- | -- | 52 | -- | -- | .600 |
| 21... | 1610 | -- | -- | -- | -- | -- | 59 | -- | -- | .700 |
| AUG | | | | | | | | | | |
| 13... | 1620 | -- | -- | -- | -- | -- | 50 | -- | -- | .100 |
| 13... | 1625 | -- | -- | -- | -- | -- | 64 | -- | -- | .400 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1610 | <.010 | -- | .20 | .30 | .010 | <.010 | 0 | 1 | 10 |
| 06... | 1615 | <.010 | -- | <.10 | -- | .010 | <.010 | 80 | 1 | <10 |
| MAY | | | | | | | | | | |
| 21... | 1605 | .040 | .46 | .50 | 1.1 | <.010 | <.010 | 70 | <1 | 10 |
| 21... | 1610 | .120 | .48 | .60 | 1.3 | <.010 | <.010 | 50 | <1 | <10 |
| AUG | | | | | | | | | | |
| 13... | 1620 | -- | -- | -- | -- | .010 | .010 | 30 | 1 | <10 |
| 13... | 1625 | -- | -- | -- | -- | .040 | .020 | 60 | 1 | 10 |

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

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

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1606 | -- | -- | -- | -- | -- | -- | -- | 2.20 | .400 |
| 06... | 1610 | 1 | 240 | 2 | 310 | <.1 | 3 | 10 | -- | -- |
| 06... | 1615 | 1 | 270 | <1 | 340 | <.1 | 2 | 10 | -- | -- |
| MAY | | | | | | | | | | |
| 21... | 1601 | -- | -- | -- | -- | -- | -- | -- | 2.20 | <.100 |
| 21... | 1605 | 2 | 150 | 3 | 10 | <.1 | 4 | 20 | -- | -- |
| 21... | 1610 | 2 | 140 | 3 | 130 | <.1 | 3 | 20 | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1616 | -- | -- | -- | -- | -- | -- | -- | 1.80 | <.100 |
| 13... | 1620 | 3 | 30 | 1 | 60 | <.1 | 10 | 10 | -- | -- |
| 13... | 1625 | 2 | 170 | 1 | 70 | <.1 | 5 | 10 | -- | -- |

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR
(LAT 36 20 48 LONG 094 04 57)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1650 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 1.5 | -- |
| 06... | 1655 | 9 | 80513 | 80010 | 2.00 | 4.0 | 134 | 7.6 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 21... | 1405 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 24.0 | -- |
| 21... | 1406 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- |
| 21... | 1410 | 9 | 80513 | 80010 | 6.00 | 12.0 | 123 | 8.8 | -- | 22.0 |
| AUG | | | | | | | | | | |
| 13... | 1635 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 31.0 | -- |
| 13... | 1640 | 9 | 80513 | 80010 | 2.00 | 4.0 | 125 | 8.9 | -- | 29.5 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1650 | >48.0 | >1.20 | -- | -- | 740 | -- | -- | -- | 2 |
| 06... | 1655 | -- | -- | 11.2 | 100 | 740 | 5 | 2.0 | 1.6 | -- |
| MAY | | | | | | | | | | |
| 21... | 1405 | 33.6 | .90 | -- | -- | 729 | -- | -- | -- | 4 |
| 21... | 1406 | -- | -- | -- | -- | 729 | -- | -- | -- | -- |
| 21... | 1410 | -- | -- | 10.4 | 125 | 729 | 2 | 5.8 | 2.3 | -- |
| AUG | | | | | | | | | | |
| 13... | 1635 | 44.4 | 1.10 | -- | -- | 736 | -- | -- | -- | 0 |
| 13... | 1640 | -- | -- | 9.1 | 124 | 736 | 2 | 1.5 | 1.7 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR--CONTINUED

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1655 | 62 | 3 | 3 | 22 | 55 | 1.7 | 59 | 14 | -- |
| MAY | | | | | | | | | | |
| 21... | 1410 | -- | -- | -- | -- | -- | -- | 49 | -- | .200 |
| AUG | | | | | | | | | | |
| 13... | 1640 | -- | -- | -- | -- | -- | -- | 46 | -- | <.100 |

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 06... | 1655 | -- | -- | -- | -- | -- | -- | 6.70 | 1.30 |
| MAY | | | | | | | | | |
| 21... | 1406 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 21... | 1410 | .050 | .75 | .80 | 1.0 | .010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 13... | 1640 | -- | -- | -- | -- | .010 | .020 | 2.60 | <.100 |

07049590 BEAVER LAKE NEAR AVOCA, AR
(LAT 36 22 10 LONG 094 03 38)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1635 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 1.5 | -- | >48.0 |
| 06... | 1640 | 9 | 80513 | 80010 | 2.00 | 4.0 | 152 | 7.5 | -- | 8.5 | -- |
| MAY | | | | | | | | | | | |
| 21... | 1425 | 9 | 80513 | 80010 | .00 | 12.0 | -- | -- | 24.5 | -- | 40.8 |
| 21... | 1426 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 21... | 1430 | 9 | 80513 | 80010 | 6.00 | 12.0 | 126 | 8.4 | -- | 23.0 | -- |
| AUG | | | | | | | | | | | |
| 13... | 1655 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 31.0 | -- | 49.2 |
| 13... | 1700 | 9 | 80513 | 80010 | 3.00 | 6.0 | 125 | 8.9 | -- | 29.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 1635 | >1.20 | -- | -- | 740 | -- | -- | -- | 1 | -- | -- |
| 06... | 1640 | -- | 11.0 | 97 | 740 | 4 | 1.9 | 1.4 | -- | 67 | 0 |
| MAY | | | | | | | | | | | |
| 21... | 1425 | 1.00 | -- | -- | 729 | -- | -- | -- | 1 | -- | -- |
| 21... | 1426 | -- | -- | -- | 729 | -- | -- | -- | -- | -- | -- |
| 21... | 1430 | -- | 10.1 | 123 | 729 | 5 | 5.0 | 2.2 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 13... | 1655 | 1.30 | -- | -- | 736 | -- | -- | -- | 3 | -- | -- |
| 13... | 1700 | -- | 9.5 | 128 | 736 | 2 | 2.0 | 2.3 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1640 | 0 | 24 | 60 | 1.7 | 1.3 | 128 | 6.0 | 7.4 | .200 |
| MAY | | | | | | | | | | |
| 21... | 1430 | -- | -- | -- | -- | -- | 52 | -- | -- | .600 |
| AUG | | | | | | | | | | |
| 13... | 1700 | -- | -- | -- | -- | -- | 53 | -- | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1640 | <.010 | -- | <.10 | -- | .010 | <.010 | 50 | 1 | 10 |
| MAY | | | | | | | | | | |
| 21... | 1430 | .390 | 1.8 | 2.2 | 2.8 | .010 | .180 | 90 | <1 | <10 |
| AUG | | | | | | | | | | |
| 13... | 1700 | -- | -- | -- | -- | .050 | <.010 | 120 | <1 | <10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 1640 | 1 | 190 | 2 | 90 | <.1 | 1 | <10 | 6.90 | 1.30 |
| MAY | | | | | | | | | | |
| 21... | 1426 | -- | -- | -- | -- | -- | -- | -- | 6.60 | <.100 |
| 21... | 1430 | 3 | 200 | <1 | 20 | <.1 | 5 | 40 | -- | -- |
| AUG | | | | | | | | | | |
| 13... | 1700 | 3 | 300 | 5 | 30 | <.1 | 2 | 40 | 6.90 | <.100 |

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO
(LAT 36 31 22 LONG 093 43 26)

WHITE RIVER BASIN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1000 | 9 | 80513 | 80513 | .00 | 55.0 | -- | -- | 7.0 | -- |
| 07... | 1001 | 9 | 80513 | 80010 | 3.00 | 55.0 | -- | -- | -- | -- |
| 07... | 1005 | 9 | 80513 | 80010 | 11.0 | 55.0 | 197 | 8.1 | -- | 8.5 |
| 07... | 1010 | 9 | 80513 | 80010 | 44.0 | 55.0 | 200 | 8.0 | -- | 8.0 |
| APR | | | | | | | | | | |
| 14... | 1031 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 0730 | 9 | 80513 | 80513 | .00 | 59.0 | -- | -- | 18.5 | -- |
| 22... | 0731 | 9 | 80513 | 80010 | 3.00 | 59.0 | -- | -- | -- | -- |
| 22... | 0735 | 9 | 80513 | 80010 | 12.0 | 59.0 | 196 | 8.1 | -- | 16.0 |
| 22... | 0740 | 9 | 80513 | 80010 | 47.0 | 59.0 | 143 | 8.0 | -- | 9.0 |
| AUG | | | | | | | | | | |
| 14... | 1030 | 9 | 80513 | 80513 | .00 | 55.0 | -- | -- | 27.5 | -- |
| 14... | 1031 | 9 | 80513 | 80010 | 3.00 | 55.0 | -- | -- | -- | -- |
| 14... | 1035 | 9 | 80513 | 80010 | 11.0 | 55.0 | 205 | 8.6 | -- | 27.5 |
| 14... | 1040 | 9 | 80513 | 80010 | 44.0 | 55.0 | 152 | 8.0 | -- | 14.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1000 | 74.4 | 1.90 | -- | -- | 739 | -- | -- | -- | 0 |
| 07... | 1001 | -- | -- | -- | -- | 739 | -- | -- | -- | -- |
| 07... | 1005 | -- | -- | 10.4 | 92 | 739 | 4 | 1.4 | -- | -- |
| 07... | 1010 | -- | -- | 10.2 | 89 | 739 | 4 | 1.5 | -- | -- |
| APR | | | | | | | | | | |
| 14... | 1031 | -- | -- | -- | -- | 743 | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 0730 | 134 | 3.4 | -- | -- | 735 | -- | -- | -- | 0 |
| 22... | 0731 | -- | -- | -- | -- | 735 | -- | -- | -- | -- |
| 22... | 0735 | -- | -- | 10.3 | 108 | 735 | 5 | 1.6 | 1.2 | -- |
| 22... | 0740 | -- | -- | 10.2 | 92 | 735 | 3 | 1.2 | .7 | -- |
| AUG | | | | | | | | | | |
| 14... | 1030 | 158 | 4.0 | -- | -- | 743 | -- | -- | -- | 0 |
| 14... | 1031 | -- | -- | -- | -- | 743 | -- | -- | -- | -- |
| 14... | 1035 | -- | -- | 7.5 | 98 | 743 | 3 | .70 | 2.4 | -- |
| 14... | 1040 | -- | -- | 6.1 | 61 | 743 | 2 | 12 | 1.4 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1005 | 95 | 8 | 8 | 27 | 68 | 6.8 | 88 | 4.4 | -- |
| 07... | 1010 | 90 | 2 | 2 | 29 | 72 | 4.3 | 88 | 9.4 | -- |
| MAY | | | | | | | | | | |
| 22... | 0735 | -- | -- | -- | -- | -- | -- | 92 | -- | 5.90 |
| 22... | 0740 | -- | -- | -- | -- | -- | -- | 62 | -- | .300 |
| AUG | | | | | | | | | | |
| 14... | 1035 | -- | -- | -- | -- | -- | -- | 87 | -- | <.100 |
| 14... | 1040 | -- | -- | -- | -- | -- | -- | 54 | -- | .200 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1001 | -- | -- | -- | -- | -- | -- | 4.90 | .600 |
| MAY | | | | | | | | | |
| 22... | 0731 | -- | -- | -- | -- | -- | -- | 1.60 | <.100 |
| 22... | 0735 | .060 | -- | <.10 | -- | <.010 | <.010 | -- | -- |
| 22... | 0740 | .020 | .38 | .40 | .70 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1031 | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 14... | 1035 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 14... | 1040 | -- | -- | -- | -- | <.010 | .020 | -- | -- |

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO
(LAT 36 30 08 LONG 093 36 00)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1035 | 9 | 80513 | 80513 | .00 | 15.0 | -- | -- | 7.5 | -- |
| 07... | 1040 | 9 | 80513 | 80010 | 3.00 | 15.0 | 285 | 8.1 | -- | 7.0 |
| 07... | 1045 | 9 | 80513 | 80010 | 12.0 | 15.0 | 285 | 8.2 | -- | 7.0 |
| MAY | | | | | | | | | | |
| 22... | 0815 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 19.5 | -- |
| 22... | 0816 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- |
| 22... | 0820 | 9 | 80513 | 80010 | 4.00 | 20.0 | 230 | 8.1 | -- | 19.5 |
| 22... | 0825 | 9 | 80513 | 80010 | 16.0 | 20.0 | 239 | 7.6 | -- | 17.0 |
| AUG | | | | | | | | | | |
| 14... | 1105 | 9 | 80513 | 80513 | .00 | 18.0 | -- | -- | 26.5 | -- |
| 14... | 1106 | 9 | 80513 | 80010 | 3.00 | 18.0 | -- | -- | -- | -- |
| 14... | 1110 | 9 | 80513 | 80010 | 3.50 | 18.0 | 250 | 8.4 | -- | 28.5 |
| 14... | 1115 | 9 | 80513 | 80010 | 14.5 | 18.0 | 312 | 8.0 | -- | 27.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1035 | 90.0 | 2.30 | -- | -- | 739 | -- | -- | -- | 56 |
| 07... | 1040 | -- | -- | 10.8 | 92 | 739 | 5 | 1.5 | -- | -- |
| 07... | 1045 | -- | -- | 10.9 | 93 | 739 | 4 | 1.9 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 0815 | 56.4 | 1.40 | -- | -- | 735 | -- | -- | -- | 25 |
| 22... | 0816 | -- | -- | -- | -- | 735 | -- | -- | -- | -- |
| 22... | 0820 | -- | -- | 7.2 | 81 | 735 | 5 | 3.4 | 1.3 | -- |
| 22... | 0825 | -- | -- | 3.1 | 33 | 735 | 5 | 4.5 | 1.3 | -- |
| AUG | | | | | | | | | | |
| 14... | 1105 | 50.4 | 1.30 | -- | -- | 742 | -- | -- | -- | 3 |
| 14... | 1106 | -- | -- | -- | -- | 742 | -- | -- | -- | -- |
| 14... | 1110 | -- | -- | 9.5 | 126 | 742 | 3 | 1.2 | 2.6 | -- |
| 14... | 1115 | -- | -- | .4 | 5 | 742 | 2 | 10 | .9 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1040 | 140 | 18 | 18 | 37 | 92 | 11 | 120 | 7.4 | -- |
| 07... | 1045 | 140 | 7 | 7 | 39 | 98 | 9.9 | 131 | 6.4 | -- |
| MAY | | | | | | | | | | |
| 22... | 0820 | -- | -- | -- | -- | -- | -- | 120 | -- | <.100 |
| 22... | 0825 | -- | -- | -- | -- | -- | -- | 120 | -- | .100 |
| AUG | | | | | | | | | | |
| 14... | 1110 | -- | -- | -- | -- | -- | -- | 112 | -- | <.100 |
| 14... | 1115 | -- | -- | -- | -- | -- | -- | 110 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1040 | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| MAY | | | | | | | | | |
| 22... | 0816 | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 22... | 0820 | .080 | .92 | 1.0 | -- | .010 | <.010 | -- | -- |
| 22... | 0825 | .320 | .28 | .60 | .70 | .020 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1106 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| 14... | 1110 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 14... | 1115 | -- | -- | -- | -- | <.010 | .030 | -- | -- |

07050530 TABLE ROCK LAKE NEAR LAMPE, MO
(LAT 36 34 20 LONG 093 31 25)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1315 | 9 | 80513 | 80513 | .00 | 135 | -- | -- | 9.5 | -- | 74.4 |
| 07... | 1316 | 9 | 80513 | 80010 | 3.00 | 135 | -- | -- | -- | -- | -- |
| 07... | 1320 | 9 | 80513 | 80010 | 27.0 | 135 | 184 | 7.6 | -- | 11.0 | -- |
| 07... | 1325 | 9 | 80513 | 80010 | 108 | 135 | 184 | 7.6 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 22... | 1150 | 9 | 80513 | 80513 | .00 | 143 | -- | -- | 20.5 | -- | 184 |
| 22... | 1151 | 9 | 80513 | 80010 | 3.00 | 143 | -- | -- | -- | -- | -- |
| 22... | 1155 | 9 | 80513 | 80010 | 29.0 | 143 | 185 | 8.4 | -- | 15.0 | -- |
| 22... | 1200 | 9 | 80513 | 80010 | 115 | 143 | 180 | 7.7 | -- | 8.0 | -- |
| AUG | | | | | | | | | | | |
| 14... | 1520 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 31.0 | -- | 149 |
| 14... | 1521 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- | -- |
| 14... | 1525 | 9 | 80513 | 80010 | 28.0 | 140 | 205 | 8.3 | -- | 23.0 | -- |
| 14... | 1530 | 9 | 80513 | 80010 | 112 | 140 | 170 | 8.0 | -- | 10.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1315 | 1.90 | -- | -- | 736 | -- | -- | -- | 1 | -- | -- |
| 07... | 1316 | -- | -- | -- | 736 | -- | -- | -- | -- | -- | -- |
| 07... | 1320 | -- | 8.0 | 75 | 736 | 5 | 1.8 | 1.0 | -- | 91 | 9 |
| 07... | 1325 | -- | 8.1 | 76 | 736 | 5 | 2.6 | 1.0 | -- | 84 | 48 |
| MAY | | | | | | | | | | | |
| 22... | 1150 | 4.7 | -- | -- | 739 | -- | -- | -- | 0 | -- | -- |
| 22... | 1151 | -- | -- | -- | 739 | -- | -- | -- | -- | -- | -- |
| 22... | 1155 | -- | 9.0 | 92 | 739 | 4 | <1.0 | 1.9 | -- | -- | -- |
| 22... | 1200 | -- | 6.3 | 55 | 739 | 5 | 1.2 | .8 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 1520 | 3.8 | -- | -- | 742 | -- | -- | -- | 0 | -- | -- |
| 14... | 1521 | -- | -- | -- | 742 | -- | -- | -- | -- | -- | -- |
| 14... | 1525 | -- | 6.5 | 78 | 742 | 2 | .70 | 1.6 | -- | -- | -- |
| 14... | 1530 | -- | .8 | 7 | 742 | 3 | 7.8 | 1.6 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1320 | 9 | 28 | 70 | 5.0 | 82 | 6.0 | 6.4 | .200 | .020 |
| 07... | 1325 | 48 | 25 | 62 | 5.2 | 36 | 6.0 | 7.0 | .200 | <.010 |
| MAY | | | | | | | | | | |
| 22... | 1155 | -- | -- | -- | -- | 110 | -- | -- | .400 | .040 |
| 22... | 1200 | -- | -- | -- | -- | 100 | -- | -- | .500 | .040 |
| AUG | | | | | | | | | | |
| 14... | 1525 | -- | -- | -- | -- | 94 | -- | -- | .200 | -- |
| 14... | 1530 | -- | -- | -- | -- | 57 | -- | -- | .300 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1316 | -- | -- | -- | -- | -- | -- | -- | .900 | <.100 |
| 07... | 1320 | -- | <.10 | -- | .010 | <.010 | 130 | 100 | -- | -- |
| 07... | 1325 | -- | .40 | .60 | .010 | <.010 | 210 | 130 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1151 | -- | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 22... | 1155 | 1.2 | 1.2 | 1.6 | .020 | <.010 | -- | -- | -- | -- |
| 22... | 1200 | .76 | .80 | 1.3 | <.010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1521 | -- | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 14... | 1525 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 14... | 1530 | -- | -- | -- | <.010 | .010 | -- | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO
(LAT 36 43 24 LONG 093 29 35)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1205 | 9 | 80513 | 80513 | .00 | 42.0 | -- | -- | 8.5 | -- | 69.6 |
| 07... | 1206 | 9 | 80513 | 80010 | 3.00 | 42.0 | -- | -- | -- | -- | -- |
| 07... | 1210 | 9 | 80513 | 80010 | 8.00 | 42.0 | 275 | 7.5 | -- | 11.0 | -- |
| 07... | 1215 | 9 | 80513 | 80010 | 34.0 | 42.0 | 275 | 7.6 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 22... | 1015 | 9 | 80513 | 80513 | .00 | 50.0 | -- | -- | 20.0 | -- | 73.2 |
| 22... | 1016 | 9 | 80513 | 80010 | 3.00 | 50.0 | -- | -- | -- | -- | -- |
| 22... | 1020 | 9 | 80513 | 80010 | 10.0 | 50.0 | 235 | 8.4 | -- | 21.5 | -- |
| 22... | 1025 | 9 | 80513 | 80010 | 40.0 | 50.0 | 260 | 8.0 | -- | 15.0 | -- |
| AUG | | | | | | | | | | | |
| 14... | 1330 | 9 | 80513 | 80513 | .00 | 44.0 | -- | -- | 30.0 | -- | 43.2 |
| 14... | 1331 | 9 | 80513 | 80010 | 3.00 | 44.0 | -- | -- | -- | -- | -- |
| 14... | 1335 | 9 | 80513 | 80010 | 9.00 | 44.0 | 230 | 8.1 | -- | 26.5 | -- |
| 14... | 1340 | 9 | 80513 | 80010 | 35.0 | 44.0 | 340 | 7.6 | -- | 20.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1205 | 1.80 | -- | -- | 738 | -- | -- | -- | 0 | -- | -- |
| 07... | 1206 | -- | -- | -- | 738 | -- | -- | -- | -- | -- | -- |
| 07... | 1210 | -- | 8.8 | 82 | 738 | 5 | 2.2 | 1.0 | -- | 120 | 1 |
| 07... | 1215 | -- | 8.3 | 78 | 738 | 4 | 2.9 | .3 | -- | 120 | 9 |
| MAY | | | | | | | | | | | |
| 22... | 1015 | 1.90 | -- | -- | 737 | -- | -- | -- | 3 | -- | -- |
| 22... | 1016 | -- | -- | -- | 737 | -- | -- | -- | -- | -- | -- |
| 22... | 1020 | -- | 10.7 | 126 | 737 | 3 | 1.4 | 3.1 | -- | -- | -- |
| 22... | 1025 | -- | 2.6 | 27 | 737 | 1 | 2.8 | 1.5 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 14... | 1330 | 1.10 | -- | -- | 742 | -- | -- | -- | 1 | -- | -- |
| 14... | 1331 | -- | -- | -- | 742 | -- | -- | -- | -- | -- | -- |
| 14... | 1335 | -- | 6.3 | 81 | 742 | 2 | 2.4 | 2.4 | -- | -- | -- |
| 14... | 1340 | -- | .1 | 1 | 742 | 2 | 22 | 3.0 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1210 | 1 | 39 | 98 | 6.0 | 121 | 10 | 12 | .500 | .020 |
| 07... | 1215 | 9 | 40 | 100 | 5.9 | 115 | 10 | 12 | .500 | .030 |
| MAY | | | | | | | | | | |
| 22... | 1020 | -- | -- | -- | -- | 120 | -- | -- | .600 | .050 |
| 22... | 1025 | -- | -- | -- | -- | 140 | -- | -- | 1.20 | .130 |
| AUG | | | | | | | | | | |
| 14... | 1335 | -- | -- | -- | -- | 86 | -- | -- | <.100 | -- |
| 14... | 1340 | -- | -- | -- | -- | 125 | -- | -- | <.100 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO--CONTINUED

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1206 | -- | -- | -- | -- | -- | -- | -- | 2.30 | .400 |
| 07... | 1210 | .18 | .20 | .70 | .050 | .020 | 180 | 20 | -- | -- |
| 07... | 1215 | .47 | .50 | 1.0 | .040 | .020 | 200 | 40 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1016 | -- | -- | -- | -- | -- | -- | -- | 5.70 | <.100 |
| 22... | 1020 | .65 | .70 | 1.3 | .050 | <.010 | -- | -- | -- | -- |
| 22... | 1025 | .37 | .50 | 1.7 | .080 | .060 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1331 | -- | -- | -- | -- | -- | -- | -- | 9.60 | <.100 |
| 14... | 1335 | -- | -- | -- | <.010 | .010 | -- | -- | -- | -- |
| 14... | 1340 | -- | -- | -- | .280 | .170 | -- | -- | -- | -- |

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO
(LAT 36 38 23 LONG 093 29 27)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1245 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 9.5 | -- |
| 07... | 1246 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- |
| 07... | 1250 | 9 | 80513 | 80010 | 28.0 | 140 | 260 | 7.5 | -- | 11.5 |
| 07... | 1255 | 9 | 80513 | 80010 | 112 | 140 | 265 | 7.7 | -- | 11.0 |
| MAY | | | | | | | | | | |
| 22... | 1115 | 9 | 80513 | 80513 | .00 | 149 | -- | -- | 19.5 | -- |
| 22... | 1116 | 9 | 80513 | 80010 | 3.00 | 149 | -- | -- | -- | -- |
| 22... | 1120 | 9 | 80513 | 80010 | 30.0 | 149 | 230 | 8.3 | -- | 15.5 |
| 22... | 1125 | 9 | 80513 | 80010 | 109 | 149 | 235 | 7.8 | -- | 8.5 |
| AUG | | | | | | | | | | |
| 14... | 1445 | 9 | 80513 | 80513 | .00 | 145 | -- | -- | 31.5 | -- |
| 14... | 1446 | 9 | 80513 | 80010 | 3.00 | 145 | -- | -- | -- | -- |
| 14... | 1450 | 9 | 80513 | 80010 | 29.0 | 145 | 220 | 8.1 | -- | 22.5 |
| 14... | 1455 | 9 | 80513 | 80010 | 116 | 145 | 265 | 7.7 | -- | 11.0 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1245 | 79.2 | 2.00 | -- | -- | 738 | -- | -- | -- | 1 |
| 07... | 1246 | -- | -- | -- | -- | 738 | -- | -- | -- | -- |
| 07... | 1250 | -- | -- | 8.1 | 77 | 738 | 7 | 1.7 | -- | -- |
| 07... | 1255 | -- | -- | 8.1 | 76 | 738 | 8 | 2.3 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1115 | 178 | 4.5 | -- | -- | 738 | -- | -- | -- | 0 |
| 22... | 1116 | -- | -- | -- | -- | 738 | -- | -- | -- | -- |
| 22... | 1120 | -- | -- | 8.0 | 83 | 738 | 3 | <1.0 | .9 | -- |
| 22... | 1125 | -- | -- | 5.7 | 50 | 738 | 5 | 1.0 | .9 | -- |
| AUG | | | | | | | | | | |
| 14... | 1445 | 101 | 2.60 | -- | -- | 742 | -- | -- | -- | 0 |
| 14... | 1446 | -- | -- | -- | -- | 742 | -- | -- | -- | -- |
| 14... | 1450 | -- | -- | 3.1 | 37 | 742 | 2 | .40 | 1.4 | -- |
| 14... | 1455 | -- | -- | .1 | 0 | 742 | 2 | 1.1 | 1.4 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO--CONTINUED

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DIS-SOLVED (MG/L AS SO4) (00945) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1250 | 120 | 9 | 9 | 39 | 98 | 5.7 | 112 | 8.0 | 9.8 |
| 07... | 1255 | 120 | 4 | 4 | 38 | 95 | 5.7 | 115 | -- | 10 |
| MAY | | | | | | | | | | |
| 22... | 1120 | -- | -- | -- | -- | -- | -- | 130 | -- | -- |
| 22... | 1125 | -- | -- | -- | -- | -- | -- | 120 | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1450 | -- | -- | -- | -- | -- | -- | 97 | -- | -- |
| 14... | 1455 | -- | -- | -- | -- | -- | -- | 98 | -- | -- |

| DATE | TIME | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1246 | -- | -- | -- | -- | -- | -- | -- | 2.10 | .500 |
| MAY | | | | | | | | | | |
| 22... | 1116 | -- | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| 22... | 1120 | 1.10 | .080 | .42 | .50 | 1.6 | <.010 | <.010 | -- | -- |
| 22... | 1125 | 1.40 | .050 | .45 | .50 | 1.9 | .050 | .040 | -- | -- |
| AUG | | | | | | | | | | |
| 14... | 1446 | -- | -- | -- | -- | -- | -- | -- | 2.40 | <.100 |
| 14... | 1450 | .300 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 14... | 1455 | 1.10 | -- | -- | -- | -- | .030 | .040 | -- | -- |

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO
(LAT 36 31 39 LONG 093 18 10)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1530 | 9 | 80513 | 80513 | .00 | 105 | -- | -- | 7.0 | -- |
| 07... | 1531 | 9 | 80513 | 80010 | 3.00 | 105 | -- | -- | -- | -- |
| 07... | 1535 | 9 | 80513 | 80010 | 21.0 | 105 | 225 | 7.8 | -- | 11.0 |
| 07... | 1540 | 9 | 80513 | 80010 | 84.0 | 105 | 235 | 7.8 | -- | 10.5 |
| MAY | | | | | | | | | | |
| 22... | 1515 | 9 | 80513 | 80513 | .00 | 114 | -- | -- | 22.0 | -- |
| 22... | 1516 | 9 | 80513 | 80010 | 3.00 | 114 | -- | -- | -- | -- |
| 22... | 1520 | 9 | 80513 | 80010 | 23.0 | 114 | 225 | 8.6 | -- | 15.5 |
| 22... | 1525 | 9 | 80513 | 80010 | 91.0 | 114 | 225 | 7.9 | -- | 10.0 |
| AUG | | | | | | | | | | |
| 14... | 1805 | 9 | 80513 | 80513 | .00 | 110 | -- | -- | 30.0 | -- |
| 14... | 1806 | 9 | 80513 | 80010 | 3.00 | 110 | -- | -- | -- | -- |
| 14... | 1810 | 9 | 80513 | 80010 | 22.0 | 110 | 190 | 8.7 | -- | 26.0 |
| 14... | 1815 | 9 | 80513 | 80010 | 88.0 | 110 | 235 | 7.8 | -- | 12.0 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1530 | 90.0 | 2.30 | -- | -- | 736 | -- | -- | -- | 0 |
| 07... | 1531 | -- | -- | -- | -- | 736 | -- | -- | -- | -- |
| 07... | 1535 | -- | -- | 9.5 | 89 | 736 | 6 | 1.6 | -- | -- |
| 07... | 1540 | -- | -- | 8.8 | 82 | 736 | 4 | 5.2 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1515 | 109 | 2.80 | -- | -- | 738 | -- | -- | -- | 0 |
| 22... | 1516 | -- | -- | -- | -- | 738 | -- | -- | -- | -- |
| 22... | 1520 | -- | -- | 11.0 | 114 | 738 | 1 | <1.0 | 1.3 | -- |
| 22... | 1525 | -- | -- | 6.3 | 58 | 738 | 5 | 1.0 | .7 | -- |
| AUG | | | | | | | | | | |
| 14... | 1805 | 155 | 3.9 | -- | -- | 741 | -- | -- | -- | 0 |
| 14... | 1806 | -- | -- | -- | -- | 741 | -- | -- | -- | -- |
| 14... | 1810 | -- | -- | 9.0 | 114 | 741 | 3 | .80 | 2.2 | -- |
| 14... | 1815 | -- | -- | .1 | 0 | 741 | 2 | 2.0 | 1.1 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1535 | 110 | 6 | 6 | 33 | 82 | 5.6 | 100 | 8.4 | -- |
| 07... | 1540 | 120 | 10 | 10 | 39 | 98 | 5.0 | 108 | 8.4 | -- |
| MAY | | | | | | | | | | |
| 22... | 1520 | -- | -- | -- | -- | -- | -- | 100 | -- | .500 |
| 22... | 1525 | -- | -- | -- | -- | -- | -- | 100 | -- | .700 |
| AUG | | | | | | | | | | |
| 14... | 1810 | -- | -- | -- | -- | -- | -- | 72 | -- | .800 |
| 14... | 1815 | -- | -- | -- | -- | -- | -- | 93 | -- | .600 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 07... | 1531 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| MAY | | | | | | | | | |
| 22... | 1516 | -- | -- | -- | -- | -- | -- | 1.00 | <.100 |
| 22... | 1520 | .060 | -- | <.10 | -- | <.010 | <.010 | -- | -- |
| 22... | 1525 | .020 | .48 | .50 | 1.2 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 14... | 1806 | -- | -- | -- | -- | -- | -- | 1.50 | <.100 |
| 14... | 1810 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 14... | 1815 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO
(LAT 36 40 17 LONG 093 07 10)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1725 | 9 | 80513 | 80513 | .00 | 14.0 | -- | -- | 12.0 | -- | 54.0 |
| 07... | 1726 | 9 | 80513 | 80010 | 3.00 | 14.0 | -- | -- | -- | -- | -- |
| 07... | 1730 | 9 | 80513 | 80010 | 7.00 | 14.0 | 220 | 7.9 | -- | 10.0 | -- |
| MAY | | | | | | | | | | | |
| 22... | 1645 | 9 | 80513 | 80513 | .00 | 14.0 | -- | -- | 25.0 | -- | 69.6 |
| 22... | 1646 | 9 | 80513 | 80010 | 3.00 | 14.0 | -- | -- | -- | -- | -- |
| 22... | 1650 | 9 | 80513 | 80010 | 7.00 | 14.0 | 230 | 8.1 | -- | 12.5 | -- |
| AUG | | | | | | | | | | | |
| 15... | 0845 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 21.0 | -- | 92.4 |
| 15... | 0846 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 15... | 0850 | 9 | 80513 | 80010 | 6.00 | 12.0 | 235 | 7.9 | -- | 15.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 07... | 1725 | 1.40 | -- | -- | 750 | -- | -- | -- | 21 | -- | -- |
| 07... | 1726 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 07... | 1730 | -- | 9.0 | 81 | 750 | 4 | 2.8 | 1.3 | -- | 110 | 0 |
| MAY | | | | | | | | | | | |
| 22... | 1645 | 1.80 | -- | -- | 745 | -- | -- | -- | 53 | -- | -- |
| 22... | 1646 | -- | -- | -- | 745 | -- | -- | -- | -- | -- | -- |
| 22... | 1650 | -- | 10.0 | 96 | 745 | 5 | 2.1 | 1.1 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 0845 | 2.40 | -- | -- | 750 | -- | -- | -- | 69 | -- | -- |
| 15... | 0846 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 15... | 0850 | -- | 7.6 | 77 | 750 | 3 | 1.3 | 1.7 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1730 | 0 | 32 | 80 | 6.8 | 141 | 7.0 | 7.4 | .200 | .130 |
| MAY | | | | | | | | | | |
| 22... | 1650 | -- | -- | -- | -- | 110 | -- | -- | .600 | .030 |
| AUG | | | | | | | | | | |
| 15... | 0850 | -- | -- | -- | -- | 110 | -- | -- | .700 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO--CONTINUED

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 07... | 1726 | -- | -- | -- | -- | -- | -- | -- | 1.90 | <.100 |
| 07... | 1730 | 3.8 | 3.9 | 4.1 | .020 | .010 | 540 | 180 | -- | -- |
| MAY | | | | | | | | | | |
| 22... | 1646 | -- | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 22... | 1650 | .27 | .30 | .90 | .010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 15... | 0846 | -- | -- | -- | -- | -- | -- | -- | 3.00 | <.100 |
| 15... | 0850 | -- | -- | -- | .020 | <.010 | -- | -- | -- | -- |

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE (LAT 36 30 05 LONG 093 03 26)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 0835 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 3.0 | -- |
| 08... | 0836 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- |
| 08... | 0840 | 9 | 80513 | 80010 | 4.00 | 20.0 | 280 | 7.8 | -- | 11.0 |
| 08... | 0845 | 9 | 80513 | 80010 | 16.0 | 20.0 | 310 | 7.9 | -- | 11.0 |
| MAY | | | | | | | | | | |
| 23... | 0805 | 9 | 80513 | 80513 | .00 | 22.0 | -- | -- | 15.0 | -- |
| 23... | 0806 | 9 | 80513 | 80010 | 3.00 | 22.0 | -- | -- | -- | -- |
| 23... | 0810 | 9 | 80513 | 80010 | 11.0 | 22.0 | 230 | 8.6 | -- | 20.5 |
| AUG | | | | | | | | | | |
| 15... | 1005 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 24.5 | -- |
| 15... | 1006 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- |
| 15... | 1010 | 9 | 80513 | 80010 | 10.0 | 20.0 | 215 | 8.5 | -- | 27.0 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 0835 | 39.6 | 1.00 | -- | -- | 749 | -- | -- | -- | 2 |
| 08... | 0836 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 08... | 0840 | -- | -- | 8.8 | 81 | 749 | 6 | 4.9 | -- | -- |
| 08... | 0845 | -- | -- | 8.7 | 80 | 749 | 5 | 3.9 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 0805 | 102 | 2.60 | -- | -- | 753 | -- | -- | -- | 1 |
| 23... | 0806 | -- | -- | -- | -- | 753 | -- | -- | -- | -- |
| 23... | 0810 | -- | -- | 12.4 | 140 | 753 | 5 | <1.0 | .9 | -- |
| AUG | | | | | | | | | | |
| 15... | 1005 | 61.2 | 1.60 | -- | -- | 750 | -- | -- | -- | 1 |
| 15... | 1006 | -- | -- | -- | -- | 750 | -- | -- | -- | -- |
| 15... | 1010 | -- | -- | 7.6 | 97 | 750 | 2 | 4.8 | 1.7 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 0840 | 120 | 0 | 0 | 33 | 82 | 10 | 170 | 6.0 | -- |
| 08... | 0845 | 130 | 0 | 0 | 35 | 88 | 10 | 150 | 6.0 | -- |
| MAY | | | | | | | | | | |
| 23... | 0810 | -- | -- | -- | -- | -- | -- | 130 | -- | .300 |
| AUG | | | | | | | | | | |
| 15... | 1010 | -- | -- | -- | -- | -- | -- | 103 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 08... | 0836 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| MAY | | | | | | | | | |
| 23... | 0806 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 23... | 0810 | .050 | .15 | .20 | .50 | .060 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1006 | -- | -- | -- | -- | -- | -- | 5.80 | <.100 |
| 15... | 1010 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO
(LAT 36 34 40 LONG 092 38 47)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1420 | 9 | 80513 | 80513 | .00 | 25.0 | -- | -- | 11.5 | -- |
| 08... | 1421 | 9 | 80513 | 80010 | 3.00 | 25.0 | -- | -- | -- | -- |
| 08... | 1425 | 9 | 80513 | 80010 | 5.00 | 25.0 | 300 | 7.6 | -- | 9.0 |
| 08... | 1430 | 9 | 80513 | 80010 | 20.0 | 25.0 | 335 | 7.8 | -- | 8.0 |
| MAY | | | | | | | | | | |
| 23... | 1405 | 9 | 80513 | 80513 | .00 | 30.0 | -- | -- | 23.5 | -- |
| 23... | 1406 | 9 | 80513 | 80010 | 3.00 | 30.0 | -- | -- | -- | -- |
| 23... | 1410 | 9 | 80513 | 80010 | 15.0 | 30.0 | 380 | 8.5 | -- | 21.0 |
| AUG | | | | | | | | | | |
| 15... | 1600 | 9 | 80513 | 80513 | .00 | 28.0 | -- | -- | 32.5 | -- |
| 15... | 1601 | 9 | 80513 | 80010 | 3.00 | 28.0 | -- | -- | -- | -- |
| 15... | 1605 | 9 | 80513 | 80010 | 14.0 | 28.0 | -- | -- | -- | -- |

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1420 | 54.0 | 1.40 | -- | -- | 750 | -- | -- | -- | 67 |
| 08... | 1421 | -- | -- | -- | -- | 750 | -- | -- | -- | -- |
| 08... | 1425 | -- | -- | 11.3 | 99 | 750 | 5 | 5.8 | -- | -- |
| 08... | 1430 | -- | -- | 11.2 | 96 | 750 | 4 | 7.9 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1405 | 61.2 | 1.60 | -- | -- | 752 | -- | -- | -- | 1 |
| 23... | 1406 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 23... | 1410 | -- | -- | 11.7 | 133 | 752 | 5 | 1.0 | 1.0 | -- |
| AUG | | | | | | | | | | |
| 15... | 1600 | 91.2 | 2.30 | -- | -- | 749 | -- | -- | -- | 0 |
| 15... | 1601 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 15... | 1605 | -- | -- | -- | -- | 749 | -- | -- | 1.6 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1425 | 150 | 0 | 0 | 32 | 80 | 16 | 150 | 6.0 | -- |
| 08... | 1430 | 140 | 0 | 0 | 33 | 82 | 15 | 170 | 7.0 | -- |
| MAY | | | | | | | | | | |
| 23... | 1410 | -- | -- | -- | -- | -- | -- | 190 | -- | .300 |
| AUG | | | | | | | | | | |
| 15... | 1605 | -- | -- | -- | -- | -- | -- | 143 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 08... | 1421 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| MAY | | | | | | | | | |
| 23... | 1406 | -- | -- | -- | -- | -- | -- | .200 | <.100 |
| 23... | 1410 | .030 | 1.3 | 1.3 | 1.6 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1601 | -- | -- | -- | -- | -- | -- | 3.20 | <.100 |
| 15... | 1605 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, AR
(LAT 36 29 25 LONG 092 47 15)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1305 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 11.0 | -- | 73.2 |
| 08... | 1306 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1306 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- | -- |
| 08... | 1310 | 9 | 80513 | 80010 | 28.0 | 140 | 245 | 8.0 | -- | 11.0 | -- |
| 08... | 1315 | 9 | 80513 | 80010 | 112 | 140 | 245 | 8.0 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 23... | 1235 | 9 | 80513 | 80513 | .00 | 145 | -- | -- | 23.0 | -- | 133 |
| 23... | 1236 | 9 | 80513 | 80010 | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1236 | 9 | 80513 | 80010 | 3.00 | 145 | -- | -- | -- | -- | -- |
| 23... | 1240 | 9 | 80513 | 80010 | 29.0 | 145 | 255 | 8.0 | -- | 14.5 | -- |
| 23... | 1245 | 9 | 80513 | 80010 | 116 | 145 | 245 | 7.7 | -- | 8.5 | -- |
| AUG | | | | | | | | | | | |
| 15... | 1500 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 34.0 | -- | 185 |
| 15... | 1501 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- | -- |
| 15... | 1505 | 9 | 80513 | 80010 | 28.0 | 140 | 240 | 8.5 | -- | 22.5 | -- |
| 15... | 1510 | 9 | 80513 | 80010 | 112 | 140 | 255 | 7.9 | -- | 11.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1305 | 1.90 | -- | -- | 750 | -- | -- | -- | 0 | -- | -- |
| 08... | 1306 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 08... | 1306 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 08... | 1310 | -- | 9.9 | 91 | 750 | 3 | 2.0 | 1.2 | -- | 110 | 0 |
| 08... | 1315 | -- | 9.7 | 89 | 750 | 2 | 2.5 | 1.0 | -- | 130 | 5 |
| MAY | | | | | | | | | | | |
| 23... | 1235 | 3.4 | -- | -- | 753 | -- | -- | -- | 3 | -- | -- |
| 23... | 1236 | -- | -- | -- | 753 | -- | -- | -- | -- | -- | -- |
| 23... | 1236 | -- | -- | -- | 753 | -- | -- | -- | -- | -- | -- |
| 23... | 1240 | -- | 10.7 | 106 | 753 | <1 | <1.0 | 1.2 | -- | -- | -- |
| 23... | 1245 | -- | 7.0 | 61 | 753 | -- | <1.0 | .5 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 1500 | 4.7 | -- | -- | 750 | -- | -- | -- | 0 | -- | -- |
| 15... | 1501 | -- | -- | -- | 750 | -- | -- | -- | -- | -- | -- |
| 15... | 1505 | -- | 11.6 | 136 | 750 | 2 | .30 | 1.5 | -- | -- | -- |
| 15... | 1510 | -- | .1 | 0 | 750 | 2 | 1.5 | .4 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1310 | 0 | 29 | 72 | 9.7 | 120 | 7.0 | 9.0 | .200 | .090 |
| 08... | 1315 | 5 | 32 | 80 | 11 | 120 | 6.0 | 7.2 | .200 | .080 |
| MAY | | | | | | | | | | |
| 23... | 1240 | -- | -- | -- | -- | 120 | -- | -- | .100 | .080 |
| 23... | 1245 | -- | -- | -- | -- | 120 | -- | -- | .200 | .040 |
| AUG | | | | | | | | | | |
| 15... | 1505 | -- | -- | -- | -- | 114 | -- | -- | <.100 | -- |
| 15... | 1510 | -- | -- | -- | -- | 125 | -- | -- | .400 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, AR--CONTINUED

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1306 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 08... | 1310 | -- | <.10 | -- | .030 | <.010 | 170 | 30 | -- | -- |
| 08... | 1315 | .02 | .10 | .30 | .030 | <.010 | 160 | 30 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1236 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 23... | 1240 | .32 | .40 | .50 | <.010 | <.010 | -- | -- | -- | -- |
| 23... | 1245 | 1.2 | 1.2 | 1.4 | <.010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 15... | 1501 | -- | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 15... | 1505 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 15... | 1510 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1145 | 9 | 80513 | 80513 | .00 | 70.0 | 255 | 7.7 | 11.0 | 11.5 | 119 |
| 08... | 1146 | 9 | 80513 | 80010 | 3.00 | 70.0 | -- | -- | -- | -- | -- |
| 08... | 1148 | 9 | 80513 | 80513 | 10.0 | 70.0 | 255 | 7.8 | -- | 11.5 | -- |
| 08... | 1150 | 9 | 80513 | 80010 | 14.0 | 70.0 | 255 | 7.8 | -- | 11.5 | -- |
| 08... | 1152 | 9 | 80513 | 80513 | 20.0 | 70.0 | 255 | 7.8 | -- | 11.5 | -- |
| 08... | 1154 | 9 | 80513 | 80513 | 30.0 | 70.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1156 | 9 | 80513 | 80513 | 40.0 | 70.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1158 | 9 | 80513 | 80513 | 50.0 | 70.0 | 250 | 7.9 | -- | 11.5 | -- |
| 08... | 1200 | 9 | 80513 | 80010 | 56.0 | 70.0 | 250 | 8.0 | -- | 11.5 | -- |
| 08... | 1203 | 9 | 80513 | 80513 | 60.0 | 70.0 | 255 | 8.0 | -- | 11.5 | -- |
| 08... | 1205 | 9 | 80513 | 80513 | 70.0 | 70.0 | 255 | 8.0 | -- | 11.5 | -- |
| MAY | | | | | | | | | | | |
| 23... | 1030 | 9 | 80513 | 80513 | .00 | 82.0 | 260 | 7.9 | 22.5 | 21.5 | 115 |
| 23... | 1031 | 9 | 80513 | 80010 | 3.00 | 82.0 | -- | -- | -- | -- | -- |
| 23... | 1032 | 9 | 80513 | 80513 | 10.0 | 82.0 | 260 | 8.0 | -- | 21.5 | -- |
| 23... | 1034 | 9 | 80513 | 80513 | 13.0 | 82.0 | 260 | 8.4 | -- | 20.5 | -- |
| 23... | 1036 | 9 | 80513 | 80513 | 15.0 | 82.0 | 260 | 8.4 | -- | 19.0 | -- |
| 23... | 1040 | 9 | 80513 | 80010 | 16.0 | 82.0 | 255 | 8.3 | -- | 18.0 | -- |
| 23... | 1042 | 9 | 80513 | 80513 | 20.0 | 82.0 | 255 | 8.3 | -- | 16.0 | -- |
| 23... | 1044 | 9 | 80513 | 80513 | 25.0 | 82.0 | 255 | 8.3 | -- | 15.0 | -- |
| 23... | 1046 | 9 | 80513 | 80513 | 30.0 | 82.0 | 255 | 8.3 | -- | 14.5 | -- |
| 23... | 1048 | 9 | 80513 | 80513 | 40.0 | 82.0 | 255 | 8.2 | -- | 13.5 | -- |
| 23... | 1050 | 9 | 80513 | 80513 | 50.0 | 82.0 | 255 | 8.1 | -- | 12.5 | -- |
| 23... | 1052 | 9 | 80513 | 80513 | 60.0 | 82.0 | 260 | 8.0 | -- | 12.0 | -- |
| 23... | 1055 | 9 | 80513 | 80010 | 66.0 | 82.0 | 260 | 7.9 | -- | 11.5 | -- |
| 23... | 1056 | 9 | 80513 | 80513 | 70.0 | 82.0 | 260 | 7.8 | -- | 11.5 | -- |
| 23... | 1058 | 9 | 80513 | 80513 | 80.0 | 82.0 | 265 | 7.8 | -- | 11.0 | -- |
| 23... | 1100 | 9 | 80513 | 80513 | 82.0 | 82.0 | 265 | 7.6 | -- | 10.5 | -- |
| AUG | | | | | | | | | | | |
| 15... | 1240 | 9 | 80513 | 80513 | .00 | 81.0 | 230 | 8.8 | 29.5 | 27.5 | 170 |
| 15... | 1241 | 9 | 80513 | 80010 | 3.00 | 81.0 | -- | -- | -- | -- | -- |
| 15... | 1242 | 9 | 80513 | 80513 | 10.0 | 81.0 | 240 | 8.7 | -- | 27.0 | -- |
| 15... | 1245 | 9 | 80513 | 80010 | 16.0 | 81.0 | 240 | 8.7 | -- | 27.0 | -- |
| 15... | 1246 | 9 | 80513 | 80513 | 20.0 | 81.0 | 240 | 8.7 | -- | 27.0 | -- |
| 15... | 1248 | 9 | 80513 | 80513 | 22.0 | 81.0 | 240 | 8.6 | -- | 25.0 | -- |
| 15... | 1250 | 9 | 80513 | 80513 | 24.0 | 81.0 | 245 | 8.5 | -- | 24.0 | -- |
| 15... | 1252 | 9 | 80513 | 80513 | 26.0 | 81.0 | 250 | 8.5 | -- | 23.0 | -- |
| 15... | 1254 | 9 | 80513 | 80513 | 28.0 | 81.0 | 255 | 8.1 | -- | 21.0 | -- |
| 15... | 1256 | 9 | 80513 | 80513 | 30.0 | 81.0 | 260 | 8.0 | -- | 20.0 | -- |
| 15... | 1258 | 9 | 80513 | 80513 | 33.0 | 81.0 | 260 | 8.0 | -- | 18.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1145 | 3.00 | 9.5 | 88 | 752 | -- | -- | -- | -- | 0 | -- |
| 08... | 1146 | -- | -- | -- | 752 | -- | -- | -- | -- | -- | -- |
| 08... | 1148 | -- | 9.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1150 | -- | 9.1 | 85 | 752 | -- | -- | 50 | 1.3 | -- | -- |
| 08... | 1152 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1154 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1156 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1158 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1200 | -- | 8.9 | 83 | 752 | -- | -- | 32 | 1.1 | -- | -- |
| 08... | 1203 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1205 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 23... | 1030 | 2.90 | 9.8 | 112 | 753 | -- | -- | -- | -- | 0 | -- |
| 23... | 1031 | -- | -- | -- | 753 | -- | -- | -- | -- | -- | -- |
| 23... | 1032 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1034 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1036 | -- | 11.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1040 | -- | 11.3 | 121 | 753 | -- | -- | <10 | 1.0 | -- | 130 |
| 23... | 1042 | -- | 10.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1044 | -- | 9.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1046 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1048 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1050 | -- | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1052 | -- | 6.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1055 | -- | 4.5 | 42 | 753 | -- | 1.5 | <10 | .9 | -- | 130 |
| 23... | 1056 | -- | 3.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1058 | -- | .8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1100 | -- | .2 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 1240 | 4.3 | 8.2 | 106 | 751 | -- | -- | -- | -- | 49 | -- |
| 15... | 1241 | -- | -- | -- | 751 | -- | -- | -- | -- | -- | -- |
| 15... | 1242 | -- | 7.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1245 | -- | 7.0 | 89 | 751 | 2 | 1.0 | <10 | 1.5 | -- | 114 |
| 15... | 1246 | -- | 6.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1248 | -- | 6.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1250 | -- | 6.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1252 | -- | 6.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1254 | -- | 5.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1256 | -- | 4.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1258 | -- | 3.3 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1146 | -- | -- | -- | -- | -- | -- | -- | 1.70 | <.100 |
| MAY | | | | | | | | | | |
| 23... | 1031 | -- | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 23... | 1040 | .200 | .100 | .50 | .60 | .80 | .070 | <.010 | -- | -- |
| 23... | 1055 | .300 | .180 | .52 | .70 | 1.0 | .020 | .010 | -- | -- |
| AUG | | | | | | | | | | |
| 15... | 1241 | -- | -- | -- | -- | -- | -- | -- | 1.00 | <.100 |
| 15... | 1245 | <.100 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)--CONTINUED

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | | |
| 15... | 1300 | 9 | 80513 | 80513 | 37.0 | 81.0 | 265 | 7.9 | 17.5 | 2.7 | -- |
| 15... | 1302 | 9 | 80513 | 80513 | 40.0 | 81.0 | 265 | 7.9 | 17.0 | 1.1 | -- |
| 15... | 1304 | 9 | 80513 | 80513 | 50.0 | 81.0 | 265 | 7.8 | 15.5 | .1 | -- |
| 15... | 1306 | 9 | 80513 | 80513 | 60.0 | 81.0 | 270 | 7.7 | 14.5 | .1 | -- |
| 15... | 1310 | 9 | 80513 | 80010 | 65.0 | 81.0 | 270 | 7.6 | 14.0 | .1 | 0 |
| 15... | 1312 | 9 | 80513 | 80513 | 70.0 | 81.0 | 275 | 7.6 | 13.5 | .1 | -- |
| 15... | 1314 | 9 | 80513 | 80513 | 80.0 | 81.0 | 295 | 7.5 | 12.5 | .1 | -- |
| 15... | 1315 | 9 | 80513 | 80513 | 81.0 | 81.0 | 300 | 7.5 | 12.5 | .1 | -- |

| DATE | TIME | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 15... | 1310 | 751 | 2 | 1.0 | 11 | 1.5 | 132 | <.100 | .110 | .080 |

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1205 | 9 | 80513 | 80513 | .00 | 77.0 | 255 | 7.9 | 11.0 | 11.5 | 114 |
| 08... | 1206 | 9 | 80513 | 80010 | 3.00 | 77.0 | -- | -- | -- | -- | -- |
| 08... | 1208 | 9 | 80513 | 80513 | 10.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1210 | 9 | 80513 | 80010 | 15.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1212 | 9 | 80513 | 80513 | 20.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1214 | 9 | 80513 | 80513 | 30.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1216 | 9 | 80513 | 80513 | 40.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1218 | 9 | 80513 | 80513 | 50.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1219 | 9 | 80513 | 80513 | 60.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1220 | 9 | 80513 | 80010 | 62.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1223 | 9 | 80513 | 80513 | 70.0 | 77.0 | 255 | 7.9 | -- | 11.5 | -- |
| 08... | 1225 | 9 | 80513 | 80513 | 77.0 | 77.0 | 255 | 7.9 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 23... | 1110 | 9 | 80513 | 80513 | .00 | 80.0 | 260 | 8.6 | 22.5 | 21.5 | 116 |
| 23... | 1111 | 9 | 80513 | 80010 | 3.00 | 80.0 | -- | -- | -- | -- | -- |
| 23... | 1112 | 9 | 80513 | 80513 | 10.0 | 80.0 | 260 | 8.6 | -- | 21.5 | -- |
| 23... | 1114 | 9 | 80513 | 80513 | 13.0 | 80.0 | 260 | 8.6 | -- | 20.5 | -- |
| 23... | 1116 | 9 | 80513 | 80513 | 14.0 | 80.0 | 260 | 8.7 | -- | 19.5 | -- |
| 23... | 1120 | 9 | 80513 | 80010 | 20.0 | 80.0 | 255 | 8.6 | -- | 16.0 | -- |
| 23... | 1122 | 9 | 80513 | 80513 | 18.0 | 80.0 | 255 | 8.6 | -- | 16.5 | -- |
| 23... | 1126 | 9 | 80513 | 80513 | 25.0 | 80.0 | 255 | 8.4 | -- | 15.0 | -- |
| 23... | 1128 | 9 | 80513 | 80513 | 30.0 | 80.0 | 255 | 8.4 | -- | 14.5 | -- |
| 23... | 1130 | 9 | 80513 | 80513 | 40.0 | 80.0 | 255 | 8.3 | -- | 13.5 | -- |
| 23... | 1132 | 9 | 80513 | 80513 | 50.0 | 80.0 | 255 | 8.2 | -- | 12.5 | -- |
| 23... | 1134 | 9 | 80513 | 80513 | 60.0 | 80.0 | 255 | 8.0 | -- | 12.0 | -- |
| 23... | 1135 | 9 | 80513 | 80010 | 64.0 | 80.0 | 260 | 7.9 | -- | 11.5 | -- |
| 23... | 1138 | 9 | 80513 | 80513 | 70.0 | 80.0 | 260 | 7.8 | -- | 11.0 | -- |
| 23... | 1140 | 9 | 80513 | 80513 | 80.0 | 80.0 | 260 | 7.7 | -- | 10.5 | -- |
| AUG | | | | | | | | | | | |
| 15... | 1320 | 9 | 80513 | 80513 | .00 | 85.0 | 235 | 8.7 | 30.0 | 27.5 | 173 |
| 15... | 1321 | 9 | 80513 | 80010 | 3.00 | 85.0 | -- | -- | -- | -- | -- |
| 15... | 1322 | 9 | 80513 | 80513 | 10.0 | 85.0 | 235 | 8.8 | -- | 27.0 | -- |
| 15... | 1325 | 9 | 80513 | 80010 | 17.0 | 85.0 | 240 | 8.4 | -- | 27.0 | -- |
| 15... | 1326 | 9 | 80513 | 80513 | 20.0 | 85.0 | 240 | 8.7 | -- | 27.0 | -- |
| 15... | 1328 | 9 | 80513 | 80513 | 22.0 | 85.0 | 245 | 8.6 | -- | 26.0 | -- |
| 15... | 1330 | 9 | 80513 | 80513 | 25.0 | 85.0 | 245 | 8.4 | -- | 24.5 | -- |
| 15... | 1332 | 9 | 80513 | 80513 | 27.0 | 85.0 | 250 | 8.3 | -- | 23.0 | -- |
| 15... | 1334 | 9 | 80513 | 80513 | 30.0 | 85.0 | 255 | 8.1 | -- | 20.0 | -- |
| 15... | 1336 | 9 | 80513 | 80513 | 35.0 | 85.0 | 260 | 7.9 | -- | 18.5 | -- |
| 15... | 1338 | 9 | 80513 | 80513 | 40.0 | 85.0 | 265 | 7.8 | -- | 17.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 08... | 1205 | 2.90 | 9.2 | 86 | 752 | -- | -- | -- | 1 | -- | -- |
| 08... | 1206 | -- | -- | -- | 752 | -- | -- | -- | -- | -- | -- |
| 08... | 1208 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1210 | -- | 8.9 | 83 | 752 | 2 | 1.2 | 1.2 | -- | 110 | 0 |
| 08... | 1212 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1214 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1216 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1218 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1219 | -- | 8.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1220 | -- | 8.9 | 83 | 752 | 2 | 2.9 | 1.0 | -- | 110 | 0 |
| 08... | 1223 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 08... | 1225 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 23... | 1110 | 3.00 | 9.8 | 112 | 753 | -- | -- | -- | 1 | -- | -- |
| 23... | 1111 | -- | -- | -- | 753 | -- | -- | -- | -- | -- | -- |
| 23... | 1112 | -- | 9.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1114 | -- | 10.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1116 | -- | 10.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1120 | -- | 11.0 | 113 | 753 | 5 | <1.0 | .9 | -- | -- | -- |
| 23... | 1122 | -- | 11.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1126 | -- | 9.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1128 | -- | 9.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1130 | -- | 8.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1132 | -- | 7.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1134 | -- | 6.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1135 | -- | 6.4 | 59 | 753 | -- | <1.0 | .9 | -- | -- | -- |
| 23... | 1138 | -- | 3.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| 23... | 1140 | -- | .9 | -- | -- | -- | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 15... | 1320 | 4.4 | 8.4 | 108 | 751 | -- | -- | -- | -- | -- | -- |
| 15... | 1321 | -- | -- | -- | 751 | -- | -- | -- | -- | -- | -- |
| 15... | 1322 | -- | 8.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1325 | -- | 7.9 | 101 | 751 | 1 | 1.0 | 2.2 | -- | -- | -- |
| 15... | 1326 | -- | 7.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1328 | -- | 7.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1330 | -- | 6.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1332 | -- | 5.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1334 | -- | 4.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1336 | -- | 2.1 | -- | -- | -- | -- | -- | -- | -- | -- |
| 15... | 1338 | -- | .3 | -- | -- | -- | -- | -- | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1210 | 0 | 30 | 75 | 9.5 | 120 | 6.0 | 7.0 | .200 | .110 |
| 08... | 1220 | 0 | 29 | 72 | 9.4 | 120 | 6.0 | 7.0 | .200 | .090 |
| MAY | | | | | | | | | | |
| 23... | 1120 | -- | -- | -- | -- | 130 | -- | -- | .200 | .070 |
| 23... | 1135 | -- | -- | -- | -- | 130 | -- | -- | .300 | .210 |
| AUG | | | | | | | | | | |
| 15... | 1325 | -- | -- | -- | -- | 114 | -- | -- | <.100 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1206 | -- | -- | -- | -- | -- | -- | -- | 1.90 | <.100 |
| 08... | 1210 | -- | <.10 | -- | .060 | <.010 | 120 | 40 | -- | -- |
| 08... | 1220 | -- | <.10 | -- | .030 | .010 | 220 | 80 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1111 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 23... | 1120 | .53 | .60 | .80 | <.010 | <.010 | -- | -- | -- | -- |
| 23... | 1135 | .79 | 1.0 | 1.3 | .130 | .050 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 15... | 1321 | -- | -- | -- | -- | -- | -- | -- | .900 | <.100 |
| 15... | 1325 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 15... | 1340 | 9 | 80513 | 80513 | 45.0 | 85.0 | 265 | 7.8 | 16.0 | .2 |
| 15... | 1342 | 9 | 80513 | 80513 | 50.0 | 85.0 | 265 | 7.8 | 15.5 | .1 |
| 15... | 1344 | 9 | 80513 | 80513 | 60.0 | 85.0 | 270 | 7.7 | 14.0 | .1 |
| 15... | 1350 | 9 | 80513 | 80010 | 68.0 | 85.0 | 275 | 7.6 | 13.5 | .1 |
| 15... | 1352 | 9 | 80513 | 80513 | 70.0 | 85.0 | 275 | 7.6 | 13.5 | .1 |
| 15... | 1354 | 9 | 80513 | 80513 | 80.0 | 85.0 | 290 | 7.3 | 13.0 | .1 |
| 15... | 1355 | 9 | 80513 | 80513 | 85.0 | 85.0 | 295 | 7.3 | 12.5 | .1 |

| DATE | TIME | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG | | | | | | | | | | |
| 15... | 1350 | 0 | 751 | 2 | 1.4 | 2.9 | 136 | <.100 | .110 | .110 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY AR, (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1225 | 9 | 80513 | 80513 | .00 | 140 | 255 | 7.9 | 11.0 | 11.5 |
| 08... | 1226 | 9 | 80513 | 80010 | 3.00 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1228 | 9 | 80513 | 80513 | 20.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1230 | 9 | 80513 | 80010 | 28.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1232 | 9 | 80513 | 80513 | 30.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1234 | 9 | 80513 | 80513 | 40.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1236 | 9 | 80513 | 80513 | 50.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1238 | 9 | 80513 | 80513 | 60.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1240 | 9 | 80513 | 80513 | 70.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1242 | 9 | 80513 | 80513 | 80.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1244 | 9 | 80513 | 80513 | 90.0 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1246 | 9 | 80513 | 80513 | 100 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1248 | 9 | 80513 | 80513 | 110 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1250 | 9 | 80513 | 80010 | 112 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1252 | 9 | 80513 | 80513 | 120 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1254 | 9 | 80513 | 80513 | 130 | 140 | 255 | 7.9 | -- | 11.5 |
| 08... | 1255 | 9 | 80513 | 80513 | 140 | 140 | 255 | 7.9 | -- | 11.5 |
| MAY | | | | | | | | | | |
| 23... | 1150 | 9 | 80513 | 80513 | .00 | 145 | 260 | 8.6 | 22.5 | 21.5 |
| 23... | 1151 | 9 | 80513 | 80010 | 3.00 | 145 | -- | -- | -- | -- |
| 23... | 1152 | 9 | 80513 | 80513 | 10.0 | 145 | 260 | 8.6 | -- | 21.0 |
| 23... | 1154 | 9 | 80513 | 80513 | 13.0 | 145 | 260 | 8.6 | -- | 20.0 |
| 23... | 1156 | 9 | 80513 | 80513 | 14.0 | 145 | 260 | 8.7 | -- | 19.0 |
| 23... | 1157 | 9 | 80513 | 80513 | 15.0 | 145 | 260 | 8.7 | -- | 18.0 |
| 23... | 1158 | 9 | 80513 | 80513 | 17.0 | 145 | 255 | 8.6 | -- | 17.0 |
| 23... | 1159 | 9 | 80513 | 80513 | 20.0 | 145 | 250 | 8.6 | -- | 16.0 |
| 23... | 1200 | 9 | 80513 | 80010 | 29.0 | 145 | 250 | 8.6 | -- | 15.0 |
| 23... | 1202 | 9 | 80513 | 80513 | 30.0 | 145 | 250 | 8.6 | -- | 14.5 |
| 23... | 1204 | 9 | 80513 | 80513 | 40.0 | 145 | 250 | 8.4 | -- | 13.0 |
| 23... | 1206 | 9 | 80513 | 80513 | 50.0 | 145 | 255 | 8.3 | -- | 12.0 |
| 23... | 1208 | 9 | 80513 | 80513 | 60.0 | 145 | 255 | 8.3 | -- | 11.5 |
| 23... | 1210 | 9 | 80513 | 80513 | 70.0 | 145 | 255 | 8.2 | -- | 11.0 |
| 23... | 1212 | 9 | 80513 | 80513 | 80.0 | 145 | 255 | 8.1 | -- | 10.5 |
| 23... | 1214 | 9 | 80513 | 80513 | 90.0 | 145 | 255 | 8.0 | -- | 10.0 |
| 23... | 1216 | 9 | 80513 | 80513 | 100 | 145 | 255 | 8.0 | -- | 9.0 |
| 23... | 1218 | 9 | 80513 | 80513 | 110 | 145 | 255 | 7.9 | -- | 8.5 |
| 23... | 1220 | 9 | 80513 | 80010 | 116 | 145 | 255 | 7.8 | -- | 8.0 |
| 23... | 1222 | 9 | 80513 | 80513 | 120 | 145 | 255 | 7.8 | -- | 7.5 |
| 23... | 1224 | 9 | 80513 | 80513 | 130 | 145 | 255 | 7.8 | -- | 7.0 |
| 23... | 1226 | 9 | 80513 | 80513 | 140 | 145 | 255 | 7.7 | -- | 7.0 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKALINITY FIELD (MG/L AS CACO3) (00410) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1225 | 122 | 3.1 | 8.8 | 82 | 752 | -- | -- | 0 | -- |
| 08... | 1226 | -- | -- | 8.6 | 80 | 752 | -- | -- | -- | -- |
| 08... | 1228 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 08... | 1230 | -- | -- | 8.5 | 79 | 752 | 33 | 1.6 | -- | -- |
| 08... | 1232 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 08... | 1234 | -- | -- | 8.5 | -- | -- | -- | -- | -- | -- |
| 08... | 1236 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 08... | 1238 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 08... | 1240 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 08... | 1242 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 08... | 1244 | -- | -- | 8.7 | -- | -- | -- | -- | -- | -- |
| 08... | 1246 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1248 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 08... | 1250 | -- | -- | 9.0 | 84 | 752 | 33 | .4 | -- | -- |
| 08... | 1252 | -- | -- | 9.1 | -- | -- | -- | -- | -- | -- |
| 08... | 1254 | -- | -- | 9.0 | -- | -- | -- | -- | -- | -- |
| 08... | 1255 | -- | -- | 9.0 | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1150 | 163 | 4.2 | 9.8 | 112 | 753 | -- | -- | 0 | -- |
| 23... | 1151 | -- | -- | -- | -- | 753 | -- | -- | -- | -- |
| 23... | 1152 | -- | -- | 10.1 | -- | -- | -- | -- | -- | -- |
| 23... | 1154 | -- | -- | 10.2 | -- | -- | -- | -- | -- | -- |
| 23... | 1156 | -- | -- | 10.8 | -- | -- | -- | -- | -- | -- |
| 23... | 1157 | -- | -- | 11.0 | -- | -- | -- | -- | -- | -- |
| 23... | 1158 | -- | -- | 11.5 | -- | -- | -- | -- | -- | -- |
| 23... | 1159 | -- | -- | 11.3 | -- | -- | -- | -- | -- | -- |
| 23... | 1200 | -- | -- | 10.9 | 109 | 753 | 16 | .9 | -- | 120 |
| 23... | 1202 | -- | -- | 10.0 | -- | -- | -- | -- | -- | -- |
| 23... | 1204 | -- | -- | 9.2 | -- | -- | -- | -- | -- | -- |
| 23... | 1206 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 23... | 1208 | -- | -- | 8.9 | -- | -- | -- | -- | -- | -- |
| 23... | 1210 | -- | -- | 8.8 | -- | -- | -- | -- | -- | -- |
| 23... | 1212 | -- | -- | 8.6 | -- | -- | -- | -- | -- | -- |
| 23... | 1214 | -- | -- | 8.4 | -- | -- | -- | -- | -- | -- |
| 23... | 1216 | -- | -- | 8.0 | -- | -- | -- | -- | -- | -- |
| 23... | 1218 | -- | -- | 7.6 | -- | -- | -- | -- | -- | -- |
| 23... | 1220 | -- | -- | 7.1 | 61 | 753 | 19 | .7 | -- | 130 |
| 23... | 1222 | -- | -- | 6.4 | -- | -- | -- | -- | -- | -- |
| 23... | 1224 | -- | -- | 6.0 | -- | -- | -- | -- | -- | -- |
| 23... | 1226 | -- | -- | 6.0 | -- | -- | -- | -- | -- | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1226 | -- | -- | -- | -- | -- | -- | -- | 1.30 | <.100 |
| MAY | | | | | | | | | | |
| 23... | 1151 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 23... | 1200 | .300 | .170 | .23 | .40 | .70 | .010 | .010 | -- | -- |
| 23... | 1220 | .400 | .180 | .32 | .50 | .90 | .030 | .030 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | |
| 23... | 1230 | 9 | 80513 | 80513 | 145 | 145 | 260 | 7.7 | -- | 7.0 |
| AUG | | | | | | | | | | |
| 15... | 1400 | 9 | 80513 | 80513 | .00 | 140 | 245 | 8.8 | 31.5 | 28.0 |
| 15... | 1401 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- |
| 15... | 1402 | 9 | 80513 | 80513 | 10.0 | 140 | 245 | 8.8 | -- | 27.0 |
| 15... | 1404 | 9 | 80513 | 80513 | 20.0 | 140 | 240 | 8.8 | -- | 27.0 |
| 15... | 1406 | 9 | 80513 | 80513 | 22.0 | 140 | 240 | 8.8 | -- | 26.0 |
| 15... | 1407 | 9 | 80513 | 80513 | 24.0 | 140 | 240 | 8.7 | -- | 25.0 |
| 15... | 1408 | 9 | 80513 | 80513 | 25.0 | 140 | 240 | 8.7 | -- | 24.0 |
| 15... | 1409 | 9 | 80513 | 80513 | 27.0 | 140 | 245 | 8.7 | -- | 22.5 |
| 15... | 1410 | 9 | 80513 | 80010 | 28.0 | 140 | 245 | 8.4 | -- | 21.5 |
| 15... | 1412 | 9 | 80513 | 80513 | 30.0 | 140 | 255 | 8.4 | -- | 20.0 |
| 15... | 1414 | 9 | 80513 | 80513 | 33.0 | 140 | 260 | 8.2 | -- | 18.5 |
| 15... | 1415 | 9 | 80513 | 80513 | 37.0 | 140 | 265 | 8.1 | -- | 17.5 |
| 15... | 1416 | 9 | 80513 | 80513 | 40.0 | 140 | 265 | 8.1 | -- | 17.0 |
| 15... | 1417 | 9 | 80513 | 80513 | 45.0 | 140 | 265 | 8.1 | -- | 16.0 |
| 15... | 1418 | 9 | 80513 | 80513 | 50.0 | 140 | 265 | 8.0 | -- | 15.5 |
| 15... | 1419 | 9 | 80513 | 80513 | 60.0 | 140 | 265 | 7.9 | -- | 14.5 |
| 15... | 1420 | 9 | 80513 | 80513 | 70.0 | 140 | 260 | 7.9 | -- | 13.5 |
| 15... | 1421 | 9 | 80513 | 80513 | 80.0 | 140 | 260 | 7.9 | -- | 13.0 |
| 15... | 1422 | 9 | 80513 | 80513 | 90.0 | 140 | 265 | 7.8 | -- | 12.5 |
| 15... | 1423 | 9 | 80513 | 80513 | 100 | 140 | 265 | 7.8 | -- | 12.0 |
| 15... | 1424 | 9 | 80513 | 80513 | 110 | 140 | 265 | 7.7 | -- | 11.0 |
| 15... | 1425 | 9 | 80513 | 80010 | 112 | 140 | 265 | 7.7 | -- | 10.5 |
| 15... | 1426 | 9 | 80513 | 80513 | 120 | 140 | 265 | 7.7 | -- | 10.0 |
| 15... | 1428 | 9 | 80513 | 80513 | 130 | 140 | 270 | 7.7 | -- | 9.5 |
| 15... | 1430 | 9 | 80513 | 80513 | 140 | 140 | 270 | 7.7 | -- | 9.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340) |
|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | |
| 23... | 1230 | -- | -- | 5.9 | -- | -- | -- | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1400 | 190 | 4.8 | 8.2 | 107 | 751 | -- | -- | -- |
| 15... | 1401 | -- | -- | -- | -- | 751 | -- | -- | -- |
| 15... | 1402 | -- | -- | 8.6 | -- | -- | -- | -- | -- |
| 15... | 1404 | -- | -- | 8.4 | -- | -- | -- | -- | -- |
| 15... | 1406 | -- | -- | 9.0 | -- | -- | -- | -- | -- |
| 15... | 1407 | -- | -- | 11.1 | -- | -- | -- | -- | -- |
| 15... | 1408 | -- | -- | 12.2 | -- | -- | -- | -- | -- |
| 15... | 1409 | -- | -- | 12.3 | -- | -- | -- | -- | -- |
| 15... | 1410 | -- | -- | 12.0 | 138 | 751 | 2 | .40 | 33 |
| 15... | 1412 | -- | -- | 11.6 | -- | -- | -- | -- | -- |
| 15... | 1414 | -- | -- | 5.2 | -- | -- | -- | -- | -- |
| 15... | 1415 | -- | -- | 2.7 | -- | -- | -- | -- | -- |
| 15... | 1416 | -- | -- | 1.1 | -- | -- | -- | -- | -- |
| 15... | 1417 | -- | -- | 1.0 | -- | -- | -- | -- | -- |
| 15... | 1418 | -- | -- | 1.0 | -- | -- | -- | -- | -- |
| 15... | 1419 | -- | -- | .9 | -- | -- | -- | -- | -- |
| 15... | 1420 | -- | -- | 1.0 | -- | -- | -- | -- | -- |
| 15... | 1421 | -- | -- | 1.2 | -- | -- | -- | -- | -- |
| 15... | 1422 | -- | -- | 1.3 | -- | -- | -- | -- | -- |
| 15... | 1423 | -- | -- | 1.1 | -- | -- | -- | -- | -- |
| 15... | 1424 | -- | -- | .7 | -- | -- | -- | -- | -- |
| 15... | 1425 | -- | -- | .1 | 0 | 751 | -- | -- | <10 |
| 15... | 1426 | -- | -- | .1 | -- | -- | -- | -- | -- |
| 15... | 1428 | -- | -- | .1 | -- | -- | -- | -- | -- |
| 15... | 1430 | -- | -- | .0 | -- | -- | -- | -- | -- |

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

| DATE | TIME | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | 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... | 1400 | -- | 7 | -- | -- | -- | -- | -- | -- |
| 15... | 1401 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 15... | 1410 | 1.4 | -- | 114 | <.100 | <.010 | .010 | -- | -- |
| 15... | 1425 | 1.3 | -- | 132 | .300 | <.010 | <.010 | -- | -- |

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR
(LAT 36 28 30 LONG 092 37 44)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1440 | 9 | 80513 | 80513 | .00 | 150 | -- | -- | 12.0 | -- |
| 08... | 1441 | 9 | 80513 | 80010 | 3.00 | 150 | -- | -- | -- | -- |
| 08... | 1445 | 9 | 80513 | 80010 | 30.0 | 150 | 270 | 7.8 | -- | 11.5 |
| 08... | 1450 | 9 | 80513 | 80010 | 120 | 150 | 285 | 7.9 | -- | 11.0 |
| MAY | | | | | | | | | | |
| 23... | 1515 | 9 | 80513 | 80513 | .00 | 155 | -- | -- | 25.0 | -- |
| 23... | 1516 | 9 | 80513 | 80010 | 3.00 | 155 | -- | -- | -- | -- |
| 23... | 1520 | 9 | 80513 | 80010 | 31.0 | 155 | 260 | 8.1 | -- | 14.0 |
| 23... | 1525 | 9 | 80513 | 80010 | 124 | 155 | 275 | 7.7 | -- | 8.0 |
| AUG | | | | | | | | | | |
| 15... | 1630 | 9 | 80513 | 80513 | .00 | 155 | -- | -- | 32.5 | -- |
| 15... | 1631 | 9 | 80513 | 80010 | 3.00 | 155 | -- | -- | -- | -- |
| 15... | 1635 | 9 | 80513 | 80010 | 9.00 | 155 | 290 | 7.9 | -- | 10.5 |
| 15... | 1640 | 9 | 80513 | 80010 | 31.0 | 155 | 250 | 8.5 | -- | 20.0 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1440 | 119 | 3.00 | -- | -- | 750 | -- | -- | -- | 1 |
| 08... | 1441 | -- | -- | -- | -- | 750 | -- | -- | -- | -- |
| 08... | 1445 | -- | -- | 9.1 | 85 | 750 | 1 | 1.5 | -- | -- |
| 08... | 1450 | -- | -- | 8.6 | 79 | 750 | 3 | 2.8 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1515 | 218 | 5.6 | -- | -- | 752 | -- | -- | -- | 0 |
| 23... | 1516 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 23... | 1520 | -- | -- | 9.3 | 92 | 752 | 3 | <1.0 | 1.5 | -- |
| 23... | 1525 | -- | -- | 7.0 | 60 | 752 | 3 | <1.0 | .7 | -- |
| AUG | | | | | | | | | | |
| 15... | 1630 | 179 | 4.5 | -- | -- | 749 | -- | -- | -- | K3 |
| 15... | 1631 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 15... | 1635 | -- | -- | 1.1 | 10 | 749 | 2 | .50 | 1.2 | -- |
| 15... | 1640 | -- | -- | 9.5 | 106 | 749 | 3 | .40 | 1.3 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR--CONTINUED

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1445 | 120 | 0 | 0 | 32 | 80 | 9.9 | 130 | 7.0 | -- |
| 08... | 1450 | 120 | 0 | 0 | 29 | 72 | 11 | 140 | 7.0 | -- |
| MAY | | | | | | | | | | |
| 23... | 1520 | -- | -- | -- | -- | -- | -- | 140 | -- | .200 |
| 23... | 1525 | -- | -- | -- | -- | -- | -- | 140 | -- | .400 |
| AUG | | | | | | | | | | |
| 15... | 1635 | -- | -- | -- | -- | -- | -- | 150 | -- | <.400 |
| 15... | 1640 | -- | -- | -- | -- | -- | -- | 150 | -- | <.400 |

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 08... | 1441 | -- | -- | -- | -- | -- | -- | 1.90 | <.100 |
| MAY | | | | | | | | | |
| 23... | 1516 | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 23... | 1520 | .090 | .71 | .80 | 1.0 | <.010 | <.010 | -- | -- |
| 23... | 1525 | .110 | .69 | .80 | 1.2 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1631 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 15... | 1635 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 15... | 1640 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR
(LAT 36 23 00 LONG 092 36 58)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1515 | 9 | 80513 | 80513 | .00 | 130 | -- | -- | 12.0 | -- |
| 08... | 1516 | 9 | 80513 | 80010 | 3.00 | 130 | -- | -- | -- | -- |
| 08... | 1520 | 9 | 80513 | 80010 | 26.0 | 130 | 260 | 7.8 | -- | 11.5 |
| 08... | 1525 | 9 | 80513 | 80010 | 104 | 130 | 260 | 7.9 | -- | 11.5 |
| MAY | | | | | | | | | | |
| 23... | 1550 | 9 | 80513 | 80513 | .00 | 135 | -- | -- | 24.0 | -- |
| 23... | 1551 | 9 | 80513 | 80010 | 3.00 | 135 | -- | -- | -- | -- |
| 23... | 1555 | 9 | 80513 | 80010 | 27.0 | 135 | 255 | 8.5 | -- | 15.0 |
| 23... | 1600 | 9 | 80513 | 80010 | 108 | 135 | 255 | 7.7 | -- | 9.0 |
| AUG | | | | | | | | | | |
| 15... | 1705 | 9 | 80513 | 80513 | .00 | 135 | -- | -- | 31.5 | -- |
| 15... | 1706 | 9 | 80513 | 80010 | 3.00 | 135 | -- | -- | -- | -- |
| 15... | 1710 | 9 | 80513 | 80010 | 27.0 | 135 | 240 | 8.6 | -- | 21.5 |
| 15... | 1715 | 9 | 80513 | 80010 | 108 | 135 | 260 | 7.8 | -- | 10.0 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1515 | 170 | 4.3 | -- | -- | 750 | -- | -- | -- | 0 |
| 08... | 1516 | -- | -- | -- | -- | 750 | -- | -- | -- | -- |
| 08... | 1520 | -- | -- | 9.8 | 91 | 750 | 4 | 1.0 | -- | -- |
| 08... | 1525 | -- | -- | 9.4 | 88 | 750 | 3 | 1.3 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1550 | 179 | 4.5 | -- | -- | 752 | -- | -- | -- | 0 |
| 23... | 1551 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 23... | 1555 | -- | -- | 10.3 | 104 | 752 | 3 | <1.0 | 1.1 | -- |
| 23... | 1600 | -- | -- | 7.8 | 68 | 752 | 3 | <1.0 | .7 | -- |
| AUG | | | | | | | | | | |
| 15... | 1705 | 156 | 4.0 | -- | -- | 749 | -- | -- | -- | 0 |
| 15... | 1706 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 15... | 1710 | -- | -- | 12.6 | 145 | 749 | 2 | .40 | 1.0 | -- |
| 15... | 1715 | -- | -- | .6 | 5 | 749 | 2 | .40 | 1.1 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1520 | 120 | 0 | 0 | 32 | 80 | 9.7 | 120 | 7.0 | -- |
| 08... | 1525 | 110 | 0 | 0 | 28 | 70 | 9.5 | 120 | 7.5 | -- |
| MAY | | | | | | | | | | |
| 23... | 1555 | -- | -- | -- | -- | -- | -- | 130 | -- | .400 |
| 23... | 1600 | -- | -- | -- | -- | -- | -- | 130 | -- | .200 |
| AUG | | | | | | | | | | |
| 15... | 1710 | -- | -- | -- | -- | -- | -- | 118 | -- | <.100 |
| 15... | 1715 | -- | -- | -- | -- | -- | -- | 132 | -- | .300 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 08... | 1516 | -- | -- | -- | -- | -- | -- | 1.50 | <.100 |
| MAY | | | | | | | | | |
| 23... | 1551 | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| 23... | 1555 | .080 | .72 | .80 | 1.2 | <.010 | <.010 | -- | -- |
| 23... | 1600 | .070 | .33 | .40 | .60 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1706 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 15... | 1710 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 15... | 1715 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR
(LAT 36 23 32 LONG 092 32 10)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1535 | 9 | 80513 | 80513 | .00 | 150 | -- | -- | 12.5 | -- |
| 08... | 1536 | 9 | 80513 | 80010 | 3.00 | 150 | -- | -- | -- | -- |
| 08... | 1540 | 9 | 80513 | 80010 | 30.0 | 150 | 260 | 7.7 | -- | 11.5 |
| 08... | 1545 | 9 | 80513 | 80010 | 120 | 150 | 260 | 7.9 | -- | 11.5 |
| MAY | | | | | | | | | | |
| 23... | 1615 | 9 | 80513 | 80513 | .00 | 157 | -- | -- | 24.5 | -- |
| 23... | 1616 | 9 | 80513 | 80010 | 3.00 | 157 | -- | -- | -- | -- |
| 23... | 1620 | 9 | 80513 | 80010 | 31.0 | 157 | 255 | 8.0 | -- | 14.5 |
| 23... | 1625 | 9 | 80513 | 80010 | 126 | 157 | 250 | 7.7 | -- | 7.5 |
| AUG | | | | | | | | | | |
| 15... | 1725 | 9 | 80513 | 80513 | .00 | 155 | -- | -- | 31.5 | -- |
| 15... | 1726 | 9 | 80513 | 80010 | 3.00 | 155 | -- | -- | -- | -- |
| 15... | 1730 | 9 | 80513 | 80010 | 31.0 | 155 | 245 | 8.5 | -- | 20.0 |
| 15... | 1735 | 9 | 80513 | 80010 | 124 | 155 | 260 | 7.8 | -- | 11.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1535 | 158 | 4.0 | -- | -- | 750 | -- | -- | -- | 0 |
| 08... | 1536 | -- | -- | -- | -- | 750 | -- | -- | -- | -- |
| 08... | 1540 | -- | -- | 9.3 | 87 | 750 | 3 | 1.4 | -- | -- |
| 08... | 1545 | -- | -- | 9.4 | 88 | 750 | 3 | 2.7 | -- | -- |
| MAY | | | | | | | | | | |
| 23... | 1615 | 156 | 4.0 | -- | -- | 752 | -- | -- | -- | 0 |
| 23... | 1616 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 23... | 1620 | -- | -- | 10.4 | 103 | 752 | 5 | <1.0 | .9 | -- |
| 23... | 1625 | -- | -- | 7.5 | 63 | 752 | 3 | <1.0 | .6 | -- |
| AUG | | | | | | | | | | |
| 15... | 1725 | 157 | 4.0 | -- | -- | 749 | -- | -- | -- | 14 |
| 15... | 1726 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 15... | 1730 | -- | -- | 11.4 | 128 | 749 | 2 | .20 | 1.1 | -- |
| 15... | 1735 | -- | -- | 3.1 | 29 | 749 | 2 | .30 | .9 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 08... | 1540 | 120 | 0 | 0 | 30 | 75 | 10 | 120 | 7.0 | -- |
| 08... | 1545 | 120 | 0 | 0 | 31 | 78 | 10 | 120 | 7.0 | -- |
| MAY | | | | | | | | | | |
| 23... | 1620 | -- | -- | -- | -- | -- | -- | 130 | -- | .300 |
| 23... | 1625 | -- | -- | -- | -- | -- | -- | 130 | -- | .200 |
| AUG | | | | | | | | | | |
| 15... | 1730 | -- | -- | -- | -- | -- | -- | 121 | -- | <.100 |
| 15... | 1735 | -- | -- | -- | -- | -- | -- | 132 | -- | .300 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 08... | 1536 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| MAY | | | | | | | | | |
| 23... | 1616 | -- | -- | -- | -- | -- | -- | .200 | <.100 |
| 23... | 1620 | .070 | .43 | .50 | .80 | .010 | <.010 | -- | -- |
| 23... | 1625 | .110 | .00 | .10 | .30 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 15... | 1726 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 15... | 1730 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 15... | 1735 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

07058500 NORTH FORK RIVER AT TECUMSEH, MO
(LAT 36 35 12 LONG 092 17 18)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 15... | 0900 | 9 | 80513 | 80513 | .00 | 8.0 | -- | -- | 14.5 | -- | >96.0 |
| 15... | 0901 | 9 | 80513 | 80010 | 3.00 | 8.0 | -- | -- | -- | -- | -- |
| 15... | 0905 | 9 | 80513 | 80010 | 4.00 | 8.0 | 290 | 8.3 | -- | 7.5 | -- |
| MAY | | | | | | | | | | | |
| 29... | 1350 | 9 | 80513 | 80513 | .00 | 15.0 | -- | -- | 20.5 | -- | 60.0 |
| 29... | 1355 | 9 | 80513 | 80010 | 3.00 | 15.0 | 330 | 8.0 | -- | 17.5 | -- |
| 29... | 1400 | 9 | 80513 | 80010 | 12.0 | 15.0 | 330 | 7.9 | -- | 17.0 | -- |
| AUG | | | | | | | | | | | |
| 16... | 1100 | 9 | 80513 | 80513 | .00 | 5.0 | -- | -- | 27.5 | -- | 52.8 |
| 16... | 1105 | 9 | 80513 | 80010 | 1.00 | 5.0 | 380 | 8.0 | -- | 21.5 | -- |
| 16... | 1106 | 9 | 80513 | 80010 | 2.50 | 5.0 | -- | -- | -- | -- | -- |
| 16... | 1110 | 9 | 80513 | 80010 | 4.00 | 5.0 | 380 | 8.0 | -- | 21.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 15... | 0900 | >2.40 | -- | -- | 749 | -- | -- | -- | 39 | -- | -- |
| 15... | 0901 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 15... | 0905 | -- | 10.8 | 92 | 749 | 3 | 20 | 1.2 | -- | 96 | 0 |
| MAY | | | | | | | | | | | |
| 29... | 1350 | 1.50 | -- | -- | 758 | -- | -- | -- | 19 | -- | -- |
| 29... | 1355 | -- | 9.9 | 104 | 758 | 1 | 1.6 | .9 | -- | -- | -- |
| 29... | 1400 | -- | 9.8 | 102 | 758 | 3 | 2.1 | .8 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 16... | 1100 | 1.30 | -- | -- | 754 | -- | -- | -- | 16 | -- | -- |
| 16... | 1105 | -- | 7.4 | 85 | 754 | 2 | 2.0 | 1.0 | -- | -- | -- |
| 16... | 1106 | -- | -- | -- | 754 | -- | -- | -- | -- | -- | -- |
| 16... | 1110 | -- | 7.4 | 85 | 754 | <1 | 3.0 | .9 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 0905 | 0 | 17 | 42 | 13 | 157 | 5.9 | 6.4 | .800 | .030 |
| MAY | | | | | | | | | | |
| 29... | 1355 | -- | -- | -- | -- | 75 | -- | -- | .600 | .140 |
| 29... | 1400 | -- | -- | -- | -- | 85 | -- | -- | .500 | .130 |
| AUG | | | | | | | | | | |
| 16... | 1105 | -- | -- | -- | -- | 206 | -- | -- | .400 | -- |
| 16... | 1110 | -- | -- | -- | -- | 205 | -- | -- | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 0901 | -- | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 15... | 0905 | .77 | .80 | 1.6 | .010 | <.010 | 110 | 10 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1355 | 1.4 | 1.5 | 2.1 | <.010 | <.010 | -- | -- | <.100 | <.100 |
| 29... | 1400 | 3.4 | 3.5 | 4.0 | <.010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 16... | 1105 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 16... | 1106 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 16... | 1110 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |

07058600 NORFORK LAKE NEAR UDALL, MO
(LAT 36 32 53 LONG 092 16 55)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 0800 | 9 | 80513 | 80513 | .00 | 8.0 | -- | -- | 12.5 | -- |
| 15... | 0801 | 9 | 80513 | 80010 | 3.00 | 8.0 | -- | -- | -- | -- |
| 15... | 0805 | 9 | 80513 | 80010 | 4.00 | 8.0 | 322 | 8.3 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 29... | 1335 | 9 | 80513 | 80513 | .00 | 14.0 | -- | -- | 20.0 | -- |
| 29... | 1336 | 9 | 80513 | 80010 | 3.00 | 14.0 | -- | -- | -- | -- |
| 29... | 1340 | 9 | 80513 | 80010 | 7.00 | 14.0 | 375 | 7.9 | -- | 17.0 |
| AUG | | | | | | | | | | |
| 16... | 1115 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 28.5 | -- |
| 16... | 1120 | 9 | 80513 | 80010 | 3.00 | 6.0 | 465 | 8.0 | -- | 26.5 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 0800 | 90.0 | 2.30 | -- | -- | 748 | -- | -- | -- | 48 |
| 15... | 0801 | -- | -- | -- | -- | 748 | -- | -- | -- | -- |
| 15... | 0805 | -- | -- | 10.3 | 91 | 748 | 5 | 1.7 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1335 | 63.6 | 1.60 | -- | -- | 757 | -- | -- | -- | 21 |
| 29... | 1336 | -- | -- | -- | -- | 757 | -- | -- | -- | -- |
| 29... | 1340 | -- | -- | 9.0 | 94 | 757 | 5 | 2.1 | 1.0 | -- |
| AUG | | | | | | | | | | |
| 16... | 1115 | 38.4 | 1.00 | -- | -- | 754 | -- | -- | -- | 4 |
| 16... | 1120 | -- | -- | 8.4 | 106 | 754 | <1 | 1.4 | 1.8 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 0805 | 210 | 0 | 0 | 44 | 110 | 24 | 220 | 5.9 | -- |
| MAY | | | | | | | | | | |
| 29... | 1340 | -- | -- | -- | -- | -- | -- | 88 | -- | .400 |
| AUG | | | | | | | | | | |
| 16... | 1120 | -- | -- | -- | -- | -- | -- | 250 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 15... | 0801 | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| MAY | | | | | | | | | |
| 29... | 1336 | -- | -- | -- | -- | -- | -- | .400 | <.100 |
| 29... | 1340 | .130 | 1.6 | 1.7 | 2.1 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 16... | 1120 | -- | -- | -- | -- | .030 | <.010 | 11.0 | <.100 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR
(LAT 36 24 07 LONG 092 19 15)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1440 | 9 | 80513 | 80513 | .00 | 55.0 | -- | -- | 22.0 | -- |
| 14... | 1441 | 9 | 80513 | 80010 | 3.00 | 55.0 | -- | -- | -- | -- |
| 14... | 1445 | 9 | 80513 | 80010 | 11.0 | 55.0 | 320 | 8.3 | -- | 6.0 |
| 14... | 1450 | 9 | 80513 | 80010 | 44.0 | 55.0 | 330 | 8.3 | -- | 5.0 |
| MAY | | | | | | | | | | |
| 29... | 1245 | 9 | 80513 | 80513 | .00 | 60.0 | -- | -- | 23.0 | -- |
| 29... | 1246 | 9 | 80513 | 80010 | 3.00 | 60.0 | -- | -- | -- | -- |
| 29... | 1250 | 9 | 80513 | 80010 | 12.0 | 60.0 | 295 | 8.7 | -- | 21.0 |
| 29... | 1255 | 9 | 80513 | 80010 | 48.0 | 60.0 | 305 | 8.0 | -- | 13.5 |
| AUG | | | | | | | | | | |
| 16... | 1155 | 9 | 80513 | 80513 | .00 | 52.0 | -- | -- | 32.0 | -- |
| 16... | 1156 | 9 | 80513 | 80010 | 3.00 | 52.0 | -- | -- | -- | -- |
| 16... | 1200 | 9 | 80513 | 80010 | 10.5 | 52.0 | 295 | 8.0 | -- | 28.0 |
| 16... | 1205 | 9 | 80513 | 80010 | 41.5 | 52.0 | 350 | 7.5 | -- | 21.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1440 | 22.8 | .60 | -- | -- | 748 | -- | -- | -- | 88 |
| 14... | 1441 | -- | -- | -- | -- | 748 | -- | -- | -- | -- |
| 14... | 1445 | -- | -- | 12.6 | 103 | 748 | 10 | 10 | -- | -- |
| 14... | 1450 | -- | -- | 12.4 | 99 | 748 | 12 | 3.3 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1245 | 92.4 | 2.40 | -- | -- | 758 | -- | -- | -- | 0 |
| 29... | 1246 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 29... | 1250 | -- | -- | 10.2 | 115 | 758 | 5 | 1.0 | 1.4 | -- |
| 29... | 1255 | -- | -- | 5.3 | 51 | 758 | -- | 1.1 | 1.0 | -- |
| AUG | | | | | | | | | | |
| 16... | 1155 | 157 | 4.0 | -- | -- | 754 | -- | -- | -- | 0 |
| 16... | 1156 | -- | -- | -- | -- | 754 | -- | -- | -- | -- |
| 16... | 1200 | -- | -- | 9.6 | 124 | 754 | <1 | .50 | .6 | -- |
| 16... | 1205 | -- | -- | .2 | 2 | 754 | 5 | 4.0 | 1.1 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1445 | 160 | 0 | 0 | 31 | 78 | 20 | 165 | 6.3 | -- |
| 14... | 1450 | 170 | 0 | 0 | 35 | 88 | 20 | 171 | 5.9 | -- |
| MAY | | | | | | | | | | |
| 29... | 1250 | -- | -- | -- | -- | -- | -- | 66 | -- | .300 |
| 29... | 1255 | -- | -- | -- | -- | -- | -- | 67 | -- | .500 |
| AUG | | | | | | | | | | |
| 16... | 1200 | -- | -- | -- | -- | -- | -- | 153 | -- | <.100 |
| 16... | 1205 | -- | -- | -- | -- | -- | -- | 189 | -- | .100 |

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1441 | -- | -- | -- | -- | -- | -- | 8.00 | <.100 |
| MAY | | | | | | | | | |
| 29... | 1246 | -- | -- | -- | -- | -- | -- | 18.0 | <.100 |
| 29... | 1250 | .130 | 1.5 | 1.6 | 1.9 | <.010 | <.010 | -- | -- |
| 29... | 1255 | .080 | 1.4 | 1.5 | 2.0 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 16... | 1156 | -- | -- | -- | -- | -- | -- | 1.50 | <.100 |
| 16... | 1200 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 16... | 1205 | -- | -- | -- | -- | .020 | .010 | -- | -- |

07058995 NORFORK LAKE AT HENDERSON, AR
(LAT 36 22 30 LONG 092 14 37)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 14... | 1510 | 9 | 80513 | 80513 | .00 | 115 | -- | -- | 18.0 | -- | 86.4 |
| 14... | 1511 | 9 | 80513 | 80010 | 3.00 | 115 | -- | -- | -- | -- | -- |
| 14... | 1515 | 9 | 80513 | 80010 | 23.0 | 115 | 300 | 8.5 | -- | 5.0 | -- |
| 14... | 1520 | 9 | 80513 | 80010 | 92.0 | 115 | 320 | 8.6 | -- | 4.5 | -- |
| MAY | | | | | | | | | | | |
| 29... | 1445 | 9 | 80513 | 80513 | .00 | 120 | -- | -- | 20.0 | -- | 118 |
| 29... | 1446 | 9 | 80513 | 80010 | 3.00 | 120 | -- | -- | -- | -- | -- |
| 29... | 1450 | 9 | 80513 | 80010 | 24.0 | 120 | 295 | 8.4 | -- | 19.5 | -- |
| 29... | 1455 | 9 | 80513 | 80010 | 96.0 | 120 | 300 | 8.0 | -- | 10.0 | -- |
| AUG | | | | | | | | | | | |
| 16... | 0950 | 9 | 80513 | 80513 | .00 | 115 | -- | -- | 25.5 | -- | 164 |
| 16... | 0951 | 9 | 80513 | 80010 | 3.00 | 115 | -- | -- | -- | -- | -- |
| 16... | 0955 | 9 | 80513 | 80010 | 23.0 | 115 | 290 | 8.6 | -- | 27.5 | -- |
| 16... | 1000 | 9 | 80513 | 80010 | 92.0 | 115 | 325 | 7.7 | -- | 11.5 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 14... | 1510 | 2.20 | -- | -- | 746 | -- | -- | -- | 0 | -- | -- |
| 14... | 1511 | -- | -- | -- | 746 | -- | -- | -- | -- | -- | -- |
| 14... | 1515 | -- | 12.8 | 102 | 746 | 5 | 17 | 1.2 | -- | 140 | 0 |
| 14... | 1520 | -- | 12.9 | 102 | 746 | 7 | 3.0 | 1.5 | -- | 150 | 0 |
| MAY | | | | | | | | | | | |
| 29... | 1445 | 3.00 | -- | -- | 758 | -- | -- | -- | 0 | -- | -- |
| 29... | 1446 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 29... | 1450 | -- | 10.5 | 115 | 758 | 1 | <1.0 | .8 | -- | -- | -- |
| 29... | 1455 | -- | 7.3 | 65 | 758 | 3 | <1.0 | .6 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 16... | 0950 | 4.2 | -- | -- | 754 | -- | -- | -- | 0 | -- | -- |
| 16... | 0951 | -- | -- | -- | 754 | -- | -- | -- | -- | -- | -- |
| 16... | 0955 | -- | 8.2 | 105 | 754 | 2 | .80 | .6 | -- | -- | -- |
| 16... | 1000 | -- | .1 | 0 | 754 | <1 | 2.5 | .8 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1515 | 0 | 28 | 70 | 17 | 162 | 6.0 | 4.9 | .300 | .060 |
| 14... | 1520 | 0 | 32 | 80 | 18 | 164 | 6.0 | 5.4 | .500 | .450 |
| MAY | | | | | | | | | | |
| 29... | 1450 | -- | -- | -- | -- | 79 | -- | -- | .300 | <.010 |
| 29... | 1455 | -- | -- | -- | -- | 83 | -- | -- | .500 | .050 |
| AUG | | | | | | | | | | |
| 16... | 0955 | -- | -- | -- | -- | 150 | -- | -- | <.100 | -- |
| 16... | 1000 | -- | -- | -- | -- | 173 | -- | -- | .400 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1511 | -- | -- | -- | -- | -- | -- | -- | 3.20 | <.100 |
| 14... | 1515 | .54 | .60 | .90 | .020 | <.010 | 60 | 10 | -- | -- |
| 14... | 1520 | .35 | .80 | 1.3 | .020 | <.010 | 310 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1446 | -- | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| 29... | 1450 | -- | 1.8 | 2.1 | <.010 | <.010 | -- | -- | -- | -- |
| 29... | 1455 | 3.3 | 3.3 | 3.8 | <.010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 16... | 0951 | -- | -- | -- | -- | -- | -- | -- | 1.80 | <.100 |
| 16... | 0955 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 16... | 1000 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |

07059095 NORFORK LAKE ON FALL CREEK, AR
(LAT 36 20 07 LONG 092 17 04)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1535 | 9 | 80513 | 80513 | .00 | 15.0 | -- | -- | 19.0 | -- |
| 14... | 1540 | 9 | 80513 | 80010 | 3.00 | 15.0 | 310 | 8.3 | -- | 6.5 |
| 14... | 1545 | 9 | 80513 | 80010 | 12.0 | 15.0 | 312 | 8.3 | -- | 6.0 |
| MAY | | | | | | | | | | |
| 29... | 1505 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 20.5 | -- |
| 29... | 1506 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- |
| 29... | 1510 | 9 | 80513 | 80010 | 10.0 | 20.0 | 295 | 8.3 | -- | 22.0 |
| AUG | | | | | | | | | | |
| 16... | 1305 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 32.0 | -- |
| 16... | 1306 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- |
| 16... | 1310 | 9 | 80513 | 80010 | 6.00 | 12.0 | 290 | 8.6 | -- | 27.0 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1535 | 54.0 | 1.40 | -- | -- | 747 | -- | -- | -- | 39 |
| 14... | 1540 | -- | -- | 12.3 | 102 | 747 | 10 | 8.5 | -- | -- |
| 14... | 1545 | -- | -- | 12.6 | 103 | 747 | 7 | 8.0 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1505 | 57.6 | 1.50 | -- | -- | 758 | -- | -- | -- | 9 |
| 29... | 1506 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 29... | 1510 | -- | -- | 10.4 | 120 | 758 | 5 | 1.6 | 1.5 | -- |
| AUG | | | | | | | | | | |
| 16... | 1305 | 60.0 | 1.50 | -- | -- | 753 | -- | -- | -- | 0 |
| 16... | 1306 | -- | -- | -- | -- | 753 | -- | -- | -- | -- |
| 16... | 1310 | -- | -- | 8.6 | 109 | 753 | 2 | 1.5 | .8 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1540 | 170 | 6 | 6 | 32 | 80 | 21 | 161 | 5.7 | -- |
| 14... | 1545 | 90 | 0 | 0 | 18 | 45 | 11 | 161 | 4.9 | -- |
| MAY | | | | | | | | | | |
| 29... | 1510 | -- | -- | -- | -- | -- | -- | 62 | -- | .200 |
| AUG | | | | | | | | | | |
| 16... | 1310 | -- | -- | -- | -- | -- | -- | 154 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1540 | -- | -- | -- | -- | -- | -- | 2.80 | <.100 |
| MAY | | | | | | | | | |
| 29... | 1506 | -- | -- | -- | -- | -- | -- | 2.40 | <.100 |
| 29... | 1510 | .070 | .93 | 1.0 | 1.2 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 16... | 1306 | -- | -- | -- | -- | -- | -- | 2.10 | <.100 |
| 16... | 1310 | -- | -- | -- | -- | .010 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, AR
(LAT 36 16 27 LONG 092 12 30)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1400 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 22.0 | -- |
| 14... | 1401 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- |
| 14... | 1405 | 9 | 80513 | 80010 | 28.0 | 140 | 305 | 8.3 | -- | 5.5 |
| 14... | 1410 | 9 | 80513 | 80010 | 112 | 140 | 310 | 8.3 | -- | 4.5 |
| MAY | | | | | | | | | | |
| 29... | 1550 | 9 | 80513 | 80513 | .00 | 147 | -- | -- | 21.5 | -- |
| 29... | 1551 | 9 | 80513 | 80010 | 3.00 | 147 | -- | -- | -- | -- |
| 29... | 1555 | 9 | 80513 | 80010 | 29.0 | 147 | 280 | 8.4 | -- | 19.5 |
| 29... | 1600 | 9 | 80513 | 80010 | 118 | 147 | 280 | 8.0 | -- | 9.0 |
| AUG | | | | | | | | | | |
| 16... | 0915 | 9 | 80513 | 80513 | .00 | 140 | -- | -- | 24.5 | -- |
| 16... | 0916 | 9 | 80513 | 80010 | 3.00 | 140 | -- | -- | -- | -- |
| 16... | 0920 | 9 | 80513 | 80010 | 28.0 | 140 | 290 | 8.6 | -- | 26.5 |
| 16... | 0925 | 9 | 80513 | 80010 | 112 | 140 | 300 | 7.8 | -- | 10.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1400 | 142 | 3.6 | -- | -- | 748 | -- | -- | -- | 0 |
| 14... | 1401 | -- | -- | -- | -- | 748 | -- | -- | -- | -- |
| 14... | 1405 | -- | -- | 12.2 | 99 | 748 | 5 | 2.1 | -- | -- |
| 14... | 1410 | -- | -- | 12.0 | 95 | 748 | 5 | 2.3 | -- | -- |
| MAY | | | | | | | | | | |
| 29... | 1550 | 236 | 6.0 | -- | -- | 757 | -- | -- | -- | 7 |
| 29... | 1551 | -- | -- | -- | -- | 757 | -- | -- | -- | -- |
| 29... | 1555 | -- | -- | 10.6 | 116 | 757 | 5 | <1.0 | .8 | -- |
| 29... | 1600 | -- | -- | 8.7 | 76 | 757 | 5 | <1.0 | .6 | -- |
| AUG | | | | | | | | | | |
| 16... | 0915 | 244 | 6.2 | -- | -- | 754 | -- | -- | -- | 0 |
| 16... | 0916 | -- | -- | -- | -- | 754 | -- | -- | -- | -- |
| 16... | 0920 | -- | -- | 9.6 | 121 | 754 | -- | -- | .4 | -- |
| 16... | 0925 | -- | -- | 3.0 | 27 | 754 | -- | -- | .5 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 14... | 1405 | 140 | 0 | 0 | 30 | 75 | 17 | 154 | 5.1 | -- |
| 14... | 1410 | 150 | 0 | 0 | 30 | 75 | 19 | 154 | 5.2 | -- |
| MAY | | | | | | | | | | |
| 29... | 1555 | -- | -- | -- | -- | -- | -- | 62 | -- | .400 |
| 29... | 1600 | -- | -- | -- | -- | -- | -- | 63 | -- | .400 |
| AUG | | | | | | | | | | |
| 16... | 0920 | -- | -- | -- | -- | -- | -- | 147 | -- | <.100 |
| 16... | 0925 | -- | -- | -- | -- | -- | -- | 160 | -- | .300 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, AR--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 14... | 1401 | -- | -- | -- | -- | -- | -- | 2.50 | <.100 |
| MAY | | | | | | | | | |
| 29... | 1551 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 29... | 1555 | .060 | 2.1 | 2.2 | 2.6 | <.010 | <.010 | -- | -- |
| 29... | 1600 | .220 | 1.9 | 2.1 | 2.5 | <.010 | .010 | -- | -- |
| AUG | | | | | | | | | |
| 16... | 0916 | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| 16... | 0920 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 16... | 0925 | -- | -- | -- | -- | .010 | <.010 | -- | -- |

07061600 BLACK RIVER BELOW ANNAPOLIS, MO
(LAT 37 19 30 LONG 090 45 50)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | |
| 15... | 1425 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 22.0 | -- | >24.0 |
| 15... | 1430 | 9 | 80513 | 80010 | 1.00 | 2.0 | 195 | 8.2 | -- | 8.5 | -- |
| MAY | | | | | | | | | | | |
| 30... | 1325 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 22.5 | -- | >24.0 |
| 30... | 1330 | 9 | 80513 | 80010 | 1.00 | 2.0 | 240 | 6.9 | -- | 18.0 | -- |
| AUG | | | | | | | | | | | |
| 22... | 0825 | 9 | 80513 | 80513 | .00 | 1.0 | -- | -- | 24.0 | -- | >12.0 |
| 22... | 0830 | 9 | 80513 | 80010 | .50 | 1.0 | 270 | 8.1 | -- | 22.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1425 | >.60 | -- | -- | 748 | -- | -- | -- | 0 | -- |
| 15... | 1430 | -- | 11.4 | 99 | 748 | 11 | 2.0 | .9 | -- | 89 |
| MAY | | | | | | | | | | |
| 30... | 1325 | >.60 | -- | -- | 750 | -- | -- | -- | 12 | -- |
| 30... | 1330 | -- | 9.1 | 98 | 750 | 1 | <1.0 | .6 | -- | -- |
| AUG | | | | | | | | | | |
| 22... | 0825 | >.30 | -- | -- | 752 | -- | -- | -- | -- | -- |
| 22... | 0830 | -- | 6.7 | 79 | 752 | 1 | .50 | 1.7 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO--CONTINUED

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1430 | 5 | 5 | 19 | 48 | 10 | 84 | 14 | 5.2 | .300 |
| MAY | | | | | | | | | | |
| 30... | 1330 | -- | -- | -- | -- | -- | 43 | -- | -- | .100 |
| AUG | | | | | | | | | | |
| 22... | 0830 | -- | -- | -- | -- | -- | 125 | -- | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1430 | <.010 | .40 | .70 | .010 | <.010 | 360 | 10 | .700 | <.100 |
| MAY | | | | | | | | | | |
| 30... | 1330 | <.010 | 3.1 | 3.2 | <.010 | <.010 | -- | -- | <.100 | <.100 |
| AUG | | | | | | | | | | |
| 22... | 0830 | -- | -- | -- | <.010 | <.010 | -- | -- | <.100 | <.100 |

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO
(LAT 37 12 30 LONG 090 46 43)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1315 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 22.5 | -- |
| 15... | 1320 | 9 | 80513 | 80010 | 2.00 | 4.0 | 205 | 8.2 | -- | 8.0 |
| MAY | | | | | | | | | | |
| 30... | 1155 | 9 | 80513 | 80513 | .00 | 5.0 | -- | -- | 19.0 | -- |
| 30... | 1200 | 9 | 80513 | 80010 | 2.50 | 5.0 | 181 | 7.6 | -- | 16.5 |
| AUG | | | | | | | | | | |
| 22... | 1155 | 9 | 80513 | 80513 | .00 | 5.0 | -- | -- | 28.0 | -- |
| 22... | 1200 | 9 | 80513 | 80010 | 2.50 | 5.0 | 270 | 8.1 | -- | 23.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1315 | >48.0 | >1.20 | -- | -- | 752 | -- | -- | -- | 1 |
| 15... | 1320 | >48.0 | >1.20 | 11.3 | 97 | 752 | 5 | -- | .7 | -- |
| MAY | | | | | | | | | | |
| 30... | 1155 | >60.0 | >1.50 | -- | -- | 758 | -- | -- | -- | 7 |
| 30... | 1200 | -- | -- | 9.4 | 97 | 758 | 3 | <1.0 | .8 | -- |
| AUG | | | | | | | | | | |
| 22... | 1155 | >60.0 | >1.50 | -- | -- | 753 | -- | -- | -- | 20 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1320 | 83 | 0 | 0 | 15 | 11 | 88 | 15 | 5.5 | .400 |
| MAY | | | | | | | | | | |
| 30... | 1200 | -- | -- | -- | -- | -- | 43 | -- | -- | .200 |
| AUG | | | | | | | | | | |
| 22... | 1200 | -- | -- | -- | -- | -- | 127 | -- | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1320 | <.010 | .70 | 1.1 | .010 | <.010 | 120 | 10 | .700 | <.100 |
| MAY | | | | | | | | | | |
| 30... | 1200 | <.010 | 2.7 | 2.9 | <.010 | <.010 | -- | -- | <.100 | <.100 |
| AUG | | | | | | | | | | |
| 22... | 1200 | -- | -- | -- | <.010 | <.010 | -- | -- | <.100 | <.100 |

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO
(LAT 37 09 58 LONG 090 48 43)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1255 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 22.5 | -- |
| 15... | 1300 | 9 | 80513 | 80010 | 1.00 | 2.0 | 245 | 8.0 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 30... | 1135 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 18.0 | -- |
| 30... | 1140 | 9 | 80513 | 80010 | 2.00 | 4.0 | 225 | 7.9 | -- | 14.0 |
| AUG | | | | | | | | | | |
| 22... | 1125 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 26.5 | -- |
| 22... | 1130 | 9 | 80513 | 80010 | 2.00 | 4.0 | 260 | 8.5 | -- | 25.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1255 | 8.4 | .20 | -- | -- | 752 | -- | -- | -- | 9 |
| 15... | 1300 | -- | -- | 10.3 | 90 | 752 | 6 | 19 | -- | -- |
| MAY | | | | | | | | | | |
| 30... | 1135 | 9.6 | .20 | -- | -- | 758 | -- | -- | -- | 16 |
| 30... | 1140 | -- | -- | 8.6 | 84 | 758 | 5 | 14 | 3.4 | -- |
| AUG | | | | | | | | | | |
| 22... | 1125 | 10.8 | .30 | -- | -- | 753 | -- | -- | -- | 5 |
| 22... | 1130 | -- | -- | 7.0 | 86 | 753 | <1 | 17 | 3.4 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO--CONTINUED

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 15... | 1300 | 120 | 0 | 0 | 26 | 65 | 14 | 122 | 4.4 |
| MAY | | | | | | | | | |
| 30... | 1140 | -- | -- | -- | -- | -- | -- | 45 | -- |
| AUG | | | | | | | | | |
| 22... | 1130 | -- | -- | -- | -- | -- | -- | 127 | -- |

| DATE | TIME | 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) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 15... | 1300 | -- | -- | -- | -- | -- | -- | 5.00 | <.100 |
| MAY | | | | | | | | | |
| 30... | 1140 | .700 | <.010 | 2.0 | 2.7 | .020 | <.010 | .900 | <.100 |
| AUG | | | | | | | | | |
| 22... | 1130 | <.100 | <.010 | .70 | -- | .040 | <.010 | 1.00 | <.100 |

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO
(LAT 37 08 34 LONG 090 49 08)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1245 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 23.0 | -- |
| 15... | 1250 | 9 | 80513 | 80010 | 1.00 | 2.0 | 278 | 8.0 | -- | 9.5 |
| MAY | | | | | | | | | | |
| 30... | 1125 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 18.0 | -- |
| 30... | 1130 | 9 | 80513 | 80010 | 1.00 | 2.0 | 215 | 7.9 | -- | 14.0 |
| AUG | | | | | | | | | | |
| 22... | 1100 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 26.0 | -- |
| 22... | 1105 | 9 | 80513 | 80010 | 2.00 | 4.0 | 280 | 8.0 | -- | 24.0 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | |
| 15... | 1245 | 16.8 | .40 | -- | -- | 752 | -- | -- | -- | 1 |
| 15... | 1250 | -- | -- | 11.1 | 99 | 752 | 5 | 9.5 | -- | -- |
| MAY | | | | | | | | | | |
| 30... | 1125 | >24.0 | >.60 | -- | -- | 758 | -- | -- | -- | 21 |
| 30... | 1130 | -- | -- | 10.0 | 98 | 758 | 5 | 1.5 | .5 | -- |
| AUG | | | | | | | | | | |
| 22... | 1100 | 12.0 | .30 | -- | -- | 753 | -- | -- | -- | 19 |
| 22... | 1105 | -- | -- | 5.4 | 65 | 753 | <1 | 16 | 2.8 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO--CONTINUED

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 15... | 1250 | 130 | 0 | 0 | 27 | 68 | 15 | 133 | 3.9 |
| MAY | | | | | | | | | |
| 30... | 1130 | -- | -- | -- | -- | -- | -- | 50 | -- |
| AUG | | | | | | | | | |
| 22... | 1105 | -- | -- | -- | -- | -- | -- | 129 | -- |

| DATE | TIME | 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) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | |
| 15... | 1250 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| MAY | | | | | | | | | |
| 30... | 1130 | .500 | <.010 | 2.9 | 3.4 | <.010 | <.010 | <.100 | <.100 |
| AUG | | | | | | | | | |
| 22... | 1105 | .700 | -- | -- | -- | .100 | .110 | 2.50 | <.100 |

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR
(LAT 35 37 15 LONG 092 11 16)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1240 | 9 | 80513 | 80513 | .00 | 55.0 | -- | -- | 3.5 | -- | 52.8 |
| 14... | 1241 | 9 | 80513 | 80010 | 3.00 | 55.0 | -- | -- | -- | -- | -- |
| 14... | 1245 | 9 | 80513 | 80010 | 11.0 | 55.0 | 56 | 7.2 | -- | 8.0 | -- |
| 14... | 1250 | 9 | 80513 | 80010 | 44.0 | 55.0 | 70 | 7.2 | -- | 8.0 | -- |
| MAY | | | | | | | | | | | |
| 15... | 1150 | 9 | 80513 | 80513 | .00 | 60.0 | -- | -- | 21.0 | -- | 30.0 |
| 15... | 1151 | 9 | 80513 | 80010 | 3.00 | 60.0 | -- | -- | -- | -- | -- |
| 15... | 1155 | 9 | 80513 | 80010 | 12.0 | 60.0 | 42 | 7.9 | -- | 17.5 | -- |
| 15... | 1200 | 9 | 80513 | 80010 | 48.0 | 60.0 | 44 | 7.3 | -- | 13.5 | -- |
| AUG | | | | | | | | | | | |
| 20... | 1245 | 9 | 80513 | 80513 | .00 | 56.0 | -- | -- | 29.0 | -- | 94.8 |
| 20... | 1246 | 9 | 80513 | 80010 | 3.00 | 56.0 | -- | -- | -- | -- | -- |
| 20... | 1250 | 9 | 80513 | 80010 | 11.0 | 56.0 | 52 | 7.5 | -- | 28.0 | -- |
| 20... | 1255 | 9 | 80513 | 80010 | 45.0 | 56.0 | 99 | 6.9 | -- | 17.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1240 | 1.30 | -- | -- | 742 | -- | -- | -- | 82 | -- | -- |
| 14... | 1241 | -- | -- | -- | 742 | -- | -- | -- | -- | -- | -- |
| 14... | 1245 | -- | 10.4 | 90 | 742 | 6 | 11 | 1.4 | -- | 23 | 5 |
| 14... | 1250 | -- | 10.4 | 90 | 742 | 20 | 23 | 1.7 | -- | 29 | 6 |
| MAY | | | | | | | | | | | |
| 15... | 1150 | .80 | -- | -- | 759 | -- | -- | -- | 9 | -- | -- |
| 15... | 1151 | -- | -- | -- | 759 | -- | -- | -- | -- | -- | -- |
| 15... | 1155 | -- | 8.0 | 84 | 759 | 10 | 16 | 1.2 | -- | -- | -- |
| 15... | 1200 | -- | 6.2 | 60 | 759 | 30 | 50 | 1.9 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 20... | 1245 | 2.40 | -- | -- | 751 | -- | -- | -- | 1 | -- | -- |
| 20... | 1246 | -- | -- | -- | 751 | -- | -- | -- | -- | -- | -- |
| 20... | 1250 | -- | 7.3 | 95 | 751 | 3 | 2.5 | 1.4 | -- | -- | -- |
| 20... | 1255 | -- | 7.1 | 75 | 751 | 5 | 55 | 1.2 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1245 | 5 | 7.3 | 18 | 1.1 | 18 | 5.0 | 3.6 | .200 | .120 |
| 14... | 1250 | 6 | 9.6 | 24 | 1.2 | 23 | 7.0 | 4.1 | .200 | .120 |
| MAY | | | | | | | | | | |
| 15... | 1155 | -- | -- | -- | -- | 19 | -- | -- | .100 | .270 |
| 15... | 1200 | -- | -- | -- | -- | 21 | -- | -- | .200 | .400 |
| AUG | | | | | | | | | | |
| 20... | 1250 | -- | -- | -- | -- | 18 | -- | -- | <.100 | -- |
| 20... | 1255 | -- | -- | -- | -- | 43 | -- | -- | .500 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1241 | -- | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 14... | 1245 | .08 | .20 | .40 | .030 | <.010 | 380 | 100 | -- | -- |
| 14... | 1250 | .08 | .20 | .40 | .040 | .030 | 590 | 60 | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1151 | -- | -- | -- | -- | -- | -- | -- | 3.40 | <.100 |
| 15... | 1155 | 1.8 | 2.1 | 2.2 | .040 | <.010 | -- | -- | -- | -- |
| 15... | 1200 | 1.9 | 2.3 | 2.5 | .120 | .020 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 20... | 1246 | -- | -- | -- | -- | -- | -- | -- | 3.00 | <.100 |
| 20... | 1250 | -- | -- | -- | .020 | <.010 | -- | -- | -- | -- |
| 20... | 1255 | -- | -- | -- | .200 | .060 | -- | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR
(LAT 35 36 24 LONG 092 30 14)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1315 | 9 | 80513 | 80513 | .00 | 70.0 | -- | -- | 3.5 | -- |
| 14... | 1316 | 9 | 80513 | 80010 | 3.00 | 70.0 | -- | -- | -- | -- |
| 14... | 1320 | 9 | 80513 | 80010 | 14.0 | 70.0 | 50 | 7.3 | -- | 9.5 |
| 14... | 1325 | 9 | 80513 | 80010 | 56.0 | 70.0 | 53 | 7.0 | -- | 8.5 |
| MAY | | | | | | | | | | |
| 15... | 1220 | 9 | 80513 | 80513 | .00 | 85.0 | -- | -- | 21.0 | -- |
| 15... | 1221 | 9 | 80513 | 80010 | 3.00 | 85.0 | -- | -- | -- | -- |
| 15... | 1225 | 9 | 80513 | 80010 | 17.0 | 85.0 | 31 | 7.3 | -- | 16.5 |
| 15... | 1230 | 9 | 80513 | 80010 | 68.0 | 85.0 | 35 | 7.0 | -- | 10.0 |
| AUG | | | | | | | | | | |
| 20... | 1210 | 9 | 80513 | 80513 | .00 | 71.0 | -- | -- | 27.5 | -- |
| 20... | 1211 | 9 | 80513 | 80010 | 3.00 | 71.0 | -- | -- | -- | -- |
| 20... | 1215 | 9 | 80513 | 80010 | 14.0 | 71.0 | 38 | 7.6 | -- | 27.5 |
| 20... | 1220 | 9 | 80513 | 80010 | 57.0 | 71.0 | 61 | 6.8 | -- | 14.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1315 | 62.4 | 1.60 | -- | -- | 742 | -- | -- | -- | 17 |
| 14... | 1316 | -- | -- | -- | -- | 742 | -- | -- | -- | -- |
| 14... | 1320 | -- | -- | 9.8 | 88 | 742 | 8 | 5.2 | -- | -- |
| 14... | 1325 | -- | -- | 10.1 | 89 | 742 | 8 | 12 | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1220 | 46.8 | 1.20 | -- | -- | 760 | -- | -- | -- | 4 |
| 15... | 1221 | -- | -- | -- | -- | 760 | -- | -- | -- | -- |
| 15... | 1225 | -- | -- | 7.6 | 78 | 760 | 5 | 7.8 | 1.2 | -- |
| 15... | 1230 | -- | -- | 5.3 | 47 | 760 | 5 | 5.6 | .9 | -- |
| AUG | | | | | | | | | | |
| 20... | 1210 | 86.4 | 2.20 | -- | -- | 752 | -- | -- | -- | 7 |
| 20... | 1211 | -- | -- | -- | -- | 752 | -- | -- | -- | -- |
| 20... | 1215 | -- | -- | 7.5 | 96 | 752 | 2 | 1.5 | 1.3 | -- |
| 20... | 1220 | -- | -- | .1 | 0 | 752 | 28 | 18 | 1.0 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1320 | 18 | 1 | 1 | 5.4 | 14 | 1.2 | 17 | 4.1 | -- |
| 14... | 1325 | 18 | 2 | 2 | 5.5 | 14 | 1.0 | 16 | 4.3 | -- |
| MAY | | | | | | | | | | |
| 15... | 1225 | -- | -- | -- | -- | -- | -- | 13 | -- | .200 |
| 15... | 1230 | -- | -- | -- | -- | -- | -- | 17 | -- | .300 |
| AUG | | | | | | | | | | |
| 20... | 1215 | -- | -- | -- | -- | -- | -- | 18 | -- | <.100 |
| 20... | 1220 | -- | -- | -- | -- | -- | -- | 25 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR--CONTINUED

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 14... | 1316 | -- | -- | -- | -- | -- | -- | 1.40 | <.100 |
| MAY | | | | | | | | | |
| 15... | 1221 | -- | -- | -- | -- | -- | -- | 1.70 | <.100 |
| 15... | 1225 | .380 | 3.1 | 3.5 | 3.7 | .020 | <.010 | -- | -- |
| 15... | 1230 | .380 | 2.0 | 2.4 | 2.7 | .010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 20... | 1211 | -- | -- | -- | -- | -- | -- | 3.80 | <.100 |
| 20... | 1215 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

07075490 GREERS FERRY LAKE NEAR CLINTON, AR
(LAT 35 35 06 LONG 092 25 32)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1455 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 1.5 | -- | 43.2 |
| 14... | 1500 | 9 | 80513 | 80010 | 2.00 | 4.0 | 29 | 6.2 | -- | 8.0 | -- |
| MAY | | | | | | | | | | | |
| 15... | 1345 | 9 | 80513 | 80513 | .00 | 8.0 | -- | -- | 20.0 | -- | 38.4 |
| 15... | 1346 | 9 | 80513 | 80010 | 3.00 | 8.0 | -- | -- | -- | -- | -- |
| 15... | 1350 | 9 | 80513 | 80010 | 4.00 | 8.0 | 19 | 7.0 | -- | 19.0 | -- |
| AUG | | | | | | | | | | | |
| 20... | 1025 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 27.0 | -- | >48.0 |
| 20... | 1030 | 9 | 80513 | 80010 | 2.00 | 4.0 | 107 | 7.7 | -- | 28.5 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1455 | 1.10 | -- | -- | 743 | -- | -- | -- | 11 | -- | -- |
| 14... | 1500 | -- | 11.3 | 98 | 743 | 6 | 18 | 1.4 | -- | 9 | 3 |
| MAY | | | | | | | | | | | |
| 15... | 1345 | 1.00 | -- | -- | 758 | -- | -- | -- | 57 | -- | -- |
| 15... | 1346 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 15... | 1350 | -- | 7.8 | 85 | 758 | 5 | 3.5 | 1.1 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 20... | 1025 | >1.20 | -- | -- | 751 | -- | -- | -- | K11 | -- | -- |
| 20... | 1030 | -- | 8.0 | 105 | 751 | 3 | 4.5 | 3.2 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1500 | 3 | 2.1 | 5.0 | .80 | 6 | 3.0 | 4.3 | .500 | .090 |
| MAY | | | | | | | | | | |
| 15... | 1350 | -- | -- | -- | -- | 10 | -- | -- | .400 | .540 |
| AUG | | | | | | | | | | |
| 20... | 1030 | -- | -- | -- | -- | 25 | -- | -- | 1.10 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1500 | .01 | .10 | .60 | .030 | <.010 | 450 | 50 | .200 | <.100 |
| MAY | | | | | | | | | | |
| 15... | 1346 | -- | -- | -- | -- | -- | -- | -- | .900 | <.100 |
| 15... | 1350 | 3.0 | 3.5 | 3.9 | .010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 20... | 1030 | -- | -- | -- | .030 | <.010 | -- | -- | 14.0 | <.100 |

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR
(LAT 35 31 27 LONG 092 25 04)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1525 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 1.0 | -- |
| 14... | 1530 | 9 | 80513 | 80010 | 2.00 | 4.0 | 29 | 6.4 | -- | 8.0 |
| MAY | | | | | | | | | | |
| 15... | 1415 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 20.5 | -- |
| 15... | 1416 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- |
| 15... | 1420 | 9 | 80513 | 80010 | 10.0 | 20.0 | 18 | 6.8 | -- | 20.5 |
| AUG | | | | | | | | | | |
| 20... | 0945 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 25.5 | -- |
| 20... | 0950 | 9 | 80513 | 80010 | 2.00 | 4.0 | 33 | 7.3 | -- | 26.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1525 | 36.0 | .90 | -- | -- | 742 | -- | -- | -- | 20 |
| 14... | 1530 | -- | -- | 11.3 | 98 | 742 | 15 | 26 | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1415 | 30.0 | .80 | -- | -- | 758 | -- | -- | -- | 4 |
| 15... | 1416 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 15... | 1420 | -- | -- | 7.5 | 84 | 758 | 5 | 8.1 | 1.5 | -- |
| AUG | | | | | | | | | | |
| 20... | 0945 | 14.4 | .40 | -- | -- | 751 | -- | -- | -- | 4 |
| 20... | 0950 | -- | -- | 6.7 | 84 | 751 | 2 | 8.5 | 1.8 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR--CONTINUED

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1530 | 8 | 3 | 3 | 1.8 | 4.0 | .90 | 5 | 5.8 | -- |
| MAY | | | | | | | | | | |
| 15... | 1420 | -- | -- | -- | -- | -- | -- | 7 | -- | .100 |
| AUG | | | | | | | | | | |
| 20... | 0950 | -- | -- | -- | -- | -- | -- | 11 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 14... | 1530 | -- | -- | -- | -- | -- | -- | .200 | <.100 |
| MAY | | | | | | | | | |
| 15... | 1416 | -- | -- | -- | -- | -- | -- | 1.80 | <.100 |
| 15... | 1420 | .500 | 3.3 | 3.8 | 3.9 | .010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 20... | 0950 | -- | -- | -- | -- | .040 | <.010 | 3.90 | <.100 |

07075638 GREERS FERRY LAKE AT HIGDEN, AR
(LAT 35 33 48 LONG 092 11 48)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1335 | 9 | 80513 | 80513 | .00 | 130 | -- | -- | 4.0 | -- | 63.6 |
| 14... | 1336 | 9 | 80513 | 80010 | 3.00 | 130 | -- | -- | -- | -- | -- |
| 14... | 1340 | 9 | 80513 | 80010 | 26.0 | 130 | 48 | 7.2 | -- | 8.0 | -- |
| 14... | 1345 | 9 | 80513 | 80010 | 104 | 130 | 57 | 7.0 | -- | 9.0 | -- |
| MAY | | | | | | | | | | | |
| 15... | 1250 | 9 | 80513 | 80513 | .00 | 145 | -- | -- | 20.5 | -- | 84.0 |
| 15... | 1251 | 9 | 80513 | 80010 | 3.00 | 145 | -- | -- | -- | -- | -- |
| 15... | 1255 | 9 | 80513 | 80010 | 29.0 | 145 | 30 | 7.4 | -- | 16.0 | -- |
| 15... | 1300 | 9 | 80513 | 80010 | 116 | 145 | 88 | 7.1 | -- | 8.0 | -- |
| AUG | | | | | | | | | | | |
| 21... | 1130 | 9 | 80513 | 80513 | .00 | 131 | -- | -- | 28.5 | -- | 200 |
| 21... | 1131 | 9 | 80513 | 80010 | 3.00 | 131 | -- | -- | -- | -- | -- |
| 21... | 1135 | 9 | 80513 | 80010 | 26.0 | 131 | 36 | 7.6 | -- | 26.5 | -- |
| 21... | 1140 | 9 | 80513 | 80010 | 105 | 131 | 49 | 7.1 | -- | 10.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 14... | 1335 | 1.60 | -- | -- | 742 | -- | -- | -- | 3 | -- | -- |
| 14... | 1336 | -- | -- | -- | 742 | -- | -- | -- | -- | -- | -- |
| 14... | 1340 | -- | 10.4 | 90 | 742 | 4 | 7.5 | .8 | 3 | 19 | 3 |
| 14... | 1345 | -- | 9.0 | 80 | 742 | 18 | 25 | 1.1 | -- | 23 | 5 |
| MAY | | | | | | | | | | | |
| 15... | 1250 | 2.10 | -- | -- | 759 | -- | -- | -- | 1 | -- | -- |
| 15... | 1251 | -- | -- | -- | 759 | -- | -- | -- | -- | -- | -- |
| 15... | 1255 | -- | 8.7 | 88 | 759 | 5 | 5.0 | 1.0 | -- | -- | -- |
| 15... | 1300 | -- | 7.7 | 65 | 759 | 5 | 5.1 | .7 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 21... | 1130 | 5.1 | -- | -- | 753 | -- | -- | -- | 2 | -- | -- |
| 21... | 1131 | -- | -- | -- | 753 | -- | -- | -- | -- | -- | -- |
| 21... | 1135 | -- | 7.3 | 92 | 753 | 2 | 1.0 | 1.1 | -- | -- | -- |
| 21... | 1140 | -- | .2 | 2 | 753 | 2 | 6.5 | .9 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1340 | 3 | 5.8 | 14 | 1.0 | 16 | 4.0 | 4.1 | .100 | .200 |
| 14... | 1345 | 5 | 7.3 | 18 | 1.1 | 18 | 5.0 | 3.6 | .200 | .120 |
| MAY | | | | | | | | | | |
| 15... | 1255 | -- | -- | -- | -- | 13 | -- | -- | .200 | .230 |
| 15... | 1300 | -- | -- | -- | -- | 14 | -- | -- | .200 | .250 |
| AUG | | | | | | | | | | |
| 21... | 1135 | -- | -- | -- | -- | 11 | -- | -- | <.100 | -- |
| 21... | 1140 | -- | -- | -- | -- | 18 | -- | -- | .200 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1336 | -- | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 14... | 1340 | .00 | .20 | .30 | .020 | <.010 | 340 | 270 | -- | -- |
| 14... | 1345 | .18 | .30 | .50 | .030 | <.010 | 850 | 200 | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1251 | -- | -- | -- | -- | -- | -- | -- | .600 | <.100 |
| 15... | 1255 | 2.5 | 2.7 | 2.9 | <.010 | <.010 | -- | -- | -- | -- |
| 15... | 1300 | 2.1 | 2.3 | 2.5 | <.010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 21... | 1131 | -- | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| 21... | 1135 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 21... | 1140 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, AR
(LAT 35 30 12 LONG 092 05 32)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1130 | 9 | 80513 | 80513 | .00 | 60.0 | -- | -- | 3.0 | -- |
| 14... | 1131 | 9 | 80513 | 80010 | 3.00 | 60.0 | -- | -- | -- | -- |
| 14... | 1135 | 9 | 80513 | 80010 | 12.0 | 60.0 | 42 | 6.9 | -- | 10.0 |
| 14... | 1140 | 9 | 80513 | 80010 | 48.0 | 60.0 | 42 | 7.0 | -- | 10.0 |
| MAY | | | | | | | | | | |
| 15... | 1010 | 9 | 80513 | 80513 | .00 | 75.0 | -- | -- | 15.5 | -- |
| 15... | 1011 | 9 | 80513 | 80010 | 3.00 | 75.0 | -- | -- | -- | -- |
| 15... | 1015 | 9 | 80513 | 80010 | 15.0 | 75.0 | 32 | 7.6 | -- | 16.5 |
| 15... | 1020 | 9 | 80513 | 80010 | 60.0 | 75.0 | 33 | 7.5 | -- | 12.0 |
| AUG | | | | | | | | | | |
| 21... | 0940 | 9 | 80513 | 80513 | .00 | 55.0 | -- | -- | 28.0 | -- |
| 21... | 0941 | 9 | 80513 | 80010 | 3.00 | 55.0 | -- | -- | -- | -- |
| 21... | 0945 | 9 | 80513 | 80010 | 11.0 | 55.0 | 36 | 7.6 | -- | 27.0 |
| 21... | 0950 | 9 | 80513 | 80010 | 44.0 | 55.0 | 37 | 7.0 | -- | 15.0 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1130 | 81.6 | 2.10 | -- | -- | 742 | -- | -- | -- | 4 |
| 14... | 1131 | -- | -- | -- | -- | 742 | -- | -- | -- | -- |
| 14... | 1135 | -- | -- | 9.5 | 86 | 742 | 2 | 4.4 | -- | -- |
| 14... | 1140 | -- | -- | 9.5 | 86 | 742 | 6 | 6.1 | -- | -- |
| MAY | | | | | | | | | | |
| 15... | 1010 | 69.6 | 1.80 | -- | -- | 759 | -- | -- | -- | 1 |
| 15... | 1011 | -- | -- | -- | -- | 759 | -- | -- | -- | -- |
| 15... | 1015 | -- | -- | 9.1 | 94 | 759 | 5 | 3.1 | 1.0 | -- |
| 15... | 1020 | -- | -- | 8.6 | 80 | 759 | 3 | 4.0 | .8 | -- |
| AUG | | | | | | | | | | |
| 21... | 0940 | 136 | 3.4 | -- | -- | 753 | -- | -- | -- | 4 |
| 21... | 0941 | -- | -- | -- | -- | 753 | -- | -- | -- | -- |
| 21... | 0945 | -- | -- | 7.7 | 98 | 753 | 1 | 1.2 | .8 | -- |
| 21... | 0950 | -- | -- | 2.8 | 28 | 753 | 1 | 1.0 | .6 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 14... | 1135 | 14 | 2 | 2 | 4.3 | 11 | .90 | 12 | 3.0 | -- |
| 14... | 1140 | 14 | 0 | 0 | 4.0 | 10 | .90 | 13 | 3.9 | -- |
| MAY | | | | | | | | | | |
| 15... | 1015 | -- | -- | -- | -- | -- | -- | 15 | -- | .200 |
| 15... | 1020 | -- | -- | -- | -- | -- | -- | 12 | -- | .200 |
| AUG | | | | | | | | | | |
| 21... | 0945 | -- | -- | -- | -- | -- | -- | 12 | -- | <.100 |
| 21... | 0950 | -- | -- | -- | -- | -- | -- | 12 | -- | .200 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, AR--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 14... | 1131 | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| MAY | | | | | | | | | |
| 15... | 1011 | -- | -- | -- | -- | -- | -- | .400 | <.100 |
| 15... | 1015 | .350 | 2.4 | 2.7 | 2.9 | <.010 | <.010 | -- | -- |
| 15... | 1020 | .340 | 3.4 | 3.7 | 3.9 | <.010 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 21... | 0941 | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 21... | 0945 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |
| 21... | 0950 | -- | -- | -- | -- | <.010 | <.010 | -- | -- |

ARKANSAS RIVER BASIN

07247095 BLACK FORK AT BLACK FORK, AR
(LAT 34 45 43 LONG 094 25 52)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | | |
| 13... | 1100 | 9 | 80513 | 80010 | .02 | 51 | 6.7 | 29.0 | 6.0 | 765 | 3.2 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1100 | 1.7 | 3.1 | 1.1 | 10 | 3.0 | <.10 | 5.9 | 39 | .11 |

| DATE | TIME | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1100 | 70 | 3 | 2 | 100 | <10 | <20 | <20 | 1 | 10 |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1100 | 4 | <1 | 1500 | 360 | 3 | <10 | 250 | <.1 | <1 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07247095 BLACK FORK AT BLACK FORK, AR--CONTINUED

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1100 | <1 | <1 | <1 | 50 | 40 | .0 | 2.7 | 14 | 58 |

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, AR
(LAT 35 07 37 LONG 093 48 35)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0815 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | .0 | -- |
| 06... | 0820 | 9 | 80513 | 80010 | 3.00 | 6.0 | 63 | 6.7 | -- | 7.5 |
| MAY | | | | | | | | | | |
| 07... | 1750 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 21.0 | -- |
| 07... | 1751 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- |
| 07... | 1755 | 9 | 80513 | 80010 | 5.00 | 10.0 | 64 | 6.8 | -- | 17.5 |
| AUG | | | | | | | | | | |
| 28... | 0900 | 9 | 80513 | 80513 | .00 | 3.0 | -- | -- | 25.0 | -- |
| 28... | 0905 | 9 | 80513 | 80010 | 1.50 | 3.0 | 106 | 6.9 | -- | 23.5 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0815 | 4.8 | .10 | -- | -- | 757 | -- | -- | -- | 240 |
| 06... | 0820 | -- | -- | 10.4 | 87 | 757 | 80 | 45 | 2.1 | -- |
| MAY | | | | | | | | | | |
| 07... | 1750 | 12.0 | .30 | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1751 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1755 | -- | -- | 8.1 | 85 | 758 | 40 | 40 | 2.1 | -- |
| AUG | | | | | | | | | | |
| 28... | 0900 | 14.4 | .40 | -- | -- | 760 | -- | -- | -- | 57 |
| 28... | 0905 | -- | -- | 5.0 | 59 | 760 | 3 | 4.5 | 1.9 | -- |

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0820 | 16 | 5 | 5 | 2.9 | 7.0 | 2.1 | 11 | 6.4 | -- |
| MAY | | | | | | | | | | |
| 07... | 1755 | -- | -- | -- | -- | -- | -- | 16 | -- | .200 |
| AUG | | | | | | | | | | |
| 28... | 0905 | -- | -- | -- | -- | -- | -- | 41 | -- | <.100 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, AR--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC 06... | 0820 | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| MAY 07... | 1751 | -- | -- | -- | -- | -- | -- | 3.50 | <.100 |
| 07... | 1755 | .210 | .59 | .80 | 1.0 | .080 | .050 | -- | -- |
| AUG 28... | 0905 | -- | -- | -- | -- | .020 | <.010 | 1.80 | <.100 |

07258680 SUGAR CREEK NEAR BOONEVILLE, AR
(LAT 35 02 05 LONG 093 50 47)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1425 | 9 | 80513 | 80010 | .03 | 57 | 6.8 | 31.0 | 7.5 | 765 | 2.3 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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 13... | 1425 | 1.9 | 3.4 | 1.3 | 11 | 10 | 4.7 | <.10 | 7.4 | 46 | 38 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1425 | <.10 | 30 | <1 | 2 | <100 | <10 | 50 | <20 | 1 | 10 |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1425 | 1 | <1 | 980 | 500 | 1 | <10 | 50 | .2 | <1 |

| DATE | TIME | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077) | STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDIMENT, SUSPENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1425 | <1 | <1 | <1 | 40 | 10 | .0 | 2.8 | 9 | 40 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR
(LAT 35 04 41 LONG 093 49 05)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0715 | 9 | 80513 | 80513 | .00 | 8.0 | -- | -- | -.5 | -- |
| 06... | 0716 | 9 | 80513 | 80010 | 3.00 | 8.0 | -- | -- | -- | -- |
| 06... | 0720 | 9 | 80513 | 80010 | 4.00 | 8.0 | 32 | 6.5 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 07... | 1650 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 20.0 | -- |
| 07... | 1655 | 9 | 80513 | 80010 | 2.00 | 4.0 | 28 | 6.5 | -- | 15.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0715 | 38.4 | 1.00 | -- | -- | 756 | -- | -- | -- | 66 |
| 06... | 0716 | -- | -- | -- | -- | 756 | -- | -- | -- | -- |
| 06... | 0720 | -- | -- | 10.4 | 91 | 756 | 25 | 11 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1650 | 30.0 | .80 | -- | -- | 758 | -- | -- | -- | K530 |
| 07... | 1655 | -- | -- | -- | -- | 758 | 20 | 10 | 1.0 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 06... | 0720 | 8 | 3 | 3 | 1.3 | 3.0 | 1.1 | 5 | 4.1 |
| MAY | | | | | | | | | |
| 07... | 1655 | -- | -- | -- | -- | -- | -- | 6 | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 06... | 0716 | -- | -- | -- | -- | -- | -- | .100 | <.100 |
| MAY | | | | | | | | | |
| 07... | 1655 | <.100 | .310 | .09 | .40 | <.010 | <.010 | .100 | <.100 |

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR
(LAT 35 05 50 LONG 093 48 08)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 0740 | 9 | 80513 | 80513 | .00 | 15.0 | -- | -- | -.5 | -- | 18.0 |
| 06... | 0745 | 9 | 80513 | 80010 | 3.00 | 15.0 | 56 | 6.8 | -- | 8.0 | -- |
| 06... | 0750 | 9 | 80513 | 80010 | 12.0 | 15.0 | 61 | 6.5 | -- | 7.5 | -- |
| MAY | | | | | | | | | | | |
| 07... | 1720 | 9 | 80513 | 80513 | .00 | 28.0 | -- | -- | 20.0 | -- | 12.0 |
| 07... | 1721 | 9 | 80513 | 80010 | 3.00 | 28.0 | -- | -- | -- | -- | -- |
| 07... | 1725 | 9 | 80513 | 80010 | 5.50 | 28.0 | 62 | 6.8 | -- | 17.5 | -- |
| 07... | 1730 | 9 | 80513 | 80010 | 22.5 | 28.0 | 44 | 6.6 | -- | 17.0 | -- |
| AUG | | | | | | | | | | | |
| 28... | 0800 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 24.0 | -- | 19.2 |
| 28... | 0801 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 28... | 0805 | 9 | 80513 | 80010 | 2.50 | 12.0 | 78 | 6.8 | -- | 25.0 | -- |
| 28... | 0810 | 9 | 80513 | 80010 | 9.50 | 12.0 | 112 | 6.5 | -- | 23.5 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 06... | 0740 | .50 | -- | -- | 757 | -- | -- | -- | K1700 | -- | -- |
| 06... | 0745 | -- | 10.2 | 87 | 757 | 80 | 45 | 2.0 | -- | 14 | 3 |
| 06... | 0750 | -- | 10.4 | 87 | 757 | 80 | 50 | 1.7 | -- | 15 | 5 |
| MAY | | | | | | | | | | | |
| 07... | 1720 | .30 | -- | -- | 758 | -- | -- | -- | K450 | -- | -- |
| 07... | 1721 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 07... | 1725 | -- | 7.9 | 83 | 758 | -- | 20 | 1.5 | -- | -- | -- |
| 07... | 1730 | -- | 8.3 | 86 | 758 | 30 | 16 | 1.8 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 28... | 0800 | .50 | -- | -- | 760 | -- | -- | -- | 12 | -- | -- |
| 28... | 0801 | -- | -- | -- | 760 | -- | -- | -- | -- | -- | -- |
| 28... | 0805 | -- | 5.8 | 70 | 760 | 5 | 5.0 | 2.2 | -- | -- | -- |
| 28... | 0810 | -- | .1 | 1 | 760 | 5 | 25 | 2.2 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0745 | 3 | 2.6 | 6.0 | 1.9 | 11 | 7.0 | 6.9 | .300 | .050 |
| 06... | 0750 | 5 | 2.7 | 7.0 | 2.1 | 10 | 8.0 | 6.0 | .400 | .080 |
| MAY | | | | | | | | | | |
| 07... | 1725 | -- | -- | -- | -- | 14 | -- | -- | .100 | .080 |
| 07... | 1730 | -- | -- | -- | -- | 10 | -- | -- | <.100 | .080 |
| AUG | | | | | | | | | | |
| 28... | 0805 | -- | -- | -- | -- | 27 | -- | -- | <.100 | -- |
| 28... | 0810 | -- | -- | -- | -- | 35 | -- | -- | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 06... | 0745 | .65 | .70 | 1.0 | .070 | .050 | 2700 | 80 | .700 | <.100 |
| 06... | 0750 | 1.2 | 1.3 | 1.7 | .080 | .050 | 2900 | 90 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1721 | -- | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 07... | 1725 | .52 | .60 | .70 | .050 | .020 | -- | -- | -- | -- |
| 07... | 1730 | .52 | .60 | -- | .020 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 28... | 0801 | -- | -- | -- | -- | -- | -- | -- | 2.00 | <.100 |
| 28... | 0805 | -- | -- | -- | .020 | <.010 | -- | -- | -- | -- |
| 28... | 0810 | -- | -- | -- | .030 | <.010 | -- | -- | -- | -- |

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR
(LAT 35 06 14 LONG 093 42 26)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1655 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 10.0 | -- |
| 05... | 1700 | 9 | 80513 | 80010 | 3.00 | 6.0 | 86 | 7.0 | -- | 9.0 |
| MAY | | | | | | | | | | |
| 08... | 0930 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 13.0 | -- |
| 08... | 0935 | 9 | 80513 | 80010 | 2.00 | 4.0 | 54 | 6.7 | -- | 17.0 |
| AUG | | | | | | | | | | |
| 27... | 1630 | 9 | 80513 | 80513 | .00 | 8.0 | -- | -- | 41.0 | -- |
| 27... | 1631 | 9 | 80513 | 80010 | 3.00 | 8.0 | -- | -- | -- | -- |
| 27... | 1635 | 9 | 80513 | 80010 | 4.00 | 8.0 | 68 | 7.2 | -- | 27.5 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1655 | 18.0 | .50 | -- | -- | 749 | -- | -- | -- | 78 |
| 05... | 1700 | -- | -- | 10.0 | 88 | 749 | 40 | 16 | -- | -- |
| MAY | | | | | | | | | | |
| 08... | 0930 | 7.2 | .20 | -- | -- | 768 | -- | -- | -- | K700 |
| 08... | 0935 | -- | -- | 8.0 | 82 | 768 | 50 | 27 | 2.0 | -- |
| AUG | | | | | | | | | | |
| 27... | 1630 | 9.6 | .20 | -- | -- | 760 | -- | -- | -- | 7 |
| 27... | 1631 | -- | -- | -- | -- | 760 | -- | -- | -- | -- |
| 27... | 1635 | -- | -- | 8.8 | 112 | 760 | 4 | 25 | 2.5 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1700 | 24 | 4 | 4 | 3.9 | 10 | 3.5 | 20 | 6.9 | -- |
| MAY | | | | | | | | | | |
| 08... | 0935 | -- | -- | -- | -- | -- | -- | 11 | -- | .100 |
| AUG | | | | | | | | | | |
| 27... | 1635 | -- | -- | -- | -- | -- | -- | 20 | -- | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1700 | -- | -- | -- | -- | -- | -- | .200 | <.100 |
| MAY | | | | | | | | | |
| 08... | 0935 | .100 | .30 | .40 | .50 | .050 | .010 | 2.80 | .700 |
| AUG | | | | | | | | | |
| 27... | 1631 | -- | -- | -- | -- | -- | -- | 1.70 | <.100 |
| 27... | 1635 | -- | -- | -- | -- | .030 | <.010 | -- | -- |

07261400 MILL CREEK NEAR BOLES, AR
(LAT 34 44 14 LONG 094 04 49)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | | |
| 12... | 1615 | 9 | 80513 | 80010 | .01 | 56 | 7.2 | 29.0 | 6.7 | 763 | 3.0 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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 | | | | | | | | | | | |
| 12... | 1615 | 2.3 | 2.2 | 1.2 | <1.0 | 11 | 2.6 | <.10 | 3.3 | 46 | .31 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261400 MILL CREEK NEAR BOLES, AR--CONTINUED

| DATE | TIME | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1615 | 120 | <1 | 1 | <100 | <10 | <20 | <20 | 1 | 10 |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1615 | 2 | 1 | 850 | 220 | 3 | <10 | 100 | .3 | 47 |

| DATE | TIME | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077) | STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDIMENT, SUSPENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1615 | 1 | 1 | <1 | 40 | 10 | .0 | 2.5 | 11 | 30 |

07261600 GAFFORDS CREEK NEAR BLUFFTON, AR
(LAT 34 53 52 LONG 093 36 45)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1645 | 9 | 80513 | 80010 | .05 | 58 | 6.7 | 30.5 | 6.2 | 765 | 2.0 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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 13... | 1645 | 2.0 | 3.5 | 1.4 | 12 | 9.6 | 2.6 | <.10 | 7.9 | 38 | 36 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 13... | 1645 | <.10 | 100 | <1 | 1 | 100 | <10 | 150 | <20 | 1 | 10 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261600 GAFFORDS CREEK NEAR BLUFFTON, AR--CONTINUED

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1645 | 3 | <1 | 510 | 190 | 2 | <10 | 140 | <.1 | <1 |

| DATE | TIME | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077) | STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDIMENT, SUSPENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 13... | 1645 | <1 | <1 | <1 | 60 | 30 | .0 | 1.1 | 13 | 44 |

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR
(LAT 34 55 36 LONG 093 24 36)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1500 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 16.0 | -- | 12.0 |
| 05... | 1505 | 9 | 80513 | 80010 | 2.00 | 10.0 | 33 | 6.4 | -- | 9.5 | -- |
| 05... | 1506 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 05... | 1510 | 9 | 80513 | 80010 | 8.00 | 10.0 | 33 | 6.7 | -- | 9.5 | -- |
| MAY | | | | | | | | | | | |
| 07... | 1500 | 9 | 80513 | 80513 | .00 | 36.0 | -- | -- | 17.0 | -- | 14.4 |
| 07... | 1501 | 9 | 80513 | 80010 | 3.00 | 36.0 | -- | -- | -- | -- | -- |
| 07... | 1505 | 9 | 80513 | 80010 | 18.0 | 36.0 | 30 | 6.5 | -- | 16.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1500 | .30 | -- | -- | 749 | -- | -- | -- | 230 | -- | -- |
| 05... | 1505 | -- | 10.1 | 90 | 749 | 38 | 19 | 1.5 | -- | 8 | 0 |
| 05... | 1506 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 05... | 1510 | -- | 10.1 | 90 | 749 | 42 | 20 | 1.5 | -- | 8 | 2 |
| MAY | | | | | | | | | | | |
| 07... | 1500 | .40 | -- | -- | 758 | -- | -- | -- | K210 | -- | -- |
| 07... | 1501 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 07... | 1505 | -- | 8.2 | 84 | 758 | 20 | 9.5 | 1.6 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1505 | 0 | 1.3 | 3.0 | 1.1 | 7 | 3.0 | 3.9 | .300 | .020 |
| 05... | 1510 | 2 | 1.4 | 3.5 | 1.2 | 6 | 4.0 | 3.9 | .300 | .020 |
| MAY | | | | | | | | | | |
| 07... | 1505 | -- | -- | -- | -- | 8 | -- | -- | .100 | .080 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR--CONTINUED

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1505 | .48 | .50 | .80 | .030 | .010 | 760 | 30 | -- | -- |
| 05... | 1506 | -- | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| 05... | 1510 | .88 | .90 | 1.2 | .020 | .020 | 2000 | -- | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1501 | -- | -- | -- | -- | -- | -- | -- | 1.10 | <.100 |
| 07... | 1505 | .22 | .30 | .40 | .030 | <.010 | -- | -- | -- | -- |

07261880 NIMROD LAKE AT PLAINVIEW, AR
(LAT 34 59 03 LONG 093 18 36)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1415 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 15.5 | -- |
| 05... | 1420 | 9 | 80513 | 80010 | 1.00 | 2.0 | 48 | 6.4 | -- | 9.5 |
| MAY | | | | | | | | | | |
| 07... | 1430 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 17.0 | -- |
| 07... | 1435 | 9 | 80513 | 80010 | 2.00 | 4.0 | 66 | 6.7 | -- | 17.0 |
| AUG | | | | | | | | | | |
| 27... | 1230 | 9 | 80513 | 80513 | .00 | 2.0 | -- | -- | 31.0 | -- |
| 27... | 1235 | 9 | 80513 | 80010 | 1.00 | 2.0 | 52 | 7.0 | -- | 23.5 |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1415 | 15.6 | .40 | -- | -- | 749 | -- | -- | -- | 210 |
| 05... | 1420 | -- | -- | 10.4 | 93 | 749 | 30 | 15 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1430 | 7.2 | .20 | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1435 | -- | -- | 8.3 | 86 | 758 | 70 | 55 | 4.6 | -- |
| AUG | | | | | | | | | | |
| 27... | 1230 | 14.4 | .40 | -- | -- | 762 | -- | -- | -- | 25 |
| 27... | 1235 | -- | -- | 6.6 | 78 | 762 | 4 | 7.3 | 2.2 | -- |

| DATE | TIME | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1420 | 12 | 2 | 2 | 2.0 | 5.0 | 1.7 | 10 | 5.4 | -- |
| MAY | | | | | | | | | | |
| 07... | 1435 | -- | -- | -- | -- | -- | -- | 18 | -- | .200 |
| AUG | | | | | | | | | | |
| 27... | 1235 | -- | -- | -- | -- | -- | -- | 20 | -- | <.100 |

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1420 | -- | -- | -- | -- | -- | -- | .400 | <.100 |
| MAY | | | | | | | | | |
| 07... | 1435 | .300 | .70 | 1.0 | 1.2 | .280 | .220 | 1.60 | .700 |
| AUG | | | | | | | | | |
| 27... | 1235 | -- | -- | -- | -- | .020 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, AR
(LAT 34 57 03 LONG 093 19 24)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1305 | 9 | 80513 | 80513 | .00 | 9.0 | -- | -- | 16.0 | -- | 12.0 |
| 05... | 1306 | 9 | 80513 | 80010 | 3.00 | 9.0 | -- | -- | -- | -- | -- |
| 05... | 1310 | 9 | 80513 | 80010 | 4.50 | 9.0 | 32 | 6.7 | -- | 9.5 | -- |
| MAY | | | | | | | | | | | |
| 07... | 1300 | 9 | 80513 | 80513 | .00 | 36.0 | -- | -- | 17.0 | -- | 24.0 |
| 07... | 1301 | 9 | 80513 | 80010 | 3.00 | 36.0 | -- | -- | -- | -- | -- |
| 07... | 1305 | 9 | 80513 | 80010 | 18.0 | 36.0 | 28 | 6.5 | -- | 16.0 | -- |
| AUG | | | | | | | | | | | |
| 27... | 1100 | 9 | 80513 | 80513 | .00 | 13.0 | -- | -- | 32.0 | -- | 16.8 |
| 27... | 1101 | 9 | 80513 | 80010 | 3.00 | 13.0 | -- | -- | -- | -- | -- |
| 27... | 1105 | 9 | 80513 | 80010 | 6.50 | 13.0 | 38 | 6.7 | -- | 24.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 05... | 1305 | .30 | -- | -- | 749 | -- | -- | -- | 620 | -- | -- |
| 05... | 1306 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 05... | 1310 | -- | 9.5 | 85 | 749 | 50 | 30 | 1.6 | -- | 8 | 2 |
| MAY | | | | | | | | | | | |
| 07... | 1300 | .60 | -- | -- | 758 | -- | -- | -- | 150 | -- | -- |
| 07... | 1301 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 07... | 1305 | -- | 8.2 | 84 | 758 | 30 | 14 | 1.5 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 27... | 1100 | .40 | -- | -- | 765 | -- | -- | -- | 0 | -- | -- |
| 27... | 1101 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 27... | 1105 | -- | 5.6 | 67 | 765 | 4 | 15 | 4.3 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1310 | 2 | 1.3 | 3.0 | 1.1 | 6 | 3.0 | 3.4 | .200 | .030 |
| MAY | | | | | | | | | | |
| 07... | 1305 | -- | -- | -- | -- | 7 | -- | -- | .100 | .030 |
| AUG | | | | | | | | | | |
| 27... | 1105 | -- | -- | -- | -- | 12 | -- | -- | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1306 | -- | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 05... | 1310 | 1.3 | 1.3 | 1.5 | .070 | .030 | 1600 | 60 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1301 | -- | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| 07... | 1305 | .37 | .40 | .50 | .010 | <.010 | -- | -- | -- | -- |
| AUG | | | | | | | | | | |
| 27... | 1105 | -- | -- | -- | .040 | .010 | -- | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE CREEK, AR
(LAT 34 56 54 LONG 093 17 12)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1235 | 9 | 80513 | 80513 | .00 | 9.0 | -- | -- | 15.5 | -- |
| 05... | 1236 | 9 | 80513 | 80010 | 3.00 | 9.0 | -- | -- | -- | -- |
| 05... | 1240 | 9 | 80513 | 80010 | 4.50 | 9.0 | 31 | 6.9 | -- | 8.5 |
| MAY | | | | | | | | | | |
| 07... | 1235 | 9 | 80513 | 80513 | .00 | 18.0 | -- | -- | 18.0 | -- |
| 07... | 1236 | 9 | 80513 | 80010 | 3.00 | 18.0 | -- | -- | -- | -- |
| 07... | 1240 | 9 | 80513 | 80010 | 9.00 | 18.0 | 28 | 6.2 | -- | 16.5 |
| AUG | | | | | | | | | | |
| 27... | 1030 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 30.0 | -- |
| 27... | 1035 | 9 | 80513 | 80010 | 3.00 | 6.0 | 36 | 6.8 | -- | 24.5 |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1235 | 12.0 | .30 | -- | -- | 748 | -- | -- | -- | 770 |
| 05... | 1236 | -- | -- | -- | -- | 748 | -- | -- | -- | -- |
| 05... | 1240 | -- | -- | 9.6 | 84 | 748 | 55 | 31 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1235 | 19.2 | .50 | -- | -- | 758 | -- | -- | -- | 20 |
| 07... | 1236 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1240 | -- | -- | 8.1 | 83 | 758 | 50 | 17 | 2.5 | -- |
| AUG | | | | | | | | | | |
| 27... | 1030 | 7.2 | .20 | -- | -- | 764 | -- | -- | -- | 1 |
| 27... | 1035 | -- | -- | 6.7 | 80 | 764 | 2 | 25 | 2.8 | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1240 | 8 | 0 | 0 | 1.4 | 4.0 | 1.1 | 9 | 3.9 |
| MAY | | | | | | | | | |
| 07... | 1240 | -- | -- | -- | -- | -- | -- | 6 | -- |
| AUG | | | | | | | | | |
| 27... | 1035 | -- | -- | -- | -- | -- | -- | 12 | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1236 | -- | -- | -- | -- | -- | -- | 8.10 | 1.30 |
| MAY | | | | | | | | | |
| 07... | 1236 | -- | -- | -- | -- | -- | -- | 3.90 | .900 |
| 07... | 1240 | <.100 | .060 | .44 | .50 | .020 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 27... | 1035 | <.100 | -- | -- | -- | .030 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, AR
(LAT 34 57 22 LONG 093 14 56)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1140 | 9 | 80513 | 80513 | .00 | 9.0 | -- | -- | 15.5 | -- |
| 05... | 1141 | 9 | 80513 | 80010 | 3.00 | 9.0 | -- | -- | -- | -- |
| 05... | 1145 | 9 | 80513 | 80010 | 4.50 | 9.0 | 38 | 6.5 | -- | 8.0 |
| MAY | | | | | | | | | | |
| 07... | 1100 | 9 | 80513 | 80513 | .00 | 14.0 | -- | -- | 18.0 | -- |
| 07... | 1101 | 9 | 80513 | 80010 | 3.00 | 14.0 | -- | -- | -- | -- |
| 07... | 1105 | 9 | 80513 | 80010 | 7.00 | 14.0 | 32 | 6.6 | -- | 19.0 |
| AUG | | | | | | | | | | |
| 27... | 1000 | 9 | 80513 | 80513 | .00 | 4.0 | -- | -- | 29.0 | -- |
| 27... | 1005 | 9 | 80513 | 80010 | 2.00 | 4.0 | 38 | 6.6 | -- | 23.0 |
| 27... | 1006 | 9 | 80513 | 80010 | 3.00 | 4.0 | -- | -- | -- | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (IN) (00077) | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 05... | 1140 | 14.4 | .40 | -- | -- | 749 | -- | -- | -- | 160 |
| 05... | 1141 | -- | -- | -- | -- | 749 | -- | -- | -- | -- |
| 05... | 1145 | -- | -- | 10.2 | 88 | 749 | 30 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 07... | 1100 | 30.0 | .80 | -- | -- | 758 | -- | -- | -- | 41 |
| 07... | 1101 | -- | -- | -- | -- | 758 | -- | -- | -- | -- |
| 07... | 1105 | -- | -- | 8.2 | 89 | 758 | -- | 8.5 | 1.9 | -- |
| AUG | | | | | | | | | | |
| 27... | 1000 | 19.2 | .50 | -- | -- | 764 | -- | -- | -- | 4 |
| 27... | 1005 | -- | -- | 5.7 | 66 | 764 | 3 | 14 | 2.4 | -- |
| 27... | 1006 | -- | -- | -- | -- | 764 | -- | -- | -- | -- |

| DATE | TIME | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1145 | 9 | 0 | 0 | 1.6 | 4.0 | 1.3 | 10 | 3.9 |
| MAY | | | | | | | | | |
| 07... | 1105 | -- | -- | -- | -- | -- | -- | 8 | -- |
| AUG | | | | | | | | | |
| 27... | 1005 | -- | -- | -- | -- | -- | -- | 12 | -- |

| DATE | TIME | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | 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) |
|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | |
| 05... | 1141 | -- | -- | -- | -- | -- | -- | 4.60 | 1.20 |
| MAY | | | | | | | | | |
| 07... | 1101 | -- | -- | -- | -- | -- | -- | 13.0 | <.100 |
| 07... | 1105 | <.100 | .080 | .52 | .60 | .040 | <.010 | -- | -- |
| AUG | | | | | | | | | |
| 27... | 1005 | <.100 | -- | -- | -- | .040 | <.010 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, AR
(LAT 34 09 49 LONG 094 24 18)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0840 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 5.0 | -- | 48.0 |
| 13... | 0841 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 13... | 0845 | 9 | 80513 | 80010 | 6.00 | 12.0 | 33 | 7.3 | -- | 9.0 | -- |
| MAY | | | | | | | | | | | |
| 08... | 1500 | 9 | 80513 | 80513 | .00 | 22.0 | -- | -- | 22.0 | -- | 45.6 |
| 08... | 1501 | 9 | 80513 | 80010 | 3.00 | 22.0 | -- | -- | -- | -- | -- |
| 08... | 1505 | 9 | 80513 | 80010 | 11.0 | 22.0 | 34 | 6.7 | -- | -- | -- |
| AUG | | | | | | | | | | | |
| 28... | 1630 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 37.0 | -- | 36.0 |
| 28... | 1631 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 28... | 1635 | 9 | 80513 | 80010 | 5.00 | 10.0 | 54 | 7.0 | -- | 27.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0840 | 1.20 | -- | -- | 747 | -- | -- | -- | K460 | -- | -- |
| 13... | 0841 | -- | -- | -- | 747 | -- | -- | -- | -- | -- | -- |
| 13... | 0845 | -- | 10.9 | 96 | 747 | 17 | 8.6 | .6 | -- | 7 | 0 |
| MAY | | | | | | | | | | | |
| 08... | 1500 | 1.20 | -- | -- | 765 | -- | -- | -- | 78 | -- | -- |
| 08... | 1501 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 08... | 1505 | -- | 9.2 | -- | 765 | 15 | 6.3 | 1.8 | -- | 10 | 2 |
| AUG | | | | | | | | | | | |
| 28... | 1630 | .90 | -- | -- | 761 | -- | -- | -- | 3 | -- | -- |
| 28... | 1631 | -- | -- | -- | 761 | -- | -- | -- | -- | -- | -- |
| 28... | 1635 | -- | 9.9 | 125 | 761 | 3 | 2.3 | 2.4 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0845 | 0 | 1.5 | 4.0 | .80 | .9 | 7 | 5.0 | 4.3 | .500 |
| MAY | | | | | | | | | | |
| 08... | 1505 | 2 | 2.7 | 7.0 | .80 | .8 | 8 | 3.6 | 2.2 | .300 |
| AUG | | | | | | | | | | |
| 28... | 1635 | -- | -- | -- | -- | -- | 13 | 3.2 | 3.6 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0845 | .080 | .12 | .20 | .70 | .040 | .020 | 290 | 1 | 10 |
| MAY | | | | | | | | | | |
| 08... | 1505 | .050 | .15 | .20 | .50 | .030 | .020 | 200 | <1 | <10 |
| AUG | | | | | | | | | | |
| 28... | 1635 | -- | -- | -- | -- | .050 | .010 | 110 | 1 | 10 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, AR--CONTINUED

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECO - ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0841 | -- | -- | -- | -- | -- | -- | -- | .500 | <.100 |
| 13... | 0845 | 3 | 480 | 6 | 10 | <.1 | 1 | 90 | -- | -- |
| MAY | | | | | | | | | | |
| 08... | 1501 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 08... | 1505 | <1 | 440 | <1 | 10 | .1 | 2 | <10 | -- | -- |
| AUG | | | | | | | | | | |
| 28... | 1631 | -- | -- | -- | -- | -- | -- | -- | 4.00 | <.100 |
| 28... | 1635 | 1 | 280 | 2 | 20 | <.1 | 2 | 10 | -- | -- |

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, AR
(LAT 34 07 07 LONG 094 23 10)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0915 | 9 | 80513 | 80513 | .00 | 50.0 | -- | -- | 5.0 | -- | 18.0 |
| 13... | 0916 | 9 | 80513 | 80010 | 3.00 | 50.0 | -- | -- | -- | -- | -- |
| 13... | 0920 | 9 | 80513 | 80010 | 10.0 | 50.0 | 40 | 7.2 | -- | 10.5 | -- |
| 13... | 0925 | 9 | 80513 | 80010 | 40.0 | 50.0 | 40 | 7.2 | -- | 10.5 | -- |
| MAY | | | | | | | | | | | |
| 08... | 1715 | 9 | 80513 | 80513 | .00 | 58.0 | -- | -- | 22.0 | -- | 31.2 |
| 08... | 1716 | 9 | 80513 | 80010 | 3.00 | 58.0 | -- | -- | -- | -- | -- |
| 08... | 1720 | 9 | 80513 | 80010 | 11.5 | 58.0 | 32 | 6.9 | -- | 19.0 | -- |
| 08... | 1725 | 9 | 80513 | 80010 | 41.5 | 58.0 | 30 | 6.5 | -- | 15.0 | -- |
| AUG | | | | | | | | | | | |
| 28... | 1600 | 9 | 80513 | 80513 | .00 | 46.0 | -- | -- | 37.0 | -- | 67.2 |
| 28... | 1601 | 9 | 80513 | 80010 | 3.00 | 46.0 | -- | -- | -- | -- | -- |
| 28... | 1605 | 9 | 80513 | 80010 | 9.00 | 46.0 | 36 | 7.5 | -- | 25.5 | -- |
| 28... | 1610 | 9 | 80513 | 80010 | 37.0 | 46.0 | 64 | 6.3 | -- | 17.0 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 0915 | .50 | -- | -- | 747 | -- | -- | -- | 320 | -- | -- |
| 13... | 0916 | -- | -- | -- | 747 | -- | -- | -- | -- | -- | -- |
| 13... | 0920 | -- | 9.0 | 82 | 747 | 23 | 16 | 1.4 | -- | 9 | 0 |
| 13... | 0925 | -- | 8.8 | 80 | 747 | 22 | 16 | 1.1 | -- | 8 | 0 |
| MAY | | | | | | | | | | | |
| 08... | 1715 | .80 | -- | -- | 765 | -- | -- | -- | 9 | -- | -- |
| 08... | 1716 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 08... | 1720 | -- | 9.3 | 100 | 765 | 10 | 4.1 | 2.7 | -- | 7 | 0 |
| 08... | 1725 | -- | 7.4 | 73 | 765 | 28 | 14 | 2.1 | -- | 7 | 0 |
| AUG | | | | | | | | | | | |
| 28... | 1600 | 1.70 | -- | -- | 761 | -- | -- | -- | K9 | -- | -- |
| 28... | 1601 | -- | -- | -- | 761 | -- | -- | -- | -- | -- | -- |
| 28... | 1605 | -- | 7.7 | 94 | 761 | 3 | 1.0 | 2.2 | -- | -- | -- |
| 28... | 1610 | -- | .7 | 7 | 761 | 95 | 4.0 | .9 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0920 | 0 | 2.1 | 5.0 | .90 | 9 | 2.0 | 3.6 | .300 | .130 |
| 13... | 0925 | 0 | 1.9 | 5.0 | .80 | 9 | 3.0 | 4.1 | .300 | .140 |
| MAY | | | | | | | | | | |
| 08... | 1720 | 0 | 1.8 | 5.0 | .70 | 9 | 3.8 | 1.8 | .100 | .060 |
| 08... | 1725 | 0 | 1.8 | 5.0 | .70 | 8 | 3.8 | 1.6 | .200 | .150 |
| AUG | | | | | | | | | | |
| 28... | 1605 | -- | -- | -- | -- | 12 | -- | 3.8 | <.100 | -- |
| 28... | 1610 | -- | -- | -- | -- | 18 | -- | 3.0 | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 0916 | -- | -- | -- | -- | -- | -- | -- | 4.10 | 1.30 |
| 13... | 0920 | .17 | .30 | .60 | .040 | <.010 | 430 | 20 | -- | -- |
| 13... | 0925 | .26 | .40 | .70 | .030 | <.010 | 630 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 08... | 1716 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 08... | 1720 | .34 | .40 | .50 | .010 | <.010 | 170 | <10 | -- | -- |
| 08... | 1725 | .15 | .30 | .50 | .020 | .020 | 380 | <10 | -- | -- |
| AUG | | | | | | | | | | |
| 28... | 1601 | -- | -- | -- | -- | -- | -- | -- | 2.60 | <.100 |
| 28... | 1605 | -- | -- | -- | .010 | <.010 | -- | -- | -- | -- |
| 28... | 1610 | -- | -- | -- | .120 | .100 | -- | -- | -- | -- |

07340290 BRUSHY CREEK NEAR HARTLEY, AR
(LAT 34 26 08 LONG 094 13 45)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 02... | 1330 | 9 | 80513 | 80010 | 127 | 21 | 6.6 | 18.0 | 14.0 | 10.3 | 751 |
| JUL | | | | | | | | | | | |
| 12... | 1025 | 9 | 80513 | 80010 | .02 | 42 | 7.0 | -- | 20.0 | 7.2 | 764 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 02... | 1330 | 2.9 | .80 | 1.0 | .60 | 5.0 | 4.0 | 2.3 | <.10 | 5.8 | 44 |
| JUL | | | | | | | | | | | |
| 12... | 1025 | 1.9 | 1.6 | 2.4 | 1.0 | 9.0 | 10 | 2.4 | <.10 | 11 | 44 |

| DATE | TIME | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | | | | | | | | | | | |
| 02... | 1330 | 20 | <.10 | 130 | <1 | 1 | 100 | <10 | <20 | <20 | 1 |
| JUL | | | | | | | | | | | |
| 12... | 1025 | 36 | .28 | 150 | <1 | 1 | 100 | <10 | <20 | <20 | 1 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340290 BRUSHY CREEK NEAR HARTLEY, AR--CONTINUED

| DATE | TIME | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1330 | 10 | 1 | 5 | 260 | 210 | 47 | 6 | <10 | 20 | <.1 |
| JUL 12... | 1025 | 10 | 2 | 1 | 290 | -- | 59 | 1 | <10 | 20 | <.1 |

| DATE | TIME | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077) | STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDIMENT, SUSPENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1330 | <1 | 2 | <1 | <1 | 30 | <10 | <.4 | 1.5 | 5 | 20 |
| JUL 12... | 1025 | <1 | <1 | <1 | <1 | 50 | 10 | .0 | 1.5 | 14 | 38 |

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(LAT 34 22 46 LONG 094 14 08)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 0900 | 9 | 80513 | 80010 | 37 | 69 | 7.4 | 27.0 | 7.0 | 763 | 7.4 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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 12... | 0900 | 1.8 | 1.9 | .80 | 26 | 11 | 2.3 | <.10 | 6.5 | 50 | 47 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 0900 | <.10 | <10 | <1 | 1 | <100 | <10 | <20 | <20 | 2 | 20 |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 0900 | 1 | 1 | 100 | 36 | 3 | <10 | 20 | <.1 | <1 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR--CONTINUED

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 12... | 0900 | <1 | <1 | <1 | 70 | 10 | .0 | 3.9 | 7 | 34 |

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, AR
(LAT 34 15 46 LONG 094 11 34)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1615 | 9 | 80513 | 80513 | .00 | 32.0 | -- | -- | 10.5 | -- | 26.4 |
| 12... | 1616 | 9 | 80513 | 80010 | 3.00 | 32.0 | -- | -- | -- | -- | -- |
| 12... | 1620 | 9 | 80513 | 80010 | 16.0 | 32.0 | 27 | 7.2 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1045 | 9 | 80513 | 80513 | .00 | 16.0 | -- | -- | 28.0 | -- | 50.4 |
| 09... | 1046 | 9 | 80513 | 80010 | 3.00 | 16.0 | -- | -- | -- | -- | -- |
| 09... | 1050 | 9 | 80513 | 80010 | 8.00 | 16.0 | 38 | 7.1 | -- | 15.0 | -- |
| AUG | | | | | | | | | | | |
| 29... | 0930 | 9 | 80513 | 80513 | .00 | 6.0 | -- | -- | 28.0 | -- | 60.0 |
| 29... | 0935 | 9 | 80513 | 80010 | 3.00 | 6.0 | 50 | 7.0 | -- | 25.0 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1615 | .70 | -- | -- | 749 | -- | -- | -- | 110 | -- |
| 12... | 1616 | -- | -- | -- | 749 | -- | -- | -- | -- | -- |
| 12... | 1620 | -- | 10.2 | 94 | 749 | 20 | 9.0 | .6 | -- | 6 |
| MAY | | | | | | | | | | |
| 09... | 1045 | 1.30 | -- | -- | 762 | -- | -- | -- | 44 | -- |
| 09... | 1046 | -- | -- | -- | 762 | -- | -- | -- | -- | -- |
| 09... | 1050 | -- | 8.7 | 86 | 762 | 10 | 4.5 | 2.6 | -- | 7 |
| AUG | | | | | | | | | | |
| 29... | 0930 | 1.50 | -- | -- | 758 | -- | -- | -- | 5 | -- |
| 29... | 0935 | -- | 6.1 | 74 | 758 | 1 | 1.2 | .8 | -- | -- |

| DATE | TIME | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937) | ALKA-LINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DIS-SOLVED (MG/L AS SO4) (00945) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1620 | 0 | 0 | 1.4 | 4.0 | .70 | .7 | 7 | 3.0 | 3.6 |
| MAY | | | | | | | | | | |
| 09... | 1050 | 0 | 0 | 1.5 | 4.0 | .70 | .6 | 8 | 3.1 | 1.5 |
| AUG | | | | | | | | | | |
| 29... | 0935 | -- | -- | -- | -- | -- | -- | 21 | 3.2 | 2.2 |

| DATE | TIME | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1620 | <.100 | .020 | .18 | .20 | .020 | <.010 | 260 | <1 | 10 |
| MAY | | | | | | | | | | |
| 09... | 1050 | <.100 | .090 | .11 | .20 | <.010 | <.010 | 100 | <1 | 10 |
| AUG | | | | | | | | | | |
| 29... | 0935 | <.100 | -- | -- | -- | <.010 | <.010 | 110 | <1 | 20 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, AR--CONTINUED

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1616 | -- | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| 12... | 1620 | 1 | 360 | 1 | 10 | <.1 | <1 | 10 | -- | -- |
| MAY | | | | | | | | | | |
| 09... | 1046 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 1050 | 1 | 140 | <1 | 20 | <.1 | 1 | 10 | -- | -- |
| AUG | | | | | | | | | | |
| 29... | 0935 | 1 | 320 | 2 | 30 | <.1 | 2 | 20 | <.100 | <.100 |

07340435 GILLHAM LAKE (OPOSSUM CREEK ARM) NEAR DUCKETT, AR
(LAT 34 15 14 LONG094 13 08)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1600 | 9 | 80513 | 80513 | .00 | 46.0 | -- | -- | 10.5 | -- | 24.0 |
| 12... | 1601 | 9 | 80513 | 80010 | 3.00 | 46.0 | -- | -- | -- | -- | -- |
| 12... | 1605 | 9 | 80513 | 80010 | 23.0 | 46.0 | 31 | 6.5 | -- | 11.0 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1020 | 9 | 80513 | 80513 | .00 | 36.0 | -- | -- | 28.0 | -- | 33.6 |
| 09... | 1021 | 9 | 80513 | 80010 | 3.00 | 36.0 | -- | -- | -- | -- | -- |
| 09... | 1025 | 9 | 80513 | 80010 | 18.0 | 36.0 | 50 | 7.0 | -- | 16.5 | -- |
| AUG | | | | | | | | | | | |
| 29... | 0900 | 9 | 80513 | 80513 | .00 | 22.0 | -- | -- | 27.0 | -- | 52.8 |
| 29... | 0901 | 9 | 80513 | 80010 | 3.00 | 22.0 | -- | -- | -- | -- | -- |
| 29... | 0905 | 9 | 80513 | 80010 | 11.0 | 22.0 | 38 | 6.4 | -- | 26.0 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1600 | .60 | -- | -- | 749 | -- | -- | -- | 240 | -- | -- |
| 12... | 1601 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 12... | 1605 | -- | 9.4 | 87 | 749 | 20 | 18 | .6 | -- | 7 | 0 |
| MAY | | | | | | | | | | | |
| 09... | 1020 | .90 | -- | -- | 762 | -- | -- | -- | 120 | -- | -- |
| 09... | 1021 | -- | -- | -- | 762 | -- | -- | -- | -- | -- | -- |
| 09... | 1025 | -- | 7.9 | 81 | 762 | 15 | 8.4 | 3.4 | -- | 8 | 0 |
| AUG | | | | | | | | | | | |
| 29... | 0900 | 1.30 | -- | -- | 758 | -- | -- | -- | 1 | -- | -- |
| 29... | 0901 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 29... | 0905 | -- | 5.5 | 68 | 758 | 1 | 1.0 | 1.8 | -- | -- | -- |

| DATE | TIME | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | ALKA-LINITY 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, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1605 | 0 | 1.6 | 4.0 | .80 | 7 | 3.0 | 4.5 | .300 | .090 |
| MAY | | | | | | | | | | |
| 09... | 1025 | 0 | 1.8 | 5.0 | .90 | 10 | 3.2 | 2.2 | .400 | .100 |
| AUG | | | | | | | | | | |
| 29... | 0905 | -- | -- | -- | -- | 16 | -- | 4.0 | <.100 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, AR--CONTINUED

| DATE | TIME | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1601 | -- | -- | -- | -- | -- | -- | -- | .900 | <.100 |
| 12... | 1605 | .21 | .30 | .60 | .040 | .020 | 710 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 09... | 1021 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 1025 | .20 | .30 | .70 | .020 | .010 | 350 | <20 | -- | -- |
| AUG | | | | | | | | | | |
| 29... | 0901 | -- | -- | -- | -- | -- | -- | -- | 2.00 | <.100 |
| 29... | 0905 | -- | -- | -- | .020 | .020 | -- | -- | -- | -- |

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, AR
(LAT 34 13 53 LONG 094 13 54)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1535 | 9 | 80513 | 80513 | .00 | 81.0 | -- | -- | 11.0 | -- | 45.6 |
| 12... | 1536 | 9 | 80513 | 80010 | 3.00 | 81.0 | -- | -- | -- | -- | -- |
| 12... | 1540 | 9 | 80513 | 80010 | 16.0 | 81.0 | 37 | 7.1 | -- | 11.0 | -- |
| 12... | 1545 | 9 | 80513 | 80010 | 65.0 | 81.0 | 30 | 6.5 | -- | 9.0 | -- |
| MAY | | | | | | | | | | | |
| 09... | 0945 | 9 | 80513 | 80513 | .00 | 74.0 | -- | -- | 27.0 | -- | 78.0 |
| 09... | 0946 | 9 | 80513 | 80010 | 3.00 | 74.0 | -- | -- | -- | -- | -- |
| 09... | 0950 | 9 | 80513 | 80010 | 15.0 | 74.0 | 28 | 7.0 | -- | 18.0 | -- |
| 09... | 0955 | 9 | 80513 | 80010 | 59.0 | 74.0 | 36 | 6.7 | -- | 14.5 | -- |
| AUG | | | | | | | | | | | |
| 29... | 0830 | 9 | 80513 | 80513 | .00 | 60.0 | -- | -- | 26.0 | -- | 106 |
| 29... | 0831 | 9 | 80513 | 80010 | 3.00 | 60.0 | -- | -- | -- | -- | -- |
| 29... | 0835 | 9 | 80513 | 80010 | 12.0 | 60.0 | 32 | 6.7 | -- | 25.5 | -- |
| 29... | 0840 | 9 | 80513 | 80010 | 48.0 | 60.0 | 70 | 6.4 | -- | 15.0 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1535 | 1.20 | -- | -- | 749 | -- | -- | -- | 5 | -- | -- |
| 12... | 1536 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 12... | 1540 | -- | 8.8 | 81 | 749 | 14 | 8.8 | .5 | -- | 9 | 0 |
| 12... | 1545 | -- | 9.4 | 83 | 749 | 13 | 10 | 2.1 | -- | 10 | 2 |
| MAY | | | | | | | | | | | |
| 09... | 0945 | 2.00 | -- | -- | 762 | -- | -- | -- | 1 | -- | -- |
| 09... | 0946 | -- | -- | -- | 762 | -- | -- | -- | -- | -- | -- |
| 09... | 0950 | -- | 7.6 | 80 | 762 | 10 | 5.5 | 2.0 | -- | 7 | 0 |
| 09... | 0955 | -- | 6.9 | 68 | 762 | 23 | 13 | 1.8 | -- | 10 | 2 |
| AUG | | | | | | | | | | | |
| 29... | 0830 | 2.70 | -- | -- | 760 | -- | -- | -- | 2 | -- | -- |
| 29... | 0831 | -- | -- | -- | 760 | -- | -- | -- | -- | -- | -- |
| 29... | 0835 | -- | 6.0 | 74 | 760 | 1 | 1.5 | 1.1 | -- | -- | -- |
| 29... | 0840 | -- | .5 | 5 | 760 | 100 | 3.0 | 1.8 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1540 | 0 | 2.0 | 5.0 | .90 | 10 | 4.0 | 4.3 | .200 | .120 |
| 12... | 1545 | 2 | 2.7 | 7.0 | .80 | 8 | 3.0 | 4.2 | .200 | .080 |
| MAY | | | | | | | | | | |
| 09... | 0950 | 0 | 1.6 | 4.0 | .70 | 8 | 3.5 | 1.7 | .100 | .090 |
| 09... | 0955 | 2 | 2.8 | 7.0 | .70 | 8 | 3 3 | 1.4 | .100 | .130 |
| AUG | | | | | | | | | | |
| 29... | 0835 | -- | -- | -- | -- | 13 | -- | 2.6 | <.100 | -- |
| 29... | 0840 | -- | -- | -- | -- | 22 | -- | 3.1 | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1536 | -- | -- | -- | -- | -- | -- | -- | 3.40 | .700 |
| 12... | 1540 | .18 | .30 | .50 | .030 | <.010 | 360 | 10 | -- | -- |
| 12... | 1545 | .02 | .10 | .30 | .040 | <.010 | 420 | 30 | -- | -- |
| MAY | | | | | | | | | | |
| 09... | 0946 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 0950 | .11 | .20 | .30 | <.010 | <.010 | 150 | <10 | -- | -- |
| 09... | 0955 | .17 | .30 | .40 | .020 | .010 | 310 | 40 | -- | -- |
| AUG | | | | | | | | | | |
| 29... | 0831 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 29... | 0835 | -- | -- | -- | <.010 | <.010 | -- | -- | -- | -- |
| 29... | 0840 | -- | -- | -- | .090 | .060 | -- | -- | -- | -- |

07340595 LITTLE RIVER NEAR WILTON, AR
(LAT 33 47 00 LONG 094 08 54)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1045 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 5.5 | -- | 20.4 |
| 13... | 1046 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- | -- |
| 13... | 1050 | 9 | 80513 | 80010 | 4.00 | 20.0 | 58 | 7.4 | -- | 10.5 | -- |
| 13... | 1055 | 9 | 80513 | 80010 | 16.0 | 20.0 | 58 | 7.4 | -- | 10.5 | -- |
| MAY | | | | | | | | | | | |
| 10... | 0830 | 9 | 80513 | 80513 | .00 | 24.0 | -- | -- | 17.0 | -- | 21.6 |
| 10... | 0831 | 9 | 80513 | 80010 | 3.00 | 24.0 | -- | -- | -- | -- | -- |
| 10... | 0835 | 9 | 80513 | 80010 | 5.00 | 24.0 | 42 | 7.1 | -- | 17.5 | -- |
| 10... | 0840 | 9 | 80513 | 80010 | 19.0 | 24.0 | 46 | 7.1 | -- | 17.5 | -- |
| AUG | | | | | | | | | | | |
| 30... | 0930 | 9 | 80513 | 80513 | .00 | 20.0 | -- | -- | 26.0 | -- | 45.6 |
| 30... | 0931 | 9 | 80513 | 80010 | 3.00 | 20.0 | -- | -- | -- | -- | -- |
| 30... | 0935 | 9 | 80513 | 80010 | 20.0 | 4.0 | 42 | 7.0 | -- | 25.5 | -- |
| 30... | 0940 | 9 | 80513 | 80010 | 16.0 | 20.0 | 40 | 6.7 | -- | 25.0 | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1045 | .50 | -- | -- | 748 | -- | -- | -- | K450 | -- | -- |
| 13... | 1050 | -- | 9.7 | 89 | 748 | 45 | 40 | 1.9 | -- | 14 | 0 |
| 13... | 1055 | -- | 9.7 | 89 | 748 | 45 | 55 | 2.4 | -- | 13 | 0 |
| MAY | | | | | | | | | | | |
| 10... | 0830 | .60 | -- | -- | 765 | -- | -- | -- | 110 | -- | -- |
| 10... | 0831 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 10... | 0835 | -- | 8.2 | 85 | 765 | 20 | 16 | 1.2 | -- | 13 | 1 |
| 10... | 0840 | -- | 8.1 | 84 | 765 | 25 | -- | .6 | -- | 13 | 0 |
| AUG | | | | | | | | | | | |
| 30... | 0930 | 1.20 | -- | -- | 765 | -- | -- | -- | 17 | -- | -- |
| 30... | 0931 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 30... | 0935 | -- | 6.8 | 83 | 765 | 3 | 2.0 | M4.0 | -- | -- | -- |
| 30... | 0940 | -- | 4.8 | 58 | 765 | 6 | 3.7 | 2.6 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1050 | 0 | 3.5 | 9.0 | 1.2 | 1.4 | 13 | 4.0 | 6.1 | .300 |
| 13... | 1055 | 0 | 3.5 | 10 | 1.1 | 1.3 | 13 | 4.0 | 6.1 | .300 |
| MAY | | | | | | | | | | |
| 10... | 0835 | 1 | 3.6 | 9.0 | 1.0 | .9 | 12 | 4.5 | 2.5 | .200 |
| 10... | 0840 | 0 | 3.5 | 9.0 | 1.0 | .9 | 12 | 4.3 | 2.6 | .200 |
| AUG | | | | | | | | | | |
| 30... | 0935 | -- | -- | -- | -- | -- | 11 | 3.9 | 5.2 | <.100 |
| 30... | 0940 | -- | -- | -- | -- | -- | 12 | 3.7 | 4.2 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1050 | .130 | .27 | .40 | .70 | .050 | .020 | 930 | 1 | <10 |
| 13... | 1055 | .090 | .61 | .70 | 1.0 | .030 | .020 | -- | 1 | 10 |
| MAY | | | | | | | | | | |
| 10... | 0835 | .110 | .09 | .20 | .40 | .030 | .020 | 340 | 1 | 10 |
| 10... | 0840 | .180 | .12 | .30 | .50 | .030 | .010 | 490 | <1 | 10 |
| AUG | | | | | | | | | | |
| 30... | 0935 | -- | -- | -- | -- | <.010 | <.010 | 200 | 2 | 10 |
| 30... | 0940 | -- | -- | -- | -- | .010 | <.010 | 190 | 1 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1046 | -- | -- | -- | -- | -- | -- | -- | 4.40 | <.100 |
| 13... | 1050 | 10 | 1500 | 3 | 90 | <.1 | 2 | 10 | -- | -- |
| 13... | 1055 | 7 | 1800 | -- | 110 | <.1 | 2 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 10... | 0831 | -- | -- | -- | -- | -- | -- | -- | .300 | <.100 |
| 10... | 0835 | 2 | 630 | <1 | 30 | <.1 | 13 | <10 | -- | -- |
| 10... | 0840 | 2 | 850 | <1 | 60 | <.1 | 4 | 20 | -- | -- |
| AUG | | | | | | | | | | |
| 30... | 0931 | -- | -- | -- | -- | -- | -- | -- | 2.10 | <.100 |
| 30... | 0935 | 1 | 870 | 2 | 100 | <.1 | 8 | <10 | -- | -- |
| 30... | 0940 | 1 | 840 | 1 | 160 | <.1 | 3 | <10 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, AR
(LAT 33 43 29 LONG 094 01 05)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1200 | 9 | 80513 | 80513 | .00 | 30.0 | -- | -- | 6.5 | -- | 12.0 |
| 13... | 1201 | 9 | 80513 | 80010 | 3.00 | 30.0 | -- | -- | -- | -- | -- |
| 13... | 1205 | 9 | 80513 | 80010 | 15.0 | 30.0 | 58 | 7.3 | -- | 10.0 | -- |
| MAY | | | | | | | | | | | |
| 10... | 1300 | 9 | 80513 | 80513 | .00 | 32.0 | -- | -- | 28.0 | -- | 19.2 |
| 10... | 1301 | 9 | 80513 | 80010 | 3.00 | 32.0 | -- | -- | -- | -- | -- |
| 10... | 1305 | 9 | 80513 | 80010 | 16.0 | 32.0 | 42 | 6.7 | -- | 18.5 | -- |
| AUG | | | | | | | | | | | |
| 30... | 1600 | 9 | 80513 | 80513 | .00 | 30.0 | -- | -- | 38.0 | -- | 40.8 |
| 30... | 1601 | 9 | 80513 | 80010 | 3.00 | 30.0 | -- | -- | -- | -- | -- |
| 30... | 1605 | 9 | 80513 | 80010 | 15.0 | 30.0 | 54 | 6.6 | -- | 25.0 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1200 | .30 | -- | -- | 749 | -- | -- | -- | 170 | -- | -- |
| 13... | 1201 | -- | -- | -- | 749 | -- | -- | -- | -- | -- | -- |
| 13... | 1205 | -- | 10.0 | 90 | 749 | 25 | 21 | 1.5 | -- | 13 | 1 |
| MAY | | | | | | | | | | | |
| 10... | 1300 | .50 | -- | -- | 765 | -- | -- | -- | 73 | -- | -- |
| 10... | 1301 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 10... | 1305 | -- | 6.1 | 65 | 765 | 20 | 15 | 1.4 | -- | 13 | 0 |
| AUG | | | | | | | | | | | |
| 30... | 1600 | 1.00 | -- | -- | 767 | -- | -- | -- | K290 | -- | -- |
| 30... | 1601 | -- | -- | -- | 767 | -- | -- | -- | -- | -- | -- |
| 30... | 1605 | -- | 3.1 | 37 | 767 | 3 | 2.0 | 1.2 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1205 | 1 | 3.3 | 8.0 | 1.2 | 1.2 | 12 | 3.0 | 6.1 | .300 |
| MAY | | | | | | | | | | |
| 10... | 1305 | 0 | 3.6 | 9.0 | 1.0 | 1.0 | 13 | 4.5 | 2.4 | .200 |
| AUG | | | | | | | | | | |
| 30... | 1605 | -- | -- | -- | -- | -- | 15 | 3.4 | 5.9 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1205 | .130 | .27 | .40 | .70 | .050 | <.010 | 530 | 1 | <10 |
| MAY | | | | | | | | | | |
| 10... | 1305 | .110 | .19 | .30 | .50 | .040 | .020 | 290 | <1 | 20 |
| AUG | | | | | | | | | | |
| 30... | 1605 | -- | -- | -- | -- | <.010 | <.010 | 100 | 2 | 10 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, AR--CONTINUED

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1201 | -- | -- | -- | -- | -- | -- | -- | 8.40 | .900 |
| 13... | 1205 | 8 | 1000 | 5 | 50 | <.1 | 8 | 60 | -- | -- |
| MAY | | | | | | | | | | |
| 10... | 1301 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 10... | 1305 | 2 | 620 | <1 | 60 | <.1 | 4 | 10 | -- | -- |
| AUG | | | | | | | | | | |
| 30... | 1601 | -- | -- | -- | -- | -- | -- | -- | 2.50 | <.100 |
| 30... | 1605 | 1 | 760 | 1 | 310 | <.1 | 7 | <10 | -- | -- |

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, AR
(LAT 34 11 59 LONG 094 05 22)

| DATE | TIME | MEDIUM | 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 (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1305 | 9 | 80513 | 80513 | .00 | 9.0 | -- | -- | 11.0 | -- | 18.0 |
| 12... | 1306 | 9 | 80513 | 80010 | 3.00 | 9.0 | -- | -- | -- | -- | -- |
| 12... | 1310 | 9 | 80513 | 80010 | 4.00 | 9.0 | 43 | 6.6 | -- | 9.5 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1515 | 9 | 80513 | 80513 | .00 | 16.0 | -- | -- | 32.0 | -- | 38.4 |
| 09... | 1516 | 9 | 80513 | 80010 | 3.00 | 16.0 | -- | -- | -- | -- | -- |
| 09... | 1520 | 9 | 80513 | 80010 | 8.00 | 16.0 | 38 | 6.6 | -- | 16.5 | -- |
| AUG | | | | | | | | | | | |
| 29... | 1400 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 38.0 | -- | 34.8 |
| 29... | 1401 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 29... | 1405 | 9 | 80513 | 80010 | 6.00 | 12.0 | 40 | 7.1 | -- | 26.5 | -- |

| DATE | TIME | TRANS-PAR-ENCY (SECCHI DISK) (M) (00078) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | TUR-BID-ITY (NTU) (00076) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARD-NESS (MG/L AS CACO3) (00900) | HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1305 | .50 | -- | -- | 751 | -- | -- | -- | 120 | -- | -- |
| 12... | 1306 | -- | -- | -- | 751 | -- | -- | -- | -- | -- | -- |
| 12... | 1310 | -- | 10.3 | 91 | 751 | 45 | 18 | 1.0 | -- | 10 | 0 |
| MAY | | | | | | | | | | | |
| 09... | 1515 | 1.00 | -- | -- | 759 | -- | -- | -- | 42 | -- | -- |
| 09... | 1516 | -- | -- | -- | 759 | -- | -- | -- | -- | -- | -- |
| 09... | 1520 | -- | 8.1 | 83 | 759 | 20 | 8.4 | 2.4 | -- | 10 | 0 |
| AUG | | | | | | | | | | | |
| 29... | 1400 | .90 | -- | -- | 758 | -- | -- | -- | 6 | -- | -- |
| 29... | 1401 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 29... | 1405 | -- | 8.0 | 100 | 758 | 5 | 4.0 | 3.0 | -- | -- | -- |

| DATE | TIME | HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937) | ALKA-LINITY 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, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1310 | 0 | 2.0 | 5.0 | 1.2 | 1.3 | 10 | 4.0 | 5.1 | .600 |
| MAY | | | | | | | | | | |
| 09... | 1520 | 0 | 2.1 | 5.0 | 1.2 | 1.0 | 10 | 3.4 | 2.1 | .500 |
| AUG | | | | | | | | | | |
| 29... | 1405 | -- | -- | -- | -- | -- | 13 | 2.7 | 2.3 | <.100 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, AR--CONTINUED

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1310 | .140 | .16 | .30 | .90 | .050 | .020 | 810 | 1 | <10 |
| MAY | | | | | | | | | | |
| 09... | 1520 | .040 | .26 | .30 | .80 | .030 | .010 | 250 | <1 | 10 |
| AUG | | | | | | | | | | |
| 29... | 1405 | -- | -- | -- | -- | .030 | <.010 | 140 | 2 | 20 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1306 | -- | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| 12... | 1310 | 2 | 980 | 4 | 20 | <.1 | <1 | 50 | -- | -- |
| MAY | | | | | | | | | | |
| 09... | 1516 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 1520 | 1 | 470 | <1 | 40 | .7 | 5 | <10 | -- | -- |
| AUG | | | | | | | | | | |
| 29... | 1401 | -- | -- | -- | -- | -- | -- | -- | 3.00 | <.100 |
| 29... | 1405 | 2 | 390 | 1 | 60 | <.1 | 1 | <10 | -- | -- |

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, AR
(LAT 34 10 08 LONG 094 05 45)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1240 | 9 | 80513 | 80513 | .00 | 53.0 | -- | -- | 11.0 | -- | 42.0 |
| 12... | 1241 | 9 | 80513 | 80010 | 3.00 | 53.0 | -- | -- | -- | -- | -- |
| 12... | 1245 | 9 | 80513 | 80010 | 11.0 | 53.0 | 42 | 6.5 | -- | 9.5 | -- |
| 12... | 1250 | 9 | 80513 | 80010 | 42.0 | 53.0 | 43 | 6.4 | -- | 9.0 | -- |
| MAY | | | | | | | | | | | |
| 09... | 1500 | 9 | 80513 | 80513 | .00 | 64.0 | -- | -- | 31.0 | -- | 38.4 |
| 09... | 1501 | 9 | 80513 | 80010 | 3.00 | 64.0 | -- | -- | -- | -- | -- |
| 09... | 1505 | 9 | 80513 | 80010 | 13.0 | 64.0 | 36 | 6.7 | -- | 14.0 | -- |
| 09... | 1510 | 9 | 80513 | 80010 | 51.0 | 64.0 | 36 | 6.4 | -- | 14.0 | -- |
| AUG | | | | | | | | | | | |
| 29... | 1330 | 9 | 80513 | 80513 | .00 | 58.0 | -- | -- | 36.0 | -- | 69.6 |
| 29... | 1331 | 9 | 80513 | 80010 | 3.00 | 58.0 | -- | -- | -- | -- | -- |
| 29... | 1335 | 9 | 80513 | 80010 | 12.0 | 58.0 | 36 | 6.8 | -- | 24.5 | -- |
| 29... | 1340 | 9 | 80513 | 80010 | 46.0 | 58.0 | 92 | 6.3 | -- | 13.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 12... | 1240 | 1.10 | -- | -- | 752 | -- | -- | -- | 11 | -- | -- |
| 12... | 1241 | -- | -- | -- | 752 | -- | -- | -- | -- | -- | -- |
| 12... | 1245 | -- | 8.6 | 76 | 752 | 14 | 5.1 | 1.5 | -- | 10 | 0 |
| 12... | 1250 | -- | 7.4 | 65 | 752 | 28 | 14 | 1.1 | -- | 10 | 0 |
| MAY | | | | | | | | | | | |
| 09... | 1500 | 1.00 | -- | -- | 759 | -- | -- | -- | 3 | -- | -- |
| 09... | 1501 | -- | -- | -- | 759 | -- | -- | -- | -- | -- | -- |
| 09... | 1505 | -- | 3.0 | 29 | 759 | 25 | 6.4 | 2.1 | -- | 9 | 0 |
| 09... | 1510 | -- | 6.5 | 63 | 759 | 50 | 18 | 2.2 | -- | 10 | 0 |
| AUG | | | | | | | | | | | |
| 29... | 1330 | 1.80 | -- | -- | 758 | -- | -- | -- | 1 | -- | -- |
| 29... | 1331 | -- | -- | -- | 758 | -- | -- | -- | -- | -- | -- |
| 29... | 1335 | -- | 6.8 | 82 | 758 | 2 | 1.6 | 1.6 | -- | -- | -- |
| 29... | 1340 | -- | .5 | 5 | 758 | 95 | 5.0 | 1.3 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1245 | 0 | 2.1 | 5.0 | 1.1 | 11 | 3.0 | 3.2 | .400 | .180 |
| 12... | 1250 | 0 | 2.0 | 5.0 | 1.1 | 10 | 3.0 | 4.3 | .200 | .130 |
| MAY | | | | | | | | | | |
| 09... | 1505 | 0 | 2.1 | 5.0 | 1.0 | 10 | 2.9 | 2.1 | .300 | .080 |
| 09... | 1510 | 0 | 2.2 | 6.0 | 1.2 | 11 | 3.8 | 1.7 | .300 | .240 |
| AUG | | | | | | | | | | |
| 29... | 1335 | -- | -- | -- | -- | 13 | -- | 3.5 | <.100 | -- |
| 29... | 1340 | -- | -- | -- | -- | 46 | -- | 3.5 | <.100 | -- |

| DATE | TIME | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 12... | 1241 | -- | -- | -- | -- | -- | -- | -- | 8.30 | 2.40 |
| 12... | 1245 | .32 | .50 | .90 | .030 | .020 | 410 | 30 | -- | -- |
| 12... | 1250 | .27 | .40 | .60 | .040 | .020 | 780 | 50 | -- | -- |
| MAY | | | | | | | | | | |
| 09... | 1501 | -- | -- | -- | -- | -- | -- | -- | <.100 | <.100 |
| 09... | 1505 | .22 | .30 | .60 | .020 | <.010 | 270 | <10 | -- | -- |
| 09... | 1510 | .26 | .50 | .80 | .060 | .040 | 1300 | 310 | -- | -- |
| AUG | | | | | | | | | | |
| 29... | 1331 | -- | -- | -- | -- | -- | -- | -- | 2.80 | <.100 |
| 29... | 1335 | -- | -- | -- | .020 | <.010 | -- | -- | -- | -- |
| 29... | 1340 | -- | -- | -- | .260 | .230 | -- | -- | -- | -- |

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, AR
(LAT 33 49 08 LONG 093 59 06)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1515 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 6.0 | -- | 9.6 |
| 13... | 1516 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 13... | 1520 | 9 | 80513 | 80010 | 5.00 | 10.0 | 54 | 7.5 | -- | 9.5 | -- |
| MAY | | | | | | | | | | | |
| 10... | 1840 | 9 | 80513 | 80513 | .00 | 13.0 | -- | -- | 24.0 | -- | 16.8 |
| 10... | 1841 | 9 | 80513 | 80010 | 3.00 | 13.0 | -- | -- | -- | -- | -- |
| 10... | 1845 | 9 | 80513 | 80010 | 6.50 | 13.0 | 44 | 7.0 | -- | 16.5 | -- |
| AUG | | | | | | | | | | | |
| 30... | 1800 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 36.0 | -- | 21.6 |
| 30... | 1801 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 30... | 1805 | 9 | 80513 | 80010 | 10.0 | 5.0 | 70 | 6.8 | -- | 24.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1515 | .20 | -- | -- | 748 | -- | -- | -- | 90 | -- | -- |
| 13... | 1516 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 13... | 1520 | -- | 10.0 | 89 | 748 | 50 | 26 | 1.4 | -- | 12 | 0 |
| MAY | | | | | | | | | | | |
| 10... | 1840 | .40 | -- | -- | 759 | -- | -- | -- | 110 | -- | -- |
| 10... | 1841 | -- | -- | -- | 759 | -- | -- | -- | -- | -- | -- |
| 10... | 1845 | -- | 6.9 | 71 | 759 | 30 | 17 | 1.4 | -- | 14 | 2 |
| AUG | | | | | | | | | | | |
| 30... | 1800 | .60 | -- | -- | 764 | -- | -- | -- | 89 | -- | -- |
| 30... | 1801 | -- | -- | -- | 764 | -- | -- | -- | -- | -- | -- |
| 30... | 1805 | -- | 3.8 | 45 | 764 | 22 | 9.5 | 1.9 | -- | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, AR--CONTINUED

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1520 | 0 | 2.9 | 7.0 | 1.1 | 1.5 | 11 | 4.0 | 5.3 | .400 |
| MAY | | | | | | | | | | |
| 10... | 1845 | 2 | 3.8 | 10 | 1.1 | 1.1 | 12 | 5.1 | 2.4 | .300 |
| AUG | | | | | | | | | | |
| 30... | 1805 | -- | -- | -- | -- | -- | 22 | 5.8 | 5.1 | .100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1520 | .140 | .26 | .40 | .80 | .040 | .010 | 770 | 1 | <10 |
| MAY | | | | | | | | | | |
| 10... | 1845 | .060 | .34 | .40 | .70 | .040 | <.010 | 360 | <1 | 10 |
| AUG | | | | | | | | | | |
| 30... | 1805 | -- | -- | -- | -- | .030 | .020 | 390 | 2 | <10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1516 | -- | -- | -- | -- | -- | -- | -- | .800 | <.100 |
| 13... | 1520 | 9 | 1200 | 4 | 80 | <.1 | 1 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 10... | 1841 | -- | -- | -- | -- | -- | -- | -- | .700 | <.100 |
| 10... | 1845 | 2 | 1000 | <1 | 30 | <.1 | 3 | 20 | -- | -- |
| AUG | | | | | | | | | | |
| 30... | 1801 | -- | -- | -- | -- | -- | -- | -- | 2.10 | <.100 |
| 30... | 1805 | 1 | 2300 | 1 | 260 | .2 | 7 | <10 | -- | -- |

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, AR
(LAT 33 47 16 LONG 093 56 11)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1425 | 9 | 80513 | 80513 | .00 | 10.0 | -- | -- | 6.0 | -- | 14.4 |
| 13... | 1426 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 13... | 1430 | 9 | 80513 | 80010 | 5.00 | 10.0 | 106 | 7.5 | -- | 8.0 | -- |
| MAY | | | | | | | | | | | |
| 10... | 1545 | 9 | 80513 | 80513 | .00 | 12.0 | -- | -- | 30.0 | -- | 21.6 |
| 10... | 1546 | 9 | 80513 | 80010 | 3.00 | 12.0 | -- | -- | -- | -- | -- |
| 10... | 1550 | 9 | 80513 | 80010 | 6.00 | 12.0 | 40 | 6.8 | -- | 22.5 | -- |
| AUG | | | | | | | | | | | |
| 30... | 1700 | 9 | 80513 | 80010 | .00 | 10.0 | -- | -- | 38.0 | -- | 21.6 |
| 30... | 1701 | 9 | 80513 | 80010 | 3.00 | 10.0 | -- | -- | -- | -- | -- |
| 30... | 1705 | 9 | 80513 | 80010 | 5.00 | 10.0 | 104 | 7.0 | -- | 25.5 | -- |

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, AR--CONTINUED

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1425 | .40 | -- | -- | 748 | -- | -- | -- | 130 | -- | -- |
| 13... | 1426 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 13... | 1430 | -- | 8.8 | 76 | 748 | 25 | 21 | 1.9 | -- | 24 | 10 |
| MAY | | | | | | | | | | | |
| 10... | 1545 | .60 | -- | -- | 765 | -- | -- | -- | 8 | -- | -- |
| 10... | 1546 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 10... | 1550 | -- | 5.7 | 66 | 765 | 30 | 7.4 | 3.2 | -- | 25 | 4 |
| AUG | | | | | | | | | | | |
| 30... | 1700 | .60 | -- | -- | 767 | -- | -- | -- | 1 | -- | -- |
| 30... | 1701 | -- | -- | -- | 767 | -- | -- | -- | -- | -- | -- |
| 30... | 1705 | -- | 4.4 | 53 | 767 | 10 | 4.0 | 4.2 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1430 | 10 | 7.5 | 19 | 1.3 | 2.9 | 14 | 16 | 9.1 | 1.00 |
| MAY | | | | | | | | | | |
| 10... | 1550 | 4 | 7.9 | 20 | 1.2 | 2.0 | 21 | 9.8 | 4.5 | .500 |
| AUG | | | | | | | | | | |
| 30... | 1705 | -- | -- | -- | -- | -- | 30 | 9.2 | 7.7 | <.100 |

| DATE | TIME | NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITROGEN, TOTAL (MG/L AS N) (00600) | PHOSPHORUS, TOTAL (MG/L AS P) (00665) | PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1430 | .240 | .56 | .80 | 1.8 | .090 | .070 | 510 | 1 | <10 |
| MAY | | | | | | | | | | |
| 10... | 1550 | .120 | .48 | .60 | 1.1 | .120 | .070 | 180 | 1 | 10 |
| AUG | | | | | | | | | | |
| 30... | 1705 | -- | -- | -- | -- | .120 | .060 | 150 | 2 | 10 |

| DATE | TIME | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1426 | -- | -- | -- | -- | -- | -- | -- | .600 | .300 |
| 13... | 1430 | 5 | 1400 | 5 | 70 | <.1 | 2 | 30 | -- | -- |
| MAY | | | | | | | | | | |
| 10... | 1546 | -- | -- | -- | -- | -- | -- | -- | 11.0 | <.100 |
| 10... | 1550 | 2 | 900 | 1 | 130 | <.1 | 5 | 40 | -- | -- |
| AUG | | | | | | | | | | |
| 30... | 1701 | -- | -- | -- | -- | -- | -- | -- | 12.0 | 5.00 |
| 30... | 1705 | 1 | 1500 | 1 | 160 | <.1 | 1 | 20 | -- | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, AR
(LAT 33 44 20 LONG 093 57 09)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SAMPLING DEPTH (FEET) (00003) | RESERVOIR DEPTH (FEET) (72025) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | TRANSPARENCY (SECCHI DISK) (IN) (00077) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1330 | 9 | 80513 | 80513 | .00 | 25.0 | -- | -- | 6.0 | -- | 22.8 |
| 13... | 1331 | 9 | 80513 | 80010 | 3.00 | 25.0 | -- | -- | -- | -- | -- |
| 13... | 1335 | 9 | 80513 | 80010 | 5.00 | 25.0 | 70 | 7.4 | -- | 9.0 | -- |
| 13... | 1340 | 9 | 80513 | 80010 | 20.0 | 25.0 | 70 | 7.4 | -- | 9.0 | -- |
| MAY | | | | | | | | | | | |
| 10... | 1415 | 9 | 80513 | 80513 | .00 | 36.0 | -- | -- | 30.0 | -- | 19.2 |
| 10... | 1416 | 9 | 80513 | 80010 | 3.00 | 36.0 | -- | -- | -- | -- | -- |
| 10... | 1420 | 9 | 80513 | 80010 | 7.00 | 36.0 | 42 | 6.8 | -- | 21.0 | -- |
| 10... | 1425 | 9 | 80513 | 80010 | 29.0 | 36.0 | 42 | 6.8 | -- | 21.0 | -- |
| AUG | | | | | | | | | | | |
| 30... | 1400 | 9 | 80513 | 80513 | .00 | 32.0 | -- | -- | 36.0 | -- | 26.4 |
| 30... | 1401 | 9 | 80513 | 80010 | 3.00 | 32.0 | -- | -- | -- | -- | -- |
| 30... | 1405 | 9 | 80513 | 80010 | 32.0 | 6.5 | 72 | 7.3 | -- | 25.0 | -- |
| 30... | 1410 | 9 | 80513 | 80010 | 32.0 | 25.5 | 72 | 7.1 | -- | 24.5 | -- |

| DATE | TIME | TRANSPARENCY (SECCHI DISK) (M) (00078) | OXYGEN, DISSOLVED (MG/L) (00300) | OXYGEN, DISSOLVED (PERCENT SATURATION) (00301) | BAROMETRIC PRESSURE (MM OF HG) (00025) | COLOR (PLATINUM-COBALT UNITS) (00080) | TURBIDITY (NTU) (00076) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 13... | 1330 | .60 | -- | -- | 748 | -- | -- | -- | 2 | -- | -- |
| 13... | 1331 | -- | -- | -- | 748 | -- | -- | -- | -- | -- | -- |
| 13... | 1335 | -- | 10.2 | 90 | 748 | 3 | 7.6 | .9 | -- | 14 | 0 |
| 13... | 1340 | -- | 10.1 | 89 | 748 | 8 | 7.5 | 1.1 | -- | 14 | 0 |
| MAY | | | | | | | | | | | |
| 10... | 1415 | .50 | -- | -- | 765 | -- | -- | -- | 3 | -- | -- |
| 10... | 1416 | -- | -- | -- | 765 | -- | -- | -- | -- | -- | -- |
| 10... | 1420 | -- | 5.7 | 64 | 765 | 80 | 21 | 1.8 | -- | 15 | 0 |
| 10... | 1425 | -- | 5.7 | 64 | 765 | 70 | -- | 1.7 | -- | 16 | 2 |
| AUG | | | | | | | | | | | |
| 30... | 1400 | .70 | -- | -- | 767 | -- | -- | -- | 6 | -- | -- |
| 30... | 1401 | -- | -- | -- | 767 | -- | -- | -- | -- | -- | -- |
| 30... | 1405 | -- | 6.1 | 73 | 767 | 4 | 2.0 | 1.9 | -- | -- | -- |
| 30... | 1410 | -- | 5.2 | 62 | 767 | 5 | 2.9 | 2.0 | -- | -- | -- |

| DATE | TIME | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | CALCIUM TOTAL (MG/L AS CACO3) (00910) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1335 | 0 | 3.8 | 10 | 1.2 | 1.3 | 16 | 4.0 | 9.1 | .100 |
| 13... | 1340 | 0 | 3.8 | 10 | 1.2 | 1.3 | 16 | 4.0 | 9.1 | .200 |
| MAY | | | | | | | | | | |
| 10... | 1420 | 0 | 4.5 | 11 | .90 | 1.4 | 14 | 5.5 | 2.3 | .200 |
| 10... | 1425 | 2 | 4.8 | 12 | .90 | 1.4 | 14 | 5.4 | 2.4 | .100 |
| AUG | | | | | | | | | | |
| 30... | 1405 | -- | -- | -- | -- | -- | 23 | 3.8 | 6.4 | <.100 |
| 30... | 1410 | -- | -- | -- | -- | -- | 23 | 3.7 | 6.4 | <.100 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, AR--CONTINUED

| DATE | TIME | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, TOTAL (MG/L AS N) (00600) | PHOS-PHORUS, TOTAL (MG/L AS P) (00665) | PHOS-PHORUS, ORTH , TOTAL (MG/L AS P) (70507) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ARSENIC TOTAL (UG/L AS AS) (01002) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1335 | .080 | .22 | .30 | .40 | .030 | <.010 | 230 | 1 | 10 |
| 13... | 1340 | .100 | .20 | .30 | .50 | .040 | <.010 | 220 | 1 | <10 |
| MAY | | | | | | | | | | |
| 10... | 1420 | .090 | .31 | .40 | .60 | .060 | .030 | 430 | <1 | 10 |
| 10... | 1425 | .060 | .44 | .50 | .60 | .050 | .010 | 430 | <1 | 10 |
| AUG | | | | | | | | | | |
| 30... | 1405 | -- | -- | -- | -- | .030 | .020 | 130 | 2 | 10 |
| 30... | 1410 | -- | -- | -- | -- | .030 | .010 | 140 | 2 | 10 |

| DATE | TIME | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 13... | 1331 | -- | -- | -- | -- | -- | -- | -- | 3.10 | .800 |
| 13... | 1335 | 16 | 520 | 6 | 20 | <.1 | 1 | 10 | -- | -- |
| 13... | 1340 | 12 | 590 | 6 | 20 | <.1 | 1 | 20 | -- | -- |
| MAY | | | | | | | | | | |
| 10... | 1416 | -- | -- | -- | -- | -- | -- | -- | 3.00 | <.100 |
| 10... | 1420 | 2 | 760 | <1 | 80 | <.1 | 3 | 20 | -- | -- |
| 10... | 1425 | 1 | 790 | <1 | 20 | <.1 | 2 | 20 | -- | -- |
| AUG | | | | | | | | | | |
| 30... | 1401 | -- | -- | -- | -- | -- | -- | -- | 5.50 | <.100 |
| 30... | 1405 | 1 | 650 | 1 | 210 | <.1 | 6 | <10 | -- | -- |
| 30... | 1410 | 1 | 640 | 1 | 220 | <.1 | 4 | <10 | -- | -- |

07355850 BOARD CAMP CREEK NEAR SHADY, AR
(LAT 34 28 34 LONG 094 05 03)

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | | |
| 12... | 1215 | 9 | 80513 | 80010 | 2.5 | 37 | 6.9 | 23.5 | 7.2 | 763 | 2.3 |

| DATE | TIME | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | 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) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 12... | 1215 | 1.2 | 1.8 | .70 | 11 | 2.2 | <.10 | 8.8 | 38 | <.10 |

| DATE | TIME | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 12... | 1215 | 110 | <1 | 1 | <100 | <10 | 60 | <20 | 1 | 10 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07355850 BOARD CAMP CREEK NEAR SHADY, AR--CONTINUED

| DATE | TIME | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1215 | 1 | 1 | 250 | 62 | 2 | <10 | 10 | <.1 | <1 |

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1215 | <1 | <1 | 1 | 50 | 30 | .0 | 1.2 | 10 | 46 |

07355980 SHIRLEY CREEK NEAR ODEN, AR
(LAT 34 36 10 LONG 093 49 49)

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1430 | 9 | 80513 | 80010 | 2.9 | 97 | 7.3 | 23.0 | 7.8 | 763 | 12 |

| DATE | TIME | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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 12... | 1430 | 1.7 | 1.3 | .60 | 36 | 11 | 2.3 | <.10 | 7.6 | 62 | 58 |

| DATE | TIME | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1430 | <.10 | 20 | <1 | 1 | 100 | <10 | <20 | <20 | 1 | <20 |

| DATE | TIME | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1430 | 1 | 7 | 170 | 48 | 2 | <10 | 20 | .3 | 24 |

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 12... | 1430 | <1 | 2 | <1 | 50 | 30 | .0 | 1.7 | 6 | 61 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07356285 NORTH FORK CREEK NEAR MOUNT TABOR, AR
(LAT 34 41 20 LONG 093 20 28)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 1115 | 9 | 80513 | 80010 | .72 | 40 | 7.5 | 28.5 | 7.2 | 762 | 1.9 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY LAB (MG/L AS CACO3) (90410) | 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 11... | 1115 | 1.6 | 2.0 | .70 | 12 | 2.7 | 2.2 | <.10 | 4.6 | 54 | 23 |

| DATE | TIME | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOVERABLE (UG/L AS B) (01022) | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 1115 | <.10 | 50 | <1 | 1 | <100 | <10 | <20 | <20 | 1 | 30 |

| DATE | TIME | COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132) | MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 1115 | 2 | 2 | 320 | 140 | 6 | <10 | <10 | <.1 | <1 |

| DATE | TIME | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077) | STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDIMENT, SUSPENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 1115 | 4 | <1 | <1 | 40 | 20 | .0 | 2.3 | 8 | 47 |

07356853 WALNUT CREEK NORTHWEST OF CRYSTAL SPRINGS, AR
(LAT 34 32 02 LONG 093 22 15)

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | STREAMFLOW, INSTANTANEOUS (CFS) (00061) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE, AIR (DEG C) (00020) | TEMPERATURE (DEG C) (00010) | OXYGEN, DISSOLVED (MG/L) (00300) | BAROMETRIC PRESSURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1900 | 9 | 80513 | 80010 | 132 | 74 | 7.3 | 17.0 | 16.0 | 8.4 | 752 |
| JUL 11... | 1345 | 9 | 80513 | 80010 | 3.2 | 220 | 7.7 | -- | 25.0 | 8.4 | 762 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07356853 WALNUT CREEK NORTHWEST OF CRYSTAL SPRINGS, AR--CONTINUED

| DATE | TIME | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1900 | 10 | 1.9 | .90 | .80 | 29 | 6.1 | 1.7 | .10 | 5.4 | 74 |
| JUL 11... | 1345 | 31 | 4.4 | 1.8 | 1.2 | 96 | 10 | 2.6 | .20 | 11 | 122 |

| DATE | TIME | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1900 | 44 | <.10 | 1100 | <1 | 1 | 100 | <10 | <20 | <20 | 1 |
| JUL 11... | 1345 | 120 | <.10 | 20 | <1 | 1 | 100 | <10 | 50 | <20 | 1 |

| DATE | TIME | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1900 | <10 | 4 | 5 | 2000 | 1900 | 99 | 6 | <10 | 230 | <.1 |
| JUL 11... | 1345 | <10 | 1 | 1 | 120 | -- | 35 | 1 | <10 | 20 | <.1 |

| DATE | TIME | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1900 | <1 | 7 | <1 | <1 | 50 | <10 | <.4 | -- | 105 | 13 |
| JUL 11... | 1345 | <1 | <1 | <1 | <1 | 120 | 10 | .0 | 1.6 | 10 | 54 |

07357790 MAZARN CREEK AT MAZARN, AR
(LAT 34 25 47 LONG 093 25 51)

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE, AIR (DEG C) (00020) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | BARO-METRIC PRES-SURE (MM OF HG) (00025) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1645 | 9 | 80513 | 80010 | 218 | 50 | 7.2 | 18.0 | 15.5 | 9.0 | 752 |
| JUL 11... | 1515 | 9 | 80513 | 80010 | 5.5 | 124 | 7.8 | -- | 28.5 | 7.6 | 763 |

| DATE | TIME | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1645 | 5.6 | 1.4 | 1.3 | .60 | 17 | 5.3 | 1.7 | <.10 | 6.7 | 56 |
| JUL 11... | 1515 | 16 | 2.5 | 1.5 | .90 | 50 | 11 | 3.3 | .20 | 8.9 | 76 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07357790 MAZARN CREEK AT MAZARN, AR--CONTINUED

| DATE | TIME | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1645 | 33 | <.10 | 200 | <1 | 1 | 100 | <10 | <20 | <20 | 1 |
| JUL 11... | 1515 | 74 | <.10 | 40 | <1 | 1 | 100 | <10 | <20 | <20 | 1 |

| DATE | TIME | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1645 | 20 | 2 | 2 | 380 | 270 | 110 | 4 | <10 | 30 | <.1 |
| JUL 11... | 1515 | 20 | 1 | <1 | 190 | -- | 69 | 1 | <10 | 20 | <.1 |

| DATE | TIME | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 02... | 1645 | <1 | 2 | <1 | <1 | 40 | <10 | <.4 | -- | 15 | 34 |
| JUL 11... | 1515 | <1 | <1 | <1 | <1 | 70 | 10 | .0 | 1.7 | 7 | 57 |

07360187 LITTLE MISSOURI RIVER AT ALBERT, AR
(LAT 34 22 33 LONG 093 52 39)

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 02... | 1700 | 9 | 80513 | 80010 | 80 | -- | 6.2 | 11.0 | 10.4 | 733 | 1.3 |
| JUL 11... | 1850 | 9 | 80513 | 80010 | 7.7 | 45 | 7.2 | 29.0 | 7.9 | 763 | 4.2 |

| DATE | TIME | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 02... | 1700 | .67 | 1.5 | .40 | 7.0 | 4.6 | 1.5 | <.10 | 7.4 | 32 | 22 |
| JUL 11... | 1850 | 1.2 | 2.2 | .90 | 15 | 10 | 2.8 | <.10 | 8.2 | 38 | 39 |

| DATE | TIME | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 02... | 1700 | <.10 | -- | <1 | -- | -- | -- | <20 | <20 | -- | -- |
| JUL 11... | 1850 | <.10 | 80 | <1 | 1 | 100 | <10 | <20 | <20 | 1 | <10 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07360187 LITTLE MISSOURI RIVER AT ALBERT, AR--CONTINUED

| DATE | TIME | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABL (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR 02... | 1700 | -- | -- | -- | 33 | -- | -- | -- | -- | -- |
| JUL 11... | 1850 | 1 | 2 | 230 | 89 | 3 | <10 | 20 | <.1 | <1 |

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR 02... | 1700 | -- | -- | -- | 20 | -- | -- | .70 | 7 | 13 |
| JUL 11... | 1850 | <1 | <1 | <1 | 40 | 20 | .0 | 1.2 | 11 | 58 |

07362587 ALUM FORK SALINE RIVER NEAR REFORM, AR
(LAT 34 47 50 LONG 092 56 00)

| DATE | TIME | MEDIUM | AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028) | STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061) | SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095) | PH (STAND-ARD UNITS) (00400) | TEMPER-ATURE (DEG C) (00010) | OXYGEN, DIS-SOLVED (MG/L) (00300) | BARO-METRIC PRES-SURE (MM OF HG) (00025) | CALCIUM DIS-SOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 0930 | 9 | 80513 | 80010 | .05 | 38 | 7.2 | 28.0 | 6.0 | 762 | 2.2 |

| DATE | TIME | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925) | SODIUM, DIS-SOLVED (MG/L AS NA) (00930) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935) | ALKA-LINITY LAB (MG/L AS CACO3) (90410) | 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 11... | 0930 | 1.6 | 2.1 | .60 | 14 | 1.2 | 2.0 | <.10 | 3.9 | 20 | 23 |

| DATE | TIME | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012) | BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022) | BORON, DIS-SOLVED (UG/L AS B) (01020) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 0930 | <.10 | 160 | <1 | 1 | <100 | <10 | <20 | <20 | <1 | 30 |

| DATE | TIME | COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045) | IRON, DIS-SOLVED (UG/L AS FE) (01046) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 0930 | 1 | 3 | 1200 | 640 | 5 | <10 | 110 | .1 | <1 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

RED RIVER BASIN--CONTINUED

07362587 ALUM FORK SALINE RIVER NEAR REFORM, AR--CONTINUED

| DATE | TIME | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077) | STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 11... | 0930 | 3 | <1 | <1 | 50 | 20 | .0 | 2.3 | 11 | 62 |

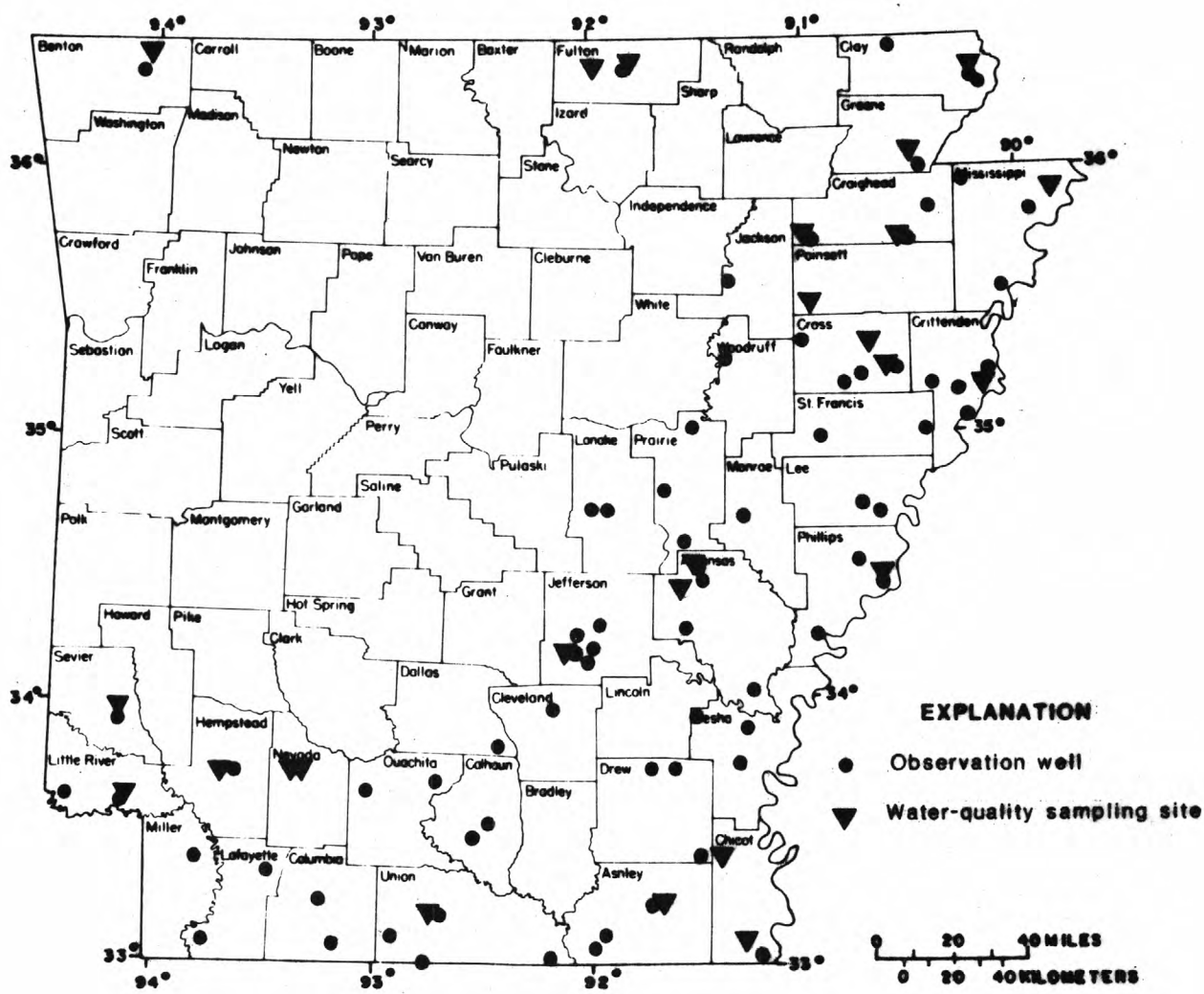



Figure 5.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.
LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.
Owner: Sam Whiting.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in, depth 95 ft, cased 0-92 ft, screened 92-95 ft.
DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--December 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 47.28 ft below land surface.

341537091314001. Local number, 05S05W15ADD1.
LOCATION.--Lat 34°15'37", long 91°31'40", Hydrologic Unit 08020402, near Bayou Meto.
Owner: J. W. Freeman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-8 in, depth 110 ft, screened 65-105 ft.
DATUM.--Land surface, 193 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1954, April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.49 ft below land surface, Mar. 26, 1980; lowest, 56.09 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 50.90 ft below land surface.

342842091303401. Local number, 03S05W02AAB1.
LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.
Owner: Clarence Weaver.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 801 ft, screened 698-798 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1950 available in files of district office.
PERIOD OF RECORD.--March 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft below land surface, Mar. 29, 1951; lowest, 157.98 ft below land surface, Sept. 12, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1984, 147.46 ft below land surface.

342847091345702. Local number, 03S05W06ABA2.
LOCATION.--Lat 34°28'47", long 91°34'57", Hydrologic Unit 08020402, near Stuttgart.
Owner: Russell Roth.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 20 in, depth 123 ft, screened 108-123 ft.
DATUM.--Land surface, 198 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for July 1975, August 1979, and June 1983 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.
LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in, depth 760 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
REMARKS.--Water-level fluctuations caused largely by nearby irrigation pumpage.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.52 ft below land surface, Apr. 27, 1961; lowest, 277.19 ft below land surface, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 215.16 | 186.73 | 174.38 | | | --- | 153.76 | 151.36 | 164.80 | 194.92 | 210.81 | 210.80 |
| 10 | 209.79 | 184.04 | 172.95 | | | --- | 153.13 | 151.05 | 168.67 | 206.08 | 210.80 | 210.80 |
| 15 | 203.21 | 181.83 | 171.45 | | | --- | 152.71 | 152.08 | 176.74 | 215.65 | 210.80 | 210.82 |
| 20 | 197.80 | 179.51 | --- | | | --- | 152.32 | 154.82 | 189.66 | 211.82 | 210.80 | 210.80 |
| 25 | 193.70 | 178.02 | --- | | | 155.03 | 152.04 | 154.03 | 196.17 | 210.80 | 211.52 | 210.06 |
| EOM | 189.53 | 176.23 | --- | | | 154.51 | 151.98 | 152.78 | 203.60 | 210.81 | 210.80 | 201.20 |

WTR YR 1984 MAX 150.89 MAY 7, 1984 MIN 217.24 JULY 17, 1984

342925091314701. Local number 02S05W34ABC1.
LOCATION.--Lat 34°29'25", long 91°31'47", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHRACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 758 ft, cased 0-668 ft, screened 668-758 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, July 1975, August 1979, and June 1983 are available in files of district office.

## ASHLEY COUNTY

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, 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, 86.60 ft below land surface, Mar. 28, 1984; lowest, 93.28 ft below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 87.80 | 87.75 | 87.65 | 87.39 | 87.48 | 87.35 | 87.43 | 87.21 | 87.57 | 87.63 | 87.71 | 87.78 |
| 10 | 87.72 | 87.71 | 87.61 | 87.69 | 87.45 | 87.73 | 87.25 | 87.52 | 87.69 | 87.72 | 87.67 | 87.50 |
| 15 | 87.80 | 87.86 | 87.88 | 87.88 | 87.41 | 87.56 | 87.34 | 87.66 | 87.65 | 87.75 | 87.72 | 87.75 |
| 20 | 87.70 | 87.70 | 87.75 | 88.12 | 87.59 | 87.25 | 87.17 | 87.27 | 87.65 | 87.73 | 87.58 | 87.47 |
| 25 | 87.97 | 87.93 | 88.17 | 87.59 | 87.43 | 87.30 | 87.30 | 87.47 | 87.69 | 87.74 | 87.78 | 87.69 |
| EOM | 87.73 | 87.93 | 88.01 | 87.72 | 87.75 | 87.60 | 87.62 | 87.72 | 87.60 | 87.61 | 87.71 | 87.71 |

WTR YR 1984 MAX 86.60 MAR. 28, 1984 MIN 88.38 DEC. 24, 1983

331015091522401. Local number, 18S08W01AAB1.
LOCATION.--Lat 33°10'15", long 91°52'24", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in, depth 128 ft, cased 0-108 ft.
DATUM.--Land surface, 181 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 0.75 ft above land surface.
PERIOD OF RECORD.--May 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.63 ft below land surface, May 15, 1984; lowest, 78.63 ft below land surface, May 15, 1984.
MEASUREMENT FOR CURRENT YEAR.--May 15, 1984, 78.63 ft below land surface.

331730091423301. Local number, 16S06W27BAA1.
LOCATIONS.--Lat 33°17'30", long 91°42'33", Hydrologic Unit 08040205, near Mist.
Owner: Lloyd Engelkes.
AQUIFER.--Sand and gravel in terrace deposits of Pleistocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 138 ft.
DATUM.--Land surface, 184 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, August 1979, and June 1983 are available in files of district office.

331729091424001. Local number, 16S06W27BAB1.
LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Mist.
Owner: E. T. Muller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 115 ft.
DATUM.--Land surface, 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft above land surface.
PERIOD OF RECORD.--April 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft below land surface, Mar. 6, 1972; lowest, 81.82 ft below land surface, Mar. 24, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 81.82 ft below land surface.

## BENTON COUNTY

361956094061401. Local number, 19N29W07DAB1.
LOCATION.--36°19'56", long 94°06'14", Hydrologic Unit 11010001, at Rogers.
Owner: City of Rogers.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 1,659 ft, cased 0-300 ft, open hole 300-1,659 ft.
DATUM.--Land surface, 1,220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft above land surface.
REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.
PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft below land surface, Dec. 2, 1975; lowest, 279.68 ft below land surface, June 9, 1967.
MEASUREMENT FOR CURRENT YEAR.--Apr. 5, 1984, 133.61 ft below land surface.

362636094012601. Local number, 21N29W35DDB1.
LOCATION.--Lat 36°26'36", long 94°01'26", Hydrologic Unit 11070208, at Pea Ridge National Park.
Owner: National Park Service.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 10 in, depth 1,769 ft, cased 0-416 ft, open hole 416-1,769 ft.
DATUM.--Land surface, 1,406 ft above mean sea level. Measuring point: Airhole in top of casing, 1.50 ft above land surface.
REMARKS.--Water-quality records for January 1965, June 1972, August 1977, and June 1982 are available in files of district office. Water-levels discontinued, May 1978.
PERIOD OF RECORD.--October 1965 to May 1978.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 294.00 ft below land surface, Oct. 12, 1965; lowest 320.22 ft below land surface, June 8, 1967.

## CALHOUN COUNTY

333226092274101. Local number, 13S13W32CDA1.
LOCATION.--Lat 33°32'26", long 92°27'41", Hydrologic Unit 08040201, at Sturgis Street and State Highway No. 274 at Hampton.
Owner: City of Hampton.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, depth 450 ft.
DATUM.--Land surface, 208 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft below land surface, July 6, 1964; lowest, 164.78 ft below land surface, Oct. 22, 1979.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1984, 156.99 ft below land surface.

322932092325001. Local number, 14S14W21ACB1.
LOCATION.--Lat 32°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, 36.04 ft below land surface, Nov. 16-18, 1984.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 35.78 | 35.99 | 35.45 | 34.82 | 34.59 | 34.16 | 33.89 | 33.82 | 34.16 | 34.78 | 35.27 | 35.38 |
| 10 | 35.84 | 35.97 | 35.39 | 34.74 | 34.55 | 34.17 | 33.86 | 33.92 | 34.23 | 34.89 | 35.27 | 35.39 |
| 15 | 35.89 | 36.00 | 35.18 | 34.75 | 34.41 | 34.09 | 33.86 | 33.99 | 34.36 | 34.96 | 35.20 | 35.46 |
| 20 | 35.85 | 35.82 | 35.13 | 34.74 | 34.39 | 33.92 | 33.87 | 34.01 | 34.46 | 35.03 | 35.20 | 35.52 |
| 25 | 35.89 | 35.79 | 35.03 | 34.64 | 34.35 | 33.96 | 33.90 | 34.04 | 34.61 | 35.15 | 35.23 | 35.56 |
| EOM | 35.96 | 35.74 | 34.91 | 34.63 | 34.25 | 33.93 | 33.96 | 34.10 | 34.67 | 35.24 | 35.32 | 35.64 |

WTR YR 1984 MAX 33.81 MAR. 3-4, 1984 MIN 36.04 NOV. 17-18, 1984

## CHICOT COUNTY

330215091120501. Local number, 19S01W21AAA1.
LOCATION.--Lat 33°02'15", long 91°12'05", Hydrologic Unit 08050002, near Readland.
Owner: C. M. Rankin.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 102 ft.
DATUM.--Land surface, 110 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft below land surface, Mar. 29, 1973; lowest, 32.96 ft below land surface, Oct. 2, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 8.70 ft below land surface.

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in, 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, and June 1983 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, 45.47 ft below land surface, Jan. 17, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 40.95 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, 131 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952 and June 1982 are available in files of district office.
PERIOD OF RECORD.--July 1952, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.08 ft below land surface, Mar. 29, 1984; lowest, 24.58 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 24.08 ft below land surface.

## CLAY COUNTY

362311090111002. Local number, 20N08E11BAC2.
LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No. 2).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft.
DATUM.--Land surface, 290 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in bottom of discharge pipe, 4.00 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft below land surface, Mar. 25, 1969; lowest, 18.49 ft below land surface, Apr. 13, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 17.90 ft below land surface.

362311090111301. Local number, 20N08E11BAC3.
LOCATION.--Lat 36°23'11", long 90°11'13", Hydrologic Unit 08020203, near municipal light plant, Piggott (well No. 3).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in, depth 976 ft. Cased 0-900 ft, screened 900-976 ft.
DATUM.--Land surface, 275 ft (84 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1956, June 1970, and April 1975, and June 1982 are available in files of district office.

362502090095801. Local number, 21N08E36ABB1.
LOCATION.--Lat 36°25'02", long 90°09'58", Hydrologic Unit 08020203, near Piggott.
Owner: A. L. Freytag.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 90 ft, cased 0-70 ft, screened 70-90 ft.
DATUM.--Land surface, 283 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in north side of pump, 1.00 ft above land surface.
REMARKS.--Well commonly flows in the early spring.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.80 ft above land surface, Apr. 11, 1973; lowest, 9.48 ft below land surface, Jan. 15, 1957.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, +0.35 ft above land surface.

362759090332401. Local number, 21N05E17ABB1.
LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.
Owner: D and E Farms.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 105 ft.
DATUM.--Land surface, 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land surface, Apr. 4, 1973; lowest, 20.88 ft below land surface, Mar. 11, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 16.71 ft below land surface.

## CLEVELAND COUNTY

335729092112002. Local number, 09S11W01DDA2.
LOCATION.--Lat 33°57'29", long 92°11'20", Hydrologic Unit 08040204, at Rison.
Owner: Town of Rison.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 550 ft, cased 0-500 ft, screened 500-550 ft.
DATUM.--Land surface, 266 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft below land surface, May 13, 1966; lowest, 200.03 ft below land surface, Nov. 28, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 26, 1984, 196.30 ft below land surface.

330557093114601. Local number, 19S20W08DAD1.
LOCATION.--Lat 33°05'57", long 93°11'46", Hydrologic Unit 11140203, at Emerson.
Owner: Town of Emerson.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8-4 in, depth 451 ft, cased 0-431 ft, screened 431-451 ft.
DATUM.--Land surface, 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in cap, 1.00 ft above land surface.
PERIOD OF RECORD.--October 1950, March 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.02 ft below land surface, Oct. 12, 1950; lowest, 260.19 ft below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 11, 1984, 251.88 ft below land surface.

331609093144902. Local number, 17S21W11DCC2.
LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, at Magnolia (city well No. 2).
Owner: City of Magnolia.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 428 ft, cased 0-365 ft, screened 365-425 ft.
DATUM.--Land surface, 303 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTRMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft below land surface, Apr. 29, 1953; lowest, 354.39 ft below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1984, 324.90 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, 78.69 ft below land surface, Aug. 7, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 80.16 | 79.86 | 79.52 | 79.21 | 79.48 | 79.26 | 79.14 | 79.04 | 79.01 | 80.72 | 81.44 | 82.05 |
| 10 | 79.99 | 79.79 | 79.64 | 79.63 | 79.17 | 79.44 | 79.11 | 79.08 | 79.49 | 80.98 | 81.67 | 81.85 |
| 15 | 80.00 | 79.87 | 79.65 | 79.52 | 79.31 | 79.15 | 79.05 | 79.21 | 79.83 | 81.18 | 81.74 | 81.94 |
| 20 | 79.92 | 79.74 | 79.68 | 79.69 | 79.46 | 78.88 | 79.07 | 78.77 | 79.95 | 81.32 | 82.06 | 81.73 |
| 25 | 80.03 | 79.81 | 79.98 | 79.29 | 79.37 | 79.07 | 79.08 | 78.82 | 80.19 | 81.17 | 82.30 | 81.78 |
| EOM | 79.87 | 79.89 | 79.72 | 79.45 | 79.62 | 79.54 | 79.32 | 78.93 | 80.50 | 80.86 | 82.41 | 81.72 |

WTR YR 1984 MAX 78.67 MAY 3, 1984 MIN 82.51 AUG. 30, 1984

354236090504401. Local number 13N02E35DAC1.
LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 19... | 0930 | 6 | 80513 | 80010 | 740 | 7.2 | 17.0 | <1 | 310 | 0 |

354236090504401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 19... | 0930 | 0 | 91 | 19 | 29 | 17 | .8 | 1.8 | 335 | 41 |

| DATE | TIME | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 19... | 0930 | 50 | 11 | .20 | 35 | 417 | 440 | .57 | <.10 | .020 |

| DATE | TIME | 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 19... | 0930 | .06 | 210 | 1 | 30 | <1 | <3 | <10 | 3900 |

| 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) | STRONTIUM, DISSOLVED (UG/L AS SR) (01080) | VANADIUM, DISSOLVED (UG/L AS V) (01085) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 19... | 0930 | <10 | 15 | 360 | <10 | 330 | <6 | 5 | <200 |

354921090281201. Local number, 14N06E20CCD1.
LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.
Owner: Harley Box.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in, depth 150 ft, casing, slotted, 125-150 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. South side, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land surface, Apr. 9, 1973; lowest, 5.79 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 4.20 ft below land surface.

354635090365601. Local number, 13N04E12ABB1.
LOCATION.--Lat 35°46'35", long 90°36'56", Hydrologic Unit 08020203, near Bay.
Owner: Wilburn Morrison.
AQUIFER.--Sand and gravel or Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 10 in, depth 110 ft, cased 0-70 ft, screened 70-110 ft.
DATRUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut-out in North side of casing, 1.50 ft above land sand surface.
REMARKS.--Water-quality records for August 1984. This well replaced 13N05E21BDD1 for a master well.
PERIOD OF RECORD.--August 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest waer level measured, 19.30 ft below land surface, Aug. 7, 1984; lowest, 19.30 ft below land surface, Aug. 7, 1984.

354635090365601--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 07... | 1230 | 6 | 80513 | 80010 | 640 | 7.5 | 16.0 | 2 | 260 | 0 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 07... | 1230 | 0 | 76 | 17 | 23 | 16 | .6 | 1.1 | 285 | 295 |

| DATE | TIME | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 07... | 1230 | 17 | 16 | 11 | .20 | 24 | 363 | 340 | .49 | <.10 |

| 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 07... | 1230 | .040 | .12 | 280 | <.0 | <20 | <1 | <3 | <10 | 3000 |

| 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) | STRONTIUM, DISSOLVED (UG/L AS SR) (01080) | VANADIUM, DISSOLVED (UG/L AS V) (01085) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| AUG 07... | 1230 | <10 | 9 | 150 | <10 | 160 | <6 | 7 | <200 |

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.
Owner: Town of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft above land surface.
REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1984, 10.60 ft below land surface.

350344090130000. Local number, 05N08E11CCA1.
LOCATION.--Lat 35°03'44", long 90°13'00", Hydrologic Unit 08020203, near Louise. (site no. AR: H-2).
Owner: U.S.G.S. and M.L.G.W.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation aretsian well, diameter 6 in, depth 500 ft, cased 0-480 ft, screened 480-500 ft.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for March 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.29 ft below land surface, May 31, 1983; lowest, 26.22 ft below land surface, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 25.93 | 25.80 | 23.04 | 23.53 | 23.70 | 22.08 | 19.61 | 17.90 | 18.57 | 20.03 | 22.39 | 23.92 |
| 10 | 26.08 | 25.58 | 22.70 | 23.90 | 23.85 | 21.69 | 19.15 | 17.41 | 18.99 | 20.22 | 22.56 | 23.99 |
| 15 | 26.22 | 25.50 | 22.74 | 24.01 | 23.70 | 21.74 | 18.86 | 16.62 | 19.52 | 20.53 | 22.89 | 24.26 |
| 20 | 26.02 | 25.02 | 22.85 | 24.26 | 22.72 | 22.01 | 18.89 | 15.95 | 19.44 | 21.06 | 22.78 | 24.37 |
| 25 | 25.87 | 24.64 | 23.43 | 24.13 | 22.17 | 20.97 | 19.50 | 16.17 | 19.55 | 21.61 | 23.26 | 24.51 |
| EOM | 25.20 | 23.97 | 23.75 | 23.80 | 22.26 | 20.40 | 18.88 | 17.85 | 19.73 | 22.07 | 23.72 | 24.58 |

WTR YR 1984 MAX 15.95 MAY 20, 1984 MIN 26.22 OCT. 15, 1983

350958090173800. Local number, 06N07E01DAD1.
LOCATION.--Lat 35°09'58", long 90°17'38", Hydrologic Unit 08020203, near Lehi, (site no. AR: C-1).
Owner: U.S.G.S. and M.L.G.W. (well on W. J. Carlson Farm).
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in depth 622 ft, cased 0-602 ft, screened 602-622 ft.
DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for April 1983, are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.31 ft below land surface, June 20, 1983; lowest, 20.64 ft below land surface, Oct. 15, 31, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 20.51 | 20.53 | 20.01 | 19.27 | 19.41 | 19.04 | --- | 17.10 | 16.00 | 17.13 | 18.63 | 19.69 |
| 10 | 20.60 | 20.42 | 19.99 | 19.36 | 19.43 | 19.09 | --- | --- | 16.03 | 17.47 | 18.76 | 19.68 |
| 15 | 20.64 | 20.43 | 19.79 | 19.44 | 19.39 | 18.87 | --- | --- | 16.16 | 17.71 | 18.94 | 19.92 |
| 20 | 20.47 | 20.28 | 19.75 | 19.55 | 19.42 | 18.62 | --- | --- | 16.36 | 17.93 | 19.05 | 19.94 |
| 25 | 20.59 | 20.35 | 19.54 | 19.37 | 19.34 | 18.59 | --- | --- | 16.64 | 18.19 | 19.32 | 19.97 |
| EOM | 20.64 | 20.34 | 19.51 | 19.49 | 19.32 | 18.58 | --- | 16.09 | 16.86 | 18.42 | 19.51 | 20.08 |

WTR YR 1984 MAX 16.00 JUNE 5, 1984 MIN 20.64 OCT. 15, 31, 1983

350906090104201. Local number, 06N09E07CAC1.
LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203.
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, and June 1981 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, 60.93 ft below land surface, Mar. 16, 1983.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 21, 1984, 57.42 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 0830 | 6 | 80513 | 80010 | 196 | 7.4 | 24.0 | <1 | 7 | 0 |

350906090104201--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 0830 | 0 | 2.1 | .52 | 42 | 91 | 7 | 1.2 | 100 | 99 |

| DATE | TIME | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 0830 | 7.7 | 4.0 | 1.6 | .10 | 9.7 | 132 | 120 | .18 | <.10 |

| 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 0830 | .160 | .49 | 32 | 1 | 60 | <1 | <3 | <10 | 310 |

| 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) | STRONTIUM, DISSOLVED (UG/L AS SR) (01080) | VANADIUM, DISSOLVED (UG/L AS V) (01085) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 0830 | <10 | 13 | 19 | <10 | 64 | <6 | 8 | <200 |

351043090235901. Local number, 07N07E31CCC1.
LOCATION.--Lat 35°10'43", long 90°23'59", Hydrologic Unit 08020203, near Lansing.
Owner: John McKnight.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in, depth 98 ft.
DATUM.--Land surface, 207 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft below land surface, May 17, 1958; lowest, 19.78 ft below land surface, Mar. 16, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 19.72 ft below land surface.

351349090062800. Local number, 07N09E14BAC1.
LOCATION.--Lat 35°13'49", long 90°06'28", Hydrologic Unit 08020203, about 4 mi east of Marion, (site no. AR: 0-1).
Owner: U.S.G.S. and M.L.G.W. (well on J. F. Fageman Heirs property.)
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 497 ft, cased 0-477 ft, screened 477-497 ft.
DATUM.--Land surface, 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for April 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.44 ft below land surface, May 31, 1983; lowest, 35.84 ft below land surface, Sept. 20, 1983.

351349090062800--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 35.26 | 34.52 | 30.14 | 31.53 | 32.70 | 30.42 | 26.71 | 24.05 | 26.49 | 28.92 | 31.70 | 33.24 |
| 10 | 35.37 | 33.83 | 29.44 | 32.46 | 32.74 | 29.81 | 25.90 | 23.47 | 27.38 | 28.93 | 31.93 | 33.38 |
| 15 | 35.37 | 33.88 | 29.84 | 32.70 | 32.51 | 30.28 | 25.52 | 22.08 | 28.14 | 29.43 | 32.22 | 33.52 |
| 20 | 34.96 | 33.21 | 30.06 | 33.14 | 31.17 | 30.42 | 25.69 | 21.56 | 28.21 | 30.11 | 32.00 | 33.83 |
| 25 | 34.29 | 32.51 | 31.12 | 33.09 | 30.49 | 28.88 | 26.75 | 22.42 | 28.36 | 30.72 | 32.71 | 34.03 |
| EOM | 33.77 | 31.53 | 31.52 | 32.54 | 30.80 | 27.94 | 25.18 | 25.53 | 28.55 | 31.31 | 33.14 | 34.00 |

WTR YR 1984 MAX 21.56 MAY 20, 1984 MIN 35.37 OCT. 10, 15, 1983

CROSS COUNTY

351542090332002. Local number, 07N05E03BCD2.
LOCATION.--Lat 35°15'42", long 90°33'20", Hydrologic Unit 08020203, (city well No. 2).
Owner: Parkin Water Company.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe south side of pump, 1.00 ft above land surface.
REMARKS.--Water-quality records available: For city well 07N05E04ADB1: December 1976.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.86 ft below land surface, Mar. 23, 1984; lowest, 30.66 ft below land surface, Mar. 17, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 18.86 ft below land surface.

351544090334101. Local number, 07N05E04ADB1.
LOCATION.--Lat 35°15'44", long 90°33'41", Hydrologic Unit 08020203.
Owner: Parkin Water Company.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 462 ft.
DATUM.--Land surface, 206 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1230 | 6 | 80513 | 80010 | 227 | 7.5 | 20.0 | 2 | 65 | 0 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1230 | 0 | 18 | 4.5 | 21 | 39 | 1 | 5.2 | 110 | 109 |

| DATE | TIME | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1230 | 6.7 | 9.8 | 3.3 | .10 | 13 | 144 | 140 | .20 | <.10 |

| 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1230 | .030 | .09 | 350 | 1 | 60 | <1 | <3 | <10 | 1000 |

351544090334101--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | STRONTIUM, DISSOLVED (UG/L AS SR) (01080) | VANADIUM, DISSOLVED (UG/L AS V) (01085) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1230 | <10 | 12 | 36 | <10 | 830 | <6 | 470 | <200 |

352231090421501. Local number, 09N04E30DCA1.
LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.
Owner: Vanndale-Birdeye Water Association.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,148 ft, cased 0-1,038 ft, screened 1,038-1,148 ft.
DATUM.--Land surface, 429 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe in pump base, 2.50 ft above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.
PERIOD OF RECORD.--July 26, 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 240.47 ft below land surface, Mar. 22, 1976; lowest, 258.50 ft below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 247.41 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1030 | 6 | 80513 | 80010 | 538 | 7.4 | 21.5 | <1 | 230 | 0 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1030 | 0 | 59 | 20 | 23 | 18 | .7 | 2.0 | 278 | 278 |

| DATE | TIME | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1030 | 21 | 9.6 | 3.8 | .20 | 16 | 306 | 300 | .42 | <.10 |

| 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1030 | .020 | .06 | 140 | <.0 | <20 | <1 | <3 | <10 | 1300 |

| 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) | STRONTIUM, DISSOLVED (UG/L AS SR) (01080) | VANADIUM, DISSOLVED (UG/L AS V) (01085) | ZINC, DISSOLVED (UG/L AS ZN) (01090) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 17... | 1030 | 10 | 9 | 93 | <10 | 260 | <6 | 15 | <200 |

CROSS COUNTY--Continued

351326090473603. Local number, 07N03E16CCC3.
LOCATION.--Lat 35°13'26", long 90°47'36", Hydrologic Unit 08020205, at Wynne (city well No. 3).
Owner: City of Wynne.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 800 ft, cased 730 ft, screened 730-800 ft.
DATUM.--Land surface, 253 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft above land surface.
REMARKS.--Well is infrequently pumped.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.02 ft below land surface, Apr. 4, 1968; lowest, 83.20 ft below land surface, Mar. 26, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 79.78 ft below land surface.

351456090423201. Local number, 07N04E07ABC1.
LOCATION.--Lat 35°14'56", long 90°42'32", Hydrologic Unit 08020203, near Princedale.
Owner: J. E. Hollan, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in, depth 196 ft.
DATUM.--Land surface, 222 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft above land surface.
PERIOD OF RECORD.--February 1955, February 1961-62, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.68 ft below land surface, Sept. 16, 1975; lowest, 46.94 ft below land surface, Jan. 14, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 44.27 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 water-table well, diameter 12-8 in.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to April 1974, March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft below land surface, June 19, 1957; lowest, 58.74 ft below land surface, Mar. 29, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 58.74 ft below land surface.

## DALLAS COUNTY

334830092245702. Local number, 10S13W34ACA2.
LOCATION.--Lat 33°48'30", long 92°24'57", Hydrologic Unit 08040201, at Fordyce.
Owner: Fordyce Water Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 10-8 in, depth 888 ft.
DATUM.--Land surface, 272 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--October 1949 to May 1950, June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.81 ft below land surface, May 8, 1950; lowest, 141.08 ft below land surface, Mar. 31, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 140.83 ft below land surface.

## DESHA COUNTY

334615091170501. Local number, 11S02W03CCA1.
LOCATION.--Lat 33°46'15", long 91°17'05", Hydrologic Unit 08050002, near Rohwer.
Owner: R. A. Adcock.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 754 ft, cased 0-679 ft, screened 679-754 ft.
DATUM.--Land surface, 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--July 1952, December 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft below land surface, July 27, 1952; lowest, 50.47 ft below land surface, Mar. 27, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 50.47 ft below land surface.

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, 23.27 ft below land surface, Aug. 31, 1982.

335810091325301--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 21.28 | 20.10 | 18.11 | 16.66 | 15.58 | 14.51 | 13.25 | 12.39 | 13.95 | 17.46 | 19.61 | 20.75 |
| 10 | 21.05 | 19.94 | 17.96 | 16.46 | 15.59 | 14.15 | 12.95 | 12.18 | 14.68 | 17.56 | 19.75 | 20.81 |
| 15 | 20.83 | 19.79 | 17.42 | 16.31 | 14.94 | 14.03 | 12.77 | 12.12 | 15.53 | 17.88 | 19.87 | 20.79 |
| 20 | 20.63 | 19.66 | 17.35 | 16.30 | 14.77 | 13.60 | 12.79 | 12.40 | 16.27 | 18.10 | 19.89 | 20.70 |
| 25 | 20.45 | 18.93 | 17.05 | 16.01 | 14.78 | 13.54 | 12.80 | 12.53 | 16.87 | 18.53 | 20.19 | 20.59 |
| EOM | 20.26 | 18.63 | 16.84 | 15.63 | 14.70 | 13.51 | 12.86 | 13.31 | 17.34 | 19.20 | 20.53 | 20.42 |

WTR YR 1984 MAX 12.12 MAY 12-16, 1984 MIN 21.48 OCT. 1, 1983

335810091325301. Local number, 09S04W06BBC1.
LOCATION.--Lat 33°58'10", long 91°32'53", Hydrologic Unit 08050001, near Gould.
Owner: Holthoff Brothers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 102 ft, screened 70-102 ft.
DATUM.--Land surface, 161.75 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--August 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft below land surface, May 8, 1958; lowest, 26.88 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 26.88 below land surface.

## DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in, depth 760 ft, cased 0-680 ft, screened 680-760 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.03 ft below land surface, June 12, 1962; lowest, 51.96 ft below land surface, Apr. 16, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 16, 1984, 51.96 ft below land surface.

334545091383701. Local number, 11S05W08CCC1.
LOCATION.--Lat 33°45'45", long 91°38'37", Hydrologic Unit 08040205, near Florence.
Owner: J. E. Holloway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 153 ft, cased 0-93 ft, screened 93-153 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in pump, south side, 2.00 ft above land surface.
PERIOD OF RECORD.--January 1965 to March 1968, March 1970 to March 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.47 ft below land surface, May 6, 1965; lowest, 36.03 ft below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1983, 32.59 ft below land surface.

334601091412101. Local number, 11S06W11DBC1.
LOCATION.--Lat 33°46'01", long 91°41'21", Hydrologic Unit 08040205, near Florence.
Owner: James E. Henley, Jr.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 864 ft, cased 0-824 ft, screened 824-864 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1953 available in files of district office.
PERIOD OF RECORD.--March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.10 ft below land surface, March 27, 1964; lowest, 131.77 ft below land surface, Apr. 17, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 17, 1984, 131.77 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, and June 1982 are available in files of district office.

362207091492401. Local number, 20N08W27ABD1.
LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,282 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft below land surface, Apr. 18, 1979; lowest, 50.73 ft below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 21.88 ft below land surface.

362359091590001. Local number, 20N09W18ACB1.
LOCATION.--Lat 36°23'59", long 91°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 950 ft.
DATUM.--Land surface, 860 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 111.08 ft below land surface, Mar. 21, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1984, 111.08 ft below land surface.

## 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, 109.95 ft below land surface, Mar. 25, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 91.10 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | COLOR (PLATINUM-COBALT UNITS) (00080) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 1130 | 6 | 80513 | 80010 | 281 | 7.2 | 19.0 | 13 | 15 | 0 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | PERCENT SODIUM (00932) | SODIUM ADSORPTION RATIO (00931) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 1130 | 0 | 4.1 | 1.1 | 57 | 88 | 7 | 2.1 | 143 | 143 |

| DATE | TIME | CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | SOLIDS, DISSOLVED (TONS PER AC-FT) (70303) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 1130 | 17 | 2.3 | 2.6 | .20 | 12 | 186 | 170 | .25 | <.10 |

| 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) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 1130 | .300 | .92 | 35 | 1 | 180 | <1 | <3 | <10 | 420 |

360322090290401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| 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) | 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) | TRITIUM TOTAL (PCI/L) (07000) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 18... | 1130 | <10 | 27 | 24 | <10 | 110 | <6 | 17 | <200 |

360219090262501. Local number, 16N06E03CCC1.
LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.
Owner: Otis Williams.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 194 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 40.01 ft below land surface, July 22, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 28.91 ft below land surface.

## HEMPSTEAD COUNTY

334345093373701. Local number, 12S24W06CDC1.
LOCATION.--Lat 33°43'45", long 93°37'37", Hydrologic Unit 11140201, at Hope (city well No. 5).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,156 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for June 1972, January 1977, and June 1982 are available in files of district office.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft below land surface, Apr. 14, 1972; lowest, 189.88 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 175.97 ft below land surface.

334358093370101. Local number, 12S24W06DAD1.
LOCATION.--Lat 33°43'58", long 93°37'01", Hydrologic Unit 11140201, at Hope (city well No. 2).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,200 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in pipe in south side of concrete base, 0.80 ft above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft below land surface, Apr. 5, 1971; lowest, 200.45 ft below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 177.62 ft below land surface.

## JACKSON COUNTY

353323091213701. Local number, 11N03W30CBA1.
LOCATION.--Lat 35°33'23", long 91°21'37", Hydrologic Unit 11010013, near Olyphant.
Owner: R. D. Wilmans, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 14 in, depth 90 ft, cased 0-60 ft, screened 60-90 ft.
DATUM.--Land surface, 223 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of casing, at land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.54 ft below land surface, Mar. 20, 1979; lowest, 28.25 ft below land surface, Sept. 21, 1959.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1984, 15.57 ft below land surface.

## JEFFERSON COUNTY

340901091564601. Local number, 07S08W06BAA1.
LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.
Owner: W. K. Shell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 160 ft, cased 0-120 ft, screened 120-160 ft.
DATUM.--Land surface, 202.31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in pipe on south side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft below land surface, Apr. 5, 1962; lowest, 21.09 ft below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 18, 1984, 13.93 ft below land surface.

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38",long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, 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.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|---|---|
| Oct. 20 | 238.20 | Jan. 25 | 238.20 | Mar. 21 | 227.25 | June 26 | 231.00 | Aug. 25 | 230.55 |
| Nov. 22 | 238.10 | Feb. 22 | 228.10 | Apr. 25 | 246.65 | July 25 | 231.60 | Sept. 20 | 231.10 |
| | | | | May 22 | 226.20 | | | | |

341151092022101. Local number, 06S09W17CCA1.
LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in, depth 906 ft.
DATUM.--Land surface, 234.34 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.36 ft below land surface, Oct. 17, 1956; lowest, 255.90 ft below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 18, 1984, 247.19 ft below land surface.

341147092022301. Local number, 06S09W17CCB1.
LOCATION.--Lat 34°11'47", long 92°02'23", Hydrologic Unit 08040205, near Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation (well No. 16).
AQUIFER.--Sparta Sand of Eocene Age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-8 in, depth 963 ft, cased 0-783 ft, screened 783-863 ft.
DATUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for December 1968, June 1975, August 1979, and June 1983 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 809 ft.
DATUM.--Land surface, 204.67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft below land surface, May 23, 1957; lowest, 271.59 ft below land surface, Mar. 24, 1981.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 18, 1984, 255.20 ft below land surface.

342116091474501. Local number, 04S07W17CCB1.
LOCATION.--Lat 34°21'16", long 91°47'45", Hydrologic Unit 08020401, near Wabbaseka.
Owner: Frank Ragland.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in, depth 101 ft, cased 0-71 ft, screened 71-101 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 7.00 ft above land surface.
PERIOD OF RECORD.--October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.05 ft below land surface, Feb. 27, 1952; lowest, 42.55 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 42.55 ft below land surface.

## LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.
LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.
Owner: Earl Stanley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in, depth 63 ft, cased 0-43 ft, screened 43-63 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft below land surface, Apr. 1, 1959; lowest, 17.67 ft below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1984, 14.11 ft below land surface.

332145093280402. Local number, 16S23W10DCA2.
LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
Owner: Arkansas Power and Light Company.
AQUIFER.--Cane River Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 355 ft.
DATUM.--Land surface, 293.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 31, 1953; lowest, 88.90 ft below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1984, 70.19 ft below land surface.

## LEE COUNTY

344203090411601. Local number, 01N04E09DCC1.
LOCATION.--Lat 34°42'03", long 90°41'16", Hydrologic Unit 08020203, near Marianna.
Owner: U.S. Geological Survey.
AQUIFER.--Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6-3 in, 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: 1/4-in 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, 9.64 ft below land surface, Apr. 10, 1967; lowest, 28.70 ft below land surface, Mar. 22, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 28.70 ft below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in, depth 168 ft.
DATUM.--Land surface, 236.43 ft National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft below land surface, Apr. 17, 1961; lowest, 49.67 ft below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 41.45 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 are available in files of district office.

333951094071501. Local number, 13S29W05ABC1.
LOCATION.--Lat 33°39'51", long 94°07'15", Hydrologic Unit 11140109, near Ashdown.
Owner: Diggs and Hagan.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-8 in, depth 98 ft, cased 0-58 ft, screened 58-98 ft.
DATUM.--Land surface, 330 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
REMARKS.--Water-quality records for 1972 available in files of district office.
PERIOD OF RECORD.--March 1957 to March 1968, April 1971 to April 1973, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land surface, Dec. 2, 1958; lowest, 48.16 ft below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 24.11 ft below land surface.

333851094254201. Local number 13S32W09CCC1.
LOCATION.--Lat 33°38'51", long 94°25'42", Hydrologic Unit 11140106, near Foreman.
Owner: W. L. Matteson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 4 in, depth 52 ft, cased 0-42 ft, screened 45-52 ft.
DATUM.--Land surface, 313 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.87 ft below land surface, Mar. 29, 1983; lowest, 5.47 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1984, 1.84 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, 114.37 ft below land surface, Sept. 5-6, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 111.21 | 110.14 | 109.06 | 108.87 | 108.70 | 108.17 | 108.71 | 109.04 | 109.18 | 111.03 | 112.76 | 113.55 |
| 10 | 111.49 | 109.84 | 108.87 | 109.02 | 108.13 | 108.48 | 109.38 | 108.99 | 110.06 | 111.53 | 112.57 | 112.57 |
| 15 | 111.06 | --- | 109.51 | 108.90 | --- | 108.25 | 110.05 | 109.05 | 110.89 | 112.03 | 112.57 | 112.44 |
| 20 | 110.59 | --- | 109.27 | 108.38 | 108.48 | 108.08 | 110.00 | 108.93 | 110.31 | 111.45 | 112.57 | 111.84 |
| 25 | 110.77 | --- | 108.87 | 108.23 | 108.33 | 108.49 | 109.85 | 109.06 | 110.84 | 112.26 | 112.67 | 113.03 |
| EOM | 110.34 | 109.73 | 109.09 | 108.23 | 108.61 | 108.74 | 109.79 | 108.96 | 110.90 | 112.55 | 113.43 | 113.33 |

WTR YR 1984 MAX 107.75 FEB. 27, 1984 MIN 113.57 SEPT. 2-4, 1984

344955091565301. Local number, 02N09W02BCB1.
LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoke.
Owner: Joe Bob Gotcher.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 128 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.
PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft below land surface, Mar. 28, 1937; lowest, 106.82 ft below land surface, May 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1984, 97.80 ft below land surface.

## MILLER COUNTY

332441093461401. Local number, 15S26W34AAA1.
LOCATION.--Lat 33°24'41", long 93°46'14", Hydrologic Unit 11140201, near Garland on U.S. Highway No. 82.
Owner: Harold E. Beck.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 41 ft.
DATUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1960, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.25 ft below land surface, August 21, 1970; lowest, 13.98 ft below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 13, 1984, 7.15 ft below land surface.

## MISSISSIPPI COUNTY

353213090072701. Local number, 11N09E34BBB1.
LOCATION.--Lat 35°32'13", long 90°07'27", Hydrologic Unit 08020203, near Bassett.
Owner: Crain Company.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 94 ft, cased 0-84 ft, screened 84-94 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft above land surface.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.48 ft below land surface, May 14, 1958; lowest, 14.18 ft below land surface, Mar. 23, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 12.91 ft below land surface.

355005090034601. Local number, 14N10E18ABC1.
LOCATION.--Lat 35°50'05", long 90°03'46", Hydrologic Unit 08020203, near Dell.
Owner: R. A. Greenway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 101 ft, cased 0-51 ft, screened 51-101 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land surface.
REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 4.90 ft below land surface, Dec. 11, 1957; lowest, 15.86 ft below land surface, Nov. 18, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 11.22 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 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.--Mar. 21, 1984, 8.00 ft below land surface.

355323089552101. Local number 15N11E28CAC1.
LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,400 ft, cased 0-1,337 ft, sreened 1,337 -1,400 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, and June 1982 are available in files of district office. Water-level measurement discontinued.
PERIOD OF RECORD.--March 1968 to April 1972.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.90 ft below land surface, Apr. 11, 1968; lowest, 19.89 ft below land surface, Apr. 14, 1972.

## MONROE COUNTY

344135091165101. Local number, 01N03W24BBB1.
LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.
Owner: B. B. Bateman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in, depth 108 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957, February 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft below land surface, Apr. 16, 1962; lowest, 24.60 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1984, 21.93 ft below land surface.

## NEVADA COUNTY

334756093231801. Local number, 11S22W08DAC1.
LOCATION.--Lat 33°47'56", long 93°23'18", Hydrologic Unit 08040103, at Prescott (city well No. 1).
Owner: City of Prescott.
AQUIFER.--Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 11-6 in, depth 1,052 ft, cased 0-1,002 ft, screened 1,002-1,052 ft.
DATUM.--Land surface, 305 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in plug in concrete base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, and June 1983 are available in files of district office.
PERIOD OF RECORD.--February 1970 to current year.
EXTREMES FOR PERIOD OF REORD.--Highest water level measured, 94.05 ft below land surface, Mar. 23, 1972; lowest, 170.33 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 153.58 ft below land surface.

334759093231301. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in, 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 are available in files of district office.
PERIOD OF RECORD.--May 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.79 ft below land surface, Mar. 27, 1980; lowest, 138.42 ft below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1984, 117.00 ft below land surface.

OUACHITA COUNTY

334018092594801. Local number, 12S18W19CDC1.
LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
Owner: U.S. Geological Survey.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 120 ft, cased 0-117 ft, screened 117-120 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft below land surface, Mar. 31, 1975; lowest, 53.20 ft below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1984, 43.94 ft below land surface.

334215092413201. Local number, 12S16W12ADB1.
LOCATION.--Lat 33°42'15", long 92°41'32', Hydrologic Unit 08040102, near Eagle Mills.
Owner: J. S. J. Lyle Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 300 ft.
DATUM.--Land surface, 159 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft below land surface, May 15, 1962; lowest, 30.27 ft below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1984, 25.42 ft below land surface.

PHILLIPS COUNTY

341534090563001. Local number, 05S02E18BDA1.
LOCATION.--Lat 34°15'34", long 90°56'30", Hydrolgic Unit 08020303, near Ratio.
Owner: Brooks Griffith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 130 ft.
DATUM.--Land surface, 156 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft below land surface, Apr. 17, 1961; lowest, 22.53 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1984, 13.58 ft below land surface.

342910090363401. Local number, 02S05E29CBC1.
LOCATION.--Lat 34°29'30", long 90°36'34", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 377 ft, cased 0-298 ft, screened 298-358 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929.
REMARKS.--This well replaced 02S05E29CCC1 for quality-water records. Water-quality records for June 1982 are available in files of district office.

342856090363601. Local number, 02S05E29CCC1.
LOCATION.--Lat 34°28'56", long 90°36'36", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in, depth 308 ft, cased 0-278 ft, screened 278-308 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
REMARKS.--Water-quality records for June 1970 and March 1975 are available in files of district office.
PERIOD OF RECORD.--February 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.17 ft below land surface, May 22, 1983; lowest, 98.13 ft below land surface, July 13, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | --- | 33.29 | 28.80 | 29.96 | 29.24 | 33.47 | 32.42 | 27.48 | 28.66 | 31.30 | 32.63 | 36.86 |
| 10 | --- | 32.87 | 28.99 | 29.75 | 34.22 | 31.40 | 30.89 | 30.84 | 28.51 | 32.09 | 34.47 | 36.50 |
| 15 | --- | 32.05 | 28.22 | 29.07 | 34.01 | 33.07 | 31.87 | 29.98 | 29.69 | 34.33 | 34.61 | 36.16 |
| 20 | 33.66 | 32.64 | 28.02 | 30.64 | 33.78 | 32.64 | 29.99 | 29.05 | 30.44 | 33.86 | 35.05 | 36.00 |
| 25 | 32.87 | 31.13 | 29.93 | 31.89 | 32.30 | 33.96 | 30.56 | 28.46 | 30.83 | 33.57 | 35.49 | 36.88 |
| EOM | 34.85 | 29.74 | 29.29 | 29.49 | 36.03 | 31.86 | 30.18 | 26.66 | 30.40 | 33.15 | 37.41 | 34.44 |

WTR YR 1984 MAX 26.37 MAY 29, 1984 MIN 38.02 AUG. 31, 1984

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, 17.44 ft below land surface, Aug. 11, 1982, and Sept. 9, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | --- | 15.27 | 13.80 | 11.72 | 11.85 | 10.32 | 9.05 | 7.32 | 10.97 | 14.19 | 15.20 | 15.63 |
| 10 | --- | 15.28 | 13.49 | 11.80 | 11.92 | 9.75 | 9.12 | 6.89 | 11.31 | 14.47 | 15.30 | 15.75 |
| 15 | --- | 15.34 | 12.96 | 12.04 | 10.67 | 9.19 | 9.34 | 8.05 | 12.34 | 14.74 | 15.23 | 15.90 |
| 20 | 15.30 | 15.25 | 12.68 | 12.48 | 10.45 | 9.05 | 9.76 | 8.42 | 13.04 | 14.98 | 15.24 | 16.02 |
| 25 | 15.25 | 14.88 | 12.08 | 11.88 | 10.63 | 9.82 | 9.49 | 9.07 | 13.40 | 15.21 | 15.32 | 16.15 |
| EOM | 15.24 | 14.60 | 11.96 | 11.75 | 10.57 | 9.82 | 10.25 | 10.06 | 13.83 | 15.16 | 15.48 | 16.08 |

WTR YR 1984 MAX 6.81 MAY 9, 1984 MIN 16.17 SEPT. 25-26, 1984

## 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, and June 1982, are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft below land surface, Apr. 8, 1968; lowest, 69.73 ft below land surface, Mar. 29, 1984.
MEASUREMEMT FOR CURRENT YEAR.--Mar. 29, 1984, 69.73 ft below land surface.

## PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
Owner: Mike Prislovsky.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 632 ft, cased 0-545 ft, screened 545-632 ft.
DATUM.--Land surface, 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1937, April 1942, May 1947, October 1949 to current year.
EXTREMES FOR PEROD OF RECORD.--Highest water level measured, 50.43 ft below land surface, Apr. 29, 1938; lowest 140.30 ft below land surface, Mar. 22, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 140.30 ft below land surface.

344644091382801. Local number, 02N06W21DAD1.
LOCATION.--Lat 34°46'44", long 91°38'28", Hydrologic Unit 08020303, near Carlisle.
Owner: E. O. Hansen, Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in, depth 314 ft, cased 0-254 ft, screened 254-314 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--July 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft below land surface, Mar. 20, 1963; lowest, 114.67 ft below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 104.65 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 18-12 in.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft below land surface, Apr. 2, 1968; lowest, 63.60 ft below land surface, Mar. 23, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 63.30 ft below land surface.

345848090521903. Local number, 04N02E03DDD3.
LOCATION.--Lat 34°58'48", long 90°52'19", Hydrologic Unit 08020205, near Palestine at Hamilton Moses Plant (plant well No. 3).
Owner: Arkansas Power and Light Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in, depth 151 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.23 ft below land surface, June 29, 1961; lowest, 32.01 ft below land surface, Mar. 20, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1984, 32.01 ft below land surface.

350029090265801. Local number, 05N06E34CAB1.
LOCATION.--Lat 35°00'29", long 90°26'58", Hydrologic Unit 08020203, near Greasy Corner.
Owner: C. D. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-10 in, depth 110 ft.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1955, February 1961, March 1962, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft below land surface, Mar. 31, 1975; lowest, 26.13 ft below land surface, Mar. 18, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1984, 21.71 ft below land surface.

## SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 1).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 197 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft below land surface, Apr. 17, 1968; lowest, 81.76 ft below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1984, 73.16 ft below land surface.

335806094100102. Local number, 09S30W23BDD2.
LOCATION.--33°58'06", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 2).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 195 ft, screened 175-195 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, February 1977, and June 1982 are available in files of district office.

## UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in, depth 601 ft, cased 0-546 ft, screened 546-601 ft.
DATUM.--Land surface, 175 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, south side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft below land surface, Nov. 11, 1967; lowest, 213.58 ft below land surface, Mar. 30, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1984, 211.80 ft below land surface.

330228092110101. Local number, 19S10W19CCD1.
LOCATION.--Lat 33°02'28", long 92°11'01", Hydrologic Unit 08040202, at Huttig.
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 770 ft, cased 0-700 ft, screened 700-770 ft.
DATUM.--Land surface, 98 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office. Well destroyed.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.35 ft below land surface, May 10, 1966; lowest, 90.42 ft below land surface, April 1, 1982.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1983, 85.88 ft below land surface.

331358092424301. Local number, 17S16W24BDB1.
LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
Owner: City of El Dorado.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in, depth 615 ft, cased 0-493 ft, screened 493-615 ft.
DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1972, August 1977, and June 1981 are available in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft below land surface, Apr. 10, 1973; lowest, 367.38 ft below land surface, Mar. 21, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1984, 359.53 ft below land surface.

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, 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, 357.51 ft below land surface, July 30, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUE

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 335.34 | 332.51 | 329.71 | 337.15 | 336.90 | 335.34 | 335.35 | 329.48 | 330.71 | 332.87 | 332.73 | 332.77 |
| 10 | 335.34 | 332.13 | 331.20 | 336.11 | 336.59 | 335.35 | 335.35 | 329.53 | 330.54 | 332.84 | 332.48 | 332.38 |
| 15 | 335.34 | 330.99 | 330.58 | 336.92 | 336.41 | 335.35 | 335.35 | 329.62 | 331.23 | 333.77 | 331.44 | 332.94 |
| 20 | 335.34 | 329.89 | 329.18 | 337.09 | 335.99 | 335.35 | 330.35 | 330.26 | 330.92 | 333.55 | 331.89 | 333.50 |
| 25 | 335.34 | 329.58 | 330.60 | 337.16 | 335.35 | 335.35 | 330.58 | 329.64 | 333.45 | 333.15 | 332.75 | 332.01 |
| EOM | 335.34 | 329.61 | 335.64 | 336.73 | 335.35 | 335.35 | 330.23 | 329.46 | 333.54 | 332.68 | 333.21 | 331.37 |

WTR YR 1984 MAX 328.98 NOV. 27-28, 1983 MIN 337.86 JAN. 22, 1984

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, 343.07 ft below land surface, Sept. 30, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 340.73 | 341.00 | 340.22 | 340.16 | 341.13 | 341.18 | 341.49 | 341.57 | 341.77 | 341.68 | 342.43 | 342.71 |
| 10 | 340.81 | 340.89 | 340.20 | 340.31 | 341.21 | 341.31 | 341.49 | 341.75 | 341.74 | 341.81 | 342.44 | 342.68 |
| 15 | 340.89 | 340.87 | 340.12 | 340.49 | 341.25 | 341.18 | 341.60 | 341.87 | 341.78 | 341.99 | 342.50 | 342.88 |
| 20 | 340.89 | 340.63 | 340.18 | 340.77 | 341.45 | 341.06 | 341.48 | 341.73 | 341.77 | 342.09 | 342.52 | 342.89 |
| 25 | 341.07 | 340.68 | 340.30 | 340.75 | 341.39 | 341.19 | 341.59 | 341.75 | 341.83 | 342.27 | 342.64 | 342.93 |
| EOM | 341.11 | 340.61 | 340.28 | 341.04 | 341.45 | 341.43 | 341.74 | 341.83 | 341.57 | 342.39 | 342.68 | 343.05 |

WTR YR 1984 MAX 339.87 DEC. 28, 1983 MIN 343.07 SEPT. 29, 1984

## WOODRUFF COUNTY

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, 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. 29, 1984, 21.67 ft below land surface.

QUALITY OF GROUND WATER

GARLAND COUNTY

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 343155093220401 | 02S22W28CBC1 | 367BLKL | SP |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1425 | 6 | 80513 | 80010 | 291 | 7.3 | 17.0 | .10 | 130 | 4 | 4 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1425 | 42 | 6.9 | 1.8 | 1.7 | 130 | 135 | 12 | 1.9 | .30 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1425 | 14 | 147 | 160 | 10 | <1 | 1 | 30 | <.0 | <20 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1425 | <1 | <1 | <3 | 1 | 4 | 6 | 10 | <1 | <.1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1425 | <10 | <1 | <1 | <1 | 86 | <6 | 60 | .7 | .40 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

HOT SPRING COUNTY

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342239093082801 | 04S20W21AAA1 | 330ARKS | 141 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 0810 | 6 | 80513 | 80010 | 241 | 7.5 | 19.5 | .20 | 83 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 0810 | 23 | 6.0 | 14 | 1.1 | 110 | 114 | 3.0 | 1.6 | .10 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 0810 | 24 | 136 | 140 | 10 | <1 | <1 | 23 | <.0 | 70 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 0810 | <1 | <1 | <3 | 19 | 53 | 1 | 18 | 8 | .1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 0810 | <10 | 1 | <1 | 2 | 350 | <6 | 81 | <.4 | .50 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342306093224401 | 04S22W17DCB1 | 330STNL | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 1150 | 6 | 80513 | 80010 | 475 | 7.4 | 18.0 | 1.7 | 170 | 16 |

| DATE | TIME | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 1150 | 16 | 48 | 11 | 23 | .60 | 150 | 152 | 9.1 | 47 |

| DATE | TIME | FLUORIDE, DISSOLVED (MG/L AS F) (00950) | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 1150 | .10 | 25 | 278 | 250 | <10 | <1 | <1 | 28 | <.0 |

| DATE | TIME | BORON, DISSOLVED (UG/L AS B) (01020) | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 1150 | <20 | <1 | <1 | <3 | 13 | 10 | 1 | 32 | 190 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10... | 1150 | <10 | 1 | <1 | 1 | 350 | <6 | 32 | <.4 | .60 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

MONTGOMERY COUNTY

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 343309093292101 | 02S23W20BCD1 | 367WMBL | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CaCO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1250 | 6 | 80513 | 80010 | 1080 | 7.1 | 16.5 | 37 | 570 | 170 | 171 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1250 | 170 | 35 | 3.9 | .70 | 400 | 383 | 210 | 6.4 | .20 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1250 | 9.7 | 767 | 690 | <100 | 1 | 2 | 36 | 1 | <20 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1250 | 2 | <1 | <3 | 2 | 4500 | 6 | 10 | 190 | <.1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1250 | <10 | 6 | <1 | <1 | 1300 | <6 | 8800 | .5 | 1.6 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

MONTGOMERY COUNTY--CONTINUED

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342358093370801 | 04S25W13AAD2 | 110ALVM | -- |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1700 | 6 | 80513 | 80010 | 152 | 6.6 | 19.0 | 1.8 | 59 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1700 | 21 | 1.5 | 2.8 | 2.2 | 64 | 65 | 3.2 | 2.9 | <.10 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1700 | 7.3 | 79 | 81 | 20 | 1 | <1 | 49 | <.0 | <20 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1700 | <1 | <1 | <3 | 1400 | 9 | 4 | <4 | <1 | <.1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1700 | <10 | 2 | <1 | <1 | 130 | <6 | 64 | <.4 | .70 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

POLK COUNTY

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342805093565201 | 03S28W24CBD1 | 361PKCK | SP |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1020 | 6 | 80513 | 80010 | 176 | 6.6 | 14.0 | .20 | 77 | 2 | 2 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1020 | 29 | 1.1 | 1.0 | .30 | 75 | 74 | 6.3 | 1.8 | .10 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1020 | 8.1 | 93 | 93 | 20 | <1 | <1 | 10 | <.0 | <20 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1020 | <1 | <1 | <3 | 1 | 110 | 5 | 6 | 29 | <.1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 1020 | <10 | 4 | <1 | <1 | 130 | <6 | 29 | <.4 | .60 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

POLK COUNTY--CONTINUED

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342906093580701 | 03S28W15DAA1 | 361PKCK | 30 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) |
|---|---|---|---|---|---|
| AUG 09... | 0915 | 6 | 80513 | 80020 | <.4 |

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 342659094071901 | 03S29W32BBA1 | 350MSRM | 160 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 0700 | 6 | 80513 | 80010 | 180 | 7.2 | 14.0 | .20 | 66 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 0700 | 21 | 3.2 | 7.8 | .60 | 71 | 72 | 9.2 | 3.5 | <.10 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 0700 | 21 | 106 | 110 | 30 | <1 | 1 | 10 | <.0 | 60 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 09... | 0700 | <1 | <1 | <3 | 1 | 20 | 5 | 14 | 110 | <.1 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

POLK COUNTY--CONTINUED

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 344109094223401 | 01S32W11ADC1 | 328JKFK | 410 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1245 | 6 | 80513 | 80010 | 278 | 7.3 | 15.5 | .50 | 96 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1245 | 24 | 8.6 | 16 | 1.2 | 110 | 112 | 18 | 6.3 | .10 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1245 | 31 | 170 | 170 | 50 | <1 | <1 | 260 | <.0 | 50 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1245 | <1 | <1 | <3 | 5 | 420 | 5 | 18 | 260 | <.1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1245 | <10 | 1 | <1 | <1 | 180 | <6 | 13 | <.4 | .50 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

QUALITY OF GROUND WATER

SCOTT COUNTY

| STATION NUMBER | LOCAL NUMBER | GEOLOGIC UNIT | DEPTH OF WELL (FEET) |
|---|---|---|---|
| 344605094251701 | 01N32W8ABC2 | 326ATOK | 100 |

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

| DATE | TIME | MEDIUM | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | PH (STANDARD UNITS) (00400) | TEMPERATURE (DEG C) (00010) | TURBIDITY (NTU) (00076) | HARDNESS (MG/L AS CACO3) (00900) | HARDNESS, NONCARBONATE (MG/L CACO3) (00902) | HARDNESS NONCARBONATE (MG/L AS CACO3) (95902) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1530 | 6 | 80513 | 80010 | 530 | 7.4 | 20.0 | .40 | 210 | 0 | 0 |

| DATE | TIME | CALCIUM DISSOLVED (MG/L AS CA) (00915) | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | ALKALINITY FIELD (MG/L AS CACO3) (00410) | ALKALINITY LAB (MG/L AS CACO3) (90410) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | FLUORIDE, DISSOLVED (MG/L AS F) (00950) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1530 | 43 | 24 | 33 | .60 | 210 | 209 | 50 | 12 | .20 |

| DATE | TIME | SILICA, DISSOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301) | ALUMINUM, DISSOLVED (UG/L AS AL) (01106) | ANTIMONY, DISSOLVED (UG/L AS SB) (01095) | ARSENIC DISSOLVED (UG/L AS AS) (01000) | BARIUM, DISSOLVED (UG/L AS BA) (01005) | BERYLLIUM, DISSOLVED (UG/L AS BE) (01010) | BORON, DISSOLVED (UG/L AS B) (01020) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1530 | 22 | 312 | 310 | 20 | <1 | <1 | 96 | <.0 | 130 |

| DATE | TIME | CADMIUM DISSOLVED (UG/L AS CD) (01025) | CHROMIUM, DISSOLVED (UG/L AS CR) (01030) | COBALT, DISSOLVED (UG/L AS CO) (01035) | COPPER, DISSOLVED (UG/L AS CU) (01040) | IRON, DISSOLVED (UG/L AS FE) (01046) | LEAD, DISSOLVED (UG/L AS PB) (01049) | LITHIUM DISSOLVED (UG/L AS LI) (01130) | MANGANESE, DISSOLVED (UG/L AS MN) (01056) | MERCURY DISSOLVED (UG/L AS HG) (71890) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1530 | <1 | <1 | <3 | 1 | 35 | 6 | 32 | 290 | .1 |

| 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) | URANIUM NATURAL DISSOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 08... | 1530 | <10 | 1 | <1 | <1 | 440 | <6 | 26 | <.4 | .70 |

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsyvlanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

Sp - Spring.

## CHEMICAL QUALITY OF PRECIPITATION

### 341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, AR

LOCATION.--Lat 34°10'45", long 93°05'54", in NW 1/4 NW 1/4, sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to May 1984.

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 precipiation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site 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, including collection efficiencies, are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Co. 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. Additional data for the 1984 water year will be published in "Water Resources Data for Arkansas, Water Year 1985."

CHEMICAL ANALYSES, JANUARY TO MAY 1984

| DATE | TIME | AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027) | AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028) | PRECIPITATION TOTAL INCHES/ WEEK (00046) | PH (STANDARD UNITS) (00400) | PH LAB (STANDARD UNITS) (00403) | SPECIFIC CONDUCTANCE (UMHOS) (00095) | CIFIC CONDUCTANCE LAB (UMHOS) (90095) | CALCIUM DISSOLVED (MG/L AS CA) (00915) |
|---|---|---|---|---|---|---|---|---|---|
| 1/03-1/10/84 | 0905-0910 | 1028 | 17003 | .85 | 4.6 | 4.7 | 13 | 12 | .02 |
| 1/10-1/17/84 | 0910-0900 | 1028 | 17003 | .00 | -- | -- | -- | -- | -- |
| 1/17-1/24/84 | 0900-0900 | 1028 | 17003 | .86 | 4.6 | 4.7 | 15 | 13 | .05 |
| 1/24-1/31/84 | 0900-0900 | 1028 | 17003 | .00 | -- | -- | -- | -- | -- |
| 2/01-2/07/84 | 0900-0900 | 1028 | 17003 | .13 | 4.2 | -- | 40 | -- | -- |
| 2/07-2/14/84 | 0900-0900 | 1028 | 17003 | 2.51 | 5.1 | 5.0 | 8 | 6 | .05 |
| 2/14-2/21/84 | 0900-0900 | 1028 | 17003 | .31 | -- | -- | -- | -- | -- |
| 3/01-3/06/84 | 1100-0900 | 1028 | 17003 | .95 | 4.7 | 4.8 | 15 | 13 | .27 |
| 3/06-3/13/84 | 0900-0900 | 1028 | 17003 | 1.46 | 4.4 | 4.4 | 24 | 21 | .16 |
| 3/13-3/20/84 | 0900-0900 | 1028 | 17003 | .73 | 4.6 | 4.7 | 23 | 21 | .57 |
| 3/20-3/27/84 | 0900-0915 | 1028 | 17003 | 1.40 | 4.7 | 4.9 | 17 | 14 | .43 |
| 3/27-3/31/84 | 0915-0900 | 1028 | 17003 | 2.44 | 4.8 | 4.9 | 13 | 12 | .32 |
| 4/03-4/10/84 | 0900-0090 | 1028 | 17003 | .71 | 4.5 | 4.7 | 27 | 20 | .62 |
| 4/10-4/17/84 | 0900-0090 | 1028 | 17003 | .04 | -- | -- | -- | -- | -- |
| 4/17-4/24/84 | 0900-1000 | 1028 | 17003 | .32 | 4.3 | 4.4 | 33 | 31 | .83 |
| 4/24-4/30/84 | 1000-0930 | 1028 | 17003 | .57 | -- | -- | -- | -- | -- |
| 5/01-5/08/84 | 0930-0930 | 1028 | 17003 | 8.11 | 5.2 | 5.4 | 14 | 14 | .56 |
| 5/08-5/15/84 | 0930-0920 | 1028 | 17003 | .00 | -- | -- | -- | -- | -- |
| 5/15-5/22/84 | 0920-0905 | 1028 | 17003 | .88 | 4.5 | 4.6 | 15 | 16 | .12 |
| 5/22-5/29/84 | 0905-0925 | 1028 | 17003 | 3.11 | E4.7 | E4.8 | E11 | E11 | E.09 |

| DATE | TIME | MAGNESIUM, DISSOLVED (MG/L AS MG) (00925) | POTASSIUM, DISSOLVED (MG/L AS K) (00935) | SODIUM, DISSOLVED (MG/L AS NA) (00930) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631) | CHLORIDE, DISSOLVED (MG/L AS CL) (00940) | SULFATE DISSOLVED (MG/L AS SO4) (00945) | PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671) |
|---|---|---|---|---|---|---|---|---|---|
| 1/03-1/10/84 | 0905-0910 | .01 | .01 | .09 | .070 | .18 | .15 | 1.0 | <.001 |
| 1/17-1/24-24 | 0900-0900 | .02 | .02 | .09 | .070 | .18 | .14 | 1.1 | <.001 |
| 2-07-2/14/84 | 0900-0900 | .01 | -- | .07 | <.020 | .11 | .11 | .6 | <.001 |
| 3/01-3/06/84 | 1100-0900 | .05 | .03 | .18 | .180 | .19 | .23 | 1.6 | <.001 |
| 3/06-3/13/84 | 0900-0900 | .03 | .02 | .07 | .260 | .34 | .09 | 2.0 | <.001 |
| 3/13-3/20/84 | 0900-0900 | .12 | .12 | .45 | .320 | .41 | .59 | 2.8 | <.001 |
| 3/20-3/27/84 | 0900-0915 | .05 | .05 | .20 | .250 | .31 | .24 | 1.7 | <.001 |
| 3/27-3/31/84 | 0915-0900 | .03 | .03 | .14 | .210 | .19 | .17 | 1.6 | <.001 |
| 4/03-4/10/84 | 0900-0900 | .06 | .08 | .20 | .420 | .34 | .33 | 2.8 | .004 |
| 4/17-4/24/84 | 0900-1000 | .12 | .08 | .28 | .460 | .64 | .40 | 4.1 | .003 |
| 5/01-5/08/84 | 0930-0930 | .07 | .10 | .32 | .570 | .35 | .49 | 2.1 | <.001 |
| 5/15-5/22/84 | 0920-0905 | .05 | .04 | .23 | .190 | .21 | .31 | 1.5 | <.001 |
| 5/22-5/29/84 | 0905-0925 | E.02 | E.02 | E.11 | E.160 | E.18 | E.16 | E1.1 | E.001 |

| | Page |
|---|---|
| Alum Fork Saline River near Reform | 585 |
| Antoine River at Antoine | 452 |
| Arkansas River at Dam No. 2, near Gillett | 349 |
| at Dam No. 9, near Oppelo | 311 |
| at Dam No. 13, near Van Buren | 276 |
| at Dardanelle | 290 |
| at David D. Terry Lock and Dam, below Little Rock | 337 |
| at Lock and Dam 4, near Pine Bluff | 342 |
| at Lock and Dam 5, near Wright | 340 |
| at Murray Dam, at Little Rock | 334 |
| at Ozark Dam, at Ozark | 283 |
| at Toad Suck Ferry Dam, near Conway | 316 |
| at Van Buren | 274 |
| Ballard Creek at Summers | 489 |
| Band Mill Creek near Brockwell | 488 |
| Baron Fork at Dutch Mills | 262 |
| Bayou Bartholomew near Ladd | 479,496 |
| near McGehee | 481 |
| Bayou De Loutre near El Dorado | 482,496 |
| Bayou DeView at Morton | 237 |
| near Gibson | 235,494 |
| Bayou Dorcheat near Taylor | 424 |
| Bayou Meto near Jacksonville | 346 |
| near Lonoke | 348 |
| near North Little Rock | 344 |
| Bear Creek near Horatio | 371 |
| west of Marshall | 140 |
| Beaver Lake at Highway 12 Bridge, near Rogers | 502 |
| at Highway 68, near Sonora | 497 |
| Beaver Lake at Monte NE | 501 |
| at Rogers Water Intake, near Lowell | 499 |
| at War Eagle | 498 |
| near Avoca | 505 |
| near Eureka Springs | 73 |
| on Prairie Creek, near Rogers | 504 |
| Big Creek at Goodwin | 489 |
| at Poplar Grove | 245 |
| Big Creek tributary near Boydsville | 489 |
| Big Piney Creek at Highway 64, near Dover | 286 |
| Big Piney Creek near Dover | 285 |
| near Pansy | 474 |
| Big Shoal Creek near Havana | 495 |
| Big Slough Ditch near Paragould | 34 |
| Black Fork at Black Fork | 552 |
| Black River at Black Rock | 192 |
| at Clearwater Dam, MO | 176 |
| at Elgin Ferry | 488 |
| at Pocahontas | 181,488 |
| below Annapolis, MO | 540 |
| near Corning | 178 |
| Blue Mountain Lake at Ashley Creek, near Waveland | 556 |
| Blue Mountain Lake at Sugar Grove | 555 |
| at the Narrows | 553 |
| near Sugar Grove | 555 |
| near Waveland | 298 |
| Board Camp Creek near Shady | 580 |
| Boat Gunwale Slash near Holly Grove | 243 |
| Bodcau Creek near Lewisville | 426,495 |
| Brogan Creek near Rover | 491 |
| Brush Creek near Mammoth Spring | 488 |
| Brushy Creek near Hartley | 566 |
| Buffalo River near St. Joe | 137 |
| Bull Shoals Lake above Pine Branch, at Indian Point | 528 |
| Bull Shoals Lake at Forsyth, MO | 515 |
| at Hwy 160, near Theodosia, MO | 517 |
| at Jimmie Creek, near Bull Shoals | 529 |
| below Big Music Creek, near Midway (Fish Pen) | 520 |
| below Big Music Creek, near Midway (Log Boom) | 522 |
| below Big Music Creek, near Midway (Mouth) | 525 |
| near Buck Creek | 519 |
| near Flippin | 118 |
| on Fox Creek, near MO-ARK State line | 516 |
| on Howard Creek, near Lakeview | 531 |
| Butler Creek near Sulphur Springs | 250,494 |
| Cache River at Egypt | 232 |
| at Patterson | 233 |
| Caddo River near Amity | 444,495 |
| Cadron Creek near Guy | 315 |
| Camp Bayou near Parkdale | 493 |
| Caney Creek tributary near El Dorado | 493 |
| Chickalah Creek at Chickalah | 309,495 |
| Choctaw Creek tributary near Choctaw | 488 |
| Clark Corner Cutoff near Colt | 51 |
| Clearwater Lake above Finley Branch, MO | 541 |
| at Carter Hollow, MO | 542 |
| at Clearwater Dam, MO | 170 |
| near Carter Spring, on Webb Creek | 543 |
| Cockle Burr Slough Ditch near Monette | 39 |
| Cooperation | 1 |
| Cornie Bayou near Three Creeks | 484 |
| Cossatot River below Gillham Dam, near Gillham | 387 |
| Cossatot River near DeQueen | 492 |
| near Umpire | 377 |
| near Vandervoort | 376,567 |
| Cove Creek near Lee Creek | 489 |
| Crooked Creek at Harrison | 131 |
| at Yellville | 135 |
| near Harrison | 133 |
| Crooked Creek tributary near Dogpatch | 487 |
| Cross County Ditch near Birdeye | 46 |
| Current River near Pocahontas | 179 |
| Cypress Branch near Jacksonville | 491 |
| Cypress Creek Canal No. 19 tributary near Dumas | 493 |
| Days Creek southeast of Texarkana | 420,495 |
| Definition of terms | 3 |
| DeQueen Lake at Bellah Creek near Kellum | 565 |
| at Robinson Creek near Gillham | 564 |
| DeQueen Lake near DeQueen | 360 |
| Dierks Lake at Camp Creek near Burg | 574 |
| Dierks Lake at Hose Creek near Lebanon | 575 |
| Dierks Lake near Dierks | 392 |
| Dill Branch tributary near Ida | 488 |
| Ditch No. 45 near Lepanto | 487 |
| Dodd Creek tributary near Mountain Home | 487 |
| Downstream order and station number | 10 |
| Dunn Creek near Hampton | 492 |
| Dutch Creek at Waltreak | 490 |
| at Shark | 306 |
| East Fork Point Remove Creek tributary near Saint Vincent | 490 |
| East Sugarloaf Creek tributary near Lead Hill | 487 |
| Eight Mile Ditch near Paragould | 36 |
| Eleven Point River near Pocahontas | 190 |
| near Ravenden Springs | 189 |
| Flint Creek at Springtown | 260 |
| near West Siloam Springs, OK | 261 |
| Fourche Creek at Red Gate | 491 |
| Fourche LaFave River near Aplin | 491 |
| near Gravelly | 318 |
| near Nimrod | 327,491 |
| tributary near Perryville | 491 |
| Frog Bayou at Rudy | 490 |
| Gaffords Creek near Bluffton | 558 |
| Gibbs Creek at Sulphur Rock | 488 |
| Gillham Lake above Coon Creek, near Dierks | 570 |
| at Duckett Ford near Umpire | 568 |
| (Opposum Creek Arm) near Duckett | 569 |
| Gillham Lake near Gillham | 379 |
| Glazypeau Creek at Mountain Valley | 492 |
| Grassy Flat Creek at Little Rock | 491 |
| Greers Ferry Lake above Hill Creek | 546 |
| at Brush Creek | 544 |
| at Higden | 549 |
| near Choctaw | 548 |
| near Clinton | 547 |
| near Eden Isle | 551 |
| near Heber Springs | 208 |
| Ground-water levels (by counties) | |
| Arkansas | 588 |
| Ashley | 589 |
| Benton | 589 |
| Calhoun | 590 |
| Chicot | 590 |
| Clay | 591 |
| Cleveland | 591 |

Page

Ground-water levels (by counties)--continued
Columbia..... 592
Craighead..... 592
Crittenden..... 595
Cross..... 597
Dallas..... 599
Desha..... 599
Drew..... 600
Fulton..... 600
Greene..... 601
Hempstead..... 602
Jackson..... 602
Jefferson..... 602
Lafayette..... 603
Lee..... 604
Little River..... 604
Lonoke..... 605
Miller..... 605
Mississippi..... 605
Monroe..... 606
Nevada..... 606
Ouachita..... 607
Phillips..... 607
Poinsett..... 608
Prairie..... 608
St. Francis..... 609
Sevier..... 609
Union..... 609
Woodruff..... 610
Ground-water records, Explanation of..... 16
Collection of data..... 16

Hanks Creek near Hamburg..... 493
Hicks Creek near Mountain Home..... 141
Holly Creek tributary near Benton..... 492
Hubble Creek near Pocahontas..... 488
Hurricane Creek near Fern..... 495
near Sardis.....471,495
near Sheridan..... 473
Hydrologic Conditions..... 1
Hydrologic-data station records..... 24

Illinois Bayou near Dover..... 288
near Scottsville..... 490
Illinois River at Savoy.....254,494
near Siloam Springs.....256,494
Introduction..... 1

James Fork near Hackett..... 270

Kings River near Berryville..... 93,487

Lake Taneycomo at Branson, MO..... 114
L'Aigle Creek at Hermitage..... 493
L'Anguille River at Marianna..... 64
at Palestine..... 62
near Colt..... 56
near Cherry Valley..... 54
Lee Creek near Van Buren..... 273
Lewis Creek tributary near Mena..... 492
Little Maumelle River at Ferndale..... 491
Little Missouri River at Albert..... 584
near Boughton..... 453
near Langley.....446,495
Little Piney Creek near Lamar..... 490
Little Red River above Searcy..... 224
below Searcy..... 226
near Heber Springs.....219,488
near Searcy..... 222
Little River at Millwood Dam, near Ashdown..... 411
Little River near Horatio..... 373
near Wilton..... 571
Little Sugar Creek at Caverna, MO..... 494
near Bentonville..... 248
Locust Creek Ditch near Paragould..... 35
Long Creek near Denver..... 95

Mammoth Spring at Mammoth Spring..... 183
May Branch at Fort Smith..... 489
Mazarn Creek at Mazarn..... 583
McCoy Creek near Dover..... 490
Measurements at miscellaneous sites..... 494
Middle Caney Creek tributary near Rosston..... 492

Page

Middle Fork Little Red River at Shirley..... 206
near Shirley..... 204
Mill Creek at Fort Smith..... 489
near Boles..... 557
near Hector..... 495
near Melbourne..... 161
Mill Slough tributary near Lockesburg..... 492
Millwood Lake at Yarborough Landing, near Ashdown..... 573
Millwood Lake at Highway 332 Bridge, near Schaal..... 576
Millwood Lake near Ashdown..... 405
near Saratoga..... 579
Millwood Lake on Mine Creek, near Okay..... 577
Minnow Creek tributary near Hagarville..... 490
Mississippi River at Memphis, TN..... 24
near Arkansas City..... 351
Moro Creek near Banks.....463,495
near Fordyce..... 492
Mountain Fork near Hatfield..... 358
Mulberry River at I-40, near Mulberry..... 281
Mulberry River near Mulberry..... 280
Murray Creek near Jonesboro..... 487

National Trends Network Site near Caddo Valley.. 611
Nevins Creek tributary near Pine Bluff..... 493
Nimrod Lake at Hwy 27 Bridge..... 559
at Plainview..... 560
near Carter Cove..... 563
near Nimrod..... 321
near Wards Crossing..... 561
on Prairie Creek..... 562
Norfork Lake at Henderson..... 536
near Hand..... 539
near Norfork..... 145
near Udall, MO..... 533
on Fall Creek..... 537
on Pigeon Creek, near Mountain Home..... 535
North Fork Creek near Mount Tabor..... 582
North Fork River at Norfork Dam, near Norfork... 155
at Tecumseh, MO..... 532
North Fork White Oak Creek tributary near Watalula..... 490
North Sylamore Creek near Fifty Six..... 163
Numbering system for wells and miscellaneous sites..... 10

Osage Creek near Elm Springs.....258,494
southwest of Berryville..... 89
west of Berryville..... 91
Ouachita River at Camden..... 455
at Carpenter Dam, near Hot Springs..... 435
below Camden..... 458
near Donaldson..... 440
near Malvern..... 437
near Mount Ida..... 430

Pack Saddle Creek tributary near Waldron..... 490
Partial-record crest-stage stations..... 487
Partial-record water-quality stations..... 497
Pepper Creek near DeQueen..... 491
Petit Jean River at Danville..... 308
near Booneville..... 295
near Waveland.....304,490
Pigeon Roost Creek at Butlerville..... 489
Piney Fork at Evening Shade..... 195
Pope Creek tributary at Birdeye..... 487
Poteau River at Cauthron..... 269
at Waldron.....265,495
northwest of Waldron..... 267
Prairie Creek at Murfreesboro..... 448
near Mena..... 428
near Murfreesboro..... 450
Prairie Creek tributary near Kirby..... 492
Prairie Cypress Creek near Crossroads..... 246
Precipitation-Quality Records, Explanation of... 17
Collection of Data..... 17
Publications..... 18

Quality of Precipitation..... 620
Quality of Ground Water..... 611

Red River at Index..... 355

| | Page |
|---|---|
| Red River near Foreman | 353 |
| near Spring Bank | 422 |
| Richland Creek at Goshen | 497 |
| Right Hand Chute of Little River at Rivervale | 40 |
| Rock Creek at Little Rock | 491 |
| Rolling Fork below DeQueen Lake near DeQueen | 368 |
| Rolling Fork near DeQueen | 491 |
| St. Francis Bay at Riverfront | 48 |
| St. Francis River at Fisk, MO | 26 |
| at Holly Island | 33 |
| at Lake City | 37 |
| at Madison | 52 |
| at Parkin | 42 |
| at St. Francis | 31 |
| near Glennonville, MO | 29 |
| near Piggott | 32 |
| near Powe, MO | 28 |
| St. Francis River Floodway near Marked Tree | 44 |
| Sager Creek near Siloam Springs | 495 |
| Saline River at Benton | 492 |
| below Dierks Dam, near Dierks | 401 |
| near Burg | 390 |
| near Dierks | 492 |
| near Fountain Hill | 477 |
| near Lockesburg | 404 |
| near Rye | 476 |
| near Shaw | 467 |
| near Sheridan | 469,493 |
| west of Benton | 465 |
| Second Creek near Palestine | 61,494 |
| Shirley Creek near Oden | 581 |
| Smackover Creek near Smackover | 460 |
| north of Smackover | 461 |
| South Fork Caddo River at Fancy Hill | 442 |
| South Fork Little Red River at Clinton | 207 |
| South Fork Spring River at Saddle | 184,494 |
| South Fork Ozan Creek near Ozan | 492 |
| South Fourche LaFave River at Hollis | 329 |
| near Hollis | 331 |
| Spadra Creek at Clarksville | 490 |
| Spavinaw Creek near Cherokee City | 252 |
| Special networks and programs | 11 |
| Spring River at Imboden | 188 |
| at Ravenden | 186 |
| near Thayer, MO | 494 |
| Stage and Water-Discharge Records, Explanation of | 11 |
| Accuracy of | 13 |
| Collection and Computation of | 11 |
| Other data available | 14 |
| Stone Dam Creek near Conway | 332 |
| Straight Slough near Birdeye | 47 |
| Strawberry River near Poughkeepsie | 196 |
| near Smithville | 197 |
| Sugar Creek near Booneville | 554 |
| Sugar Creek tributary near Walcott | 489 |
| Sulphur River south of Texarkana | 418 |
| Sunnymede Creek at Fort Smith | 489 |
| Table Rock Lake near Branson, MO | 97 |
| near Eagle Rock, MO | 507 |
| near Lampe, MO | 509 |
| (James River Arm) at Cape Fair, MO | 511 |
| (James River Arm) near Kimberling City, MO | 512 |
| (Kings River Arm) near Carr Lane, MO | 508 |
| (Long Creek Arm) near Ridgedale, MO | 513 |
| Tarleton Creek tributary at Ethel | 489 |
| Trace Creek tributary near Marshall | 488 |
| Varnell Creek near Rison | 493 |
| Walnut Creek northwest of Crystal Springs | 582 |
| War Eagle Creek near Hindsville | 487 |
| Water-quality records, Explanation of | 14 |
| Collection and examination of | 14 |
| Sediment | 15 |
| Water analysis | 14 |
| Water temperature | 15 |
| Wattensaw Bayou near Hazen | 228,494 |
| West Fork Point Remove Creek near Hattieville | 490 |
| West Fork White River east of Fayetteville | 66 |
| tributary near Greenland | 487 |
| White Oak Branch near Lonoke | 491 |
| White Oak Creek near Atkins | 313 |
| White River at Arkansas Post Canal, at Batesville | 166,488 |
| at Beaver Dam, near Eureka Springs | 86 |
| at Bull Shoals Dam, near Flippin | 129 |
| at Calico Rock | 158 |
| at Clarendon | 239 |
| at DeValls Bluff | 230 |
| at Georgetown | 489 |
| at Jacksonport | 199 |
| at Newport | 201 |
| at St. Charles | 241 |
| below Table Rock Dam, near Branson, MO | 111 |
| near Augusta | 488 |
| near Fayetteville | 68 |
| near Flippin | 487 |
| near Goshen | 69 |
| near Norfork | 143 |
| near Salado | 168 |
| Wilhelmina Cutoff near Campbell, MO | 30 |
| Willow Ditch near Egypt | 489 |